COON CREEK WATERSHED DISTRICT
BOARD OF MANAGERS' MEETING
October 13, 2014

The Board of Managers of the Coon Creek Watershed District held their regular meeting on October 13, 2014, 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: Rebecca Haug, Ed Matthiesen, Michelle Ulrich, and Ben Underhill
Others: Tony & Ted Capra of Blaine, Darren Lazan of Landform Professional Services, Jim Lindahl- Anoka Conservation District Supervisor, Chuck Plow of Plowe Engineering, and Dale Sprouse of Blaine

2. Approval of the Agenda: Motion to approve the agenda was made by Hoffman and seconded by Johnson. Motion carried with four yeas (Hoffman, Johnson, Kearns, and Westlund) and no nays.

3. Open Mike: Dale Sprouse of 12880 Lexington in Blaine, MN, requested that the Board waive his $2,825.00 Performance Escrow for his culvert replacement project, which was approved July 28, 2014. He stated all of the work will be done on his property. Matthiesen stated if erosion control is in place, proper equipment and material are used, and revegetation is completed within 24 hours this request could be considered. Westlund and Johnson agreed the escrow could be waived if Dale contacted staff before work begins.

CONSENT AGENDA
4. Approve Minutes
5. Receive Staff Report
6. Receive Monthly Financial Statements
7. Approve Bills

<table>
<thead>
<tr>
<th>To</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-I Floor and Carpet Care Inc.</td>
<td>694.68</td>
</tr>
<tr>
<td>Anoka Conservation District</td>
<td>437.20</td>
</tr>
<tr>
<td>Anoka County</td>
<td>49,007.64</td>
</tr>
<tr>
<td>Anxon, Inc.</td>
<td>586.20</td>
</tr>
<tr>
<td>BWSR</td>
<td>82.00</td>
</tr>
<tr>
<td>Comcast</td>
<td>120.55</td>
</tr>
<tr>
<td>ECM Publishers</td>
<td>521.44</td>
</tr>
<tr>
<td>Flat Rock Geographics</td>
<td>7,327.16</td>
</tr>
<tr>
<td>Frontier Precision, Inc.</td>
<td>280.47</td>
</tr>
<tr>
<td>GreatAmerica Financial Services Corp.</td>
<td>387.99</td>
</tr>
<tr>
<td>Hanson Lake Developing</td>
<td>126.85</td>
</tr>
<tr>
<td>Rebecca Haug</td>
<td>290.08</td>
</tr>
</tbody>
</table>
Hewlett-Packard Financial Services  
Company  
TJ Helgeson  64.62  
Jon Janke  234.85  
Jive Communications, Inc.  294.11  
David Johnson  1,475.00  
KWC Investment III, LLC  3,563.03  
Tim Kelly  117.88  
Kingdom Partner Properties  1,983.20  
Landscape Direction  54,835.93  
Metro Sales, Inc.  832.00  
Metropolitan Transportation Network, Inc.  3,182.05  
P&C Tree Service  32,025.00  
Ryan Companies Us, Inc  2,626.85  
Shadow Ponds LLC  276.00  
Solution Builders, Inc.  1,558.01  
USBank  160.30  
M Ulrich  4,212.25  
Ben Underhill  162.40  
Verison  226.40  
Wenck Associates, Inc.  32,529.14

200,463.53

Motion to Approve Consent Agenda Items 4-7 was moved by Johnson and seconded by Hoffman. Motion carried with five yea (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

POLICY ITEMS: None

PERMIT ITEMS
8. B & D Estates: The purpose of this project is development of 26 residential lots on 7.6 acres at 139th Avenue E of intersection of Bunker Lake Blvd. and Hanson Blvd. NE in Andover, MN.

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

<table>
<thead>
<tr>
<th>Escrows: $2,000 + (7.64 ac * $500/ac) =</th>
<th>1. Receipt of escrows.</th>
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<td>$5,820.00</td>
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Staff recommendation is to Approve with 1 Stipulation:
1. Receipt of escrows of $5,820.00.

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

9. Clocktower Commons: The purpose of this project is the development, which will consist of constructing two new commercial buildings including paving, curbing, utilities,
landscaping, stormwater infiltration systems and reconstruction of public trail at 15170 Bluebird St. NW and 15216 Bluebird St. NW at the intersection of Hanson Blvd. W and Crosstown Blvd. NW in Andover, Mn.

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

| Stormwater & Hydraulics: Based on the submitted HydroCAD modeling, the applicant is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. However, the watersheds for the commercial development were modeled utilizing a composite CN (curve number) and instead should model the impervious and pervious areas separately. Also, the existing conditions CN for the undeveloped areas are modeled as a curve number of 39. The proposed condition utilizes the CN of 39 for pervious areas. It is likely that the CN of 39 is not realistic due to large equipment compacting the area and topsoil used in the pervious areas. Although the underlying soils are Type A in this area, the proposed conditions model should use a CN of Soil Type B for pervious areas due to the construction activities at the site, or provide a description of how disturbed pervious area soils will maintain the soil properties represented by the CN of 39 for post construction conditions. | 1. Make the following adjustments to the Proposed HydroCAD model.  
   a. Select the model setting that calculates runoff for separate pervious and impervious areas.  
   b. For proposed conditions modeling, use a CN of soil Type B due to topsoil and site compaction due to construction, or provide a detailed explanation on how the proposed site soils will achieve the soil characteristics represented by the CN of 39 post construction.  
   c. Correct the watershed boundary for Node 7S which is the watershed for Retention Basin D.  
   d. Provide stormwater runoff calculations that show the site is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. |
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<tr>
<td>The proposed watershed delineation for model node 7S, watershed to retention basin D, only includes the runoff from the building roof and does not include the direct runoff surrounding and encompassing the infiltration basin itself. This will impact the HWL of the basin which needs to be evaluated for the low floor elevation.</td>
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</table>
underground infiltration systems. 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.

**Water Quality:** There are 4 foot sumps proposed in the catch basin structures prior to discharge into the infiltration ponds and underground systems (CB 101, CB 201, CB 301). A SAFL baffle should also be installed with the sumps at CB 101 and CB 201. A sump and SAFL baffle should also be installed at CB 202. Applicant can use SHSAM modeling software to model the sumps with SAFL baffle to show they provide 70% TSS removal.

3. A SAFL baffle should be included with the pretreatment sumps at CB 101 and CB 201. Also include a 4 foot sump with SAFL baffle at CB 202. Use SHSAM modeling software to show the proposed sumps with SAFL baffles achieve 70% TSS removal.

**Soils & Erosion Control:** 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 basins from clogging.

4. After initial grading completely surrounded the proposed infiltration basins with erosion control measures to prevent the basin from clogging.

5. Include a drainage and utility easement on the plans which encompasses the two proposed retention basins and the two underground infiltration systems.

6. Provide a note on the “erosion prevention and sediment control notes” that states, disturbed areas will be stabilized with vegetation within two weeks of rough grading.

**Escrow:** $2,000 + (4.01 ac * $500) = $4,005.00

7. Receipt of escrows.

Staff recommendation was to Table with 7 Stipulations:
1. Receipt of escrows of $4,005.00.
2. The applicant must acknowledge that they will conduct a post construction test on the infiltration basins and underground infiltration systems by filling them 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. After initial grading completely surrounded the proposed infiltration basins with erosion control measures to prevent the basin from clogging.

4. Make the following adjustments to the Proposed HydroCAD model.
   a. Select the model setting that calculates runoff for separate pervious and impervious areas.
   b. For proposed conditions modeling, use a CN of soil Type B due to topsoil and site compaction due to construction, or provide a detailed explanation on how the proposed site soils will achieve the soil characteristics represented by the CN of 39 post construction.
   c. Correct the watershed boundary for Node 7S which is the watershed for Retention Basin D.
   d. Provide stormwater runoff calculations that show the site is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation.

5. A SAFL baffle should be included with the pretreatment sumps at CB 101 and CB 201. Also include a 4 foot sump with SAFL baffle at CB 202. Use SHSAM modeling software to show the proposed sumps with SAFL baffles achieve 70% TSS removal.

6. Include a drainage and utility easement on the plans which encompasses the two proposed retention basins and the two underground infiltration systems.

7. Provide a note on the “erosion prevention and sediment control notes” that states, disturbed areas will be stabilized with vegetation within two weeks of rough grading.

Lazan explained volume requirements were submitted today and provided the Board with a history of this project. He also stated they have city approvals and would like to begin grading yet this fall.

Motion Allowing grading to move forward and have revisions to the District by noon October 15, 2014 for the Board meeting in 2 weeks was moved by Westlund and seconded by Johnson. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

10. Club West Commons Building: The purpose of this project is the construction of a new commercial building (13,111 sq. ft.) with a parking lot at Club West Parkway NE and 109th Ave NE in Blaine, MN.

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

<table>
<thead>
<tr>
<th>Stormwater &amp; Hydraulics:</th>
<th>1. Provide stormwater runoff calculations that show the entire site is meeting the volume management requirement equivalent to</th>
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<tbody>
<tr>
<td>The calculations submitted provide treatment for only a fraction of the proposed impervious area. Therefore, the</td>
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applicant is not meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation over new impervious areas. All projects in the Coon Creek Watershed District must meet this requirement. If applicants cannot meet this requirement due to site constraints in its entirety, they must meet it to the greatest extent practical and explain why it cannot be met.

<table>
<thead>
<tr>
<th>The applicant must provide a statement that states 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.</th>
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<tbody>
<tr>
<td>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.</td>
</tr>
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</table>

**Soils & Erosion Control:** 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.

<table>
<thead>
<tr>
<th>There is no statement on the grading/erosion control plan that states that stabilizing vegetation is proposed within 14 days of rough grading. This statement must be provided on the plan.</th>
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<tr>
<td>3. After initial grading completely surrounded the proposed infiltration basins with erosion control measures to prevent the basin from clogging.</td>
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</table>

The curb cut drainage into the infiltration basin needs to be linked to some pretreatment in order to trap sediments prior to discharging into the basin. This will greatly increase the performance and functional life of the basin.

<table>
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<th>The curb cut drainage into the infiltration basin needs to be linked to some pretreatment in order to trap sediments prior to discharging into the basin. This will greatly increase the performance and functional life of the basin.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Provide a statement on the grading/erosion control plan that states that stabilizing vegetation is proposed within 14 days of rough grading.</td>
</tr>
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**Maintenance:** There is no identifiable

<table>
<thead>
<tr>
<th>Maintenance: There is no identifiable</th>
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<tr>
<td>5. Provide pretreatment for stormwater runoff discharging into the infiltration basin. One example of pretreatment would be to use Anoka Conservation District’s Rain Guardian.</td>
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</tbody>
</table>

| 6. Provide an identifiable easement for |
utility easement for the proposed infiltration basin. A utility easement must be provided.

| Escrows: $2,000 + (1.27 * $500) = $2,632.50 | 7. Receipt of escrows. |

Staff recommendation was to Table with 7 Stipulations:

1. Receipt of escrows of $2,632.50.
2. Provide stormwater runoff calculations that show the entire site is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. If this cannot be achieved, then an explanation as to why it cannot be achieved must be provided.
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. After initial grading completely surrounded the proposed infiltration basins with erosion control measures to prevent the basin from clogging.
5. Provide a statement on the grading/erosion control plan that states that stabilizing vegetation is proposed within 14 days of rough grading.
6. Provide pretreatment for stormwater runoff discharging into the infiltration basin. One example of pretreatment would be to use Anoka Conservation District’s Rain Guardian.
7. Provide an identifiable easement for the infiltration basin on the plans.

Plowe stated that revisions are ready for submittal.

Motion to Approve with all Stipulations noted, but Issuance of a Permit is contingent upon Staff’s Acceptance of Revisions, was moved by Johnson and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund), and no nays.

Johnson requested an update of the project at the next meeting.

**11. Hanson Blvd. & 121st Ave. Drainage:** The purpose of this project is drainage improvements on existing pond system at the intersection of Hanson Blvd. NW and 121st Ave. NW in Coon Rapids, MN.

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

| Soils & Erosion Control: An erosion control plan was not provided. | 1. Provide an erosion control plan. On the plan be sure to add statement that disturbed areas will be stabilized with stabilizing vegetation within 14 days. |
Escrow: $2,000 + (.07 ac * $500) = $2,035.00

<table>
<thead>
<tr>
<th>Escrow: $2,000 + (.07 ac * $500) = $2,035.00</th>
<th>2. Receipt of escrows.</th>
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</thead>
</table>

Staff recommendation was to Approve with 2 Stipulations:

1. Receipt of escrows of $2,035.00.
2. Provide an erosion control plan. On the plan be sure to add statement that disturbed areas will be stabilized with stabilizing vegetation within 14 days.

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.

12. **Oak Meadows:** The purpose of this project is residential development of 27 lots S of 130th Ave NE between Radisson Road (52) and Central Ave NE (65) in Blaine, MN.

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

<table>
<thead>
<tr>
<th>The detail shown on the drawing for the outlet structure to the Pond 1 still does not represent what is modeled in HydroCAD or what was discussed. The inlet and outlet pipes, as well as the weir need to be shown with elevations.</th>
<th>1. Update outlet structure to show inlet pipe water quality control weir and outlet pipe. Include elevation references for all.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrow: $2,000 + (7.5 ac * $500/ac) = $5,750</td>
<td>2. Receipt of escrow</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 2 Stipulations:

1. Receipt of escrows of $5,750.00
2. Update outlet structure to show inlet pipe water quality control weir and outlet pipe. Include elevation references for all.

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

13. **Voice of Hope Church Parking Lot:** The purpose of this project is expansion of a parking lot at 13850 Lincoln St. NE in Ham Lake, MN.

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

<table>
<thead>
<tr>
<th>Escrows: $2,000 + (0.18 ac * $500/ac) = $2,090.00</th>
<th>1. Receipt of escrows.</th>
</tr>
</thead>
</table>

Staff recommendation was to Approve with 2 Stipulations:

1. Receipt of escrows of $2,090.00.
Haug noted that the Voice of Hope Church has requested that this project be placed on hold.

Staff recommendation to Table at the request of the Applicant was moved by Johnson and seconded by Hoffman. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

**DISCUSSION ITEMS**

**INFORMATIONAL ITEMS**

14. **Metro Water Management Act Rule Update out for Public Comment:** Ulrich updated the Board.

15. **In Packet 2014 Charitable Campaign Information:**

**ADJOURN**

The meeting adjourned at 8:00 PM on a motion by Hoffman and seconded by Bromley. Motion carried with five yeas (Bromley, Hoffman, Johnson, Kearns, and Westlund) and no nays.

Byron Westlund, President