COON CREEK WATERSHED DISTRICT
BOARD OF MANAGERS' MEETING
September 25, 2017

The Board of Managers of the Coon Creek Watershed District held their regular meeting on September 25, 2017 at the Bunker Hills Activities Center.

1. Call to Order: The meeting was called to order at 5:30 PM
Staff: Corinne Elfelt, Jon Janke, Tim Kelly, Abbey Lee, Michelle Ulrich
Others: Jim Lindahl – ACD Supervisor, Ben Lucas – Sambatek, Inc for Sutton Honda

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

3. Announcements: None

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

POLICY ITEMS

5. Approval of Minutes of September 11, 2017, meeting. Motion to Approve the Minutes was made by Westlund and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

6. Bid Award for Woodcrest Bank Stabilization Project: The Woodcrest Bank Stabilization project was identified in the District’s Capital Improvement and Comprehensive Plans. The project was prioritized for work as part of the District Bank Stabilization Program. The project area is the 1000 feet of channel between the railroad and pedestrian bridge and is intended to address the contribution of sediment loads to lower Coon Creek by addressing very severe bank erosion, incised channel and steep shaded vertical bank walls either side of the channel. Top of bank is densely wooded with mature trees and numerous fences, sheds and landscaping limiting access.

On September 12, 2016 the Board approved the 2017 budget. Including $298,670 for the Woodcrest Bank Stabilization Project. From September 1, 2017 through September 8, 2017 an advertisement for bids was published in the Anoka County Union Herald, Sun Focus Columbia Heights/Fridley and Blaine-Spring Lake Park Life newspapers. The advertisement for bids was also made available through QuestCDN. On September 15, 2017 bids were due and Staff held a bid opening at the District office.

Staff recommendation was to award the contract to New Look Contracting based on their bid of $184,646.00.
Motion to Award Contract for Woodcrest Creek Bank Stabilization Project to New Look Contracting was made by Wilder and seconded by Hoffman. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

PERMIT ITEMS
7. Sharper Homes/Packer: The purpose of this project is to build a 1700 square foot house on a 10 acre lot approximately 1700 feet east of the intersection of Round Lake Blvd NE and 161st Ave 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 + (0.66 ac * $500/ac) =</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>$2,330.00</td>
<td></td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: District</td>
<td>2. Provide Erosion Control plan with the following:</td>
</tr>
<tr>
<td>requires all stabilization vegetation be</td>
<td>a. Update construction plans to stabilize vegetation in 7 days</td>
</tr>
<tr>
<td>within seven (7) days of rough grading or</td>
<td>of rough grading or inactivity.</td>
</tr>
<tr>
<td>inactivity.</td>
<td>b. Note that provisions have been made to minimize transport of</td>
</tr>
<tr>
<td>Provisions have not been made to</td>
<td>sediment (mud) by runoff or vehicle tracking onto the paved</td>
</tr>
<tr>
<td>minimize transport of sediment (mud) by</td>
<td>surface.</td>
</tr>
<tr>
<td>runoff or vehicle tracking onto the paved</td>
<td>c. Note that any sediment tracked onto the street from</td>
</tr>
<tr>
<td>surface.</td>
<td>construction activities will be removed on a daily basis.</td>
</tr>
<tr>
<td>Provisions have not been made for</td>
<td></td>
</tr>
<tr>
<td>cleaning road surfaces where sediment is</td>
<td></td>
</tr>
<tr>
<td>transported by the end of the day.</td>
<td></td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 2 Stipulations as follows:
1. Receipt of escrows, $2,330.00.
2. Provide Erosion Control plan with the following:
   a. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.
   b. Provisions have not been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.
   c. Provide a note that any sediment tracked onto the street from construction activities will be removed on a daily basis.

Motion to Approve with 2 Stipulations was moved by Westlund and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.
8. 8945 Evergreen Blvd (American Pre-Clinical): The purpose of this project is to build a 18,000 square foot building on a 3.3 acre lot SE of 90th Ave NW and Evergreen Blvd intersection 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 + (0.58 ac * $500/ac) = $2,290.00</td>
<td>1. Receipt of escrows.</td>
</tr>
</tbody>
</table>
| Stormwater & Hydraulics: 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. | 2. Stormwater & Hydraulics:  
   a. 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.  
   b. Provide Stormtech details that match HydroCAD model. |
| Stormtech Details do not match HydroCAD model. |  |
| Soils & Erosion Control: It is unclear if dewatering is needed during the construction of the proposed project.  
   Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss. | 3. Erosion Control Plan:  
   a. 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.  
   b. Provide note on the erosion control sheet that the soil stockpile that will placed north of the site will require erosion control around it. |
| 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. | 4. Provide an O&M Agreement that meets District requirements. |

Staff recommendation was to Approve with 4 Stipulations as follows:
1. Receipt of escrows, $2,290.00.
2. Stormwater & Hydraulics:
   a. 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.
   b. Provide Stormtech details that match HydroCAD model.

3. Erosion Control
   a. 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.
   b. Provide note on the erosion control sheet that the soil stockpile that will placed north of the site will require erosion control around it.

4. Provide an O&M Agreement that meets District requirements.

Motion to Approve with 4 Stipulations was moved by Hoffman and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

9. Coon Rapids Chrysler Dodge Jeep Ram: The purpose of this project is construction of a 64,080 square foot replacement building on 12.7 acre lot located at the SW corner of Egret Blvd and US 10 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 + (4.53 ac * $500/ac) = $4,263.50</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Maintenance: A maintenance agreement has not been executed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice.</td>
<td>2. Provide an O&amp;M Agreement that meets District requirements.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 2 Stipulations as follows:
   1. Receipt of escrows, $4,263.50
   2. Provide an O&M Agreement that meets District requirements.

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

10. Deer Pond: The purpose of this project is the developing 8 lots on 5.3 acres located NW of 128th Ave 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>
</table>
Escrows: $2,000 + (48 ac * $500/ac) = $4,400.00

1. Receipt of escrows.

Stormwater & Hydraulics: Infiltration basin may overtop curb at same elevation of proposed EOF (907.0).

2. Grade EOF to be 0.1 feet lower than top of curb at curb cuts and 10 feet wide to ensure water is directed toward proposed basin and not onto the roadway.

Soils & Erosion Control: Off-site grading is proposed near the rock construction entrance.

3. Provide written permission from the land owner for off-site grading.

Wetlands: Wetland impacts are proposed.

4. Provide proof of wetland credit purchase

Staff recommendation was to Approve with 4 Stipulations as follows:
1. Receipt of escrows, $4,400.00.
2. Grade EOF to be 0.1 feet lower than top of curb at curb cuts and 10 feet wide.
3. Provide written permission from the land owner for off-site grading.
4. Provide proof of wetland credit purchase.

Motion to Approve with 4 Stipulations was moved by Wilder and seconded by Kreun. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

11. Glen Cove: The purpose of this project is the development of 19 lots on 7 acres at the intersection of Radisson Rd NE and Rodeo Dr 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 + (7 ac * $500/ac) = $5,500.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: The rate of post-development runoff from the site exceeds rates which would interfere with sensitive downstream land uses (Golf Course). Basin is within the 50 foot ditch easement and will not allow for ditch maintenance without compaction of the soil within the basin. Basin design needs to account for maintenance access outside of the footprint of the basin. No details provided for biofiltration basin: - HydroCAD model has 6” outlet pipe and construction plans list</td>
<td>2. For areas upstream of drainage sensitive land uses, the 100-Year post development discharge rate must be equal to or less than the 25-Year predevelopment discharge rate. 3. Basin design needs to account for maintenance access outside of the footprint of the basin. Maintenance bench should be designed for a 20 foot backhoe track width. 4. Provide biofiltration basin detail for construction including soil media depth and type, elevations of high points and drain tile size.</td>
</tr>
</tbody>
</table>
drain tile as 4”  
- It is unclear if soil media or underdrain will be limiting factor for drainage rate of biofiltration basin.  
- Need to verify depth of drain tile used in HydroCAD  
- Unclear if HWL is contained within the basin.

5. If soil media is limiting factor for drainage rate, update HydroCAD model to include filtration routed to outlet.

6. The applicant must acknowledge that they will conduct a post construction test on the filtration 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.

Soils & Erosion Control: It is unclear if dewatering is needed during the construction of the proposed project.

7. 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.

Floodplain: The project proposes to place fill within the floodplain. The floodplain for the project location is 899.7 ft (NAVD 88).

8. Provide a figure and calculations quantifying how much fill will be placed within the floodplain and showing the proposed floodplain extents.

Wetlands: Wetland credits are proposed to be purchased to replace the wetland impacts.

9. Provide proof of purchase for wetland credits.

Staff recommendation was to Table with 9 Stipulations as follows:

1. Receipt of escrows.
2. For areas upstream of drainage sensitive land uses, the 100-Year post development discharge rate must be equal to or less than the 25-Year predevelopment discharge rate.
3. Basin design needs to account for maintenance access outside of the footprint of the basin. Maintenance bench should be designed for a 20 foot backhoe track width.
4. Provide biofiltration basin detail for construction including soil media depth and type, elevations of high points and drain tile size.
5. If soil media is limiting factor for drainage rate, update HydroCAD model to include filtration routed to outlet.
6. The applicant must acknowledge that they will conduct a post construction test on the filtration 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.

7. 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.

8. Provide a figure and calculations quantifying how much fill will be placed within the floodplain and showing the proposed floodplain extents.

9. Provide proof of purchase for wetland credits.

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

12. National Sport Center Field Reconstruction: The purpose of this project is the reconstruction of artificial turf and grass soccer fields located SW of 105th Ave NE and Davenport St 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 + (10.3 ac * $500/ac) = $7,150.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: Model clarity needed:</td>
<td>2. Update HydroCAD model to match construction plans for storage volumes in proposed systems.</td>
</tr>
<tr>
<td>Surface area used in model for 6P &amp; 7P (200,000 sq ft) does not match field surface area for grass soccer field (167,000 sq ft) on construction plans.</td>
<td>3. Update HydroCAD model to only use only one exfiltration system for 3P.</td>
</tr>
<tr>
<td>Unclear why two separate exfiltration discharges are listed in the model for 3P</td>
<td>4. Include storage volume for perforated pipe in 5P.</td>
</tr>
<tr>
<td>Model storage inputs do not match construction details depths for 5P, 6P, 7P and 8P.</td>
<td>5. 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</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>6. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td>It is unclear if dewatering is needed during the construction of the proposed project.</td>
<td>7. 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><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>8. Provide an O&amp;M Agreement that meets District requirements.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Table with 8 Stipulations as follows:

1. Receipt of escrows, $7,150.00.
2. Update HydroCAD model to match construction plans for storage volumes in proposed systems.
3. Update HydroCAD model to only use only one exfiltration system for 3P.
4. Include storage volume for perforated pipe in 5P.
5. 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.
6. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.
7. 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.
8. Provide an O&M Agreement that meets District requirements.

Motion to Table with 8 Stipulations was moved by Westlund and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

**13. Oak Glen Creek Pond Expansion Project:** The purpose of this project in stormwater pond construction north of 73<sup>rd</sup> Ave NE and Commerce Lane in Fridley, Minnesota.

The staff report provided to the Board identified the following issues and concerns:
ISSUE | NEED
--- | ---
**Escrows:** $2,000 + (3.4 ac * $500/ac) = $3,700.00 | 1. Receipt of escrows.

**Stormwater & Hydraulics:** 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. | 2. 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.

Staff recommendation was to Approve with 2 Stipulations as follows:
1. Receipt of escrows.
2. 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.

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

14. Spring Lake Park Westwood Middle School 2017 Basketball: The purpose of this project is to construct 4,200 square foot basketball court on 3.4 acre lot located 1000 feet west of the intersection of Hwy 610 and Polk Street 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 + (0.25 ac * $500/ac) = $2,125.00</td>
<td>1. Receipt of escrows.</td>
</tr>
</tbody>
</table>

**Soils & Erosion Control:** Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.

All work adjacent to water or related resource has not taken precautions to contain sediment, and stabilize the work area during construction.

Construction entrance points are not clearly located on the erosion and sediment control plan.

2. Update Erosion Control Plan with the following items:
   a. If soil stockpiles are present, they must be fitted with sediment-trapping measures to prevent soil loss.
   b. Provide silt fence at northern end of basketball court to prevent sedimentation of ditch.
   c. Provide construction entrance location
**Floodplain:** As a result of the ditch to the north of the project being connected to CD 17 (Springbrook), the floodplain elevation at this location is 901.35 feet (NAVD 88).

Recommend raising the grading of the basketball court above the floodplain elevation of 901.35 feet.

Staff recommendation was to Approve with 2 Stipulations as follows:
1. Receipt of escrows, $2,125.00
2. Update Erosion Control Plan with the following items:
   a. If soil stockpiles are present, they must be fitted with sediment-trapping measures to prevent soil loss.
   b. Provide silt fence at northern end of basketball court to prevent sedimentation of ditch.
   c. Provide construction entrance location
   d. A recommendation was made to raise the grading of the basketball court above the floodplain elevation of 901.4 feet.

Motion to Approve with 2 Stipulations was moved by Herbst and seconded by Wilder. The motion carried with four yea}s (Herbst, Hoffman, Westlund and Wilder), one abstaining (Kreun) and no nays.

**15. Steve Wilkinson Pole Barn:** The purpose of this project is construction of a 2,400 square foot building on 5.4 acre lot located 1000 feet east of 158th Avenue NE and Austin Street 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 + (0.055 ac * $500/ac) = $2,027.50</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 in 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>Adjacent wetlands are not protected from construction activities.</td>
<td>3. Provide erosion control fence along construction limits to prevent sedimentation of adjacent wetlands.</td>
</tr>
<tr>
<td>Floodplain: Proposed project is partially within floodplain (902.5; NAVD 88 Datum). However, no calculations provided to determine compensatory storage requirements.</td>
<td>4. Provide compensatory storage and floodplain calculations.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Table with 4 Stipulations as follows:
1. Receipt of escrows, $2,027.50.
2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.
3. Provide erosion control fence along construction limits to prevent sedimentation of adjacent wetlands.
4. Provide compensatory storage and floodplain calculations.

Motion to Table with 4 Stipulations was moved by Westlund and seconded by Hoffman. The motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

16. Sutton Honda: The purpose of this project is the construction of a car dealership on 10.8 acres located at the intersection of Highway 10 NW and Hanson Blvd 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>Maintenance: A maintenance agreement has not been executed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice.</td>
<td>1. Provide an O&amp;M Agreement that meets District requirements.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 1 Stipulation as follows:

1. Provide an O&M Agreement that meets District requirements.

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

DISCUSSION ITEMS

17. FEMA Hazard Mitigation Grant-Miss River Mass Wasting: Kelly reviewed the history of the mass wasting on the Mississippi River bank. It had been previously agreed upon that CCWD would investigate sources of funding to assist the property owners. There were found to be FEMA funds available that were issued to the state for previous storm damage. The City of Fridley will take the lead to pursue the grant money that may be available.

18. CAC Board liaison for 10/11/217 CAC Meeting: Kreun will not be available for this meeting. Wilder stated he may be available. Herbst, also indicated he may be available in Wilder could not make the meeting. Herbst asked Wilder to let him know if he could not make the meeting and Herbst would arrange to attend the meeting.

INFORMATIONAL ITEMS

19. Under the Canopy: Article from the Forester Network an effort to put value on trees in metro areas based on their payoff in decreased air pollution, improved stormwater remediation, carbon dioxide sequestration and heating and cooling cost savings.
ADJOURN
The meeting adjourned at 6:11 PM on a motion by Hoffman, seconded by Herbst. Motion carried with five yeas (Herbst, Hoffman, Kreun, Westlund and Wilder) and no nays.

_____________________________
Anthony Wilder, President