COON CREEK WATERSHED DISTRICT
BOARD OF MANAGERS' MEETING
August 22, 2016

The Board of Managers of the Coon Creek Watershed District held their regular meeting on August 22, 2016 at the Bunker Hills Activities Center.

1. Call to Order: The meeting was called to order at 5:30 PM
Staff: Dawn Doering, Corinne Elfelt, Rebecca Haug, Tim Kelly, Michelle Ulrich.
Others: No one present

2. Approval of the Agenda: Hoffman moved to approve the Agenda. Seconded by Phelps. Motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

3. Announcements: No announcements

4. Open Mike: No one present

POLICY ITEMS
5. Minutes: Motion to approve the August 8, 2016 Minutes and August 15, 2016, Budget Workshop Minutes was made by Wilder, seconded by Westlund. Motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

PERMIT ITEMS
6. Blaine University Ave Townhomes: The purpose of this project is the construction of a Townhome Development to be located at the northeast corner of 109th Avenue and University 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 + (2.6 ac * $500/ac) = $3,300.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: The current design allows for infiltration from runoff from driveways/access roads. The project is within a DWSMA and therefore, filtration must be provided prior to infiltration from these areas. Infiltration without filtration is allowed when runoff is from rooftops only.</td>
<td>2. Project is located within a DWSMA. Design will require filtration prior to infiltration from runoff from roads/driveways. Infiltration from roof runoff is acceptable. Provide soil media for infiltration basins and vegetation details.</td>
</tr>
<tr>
<td>A post construction test on the infiltration/filtration basins will be required to verify the assumed infiltration</td>
<td>3. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the</td>
</tr>
</tbody>
</table>
rates are obtained. Geotechnical Report indicates that soils are SP-SM which has a lower infiltration rate than the assumed 0.8 in/hr.

<table>
<thead>
<tr>
<th>Location is not shown for note #3 on plan sheets and current statement does not specify storm structure.</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HWLs are not provided on plan sheet.</td>
<td>4. Shown location of note #3 on plan sheets and specify which storm structure note is referring to.</td>
</tr>
<tr>
<td>Model: a. Outlets for 2I and 3I are not shown on plan sheets. b. Unclear what Volume #3 is in 1I. c. Compaction during construction should be taken into account for proposed conditions. Soil borings are SP-SM so a soil type of “B” should be used for proposed conditions.</td>
<td>5. Show HWLs for basins on plan sheets.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: No SWPPP provided and erosion control plan sheets do not meet District requirements listed in Erosion Control Section above.</td>
<td>6. Model: a. Show overflow weirs for 2I and 3I on plan sheets. Clarify if weirs are HWL or EOFs. b. Provide statement explaining volumes used for 1I. c. Update proposed conditions soils to a type “B” to account for compaction during construction.</td>
</tr>
<tr>
<td>It is unclear if dewatering is needed during the construction of the proposed project.</td>
<td>7. Provide SWPPP and erosion control plan that meets all of District requirements noted in the Erosion Control Section above.</td>
</tr>
<tr>
<td>Floodplain: Low floor elevations do not meet the criteria for the City of Blaine; 1 ft above mottled, 2 ft above 100 yr for Buildings B1 and A3.</td>
<td>8. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule and quantities.</td>
</tr>
<tr>
<td>Water Quality: All discharges into infiltration systems (basins and trench) are not pretreated to ensure long term filtration capabilities. Two possible pretreatment options are sumps and RainGuardians.</td>
<td>9. LFEs must meet the 2 foot separation from HWL for adjacent basins. Basin 2I has a HWL of 911.3’ and B1 LFEs is 911.9. Basin 3I has a HWL of 909.4’ and A3 LFEs is 910.7.</td>
</tr>
<tr>
<td>Maintenance: It is unknown who is responsible for the maintenance of the stormwater treatment practices is. No O&amp;M agreement was provided.</td>
<td>10. Provide pretreatment into stormwater features. If using sumps, provide calculations (SHASM 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 regardless of SHASM results.</td>
</tr>
<tr>
<td></td>
<td>11. Provide O&amp;M agreement for each stormwater treatment practice proposed in project that meets District standards.</td>
</tr>
</tbody>
</table>
Staff recommended tabling with the following 11 stipulations:

1. Receipt of escrows.
2. Project is located within a DWSMA. Design will require filtration prior to infiltration from runoff from roads/driveways. Infiltration from roof runoff is acceptable. Provide soil media for infiltration basins and vegetation details.
3. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin 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. Show location of note #3 on plan sheets and specify which storm structure note is referring to.
5. Show HWLs for basins on plan sheets.
6. Model
   a. Shown overflow weirs for 2I and 3I on plan sheets. Clarify if weirs are HWL or EOFs.
   b. Provide statement explaining volumes used for 1I.
   c. Update proposed conditions soils to a type “B” to account for compaction during construction.
7. Provide SWPPP and erosion control plan that meets all of District requirements noted in the Erosion Control Section above.
8. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule and quantities.
9. LFEs must meet the 2 foot separation from HWL for adjacent basins. Basin 2I has a HWL of 911.3’ and B1 LFEs is 911.9. Basin 3I has a HWL of 909.4’ and A3 LFEs is 910.7.
10. Provide pretreatment into stormwater features. If using sumps, provide calculations (SHASM 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 regardless of SHASM results.
11. Provide O&M agreement for each stormwater treatment practice proposed in project that meets District standards.

Motion to table with 11 stipulations was moved by Westlund and seconded by Hoffman. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

7. Deer Haven Hills 9th Addition: The purpose of this project is the development of two single family residential lots to be located south of the intersection of Yancy Street NE and 146th Avenue NE in Ham Lake, 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 + (1.1 ac * $500/ac) =</td>
<td>1. Receipt of escrows.</td>
</tr>
</tbody>
</table>
**$2,550.00**  

**Groundwater:** The low floor elevation shown on the plans for block 1 lot 1 is 895.1 and the 100-Year elevation for the basin is 894.4. According to the rules of the District and the City of Ham Lake, low floors must be a minimum of 1 foot above the 100-Year basin elevation.

2. Provide low floor elevations for Lot 1, Block 1 that is a minimum of 1 foot above HWL of basin (894.4’).

**Wildlife:** The project has the potential to include the endangered or threatened species, rare natural community Black Huckleberry (Gaylussacia baccata).

3. Provide response from MNDR regarding NHIS findings.

Staff recommendation was to table with the following 3 stipulations:

1. Receipt of escrows.
2. Provide low floor elevations for Lot 1, Block 1 that is a minimum of 1 foot above HWL of basin (894.4’).
3. Provide response from MNDR regarding NHIS findings.

Board Discussion: Hoffman asked what the floor elevation issue was. Haug noted they need to be one foot above the 100-year flood elevation and they have not met that requirement yet.

Motion to table with 3 stipulations was moved by Phelps and seconded by Wilder. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

**8. Honda of Coon Rapids:** The purpose of this project is the construction of an automobile dealership and associated parking to be located Goldenrod Street NW 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 + (5.93 ac * $500/ac) = $4,965.00</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.</td>
<td>2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>It is unclear if inlets on 102nd Ave. will be protected with inlet protections.</td>
<td>3. Provide statement to verify the protection of downstream inlets on 102nd Ave.</td>
</tr>
<tr>
<td>It is not clear whether road surfaces are to be maintained by the end of day.</td>
<td>4. Provide statement in SWPPP notes to have road surfaces cleared by the end of day.</td>
</tr>
<tr>
<td>The geotechnical report suggests that</td>
<td>5. Provide well-field locations, rates,</td>
</tr>
</tbody>
</table>
dewatering is recommended and no dewatering plan has been submitted. discharge locations, schedule and quantities for dewatering.

**Maintenance:** A stormwater management operations and maintenance agreement acceptable to the District and the City is needed for all private stormwater features on the site.

6. Provide stormwater operations and maintenance agreement.

**Stormwater & Hydrology:** The ultimate discharge from the site to the northeast goes off the property into MnDOT right of way and no written permission or approval from MnDOT has been provided.

7. Provide written permission from MnDOT for installation of point discharge pipe into MnDOT right of way

Staff recommendation was to table with the following 7 stipulations:

1. Receipt of escrows.
2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.
3. Provide statement to verify the protection of downstream inlets on 102nd Ave.
4. Provide statement in SWPPP notes to have road surfaces cleared by the end of day.
5. Provide well-field locations, rates, discharge locations, schedule and quantities for dewatering.
6. Provide stormwater operations and maintenance agreement.
7. Provide written permission from MnDOT for installation of point discharge pipe into MnDOT right of way

Motion to table with 7 stipulations was moved by Westlund and seconded by Hoffman. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

9. **Radisson Cove:** The purpose of this project is the construction of a new single family lot subdivision to be located on Radisson Road just south of 127th Lane 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>Escrow: $2,000 + (4.63 ac * $500/ac) = $4,315.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Dewatering will be required for utility line installation.</td>
<td>2. Provide well-field location, rates, discharge location, schedule and quantities for dewatering activities.</td>
</tr>
<tr>
<td>Maintenance: A maintenance agreement has not been executed for stormwater practices.</td>
<td>3. An O&amp;M agreement for infiltration basin and sump that meets District requirements is needed.</td>
</tr>
</tbody>
</table>
Staff recommendation was to approved with the following 3 stipulations:

1. Receipt of escrows.
2. Provide well-field location, rates, discharge location, schedule and quantities for dewatering activities.
3. An O&M agreement that meets District requirements is needed for infiltration basin and sump.

Board Discussion: Responded to Board questions, Haug noted the contractor will be piping across to the county ditch and there will be a dedicated easement that will be outlined in the Operations & Maintenance Agreement. Dewatering is yet to be determined. Haug stated the permit for this project will not be issued until all of these items have been submitted.

Motion to approve with 3 stipulations was moved by Hoffman and seconded by Wilder. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

10. Westwood Middle School: The purpose of this project is the addition of parking lot for buses to be located at 711 91st 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><strong>Escrows:</strong> $2,000 + (3.43 ac * $500) = $3,715.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td><strong>Groundwater:</strong></td>
<td>2. The applicant must acknowledge that they will conduct a post construction test on the stormwater features. The Coon Creek Watershed District shall be notified prior to the test to witness the results.</td>
</tr>
<tr>
<td>The applicant must acknowledge that they will conduct a post construction test on the infiltration/filtration systems. The Coon Creek Watershed District shall be notified prior to the test to witness the results.</td>
<td></td>
</tr>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> Model appears to meet rate control; however, drainage maps were not provided to ensure accurate Subcatchment delineation.</td>
<td>3. Subwatershed maps to confirm routing for the existing and proposed scenarios.</td>
</tr>
</tbody>
</table>

Staff recommendation was to approve with 3 stipulations as follows:
1. Receipt of escrows.
2. The applicant must acknowledge that they will conduct a post construction test on the stormwater features. The Coon Creek Watershed District shall be notified prior to the test to witness the results.
3. Subwatershed maps to confirm routing for the existing and proposed scenarios.
Motion to approve with 3 stipulations was moved by Westlund and seconded by Phelps. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

11. Woodland Creek Wetland Bank Restoration Project: The purpose of this project is the restoration of wetlands located at 143rd 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 + (70 ac * $500/ac) = $37,000</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Wetland Escrow: $0 – waived because it is a wetland restoration</td>
<td>2. Provide notes on plans erosion control sheets to stabilize vegetation in 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading or inactivity.</td>
<td>3. Provide Erosion control notes regarding how stockpiles will be stabilized.</td>
</tr>
<tr>
<td>Notes have not been provided on plans as to how stockpiles are to be stabilized.</td>
<td>4. Provide construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided.</td>
</tr>
</tbody>
</table>

Staff recommendation was to approve with 4 stipulations as follows:
1. Receipt of escrows.
2. Provide notes on plans erosion control sheets to stabilize vegetation in 7 days of rough grading or inactivity.
3. Provide Erosion control notes regarding how stockpiles will be stabilized.
4. Provide construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided.

Board Discussion: Hoffman asked if soil corrections will need to be done due to removal of tees and greens at this former golf course. Haug noted much of the regrading was done when the development was recently added. Haug also stated there will be a second permit for a trail and interpretive walk. Phelps inquired about the delay with this project. Haug said that multiple government agencies were involved to restore the wetland, thus the delay.

Motion to approve with 4 stipulations was moved by Hoffman and seconded by Phelps. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.
12. **Ditch 17 Emergency Repair (ABM):** The purpose of this project was the emergency repair of the collapsed banks and culvert located on County Ditch 17 crossing of 89th Avenue.

The emergency repairs were required after the storms of August 10 and 11 created hazardous conditions by collapsing the bank and trail into the ditch. Next year permanent correction will be done.

Motion to approve without any stipulations was moved by Westlund and seconded by Hoffman. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

**DISCUSSION ITEMS**

13. **Review of Public & Governmental Relations Program:** A review of the Public and Governmental Relations Coordinator Program responsibilities and of the proposed Outreach and Involvement Assistant was reviewed. The Board’s decision was to begin the position in July, 2017, and include half-year compensation in the budget.

14. **Approve Public Notice for 2017 Budget Hearing:** There were no further changes to the budget.

Motion to Approve the Budget for Public Hearing on September 12, 2016 and Order Public Notice & Hearing by Westlund and seconded by Hoffman. The motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

15. **Update on Office Building Plans:** The Board discussed office layout, community space needs and uses, need for a third vehicle to be stored and general storage needs. Kelly stated soil borings are being done to determine where the building should be located on the property and a tree inventory is being completed by staff.

**INFORMATIONAL ITEMS**

16. **Update on Damage from August 10 & 11 Storm:** In addition to the storm damage corrected by the emergency repairs in Item 17, there was also storm damage on Pleasure Creek near Coon Rapids Blvd at the Holiday Inn Express construction site. At that location a sanitary sewer line was exposed.

17. **2016 MAWD Annual Meeting Resolution:** An update on the MAWD annual meeting resolution process.

18. **Drainage Work Group Discussion Paper:** Kelly and Ulrich are on the state Drainage Workgroup that is working to update the drainage law. There will be changes proposed this next legislative session.

19. **Anoka Union Article – Andover Celebrates Water Challenge Win:** An update to an information item earlier in the year.

21. Anoka Union Article – Council backs watershed district project: The article has brought about positive feedback.

Added Items:
22. Star Tribune Article – Turf war: Overwatering our lawns is sucking up our water supply: Hoffman stated there is a need for educating the public on what overwatering will do. Phelps stated the Governor will be giving special attention to water over the next year.

23. Buffer Bill: Kelly also commented on the buffer bill that is continuing to be refined that may bring about changes within the District.

ADJOURN
The meeting adjourned at 6:43 PM on a motion by Hoffman, seconded by Phelps. Motion carried with four yeas (Hoffman, Phelps, Westlund and Wilder) and no nays.

_____________________________
Byron Westlund, President