COON CREEK WATERSHED DISTRICT
BOARD OF MANAGERS' MEETING
May 28, 2013

The Board of Managers of the Coon Creek Watershed District held their regular meeting on May 28, 2013, at Bunker Hills Activity Center.

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:  Tom Gile, Tim Kelly, Ed Matthiesen, Diana Shonyo, and Michelle Ulrich
   Others: Fran Hagen, Westwood Professional Services and Jim Lindahl of Anoka Conservation District

2. Approval of the Agenda: Motion to approve the agenda, with the addition of Informational Item number 18, 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: None

POLICY ITEMS

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

5. Swear in New Manager: Ulrich administered the Oath of Office to Clayton Kearns.

6. Demonstration Grant Application: Kelly stated the City of Blaine has applied for a $3,382.30 grant to purchase a SAFL Baffle, which will be installed in a one of the new catch basin being installed on either side of Ditch 41 at 118th Avenue. The baffle will be used to filter out pollutants. Matthiesen added that monitoring results will be very helpful to the District.

   Motion to Approve the Grant Hoffman and seconded by Bromley, Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

PERMIT ITEMS

7. 118th Avenue Culvert Replacement: The purpose of this project is replacement of a deteriorating culvert at 118th Avenue and County Ditch 41 in Blaine, 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>Escrows: Escrows have not been paid.</td>
<td><strong>Performance Escrow;</strong> $1500 + (1 acre)</td>
</tr>
</tbody>
</table>
Water Quality: The City should determine if fertilizer is required for the new seeding. The proximity to the ditch makes nutrient escape to the water an issue.

Recommend the applicant do a soil test to see if fertilizer is necessary to establish plant growth on the seeded areas.

This project does meet District standards. Performance Escrows and Water Quality items must be submitted prior to issuance of a Permit.

Staff recommendation was to Approve with 2 Stipulations.

1. Receipt of escrows of $2,700.00
2. Recommend the applicant do a soil test to see if fertilizer is necessary to establish plant growth on the seeded areas.

Staff recommendation to Approve with 2 Stipulations was moved by Bromley and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

8. Preserve @ Legacy Creek II: The purpose of this project is single family residential development North of 126th Ave NE, South of 131st Ave NE, and West of Tippecanoe St. NE, in Blaine, MN.

Staff recommendation was to Approve with 2 Stipulations.

1. Provide proof of recording for the Declaration of Restrictions and Covenants.
2. The applicant is to provide as-built elevations for the new culverts on the CD 59-7 alignment to verify they are placed within 0.2’ of the proposed elevations.

Staff recommendation to Approve with 2 Stipulations was moved by Hoffman and seconded by Johnson. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

9. Nightingale Street Reconstruction: The purpose of this project is reclaiming the existing roadway, select utility upgrades, trail construction, and paving new bituminous roadway surface along Nightingale St. NW between Crosstown Blvd. NW and 161st Ave NW in Andover, MN.

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

<table>
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<tr>
<th>ISSUES/CONCERNS</th>
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<tbody>
<tr>
<td>Escrows: Escrows have not been paid.</td>
<td>Performance Escrow; $1,500 + ($200*10 acres) + ($10 * 50 linear feet of ditch disturbance) = $4,500.00</td>
</tr>
<tr>
<td>Maintenance: The proposed project does</td>
<td>The applicant must acknowledge the Public</td>
</tr>
</tbody>
</table>
include a ditch maintenance easement or utility line crossings for CD 37. That easement is not shown on the grading plans.

| Stormwater & Hydraulics: | There are concerns with the n value used for CB 107 and the P₂ value used for FES 29 in Table B-2. These values differed from comparable design situations and were not clear if they were intended or were an error. Also, pipe diameter and slope information on the proposed utility details provided on the plans do not match values used in Table B-5 for the storm drainage pipe design. Errors in these calculations could result in incorrectly sized culverts and storm sewers. Lastly, information was not provided on culverts FES 35/36 and FES 50/51. | Correct inconsistencies found in labeling of pipes in plans versus Table B-2; discrepancies between the proposed utility details and Table B-5; and FES 35/36 and FES 50/51. |

This project does meet District standards. Performance Escrows, Maintenance and Stormwater & Hydraulics items must be submitted prior to issuance of a Permit.

Staff recommendation was to Approve with 3 Stipulations.
1. Receipt of escrows of $4,500.00
2. Correct inconsistencies found in labeling of pipes in plans versus Table B-2; discrepancies between the proposed utility details and Table B-5; and FES 35/36 and FES 50/51.
3. The applicant must acknowledge the Public Drainage easement over County Ditch 37.

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.

10. **NNG 2013 Maintenance:** The purpose of this project is remediate of pipeline with insufficient cover in CD 58, approximately 1500 feet upstream from Andover Blvd. on County Ditch 58 in Ham Lake, MN.

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

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<tr>
<td>Escrows: Escrows have not been paid.</td>
<td>Performance Escrow: $1500 + (2acres * 200/acre) + (100 LF of ditch * $10/LF) = $2,900.00</td>
</tr>
<tr>
<td>Maintenance: Elevations of the existing</td>
<td>As-built drawings with elevations will be</td>
</tr>
</tbody>
</table>
pipelines are unknown. The proposed activities include lowering the pipeline to provide a minimum of 4 feet cover; however, proposed top of pipe elevations are not included in the submittal. The proposed activities include lowering the pipeline to provide a minimum of 4 feet cover; however, proposed top of pipe elevations are not included in the submittal. required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above.

This project does meet District standards. Performance Escrows and Maintenance items must be submitted prior to issuance of a permit.

Staff recommendation was to Approve with 2 Stipulations.

1. Receipt of escrows of $2,900.00
2. As-built drawings with elevations will be required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above.

Staff recommendation to Approve with 2 Stipulations was moved by Johnson and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

11. Deacons Forest 4th: The purpose of this project is development of 9.4 acres for residential use North of Deacon’s Forest 3rd Addition in Section 9, in Blaine, MN.

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

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<tr>
<td>Soils &amp; Erosion Control:</td>
<td>Infiltration basins are protected from erosion and sedimentation during construction. However, the silt fence between the proposed houses and stormwater pond should be extended along the property line adjacent properties to the south.</td>
</tr>
<tr>
<td></td>
<td>Before grading, the silt fence between the proposed houses and the stormwater pond must be extended to Owatonna St. N.E. along the property line to protect adjacent properties to the south.</td>
</tr>
<tr>
<td></td>
<td>Provide a note on the grading plan or the erosion control plan that rough graded areas will be stabilized within 14 days.</td>
</tr>
</tbody>
</table>

This project does meet District standards. Soils & Erosion Control items must be submitted prior to issuance of a Permit.

Staff recommendation was to Approve with 2 Stipulations.

1. Before grading, the silt fence between the proposed houses and the stormwater pond must be extended to Owatonna St. N.E. along the property line to protect adjacent properties to the south.
2. Provide a note on the grading plan or the erosion control plan that rough graded areas will be stabilized within 14 days.
Staff recommendation to Approve with 2 Stipulations was moved by Johnson and seconded by Westlund. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

12. Water’s Edge at Club West: The purpose of this project is the re-plat of the property from multifamily into 14 single family homes near the intersection of Club West Parkway and 111th Ave. in Blaine, MN.

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

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<tr>
<td>Escrows: Escrows have not been paid.</td>
<td><strong>Performance Escrow:</strong> $1500 + (3 acre *200/acre) = $2,100.00</td>
</tr>
<tr>
<td>Maintenance: Drainage and utility easements are not proposed for the infiltration areas</td>
<td>The applicant must provide easements or provide proof of a fully executed and recorded O&amp;M agreement to the CCWD prior to issuance of a permit.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: The applicant must provide information showing what the actual depth is in each rain garden given a 1-inch storm and the drainage area affecting each rain garden and that it drains in 48 hours.</td>
<td>Provide stormwater calculations that show that the rain gardens drain within 48 hours.</td>
</tr>
</tbody>
</table>

This project does meet District standards. Performance Escrows and Maintenance and Stormwater & Hydraulics items must be submitted prior to issuance of a Permit.

Staff recommendation was to Table with 5 Stipulations.
1. Receipt of escrows of $2,100.00
2. Provide stormwater calculations that show that the rain gardens drain within 48 hours.
3. Provide appropriate erosion control over proposed infiltration BMPs to prevent clogging until fully established.
4. Provide adequate pre-treatment devices, with details, for the back of curb infiltration areas.
5. The applicant must provide easements or provide proof of a fully executed and recorded O&M agreement to the CCWD prior to issuance of a permit.

Staff recommendation to Table with 5 Stipulations was moved by Westlund and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

13. CSAH 11 (Northdale Blvd.) & CSAH 18 (Crooked Lake Blvd) Interchange Improvements: The purpose of this project is the addition of right turn lanes to improve
safety and rebuilding the existing storm sewer at the intersection of CSAH 11 (Northdale Blvd.) and CSAH 18 (Crooked Lake Blvd.) in the city of Coon Rapids, MN.

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

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<tr>
<td>Escrows: Escrows have not been paid.</td>
<td><strong>Performance Escrow:</strong> $1500 + (5 acre *200/acre) = $2,500.00</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading.</td>
<td>Update sheet 50 to note graded areas are to be vegetated within 7 days of the completion of grading consistent with the SWPPP narrative.</td>
</tr>
</tbody>
</table>

This project does meet District standards. Performance Escrows and Soils & Erosion Control items must be submitted prior to issuance of a Permit.

Staff recommendation was to Approve with 2 Stipulations.
1. Receipt of escrows of $2,500.00
2. Update sheet 50 to note graded areas are to be vegetated within 7 days of the completion of grading consistent with the SWPPP narrative.

Staff recommendation to Approve with 2 Stipulations was moved by Johnson and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

14. **Sentrum Corner:** The purpose of this project is the redevelopment of the existing bank site at NE corner of the intersection of Main St. NW and Round Lake Blvd. NW in Coon Rapids, MN.

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

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<tbody>
<tr>
<td>Escrows: Escrows have not been paid.</td>
<td><strong>Performance Escrow:</strong> $1,500 + ($200 * 3 acres) = $2,100.00</td>
</tr>
<tr>
<td>Stormwater &amp; 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.</td>
<td>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>Soils &amp; Erosion Stabilizing vegetation is not proposed for disturbed areas within two</td>
<td>Add note to erosion and sediment control plans C5.01 and C5.02 that within fourteen</td>
</tr>
</tbody>
</table>
weeks of rough grading.

The rain garden is not protected from erosion and sedimentation as shown on erosion and sediment control plan – phase II, C5.02. After initial grading, the District requires that infiltration basins be completely surrounded by erosion control measures to prevent the basin from clogging.

(14) days after final grading, permanent vegetation shall be seeded or sodded on all exposed areas.

Show erosion control measures surrounding the infiltration basin (rain garden) on the erosion and sediment control plan – phase II, C5.02.

**Water Quality:** Stormwater chamber detail #2 on C9.01 does not match the design in the HydroCAD chamber wizard. Detail shows 7.5” min inter-row spacing, chamber wizard says 12”. Detail shows 18” (6” of rock) cover over the chambers, chamber wizard says 24”. Because the model shows use of void space up to a peak elevation of 868.87’ with 24” cover, this should be corrected.

The emergency overflow discharge outlet elevation shown in model does not match plans. Outlet routing from the rain garden is unclear as to how it is being directed to the storm sewer/regional pond.

Existing catch basin shown for removal on the demolition plan C2.01 shows up on other drawings (C4.01, C5.02, C6.01, L1.01) in the bottom of the rain garden. Denote the catch basin as removed or do not show the catch basin to prevent confusion.

Correct the discrepancies between the HydroCAD chamber wizard and the detail on C9.01.

Provide clarification on outlet routing of infiltration basin (rain garden) and correct the outlet elevation discrepancies between the HydroCAD model and the grading plan, C4.01.

This project does not meet District standards. Escrows, Stormwater & Hydraulics and Soils & Erosion Control items must be submitted prior to further Board review.

Staff recommendation was to Table with 7 Stipulations.

1. Receipt of escrows of $2,100.00
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. Add note to erosion and sediment control plans C5.01 and C5.02 that within fourteen (14) days after final grading, permanent vegetation shall be seeded or sodded on all exposed areas.
4. Show erosion control measures surrounding the infiltration basin (rain garden) on the erosion and sediment control plan – phase II, C5.02.
5. Existing catch basin shown for removal on the demolition plan C2.01 shows up on other drawings (C4.01, C5.02, C6.01, L1.01) in the bottom of the rain garden. Denote the catch basin as removed or do not show the catch basin to prevent confusion.
6. Correct the discrepancies between the HydroCAD chamber wizard and the detail on C9.01.
7. Provide clarification on outlet routing of infiltration basin (rain garden) and correct the outlet elevation discrepancies between the HydroCAD model and the grading plan, C4.01.

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

DISCUSSION ITEMS
15. District Tour: The tour will be June 3rd leaving the office at 4:00PM. Discussion took place regarding the itinerary and invitations.

16. 2014 Budget: Preliminary Revenue Estimates: Kelly stated this is a review of policies, which are also included in the Comprehensive Plan. Impacts of tax increases on the budget are also included.

INFORMATIONAL ITEMS
17. New NPDES Permit: Kelly stated MPCA acted on the NPDES Permit last week and this will be effective August 1, 2013, with a few changes prior to that date. The District plan is due November 29, 2013.

18. Legislative Update: Kelly stated the Conference Committee had reallocated funds to ground water; however that was reversed before the end of the session. He said trends to watch include funding of 1 watershed/1 plan, which in the metropolitan area will be on a WMO basis. Watersheds will also be asked to be more involved with ground water. Kelly and Ulrich belong to a drainage group and the District must continue this involvement.

ADJOURN
The meeting adjourned at 8:18 PM on a motion by Hoffman and seconded by Bromley. Motion carried with five yea (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

_____________________________
Byron Westlund, President