Managers Present: Wade Johnson, Kristin Tuenge, Tom Polasik, Andy Weaver, Eric Lindberg & Paul Richert

Others Present: Jim Shaver (Administrator), Susannah Torseth (Galowitz • Olson Law), Carl Almer (EOR), Mike Isensee (WCD), John Hanson (Barr Engineering), Wendy Greene (BHE Renewables), Neal Poteet (Argo Navis); John Goodfellow; Chuck Arnason (Pine Cone Trail); Larry Whitaker (Pine Cone Trail); Mary Whitaker (Pine Cone Trail); Anne Reich (Pine Cone Trail); Mary Vogel (Pine Cone Trail); Mike Blehert (Big Marine Lake Association); Jeff Dahlberg (Big Marine Lake Association) Dave Sullivan, Andy and Karen Kramer (Pine Cone Trail Association), Lon Pardun (City of Marine), Christina Morrison (Tiller Corp), Gregg Glenn (Big Carnelian Lake), and Kevin Murphy (Big Carnelian Lake)

President Johnson called the meeting to order at 6:35 p.m.

1) Approve Agenda as amended
   Manager Weaver moved to approve the agenda as amended. Seconded by Manager Polasik. Motion carried 6-0. President Johnson not present for vote.

2) Minutes from January 9, 2019
   President Johnson moved to approve the January, 2018 minutes as amended. Seconded by Manager Tuenge. Motion carried 6-0.

3) Treasurer’s Report
   Manager Tuenge presented the Treasurer’s Report.
   Manager Tuenge moved to accept the Treasurer’s Report. Seconded by Manager Polasik. Motion carried 6-0.

4) Public Comments: John Goodfellow informed the Managers that there is high interest in Marine in working with the District on the revitalization of the Mill Stream and on update of the District’s Water Resources Management Plan. President Johnson stated he would like to have a discussion/meeting with the interested citizens to discuss the interest and work on coordinating efforts.

5) Presentations and Agenda Items subject to Public Comments:
   a) Marine Stormwater Phase II/Ravine – 60% Plan Review
      • Administrator Shaver provided a brief historical synopsis of work that has been done on this Project to this point.
      • Administrator Shaver distributed an email from resident Larry Whitaker including questions and comments with responses from Engineer Almer to the Managers.
      • Engineer Almer reviewed 2 Project concepts originally contemplated by the Engineer and explained why the proposed Project is preferred.
• Mary Vogel (Resident):
  o 1) Commented that the proposed Project is predicated on a self-healing process and the Project will change the system. Questioned how the Engineer anticipates the self-healing to occur within the system after it is changed by the Project?
    ▪ Answer: Engineer Almer stated that the existing system is highly altered from previous drainage alterations that resulted in increased discharge to the drainageway. The previous drainage alteration resulted in the formation of the ravine. The proposed project will reduce drainage to the ravine, pipe and fill the worst erosion areas near the highway and include some grading in the lower portion of the ravine but also include erosion control blanket and seeding.
  o 2) Is a design for a 100-year event realistic or is a larger rain-event more realistic given the climate changes and increased-size rain events?
    ▪ Answer: This plan utilizes the current Atlas-14 precipitation depth which is an approximate 30% increase over the previous (TP-40) precipitation depth for the 100-yr, 24-hr event. He said the proposed project exceeds stormsewer design standards which are typically based on the 10-year, 24-hour event.

• Anne Reich (Resident):
  o 1) Questioned the function of a manhole to slow the velocity with regard to a major-rainfall.
    ▪ Response: Velocity increases with slope, but when it hits the manhole, it has to drop and loses all of its velocity. The speed picks up as it goes toward the second manhole, where it loses velocity again and drops in elevation. This is the intention for slowing down velocity.
  o 1a) Could the manhole become overwhelmed and what happens if it is overwhelmed?
    ▪ Response: Yes, it is possible. Water can “surcharge,” where it rises up the manhole. The design of the Project is intended to disallow surcharge.
  o 1b) What is the maintenance required for the manhole?
    ▪ Response: None anticipated. There isn’t a sump.
  o 2) Would like more information about what happens at the outflow of the Project and how that will be handled.
    ▪ Response: Riprap will be installed at the bottom so that if there is significant velocity when the water comes out of the pipe, the energy will be dissipated by the rocks at the bottom.
  o 3) Questioned the anticipated vegetation and what the plans are regarding the vegetation for the wetland at the bottom.
    ▪ Response: Administrator Shaver commented that the wetland experts that the District spoke with said the impact to the plants would be prohibitively expensive to try to manage or incorporate new vegetation or rehabilitate the wetland once the District’s Project is installed.
  o 4) Commented that cutting down trees seems contradictory to the idea of stabilizing the ravine and urged the District to consider removing as few trees as possible.
Response: Engineer Almer stated that as plans are advanced to final design, attempt will be made to minimize tree removal.

5) Questioned who is responsible for long-term maintenance of the project.
   - Response: Administrator Shaver commented that maintenance will be determined in an agreement between the City and the Watershed District.

Andrew Kramer (Resident):
   1) Requested clarification how the water will be piped/colllected at 95.
      - Response: There is a series of catch-basins on Hwy 95 that brings the water to the first manhole structure. There is also a driveway culvert from the Sullivan property. Runoff that exceeds the capacity of the Hwy 95 catch-basins will spill over the Hwy 95 shoulder at the existing low point and flow along a reinforced slope to another catch-basin with a grate that allows water to enter the pipe.

   2) Catch Basins – are they doing any filtration?
      - Response: Filtration is not in the design at this time as it is not within the Project budget or scope. Recommended MNDOT be approached about modifying the manholes.

   3) Asked about capturing chloride.
      - Response: Engineer Almer responded that there is not anything that can be done right now to capture chloride.

   4) Requested some examples of what kind of maintenance would be needed on the Project and what type of equipment might be needed.
      - Response: Administrator Shaver used the District’s Project at 197th Street and described some of the maintenance work that has occurred.
      - Manager Tuenge suggested that once the Project is installed that the residents be invited to a meet with the Managers at the Ravine for a review of how it is working and what areas might need maintenance in the near or far future.

Manager Lindberg: Asked if the water that goes to the drop pool also goes into the pipe?
   - Response: Water will travel down the reinforced slope to the drop pool and then to the pipe.

Big Marine Survey Request from Big Marine Lake Association
Mike Blehert and Jeff Dahlberg provided a presentation on the following:

i) Zebra Mussel and Starry Stonewart Survey Update:
   - CMSCWD provided $1400 toward survey of Big Marine Lake for Zebra Mussels and Starry Stonewart by Steve McComas.
   - Mike Weaver gave presentation on survey results. Described the difficulty of identifying Starry Stonewart.
   - Requesting District provide $1,400.00 for another survey by Steve McComas for this year.

Motion by Manager Polasik to provide $1,400.00 to Big Marine Lake for a survey of Zebra Mussels and Starry Stonewart. Second by President Johnson. Motion passed 6-0.
ii) Eurasian Water Milfoil update:
- June 2018: Surveyed the Lake with Steve McComas present. 7 locations adding up to 6.7 acres; no one area was larger than 1 acre.
- 7 locations were treated by PLM (company) with positive results, and small-spot treatments completed by Lake Association volunteers.
  - 2009: 9 acres
  - 2013-2014: 40 acres
  - September 2018: 6 acres
- Managers requested notice when the Lake Association members or PLM are treating the Lake.

c) Revisions to Tiller Permit 08-003
- Engineer Almer presented a proposed Revised Permit and discussed proposed changes with the Managers.
- Manager Weaver wants to make sure the District is continuing to be aware of its responsibilities and supervisory duties for District permits so that if there is any issue in the future, i.e. environmental issues. Engineer Almer commented that the terms of the proposed Permit revisions require the District to be noticed and have the opportunity to comment when the City or County renews their permits for Tiller, or if there is any issue. *The goal of the revisions is to remain more connected to annual operations and eliminate a seemingly arbitrary 5-year term, not to relieve the District of any oversight for the Permit or Project site.*
- President Johnson moved to approve revisions to District Permit P08-003 as presented in the Managers’ Packet. Seconded by Manager Tuenge. Motion carried 6-0.

d) Joint Panorama Road Project with May Township
- Engineer Almer reviewed proposed Project plan and proposed funding breakdown. Total estimated cost is $350,000 after factoring in approximately $40,000 in grant funding.
- Proposed cost breakdown at the February 7, 2019 May Township meeting is 1/3 of the cost by the District and 2/3 paid by May Township. The Township agreed to this initial proposed financial division of responsibility.
- Kevin Murphy (Resident) commented that when Parade Avenue was black-topped, the Township paid for a large amount of soil borings. He wanted the District to know this information in case they were able to access the soil boring information if it would be useful.
- The District does not currently have the funds to pay for its entire 1/3 of the cost, but it has $40,000.00 set aside for the Project. The District will be able to levy for the Project costs in future years.
- Manager Richert relayed that his understanding from attending the May Township meeting is that the Township will not do any roadwork until 2021. He asked if the District had any intention of doing work in the Project area before the Township does its roadwork.
  - Administrator Shaver commented that the Stormwater Basin needs to be installed, and that doesn’t need to wait until the Township does the road work. However,
the exact timing does not need to be determined right now and can be discussed at
a future meeting.

Manager Tuenge moved to direct the District’s Attorney to work with the May
Township Attorney and the District’s Administrator to develop an agreement to
define the parties’ responsibilities and rights to design and construct a joint road
and stormwater project on Panorama Avenue in May Township. Seconded by
President Johnson. Motion carried 6-0.

6) Project Updates

a) Marine Stormwater Phase I: None

b) Marine Stormwater Phase II (Ravine): See Discussion Notes in Section 5(a) above.
c) **Marine Stormwater Phase III**: Grant Agreement was executed by PCA.

d) **Marine Stormwater Phase IV**: President Johnson would like the Managers to consider submission of a 319 Grant for what would be named “Marine Stormwater Phase IV.” Grant would need to be submitted by February 26, 2019. Engineer Almer explained that this grant would allow the District to help with storm water management in conjunction with road reconstruction that will occur in the Village Center of Marine.

President Johnson moved to authorize Engineer Almer to draft and submit a 319 Grant for Marine Stormwater Phase IV. Seconded by Manager Weaver. Motion carried 6-0.

e) **Goose Lake Landing IESF (St. Sauver)**: None.

f) **Goose, Hay, and south Twin Implementation**: None

g) **Advanced Implementation (Six Lakes Subwatershed Assessment Grant – Clean Water Fund Grant)**: Manager Tuenge moved that the President be authorized to sign the Six Lakes Subwatershed Assessment Grant. Manager Polasik seconded the motion. Motion carried 6-0.

h) **133rd Street/Panorama**: See Discussion notes in Section 5(d) of these Minutes.

i) **Long/Terrapin AIS Treatment**: None

j) **Long/Terrapin AIS Filter**: None

k) **Lake Assessments**: None

l) **Bliss Addition Stormwater**: A MOU will be prepared with Scandia for the Bliss Addition.

7) **New Business**

a) **Permits**:

i) P17-013 Zavoral (Argo-Navis): See Discussion notes in Section 5(e) of these Minutes.

ii) Revisions to Tiller Permit 08-003: See Discussion notes in Section 5(c) of these Minutes.

iii) P19-002 Schonherr; P19-003 Jensen Conditional Approvals: President Johnson moved for conditional approval of permits P19-002 and P19-003 pending Engineer’s review and approval. Seconded by Manager Tuenge. Motion carried 6-0.

b) **Cost Share**: Kenney Reimbursement: Managers reviewed Memorandum in packet.
President Johnson moved to approve partial payment of $1,014.00 based on expenditures of $2,028.53 for the Kennedy Woodland Stream Buffer Restoration Project. Seconded by Manager Polasik. Motion carried 6-0.

c) Marine Stormwater Phase II/Ravine: See Discussion notes in Section 5(a) of these Minutes.

d) Big Marine Survey and Request from Big Marine Lake Association: See Discussion notes in Section 5(b) of these Minutes.

e) EMWREP Presentation: Tabled until next meeting.

f) 2019 Groundwater Budget Items: Tabled until next meeting.

g) WCD Technical Services Contract for 2019:
    President Johnson moved to approve the WCD 2019 Contract for $126,735.00.
    Seconded by Manager Tuenge. Motion carried 6-0.
    Manager Weaver requested that the Managers consider paying for Lake Assessments less often than every year, perhaps every other year.
    Administrator Shaver commented that a good time to discuss the amount of Lake Monitoring is when the Managers review the Plan, which they will start doing in 2019.

h) WCD AIS Ramp Inspection Agreement:
    Manager Polasik moved to approve the WCD 2019 AIS Ramp Inspection Agreement. Seconded by Manager Weaver. Motion carried 6-0.

i) WCD BMP Maintenance Agreement: Agreement was reviewed by Mr. Isensee.
    Manager Tuenge commented that she would like to see a short report itemizing the inspections and outcomes.
    President Johnson moved to approve the WCD 2019 BMP Maintenance Agreement.
    Seconded by Manager Lindberg. Motion carried 6-0.

j) Checking Account Signatories – Add/Delete:
    Manager Weaver moved to remove any and all former Managers of the CMSCWD as signatories at the District’s Bank, and to authorize all current Managers of the CMSCWD to be signatories on the District’s Bank account. Seconded by Manager Polasik. Motion carried 6-0.

k) BWSR 2019 AIG Grant Agreement: See Discussion Notes in Section 6(g) of these Minutes.

l) Joint Panorama Road Project with May Township: See Discussion Notes in Section 5(d) of these Minutes.

8) Old Business
a) Planning Updates
   i) LSCWP (One Watershed) Update: None

b) Administrator Transition Update:
   • President Johnson will send an announcement for job post for a new Administrator to the
     Managers in the near future. President Johnson reminded the Managers there was a
     carried motion from the last meeting allowing the job announcement to be posted after
     review by the District’s Attorney which is in effect.

9) Other Reports:
   • None

10) Bills to Be Paid
    President Johnson moved to pay the bills in the amount of $40,648.95. Seconded by
    Manager Polasik. Motion carried 6-0.

11) Adjourn
    President Johnson moved to adjourn at 9:20 p.m. Seconded by President Weaver.
    Motion carried 6-0.

12) Reconvene
    Manager Tuenge moved to re-open the CMSCWD Regular Meeting. Seconded by
    Manager Polasik at 9:20 p.m.

13) Next Meetings
    Motion by Manager Tuenge to move Regular Board Meeting from March 13, 2019 to
    March 20, 2019 at 6:30 p.m. at the Scandia Heritage Room. Seconded by Manager
    Weaver. Carried 6-0.

14) Adjourn
    President Johnson moved to adjourn at 9:22 p.m. Seconded by Manager Weaver.
    Motion carried 6-0.

Submitted by: Administrator Jim Shaver