The Board of Managers of the Coon Creek Watershed District held their regular meeting on February 10, 2020 at the Coon Creek Watershed District Office.

1. **Call to Order**: The meeting was called to order at 5:30 PM
Staff: Dawn Doering, Erin Edison, Tim Kelly, Michelle Ulrich
Others: Deric Deuschle – SEH Inc.

2. **Approval of the Agenda**: Wilder moved to Approve the Agenda. Seconded by Hoffman. Motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

3. **Announcements**: Kelly announced the a BWSR grant of $395,000 has been awarded to CCWD for the Coon Creek Park Stream Restoration. Kelly also informed the Board that cake and coffee will be served after in the meeting in celebration of Tim’s 30th anniversary with CCWD on Feb 1.

4. **Open Mic**: No one present for Open Mic.

**CONSENT ITEMS**
5. **Approval of Minutes for January 27, 2020**
6. **Receive Staff Report**
7. **Approve Bills**

Wilder moved to Approve the Consent Items. Seconded by Herbst. Motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

**PERMIT ITEMS**
8. **NNG-Elk-Lex Verification Dig 2557**: The purpose of this project is to access and complete pipeline maintenance activities to address identified anomalies along existing pipeline.

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 + (0.01 ac * $500/ac = $2,005.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td><strong>Soils &amp; Erosion Control</strong>: District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity. FERC Plan and Procedures section V.D.3.d. specifies to seed all</td>
<td>2. Update Project Map/Erosion and Sediment Control Plan to include the following:</td>
</tr>
</tbody>
</table>
disturbed soils within 6 working days of final grade. FERC Plan and Procedures section IV.B.6. specifies to stabilize topsoil piles but does not specify a timeframe.

Construction activity is proposed within a wetland. Project Map currently shows a single row of perimeter control around the temporary workspace.

Dewatering may be required as part of the project.

**Wetlands:** Wetlands will be impacted. The wetland is Public Water Basin #02052900. The jurisdictional boundary is unknown.

Proposed wetland impacts are conflicting. Joint application Part 4 and Appendix A figure of Supplemental Information do not match.

Wetland restoration is not described.

**Wildlife:** The proposed project may include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

a. Disturbed soils are to be stabilized within seven (7) days of rough grading or inactivity.
b. Soil stockpiles are to be stabilized within seven (7) days of rough grading or inactivity.
d. Show double row perimeter control around temporary workspace.

3. Provide Water Appropriation Permit from the Minnesota Department of Natural Resources.

4. Provide:
   a. A level 1 offsite wetland delineation.
   b. DNR Public Waters Work Permit.

5. Clarify the extent of wetland impacts.

6. Provide wetland seed mix to be used for restoration.

7. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

The staff recommendation is to Table with 7 Conditions and 1 Stipulation

**Conditions:**

1. Receipt of escrows.
2. Update Project Map/Erosion and Sediment Control Plan to include the following notes:
   a. Disturbed soils are to be stabilized within seven (7) days of rough grading or inactivity.
   b. Soil stockpiles are to be stabilized within seven (7) days of rough grading or inactivity.
   c. Show double row perimeter control around temporary workspace.
3. Provide Water Appropriation Permit from the Minnesota Department of Natural Resources.
4. Provide:
   a. A level 1 offsite wetland delineation.
   b. DNR Public Waters Work Permit.
5. Clarify the extent of wetland impacts.
6. Provide wetland seed mix to be used for restoration.
7. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors

**Stipulation:**

1. Provide site photos pre and post construction to verify contours are restored to pre-existing conditions.

Motion to Table with 7 Conditions and 1 Stipulation was moved by Wilder and seconded by Hoffman. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

9. River Trail Learning Center: The purpose of this project is for Building Additions and associated infrastructure located at 1700 Coon Rapids Blvd NW, Coon Rapids MN 55433.

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

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (3.5 ac * $500/ac = $3,750.00)</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Local Planning &amp; Zoning:</td>
<td>2. Provide updated plans to the city and provide comments from the city.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics:</td>
<td>3. Provide infiltration practice for drainage area P2 such that volume reduction requirements are met for the site. If applicants cannot meet the volume management requirement due to site constraints in its entirety, they must meet it to the greatest extent and explain why it cannot be met.</td>
</tr>
<tr>
<td>Filtration basin detail calls for a minimum of 18” filter media depth. Filtration basin 3P has the 6” drain tile invert at 858.5 and the bottom of the basin is at 861 which provides 12” filter media depth over the drain tile.</td>
<td></td>
</tr>
<tr>
<td>Proposed HydroCAD model inconsistent with Construction Plans. Proposed HydroCAD model is being modeled with a Type II 24-hour rainfall distribution.</td>
<td></td>
</tr>
<tr>
<td>It appears no energy dissipation is proposed for the infiltration or filtration basins.</td>
<td></td>
</tr>
<tr>
<td>4. Lower the drain tile in filtration basin 3P to provide 18” filter media depth over top of drain tile.</td>
<td></td>
</tr>
<tr>
<td>5. Revise Proposed HydroCAD model:</td>
<td></td>
</tr>
<tr>
<td>a. Update rainfall distribution for proposed HydroCAD model from Type II 24-hour to MSE3 24-hour.</td>
<td></td>
</tr>
<tr>
<td>b. Update invert elevations of 6” round outlet pipe and 6” drain tile for Filtration Basin 2P to be consistent with plans.</td>
<td></td>
</tr>
<tr>
<td>6. Provide energy dissipation to prevent scour for flows entering infiltration and filtration basins.</td>
<td></td>
</tr>
<tr>
<td><strong>Water Quality:</strong> It appears that no pretreatment devices are proposed for the infiltration or filtration practices.</td>
<td></td>
</tr>
<tr>
<td>7. Provide pretreatment for infiltration and filtration practices. If sump manholes are proposed, provide calculations (SHSAM can be used) to indicate sumps are appropriately sized to meet district removal rates of 80% TSS for OK110 particle size. A minimum of 4-foot depth is required to prevent resuspension.</td>
<td></td>
</tr>
<tr>
<td><strong>Maintenance:</strong> 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></td>
</tr>
<tr>
<td>8. Provide an O&amp;M Agreement that meets District requirements.</td>
<td></td>
</tr>
<tr>
<td><strong>Wetlands:</strong> Impacts are unknown. Delineation was received outside of the growing season and cannot be reviewed until spring growing season commences. See wetland page on website.</td>
<td></td>
</tr>
<tr>
<td>It appears the wetland boundary elevation is not consistent with the delineation report figure.</td>
<td></td>
</tr>
<tr>
<td>9. Approval from LGU of wetland boundary will not occur until spring growing season. Acknowledge rip rap installation will not occur until boundary has been verified.</td>
<td></td>
</tr>
<tr>
<td>10. Update the wetland boundary once delineation has been approved.</td>
<td></td>
</tr>
</tbody>
</table>
Wetland buffer is impacted with riprap.
Wetland buffer requirement is 25ft.

11. Provide detail of vegetated riprap.

Staff recommendation was to Table with 11 Conditions and 2 Stipulations:

**Conditions:**
1. Receipt of escrows.
2. Provide updated plans to the city and provide comments from the city.
3. Provide infiltration practice for drainage area P2 such that volume reduction requirements are met for the site. If applicants cannot meet the volume management requirement due to site constraints in its entirety, they must meet it to the greatest extent and explain why it cannot be met.
4. Lower the drain tile in filtration basin 3P to provide 18” filter media depth over top of drain tile.
5. Revise Proposed HydroCAD model:
   a. Update rainfall distribution for proposed HydroCAD model from Type II 24-hour to MSE3 24-hour.
   b. Update invert elevations of 6” round outlet pipe and 6” drain tile for Filtration Basin 2P to be consistent with plans.
6. Provide energy dissipation to prevent scour for flows entering infiltration and filtration basins.
7. Provide pretreatment for infiltration and filtration practices. If sump manholes are proposed, provide calculations (SHSAM can be used) to indicate sumps are appropriately sized to meet district removal rates of 80% TSS for OK110 particle size. A minimum of 4-foot depth is required to prevent resuspension.
8. Provide an O&M Agreement that meets District requirements or confirmation that the BMP maintenance will be performed under the school district MS4 permit.
9. Approval from LGU of wetland boundary will not occur until spring growing season. Acknowledge rip rap installation will not occur until boundary has been verified.
10. Update the wetland boundary once delineation has been approved.
11. Provide detail of vegetated riprap.

**Stipulations:**
1. Submittal of as-builts for stormwater features; including but not limited to invert elevations, sump depth, and basin volumes.
2. Completion of post construction infiltration/filtration tests on Infiltration Basin 1P, Filtration Basin 2P, and Filtration Basin 3P by filling the basins to a minimum depth of 6 inches with water and monitoring the time necessary to drain, or a double ring infiltration test to ASTM standards. The Coon Creek Watershed District shall be notified prior to the test to witness the results.

Motion to Table with 11 Conditions and 2 Stipulations was moved by Hoffman and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.
**10. Dollar General:** The purpose of this project is to construct a 9100 square foot building on a 2.38 acre lot located at 16248 Central Ave NE, Ham Lake MN.

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 + (1.339 ac * $500/ac = $2,695.00)</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td><strong>Groundwater:</strong> Geotechnical Report does not provide soil borings at site datum. The infiltration basin may not have required 3-foot separation from seasonally high groundwater.</td>
<td>2. Provide ground and groundwater elevations for soil borings relative to a datum.</td>
</tr>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> The stormwater calculations assume an infiltration rate of 1.5 inches per hour and the soil types presented in the Geotechnical Addendum are classified as SM. The Minnesota Stormwater Manual recommends infiltration rate of 0.45 inches per hour for SM soil. Unclear how the 6’ curb inlet opening will collect surface water and route to the pre-treatment manhole.</td>
<td>3. Change calculations to include infiltration rate of 0.45 inches per hour or provide further analysis of soil infiltration rates. 4. Provide a detail for the 6’ curb inlet opening. Provide clarification on how it will collect surface water and route it to the pre-treatment manhole.</td>
</tr>
<tr>
<td><strong>Soils &amp; Erosion Control:</strong> Infiltration basins are not protected from erosion and sedimentation during construction. After initial grading the District requires that infiltration basins be completely surrounded by erosion control measures to prevent the basin from clogging.</td>
<td>5. After initial grading completely surround the proposed infiltration basins with erosion control measures to prevent the basin from clogging.</td>
</tr>
<tr>
<td><strong>Maintenance:</strong> 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 conditions and 2 Stipulations:

**Conditions:**

1. Receipt of escrows.
2. Provide ground and groundwater elevations for soil borings.
3. Change calculations to include infiltration rate of 0.45 inches per hour or provide further analysis of soil infiltration rates.
4. Provide a detail for the 6’ curb inlet opening. Provide clarification on how it will collect surface water and route it to the pre-treatment manhole.
5. After initial grading completely surround the proposed infiltration basins with erosion control measures to prevent the basin from clogging.
6. Provide an O&M Agreement that meets District requirements.

**Stipulations:**
1. Submittal of as-builts for infiltration basin and pretreatment manhole.
2. Completion of post-construction infiltration tests on Infiltration Basin by filling the basin to a minimum depth of 6 inches with water and monitoring the time necessary to drain, or multiple double ring infiltration tests to ASTM standards. The Coon Creek Watershed District shall be notified prior to the test to witness the results.

Motion to Table with 6 Conditions and 2 Stipulations was moved by Herbst and seconded by McCullough. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

**11. Runway 18 Obstruction:** The purpose of this project is for Tree Clearing located at Radisson Road, Blaine.

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 + (4.5 ac * $500/ac) = $4,250</td>
<td>1. Receipt of escrows.</td>
</tr>
</tbody>
</table>
| Soils & Erosion Control: Erosion Control Plan does not meet District requirements. It is understood that this project will not likely result in ground disturbance. In the event that soil is disturbed due to vehicle traffic or clearing activities, the District requires soils to be stabilized within 7 days of inactivity. | 2. Provide an Erosion Control Plan Exhibit with the following:  
   a. Include a note to stabilize disturbed soil within 7 days of inactivity.  
   b. Include provisions to minimize the transport of sediment onto paved surfaces. A rock or mulch construction entrance/exit is recommended.  
   c. Include a note to clean road surfaces where sediment is transported by the end of the day.  
   d. Provide for the repair and maintenance of all temporary sediment control practices. |
| Wetlands: Wetlands may be impacted. The LGU has requested comments from | 3. Provide construction matting within wetland areas so rutting |
the TEP. The TEP has recommended construction matting within wetland areas.

| Wildlife: The proposed project may include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors. | 4. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors |

Staff recommendation in the staff report was to Table with 4 Conditions and 1 Stipulation, however, DNR responded to Condition #4 on Friday, February 7, 2020. Staff revised recommendation to Approve with 3 Conditions and 1 Stipulation as follows:

**Conditions:**

1. Receipt of escrows, $4,250.00.
2. Provide an Erosion Control Plan Exhibit with the following:
   a. Include a note to stabilize disturbed soils within 7 days of inactivity.
   b. Include provisions to minimize the transport of sediment onto paved surfaces. A rock or mulch construction entrance/exit is recommended.
   c. Include a note to clean road surfaces where sediment is transported by the end of the day.
   d. Provide for the repair and maintenance of all temporary sediment control practices.
3. Provide construction matting within wetland areas so rutting does not occur and quantify the temporary impacts.

**Stipulations:**

1. Verification during the growing season is required to ensure that soil disturbance and wetland impacts did not occur.

Motion to Approve with 3 Conditions and 1 Stipulation was moved by Herbst and seconded by Wilder. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

**DISCUSSION ITEMS**

12. Rice Creek Watershed District Hydrologic Boundary Review: Kelly reviewed the staff report noting the report is not a petition for boundary change, the analysis is incomplete, the maps provided are confusing and do not appear to correlate with the index map provided and there is no due date for CCWD to submit comments.

Motion by Wilder that the Coon Creek Watershed District does not concur with the hydrologic boundary proposed by Rice Creek Watershed District, seconded by Hoffman. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.
13. Update on MPCA Briefing on Water Permit Fees (ABM): Kelly noted the fees for CCWD would be greater than $100, and it is unclear if annually or a 5 year permit. City fees would be much higher, depending upon the population. Kelly stated the comment period ends on March 15 and he will bring draft CCWD comments to the next two meetings.

INFORMATIONAL ITEMS

14. Minnesota considers raising water permit fees - Article

ADJOURN
The meeting adjourned at 6:00 PM on a motion by Wilder seconded by Hoffman. Motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder), no nays.

______________________________
Anthony Wilder, President