The Board of Managers of the Coon Creek Watershed District held their regular meeting on February 25, 2019 at the Bunker Hills Activities Center.

1. Call to Order: The meeting was called to order at 5:31 PM
Staff: Matt Danzl, Dawn Doering, Corinne Elfelt, Jon Janke, Tim Kelly, Michelle Ulrich
Others: Rachel Workin, City of Fridley

2. Approval of the Agenda: Wilder moved to move Items # 12-Brio Drive-Thru Modification Permit Review, 14 – Lions Coon Creek Park Improvements Permit Review, and National Sport Center Parking Lot – Phase 1 Permit Review to the Consent Agenda. Seconded by Herbst. Motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays

Wilder moved that Item #20 – Spring Flooding Outlook be added to the Agenda. Seconded by Hoffman. Motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays

Wilder moved to approve the Amended Agenda. Seconded by McCullough. Motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

3. Announcements: None

4. Open Mike: No one present for Open Mike.

CONSENT ITEMS
5. Approval of Minutes of February 11, 2019

12. Brio Drive-Thru Modification Permit Review: The purpose of this project is the installation of a 35,000 square foot drive thru access and parking lot configuration (no additional buildings included) located at the NE corner of Hanson Blvd NW and Crosstown Blvd NW in Andover, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (1.4 ac * $500/ac =</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>$2,700.00</td>
<td></td>
</tr>
<tr>
<td>Wildlife: Required changes to Operations and Maintenance Agreement have not been made.</td>
<td>2. Provide O&amp;M agreement that meets District requirements for the infiltration basin, grass swale and</td>
</tr>
</tbody>
</table>
Staff recommendation was to Approve with 2 Stipulations as follows:

1. Receipt of escrows, $2,700.00.
2. Provide O&M agreement that meets District requirements for the infiltration basin, grass swale and sump.

14. Lions Coon Creek Park Improvements Permit Review: The purpose of this project is improvement in Lions Park and the 119th Avenue NW culvert replacement located at Hanson Blvd and 119th Ave NW and north of Coon Creek in Coon Rapids, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (6.09 ac * $500/ac) = $5,045.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics:</td>
<td>2. Provide survey data for bridge cross section before and after construction to ensure the as-built cross section matches the existing cross section.</td>
</tr>
<tr>
<td>Proposed bridge improvements are within the floodway, proposed cross section must match existing cross section.</td>
<td></td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 2 Stipulations as follows:

1. Receipt of escrows, $5,045.00.
2. Provide survey data for bridge cross section before and after construction to ensure the as-built cross section matches the existing cross section.

15. National Sport Center Parking Lot – Phase 1 Permit Review: The purpose of this project is parking lot improvements (Phase 1), grading and paving gravel access road located east of Davenport St NE between 105th Avenue NE and 109th Avenue NE in Blaine, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (2.20 ac * $500/ac) = $3,100.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control:</td>
<td>2. Update construction plans:</td>
</tr>
<tr>
<td>Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.</td>
<td>a. to stabilize vegetation within 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>Perimeter control is not provided between Ditch 41 and construction entrance.</td>
<td>b. Provide perimeter control at construction entrance to prevent runoff into County Ditch 41.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 2 Stipulations as follows:
1. Receipt of escrows, $3,100.00.
2. Update construction plans:
   a. to stabilize vegetation within 7 days of rough grading or inactivity.
   b. Provide perimeter control at construction entrance to prevent runoff into County Ditch 41.

Wilder moved to approve the Consent Agenda Items. Seconded by Hoffman. Motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

POLICY ITEMS
6. Water Education Grant 19-02 Fridley exhibit rental – Mississippi River Watershed: Doering presented the staff report regarding the Water Education grant application and award grant of $500 towards rental of interactive Mississippi River watershed exhibit at Springbrook Nature Center for the month of May.

The Boards asked the applicant if entrance to the park and the exhibit will be free to the public. Ms. Workin indicated that it is free and that there are 12 school groups already scheduled to view the exhibit beginning May 4.

Staff recommendation was to Approve the Water Education grant application for funding of $500 Water Education grant to fund the rental of the Hamline University Mississippi River multimedia exhibit.

Hoffman moved to Approve the grant application for $500. Seconded by Herbst. Motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

7. Joint Powers Agreement with City of Blaine for Pleasure Creek Iron Enhanced Sand Filter Project: Janke presented the staff report highlighting that Pleasure Creek was added to Minnesota’s 303(d) list of impaired waters for aquatic life impairments in 2006 due to macroinvertebrate bioassessments and for aquatic recreation impairments in 2014 due to elevated levels of Escherichia coli (E. coli). In 2018, the District was awarded a Clean Water Fund grant administered by the Minnesota Board of Water and Soil Resources in the amount of $95,986.50 Watershed Based Funding for the Pleasure Creek Iron Enhanced Sand filter project.

Janke also noted that this project will directly reduce the TP & E. coli loading attributable to regulated urban stormwater runoff and thus make progress towards achieving TMDL Wasteload. BWSR requested that the District enter into a formal agreement with the City of Blaine to ensure the successful implementation of the Pleasure Creek IESF Project.

Motion to Execute Joint Powers Agreement with the City of Blaine for the Pleasure Creek Iron Enhanced Sand Filter Project made by Wilder, seconded by Hoffman. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

8. Joint Powers Agreement with City of Coon Rapids for Middle Sand Creek Corridor Restoration Project: Janke noted Sand Creek was listed on Minnesota’s
303(d) list of impaired waters for aquatic life impairments in 2006. Excess total suspended sediment, excess phosphorus, altered habitat, and altered hydrology were identified as the primary stressors to macroinvertebrate and fish health in Sand Creek.

In 2018, the District was awarded a grant from the United States Environmental Protection Agency in the amount of $291,000, said Janke, and a grant from the Minnesota Board of Water and Soil Resources (BWSR) in the amount of $382,772 for implementation of the Middle Sand Creek Corridor Restoration (MSCCR) Project. Janke’s staff report indicated the purpose of this project is to reduce sediment and pollutant loading, provide long-term channel stability, and to improve aquatic and riparian habitat along a 2/3-mile reach of Sand Creek between the BNSF Railroad and Magnolia Street pedestrian bridge in Coon Rapids, MN. The Project area is owned by the City of Coon Rapids.

Janke noted, in accordance with BWSR Clean Water Fund grant policies, BWSR requested that the District enter into a formal agreement with the City of Coon Rapids to ensure the successful implementation of the MSCCR Project.

Motion to Execute Joint Powers Agreement with the City of Coon Rapids for the Middle Sand Creek Corridor Restoration Project made by Hoffman, seconded by Herbst. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

9. Joint Powers Agreement with City of Coon Rapids for Pleasure Creek Iron Enhanced Sand Filter Project: Janke presented the staff report highlighting Woodcrest Creek being a direct tributary to Coon Creek. Coon Creek was added to Minnesota’s 303(d) list of impaired waters for aquatic life impairments in 2006 due to macroinvertebrate bioassessments and for aquatic recreation impairments in 2014 due to elevated levels of Escherichia coli (E. coli). Excess total phosphorus (TP), total suspended solids (TSS), habitat alterations, and altered hydrology were identified as the primary stressors to Coon Creek’s biota.

Janke informed the Board that in 2018, the District was awarded two Clean Water Fund grants administered by the Minnesota Board of Water and Soil Resources in the amount of $95,986.50 Watershed Based Funding and $376,093 Projects and Practices for the Woodcrest Creek Iron Enhanced Sand filter project.

As outlined in the staff report, this project will directly reduce the TP & E. coli loading attributable to regulated urban stormwater runoff and thus make progress towards achieving TMDL Wasteload Allocations for Coon Creek.

Janke noted, in accordance with BWSR Clean Water Fund grant policies, BWSR requested that the District enter into a formal agreement with the City of Coon Rapids to ensure the successful implementation of the Woodcrest Creek IESF Project.

Motion to Execute Joint Powers Agreement with the City of Coon Rapids for the Woodcrest Creek Iron Enhanced Sand Filter Project made by Herbst, seconded by
Hoffman. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

PERMIT ITEMS

10. Anoka County Headstart Pavement Rehab Permit Review: The purpose of this project is the rehabilitation of the existing parking lot and improve drainage at 9574 Foley Blvd in Coon Rapids, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (0.16 ac * $500/ac) = $2,080</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: Construction plan proposed the use of riprap at the inlet of the infiltration basin. However, no detail was provided. Three (3) foot separation between the seasonally high-water table and the bottom of the infiltration basin is unknown.</td>
<td>2. Provide detail of riprap, including size and quantity. 3. Provide a deeper soil boring in basin to confirm 3-foot separation requirements or raise the bottom of the basin while still providing adequate infiltration areas/volume.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Erosion Control Plan does not meet District requirements.</td>
<td>4. Update construction plans with the following: a. Stabilize vegetation within 7 days of rough grading or inactivity. b. Provide rock construction entrance on plans. c. Provide inlet protection until final stabilization is achieved on pretreatment device.</td>
</tr>
<tr>
<td>Water Quality: All discharges into the infiltration basin are not pretreated. Bituminous surface is likely to transport additional TSS and causing clogging of the infiltration basin.</td>
<td>5. Provide pretreatment device to allow additional settling of the TSS.</td>
</tr>
<tr>
<td>Maintenance: It is unknown who will be responsible for the inspection and maintenance of stormwater facilities. A maintenance agreement has not been executed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice.</td>
<td>6. Provide an O&amp;M Agreement that meets District requirements.</td>
</tr>
</tbody>
</table>
Staff recommendation was to Table with 6 Stipulations as follows:
1. Receipt of escrows, $2,080.00.
2. Provide detail of riprap, including size and quantity.
3. Provide a deeper soil boring in basin to confirm 3-foot separation requirements or raise the bottom of the basin while still providing adequate infiltration area/volume.
4. Update construction plans with the following:
   a. Stabilize vegetation within 7 days of rough grading or inactivity.
   b. Provide rock construction entrance on plans.
   c. Provide inlet protection until final stabilization is achieved on pretreatment device.
5. Provide pretreatment device to allow additional settling of the TSS.
6. Provide an O&M Agreement that meets District requirements.

Motion to Table with 6 Stipulations was moved by Hoffman and seconded by Herbst. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

11. Blaine Retail Permit Review: The purpose of this project is the construction of a 10,000 square foot building on 1.8 acre lot located in the SW quadrant of 117th Avenue NE and Central Avenue in Blaine, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (.6 ac * $500/ac) = $2,300.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Soil stockpiles have not been proposed to be stabilized if unworked for 7 days.</td>
<td>2. Update Erosion Control Plan (Note 16.) to initiate stabilization of soil stockpiles if unworked for 7 days.</td>
</tr>
<tr>
<td>Water Quality: Due to proximity of proposed storm sewer to loading dock, sediment capture is needed at proposed storm sewer.</td>
<td>3. Provide calculations (SHASM can be used) and quantitative analysis to indicate proposed sump is appropriately sized to meet district removal rates of 80% TSS. A minimum sump depth of 4 feet is required to prevent resuspension. Show sump location and elevation on Utility Plan or provide as a Civil Detail.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 3 Stipulations as follows:
1. Receipt of escrows.
2. Update Erosion Control Plan (Note 16.) to initiate stabilization of soil stockpiles if unworked for 7 days.
3. Provide calculations (SHASM can be used) and quantitative analysis to indicate proposed sump is appropriately sized to meet district removal rates of 80% TSS. A minimum sump depth of 4 feet is required to prevent resuspension. Show sump location and elevation on Utility Plan or provide as a Civil Detail.

Motion to Approve with 3 Stipulations was moved by Herbst and seconded by Hoffman. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

12. Brio Drive-Thru Modification Permit Review – Moved to Consent Agenda

13. Bunker Beach Parking and Trail Reconstruction Permit Review: The purpose of this project is trail and parking lot additions and replacement of 5,444 square feet of new impervious trail on a 152,217 square foot lot and 5,333 square feet of new impervious parking lot on 256,478 square foot lot located in Bunker Hills Regional Park in Coon Rapids, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Escrows:</strong> $2,000 + (4.19 ac * $500/ac = $4,095.00</td>
<td>1 Receipt of escrows.</td>
</tr>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> The parking lot reclamation project reaches subsurface soils and is considered redevelopment of an untreated area. The District estimates 147,640 sq. ft. must be treated. Approximately 0.282 acre/feet of stormwater runoff is required to be treated. Note that sufficient infiltration capacity is available for this volume. The applicant is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. A post construction test on the infiltration basin will be required to verify the assumed infiltration rates are obtained. Unclear if pretreatment sedimentation basins are of sufficient size to prevent resuspension and remove sediment. Elevation of inlet to infiltration area PS1 is not clear.</td>
<td></td>
</tr>
<tr>
<td>2. No action required to address water quality volume, sufficient infiltration capacity is available.</td>
<td></td>
</tr>
<tr>
<td>3. The applicant must provide a note on the construction plans that a post construction test on the infiltration basin will be conducted by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.</td>
<td></td>
</tr>
<tr>
<td>4. Provide calculations supporting sizing in compliance with MN Stormwater Manual or size sedimentation basins for 0.5” inch storm.</td>
<td></td>
</tr>
<tr>
<td>5. Provide note for curb cut at inlet of infiltration area PS1, at location of Flexamat.</td>
<td></td>
</tr>
</tbody>
</table>
**Soils & Erosion Control:** District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.

Sediment runoff protection is required at the rain garden and infiltration area curb cuts during construction.

The locations of rain garden and infiltration areas required to be protected during construction are not clear.

<table>
<thead>
<tr>
<th>6. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Provide biorolls or equivalent protection at the rain garden and infiltration area curb cuts during construction.</td>
</tr>
<tr>
<td>8. For clarity identify locations of rain garden and infiltration areas on grading plan.</td>
</tr>
</tbody>
</table>

**Maintenance:** It is unknown who will be responsible for the inspection and maintenance of stormwater facilities. A maintenance agreement has not been executed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice.

| 9. Provide an O&M Agreement that meets District requirements. |

Staff recommendation was to Table with 9 Stipulations as follows:

1. Receipt of escrows, $4,095.00.
2. No action required to address water quality volume, sufficient infiltration capacity is available.
3. The applicant must provide a note on the construction plans that a post construction test on the infiltration basin will be conducted by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.
4. Provide calculations supporting sizing in compliance with MN Stormwater Manual or size sedimentation basins for 0.5” inch storm.
5. Provide note for curb cut at inlet of infiltration area PS1, at location of Flexamat.
6. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.
7. Provide biorolls or equivalent protection at the rain garden and infiltration area curb cuts during construction.
8. For clarity identify locations of rain garden and infiltration areas on grading plan.
9. Provide an O&M Agreement that meets District requirements

Motion to Table with 9 Stipulations was moved by Herbst and seconded by Hoffman. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

14. **Lions Coon Creek Park Improvement Permit Review – Moved to Consent Agenda**

16. University Avenue Reconstruction Permit Review: The purpose of this project is curb and gutter and mill and overlay of University Avenue from Andover Blvd to 157th Avenue in Andover, Minnesota.

The staff report provided to the Board identified the following issues and concerns:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (7.5 ac * $500/ac) = $5,750</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>2. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>Water Quality: All discharges into wetlands/water quality basins are/are not pretreated by a sediment sump manhole. These sump manholes are not designed correctly for water quality treatment prior to discharge into a wetland or receiving water.</td>
<td>3. Provide calculations (SHSAM can be used to indicate sumps are appropriately sized to meet district removal rates of 80% TSS. A minimum of 4-foot depth is required to prevent resuspension.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 3 Stipulations as follows:

1. Receipt of escrows, $5,750.00.
2. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.
3. Provide calculations (SHSAM can be used to indicate sumps are appropriately sized to meet district removal rates of 80% TSS. A minimum of 4-foot depth is required to prevent resuspension.

Motion to Approve with 3 Stipulations was moved by Hoffman and seconded by Herbst. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

DISCUSSION ITEMS
17. Update on MAWD Legislative Meeting: Wilder updated the Board on the meeting. He noted that due to bad weather, many were not able to attend. The items, as included in the last Board Packet, were reviewed.

18. Potential Review and Award of Work on Office Remodeling: Kelly reviewed the staff report that was posted earlier in the afternoon, and a copy provided at the dais for each Board Member. Kelly noted that the design and construction oversight team had
obtained multiple construction bids for the various areas of the project. Their recommendation was outlined in the “Preferred” column of the recommendation table. Although not the lowest bids, Kelly reported, the contractors were chosen because of availability, quality of work, reliability and timeliness of work and quote was deemed too low and therefore not responsible.

Staff recommendation was to award construction work through approval of the preferred scenario of $174,284.67.

Hoffman asked how the contractors will be checked on for competency. Kelly noted we will be relying on PureAlchemy to make those selections, based on their previous experience with the contracts. Herbst asked about the timeline to completion, Kelly responded that the work should be completed by May 31.

Herbst and Wilder asked Elfelt about staff’s opinion of the project. Elfelt noted staff is excited about the project. Elfelt stated PureAlchemy and VSI Construction have been good to work with and expressed confidence in the success of the project.

Hoffman moved to Award of Work on Office Modeling as outlined in the Preferred scenario for $174,284.67. Seconded by McCullough. The motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

INFORMATIONAL ITEMS

19. U.S. Supreme Court Will Wade into Clean Water Dispute: A case over a Hawaii wastewater treatment plant could redefine the scope of the federal law that regulates pollution in lakes, rivers, streams and oceans.

20. Spring Flooding Forecast: Kelly informed the Board that due to increase of snow cover and the depth of frost, the spring flood outlook has been upgraded to high-moderate probability.

ADJOURN
The meeting adjourned at 6:15 PM on a motion by Wilder, seconded by Hoffman. Motion carried with four yeas (Herbst, Hoffman, McCullough and Wilder) and no nays.

_____________________________
Anthony Wilder, President