COON CREEK WATERSHED DISTRICT
BOARD OF MANAGERS' MEETING

May 27, 2014

The Board of Managers of the Coon Creek Watershed District held their regular meeting on

POLICY ITEMS
1. Call to Order: The meeting was called to order at 7:30 PM
Present: Scott Bromley, Warren Hoffman, Brad Johnson, Clayton Kearns, and Byron
Westlund
Staff: Rebecca Haug, Tim Kelly, Diana Shonyo, and Michelle Ulrich
Others: Charlie Cherrier of 16515 Fraizer St, Ham Lake

2. Approval of the Agenda: Motion to approve the agenda, as amended to add Item
number 12, was made by Johnson and seconded by Bromley. Motion carried with five yeas
(Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

3. Open Mike: No one present

POLICY ITEMS
4. Approval of Minutes: Motion to Approve the Minutes was made by Hoffman and
seconded by Kearns. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns,
and Westlund) and no nays.

5. Request to Seek Quotes for Carr Bank Stabilization Project: Kelly noted this is in
Lower Coon Creek and is in the 2014 budget.

Motion authorizing staff to seek quotes from pre-qualified contractors was made by
Johnson and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman,
Johnson, Kearns and Westlund) and no nays.

PERMIT ITEMS
6. Carson’s Ridge: The purpose of this project is an 18 lot single family residential
development at 14123 Prairie Road, Andover MN.

The staff report provided to the Board identified the following issues and concerns:
**ISSUES/CONCERNS:**

**Stormwater & Hydraulics:** The applicant submitted updated stormwater calculations to show that the site is meeting volume management requirements and rate control requirements for drainage sensitive uses downstream.

The volume management requirement was not met. The applicant sized the infiltration basin for 1 inch of runoff from the impervious area which included streets and driveways. The applicant should size the infiltration basin to include the 50% of each roof that drains to the streets to meet the volume management requirement.

The rate control requirement is met. The proposed condition 100-year runoff rate of 3.3 cfs is no greater than the 25-year existing condition total runoff rate of 3.3 cfs.

---

**NEED:**

1. After initial grading, completely surround low areas 1, 2 and 3, and pond 1 with silt fence to prevent the areas from filling with sediment.
   a. Include silt fence surrounding low areas 1, 2 and 3, and pond 1 on the Grading, Drainage and Erosion Control Plan. Show as the silt fence line on the plans.

2. Provide Stormwater runoff calculations that show the site is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation.
   a. Include 50% of the roof area with the total impervious area at the site.

---

**Escrows:**

\[ $1,500 + (10.2 \text{ acres} \times $500/\text{acre}) = $7,010.00 \]

---

3. Receipt of escrows

---

Staff recommendation to table with 3 Stipulations:

1. Receipt of escrows of $7,010.00.
2. After initial grading, completely surround low areas 1, 2 and 3, and pond 1 with silt fence to prevent the areas from filling with sediment.
   a. Include silt fence surrounding low areas 1, 2 and 3, and pond 1 on the Grading, Drainage and Erosion Control Plan. Show as the silt fence line on the plans.
3. Provide Stormwater runoff calculations that show the site is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation.
   a. Include 50% of the roof area with the total impervious area at the site.

Staff recommendation to Table with 3 Stipulations was moved by Hoffman and seconded by Johnson. Motion carried with five yea (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.
7. CSAH 11 (Foley Blvd.) Access and Safety Improvement Project: The purpose of this project is reconstruction of CSAH 11 (Foley Blvd.) from 101st Ave. NW/HWY 10 access ramps to Egret Blvd. E of Hwy 10 from the 101st Ave. NW/Hwy 10 access ramps to Egret Blvd. in Coon Rapids, MN.

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

<table>
<thead>
<tr>
<th>ISSUES/CONCERNS:</th>
<th>NEED:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> A post construction test on the infiltration basins will be required to verify the assumed infiltration rates are obtained. The applicant must acknowledge that they will conduct a post construction test on the infiltration basins 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>1. 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.</td>
</tr>
<tr>
<td><strong>Maintenance:</strong> An Operations and Maintenance Agreement must be completed for the Woodcrest Pond.</td>
<td>2. Provide a signed Operations and Maintenance Agreement.</td>
</tr>
<tr>
<td><strong>Escrow:</strong> $2,000 + (0.7 ac x $500/ac) = $2,350</td>
<td>3. Receipt of escrows.</td>
</tr>
</tbody>
</table>

Staff recommendation to Approve with 3 Stipulations:

1. Receipt of escrows of $2,350.00.
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.
3. Provide a signed Operations and Maintenance Agreement.

Staff recommendation to Approve with 3 Stipulations was moved by Westlund and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

8. CSAH 51 (University Ave.) Transportation Improvement Project: The purpose of this project is lane expansion, culvert installation, grading and development, and pond construction/wetland alteration at CSAH 51 from approximately CSAH 12 (109th Ave NE) to CSAH 14 (125th Ave) in Coon Rapids and Blaine, MN.

The staff report provided to the Board identified the following issues and concerns:
<table>
<thead>
<tr>
<th><strong>ISSUES/CONCERNS:</strong></th>
<th><strong>NEED:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> The applicant is not meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation.</td>
<td>However, the applicant has met with District staff and they are meeting to the maximum extent possible.</td>
</tr>
<tr>
<td>Stormwater plan sheets were not provided. The District would like to review the stormwater plan sheets and review the placement of sumps, hydrodynamic separators, skimmers, etc.</td>
<td>1. Provide plan sheets showing the storm sewer layout. Show on the plan sheets all water quality units, ponds, infiltration basins, etc. and their respective connectivity within the system.</td>
</tr>
<tr>
<td>The size of the sump/sump manhole must be appropriately sized in order to verify optimal sediment removal.</td>
<td>2. Provide detailed calculations showing the sizing of the proposed SAFL Baffle sump manholes.</td>
</tr>
<tr>
<td><strong>Floodplain:</strong> Compensatory storage is required for all disturbed areas within a FEMA special flood hazard area. For review purposes a summary of the total disturbed volume to the total compensatory storage volume provided is required.</td>
<td>3. Provide compensatory storage volume summary.</td>
</tr>
<tr>
<td><strong>Maintenance:</strong> It is unclear if property owners affected by changes in drainage have been notified and have acknowledged the changes proposed.</td>
<td>4. Provide verification that adjacent property owners are aware of this project.</td>
</tr>
<tr>
<td><strong>Soils &amp; Erosion Control:</strong> Infiltration basins and ponds 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 (i.e. silt fence) to prevent the basin from clogging.</td>
<td>5. After initial grading completely surrounded the proposed infiltration basins and ponds with silt fence to prevent the basin from clogging.</td>
</tr>
<tr>
<td><strong>Water Quality:</strong> There is no water quality summary. The applicant must provide a water quality summary showing the effects of the project to the CD 61-3, CD-39 and CD-41 systems respectively. Water quality analysis for one location on each ditch immediately downstream of the construction limits needs to be provided (a</td>
<td>6. Provide a water quality summary of all discharges into the creeks comparing existing and proposed water quality concentrations.</td>
</tr>
</tbody>
</table>
total of two summaries).

| Escrow: $2,000 + (38.95ac x $500/ac) = $21,475 | 7. Receipt of escrows. |

Staff recommendation to Table with 7 Stipulations:
1. Receipt of escrows of $21,475.00.
2. Provide plan sheets showing the storm sewer layout. Show on the plan sheets all water quality units, ponds, infiltration basins, etc. and their respective connectivity within the system.
3. Provide compensatory storage volume summary.
4. Provide a water quality summary of all discharges into the creeks comparing existing and proposed water quality concentrations.
5. Provide detailed calculations showing the sizing of the proposed SAFL Baffle sump manholes.
6. After initial grading completely surrounded the proposed infiltration basins and ponds with silt fence to prevent the basin from clogging.
7. Provide verification that adjacent property owners are aware of this project.

Staff recommendation to Table with 7 Stipulations was moved by Hoffman and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

9. CSAH 78 (Hanson Blvd.) at CSAH 20 (161st Ave NW) Signalization: The purpose of this project is to install traffic signal on CSAH 78 at CSAH 20 (161st Ave NE) in Andover, MN.

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

<table>
<thead>
<tr>
<th>ISSUES/CONCERNS</th>
<th>NEEDS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maintenance:</strong> It is not clear whether property owners affected by changes in drainage have been notified and have acknowledged the changes proposed.</td>
<td>1. Verify that adjacent property owners are aware of the proposed project.</td>
</tr>
<tr>
<td><strong>Wildlife:</strong> The proposed project includes 7 state threatened and endangered species and 1 federally threatened species.</td>
<td>2. Implement measures to avoid and minimize impacts to the threatened and endangered species. Should a species be found, a complete assessment should be conducted.</td>
</tr>
<tr>
<td><strong>Escrow:</strong> $1500 + (12.60 acre *500/acre) = $8,300.00</td>
<td>3. Receipt of escrows.</td>
</tr>
</tbody>
</table>

Staff recommendation to Approve with 3 Stipulations:
1. Receipt of escrows of $8,300.00.
2. Verify that adjacent property owners are aware of the proposed project.
3. Implement measures to avoid and minimize impacts to the threatened and endangered species. Should a species be found, a complete assessment should be conducted.

Haug noted that stipulations 2 and 3 were submitted today.

Staff recommendation to Approve with 1 Stipulation was moved by Johnson and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

10. **Ed Davis Retaining Wall:** The purpose of this project is retaining wall reconstruction along the Mississippi River at 3538 Mississippi Dr. NW in Coon Rapids MN.

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

<table>
<thead>
<tr>
<th>ISSUES/CONCERNS</th>
<th>NEED:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Local Planning &amp; Zoning:</strong> Approval from the City of Coon Rapids is required.</td>
<td>Proof of approval from the City of Coon Rapids for the project is required prior to any work being completed.</td>
</tr>
<tr>
<td><strong>Soils &amp; Erosion Control:</strong> Soils affected by the proposal are Nymore and Kingsley. All water bodies are protected from erosion and sedimentation. Plans for erosion control must be followed.</td>
<td>Because of the highly erodible soils, a preconstruction meeting is required.</td>
</tr>
<tr>
<td><strong>Escrows:</strong> $2,000 + (.03 x $500/ac) = $2,015</td>
<td>Receipt of Escrows</td>
</tr>
</tbody>
</table>

Staff recommendation to Approve with 3 Stipulations:
1. Receipt of Escrows of $2,015.00.
2. City of Coon Rapids approval
3. Pre-construction meeting be held with City, CCWD and contractor

Staff recommendation to Approve with 3 Stipulations was moved by Johnson and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

**DISCUSSION ITEMS**

11. **Update on 44-3 and Lexington Flooding:** Kelly updated the Board, stating that dewatering was done for 5 days, which lowered the water table. The Anoka Highway Department has discussed replacement of the culvert prior to June 30, 2014. If this is not done, the Board will be asked to declare an obstruction. When the culvert has been
installed at the appropriate height, CCWD will remove trees and repair the ditch from Lexington Avenue to the Cherrier property.

Motion to Receive the Report was moved by Johnson and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

INFORMATIONAL ITEMS
12. Tuscon’s Water ethic: Blueprint for Minnesota?: Article by Dan Kraker in NPR News & Features. There was discussion about sensors for lawn irrigation systems.

ADJOURN
The meeting adjourned at 7:58 on a motion by Johnson and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

_____________________________
Byron Westlund, President