COON CREEK WATERSHED DISTRICT
BOARD OF MANAGERS' MEETING
July 22, 2019

The Board of Managers of the Coon Creek Watershed District held their regular meeting on July 22, 2019 at the Bunker Hills Activity Center in Andover, MN.

1. Call to Order: The meeting was called to order at 5:30 PM
Staff: Matt Danzl, Justine Dauphinais, Dawn Doering, Jon Janke, Ed Matthiesen – District Engineer, Michelle Ulrich - District Attorney

2. Approval of the Agenda: Wilder made a motion to move Items # 9– Doug Paulson Permit Review, and #13 - 5th Avenue Recon Naples to Lexington Permit Review to the Consent Agenda, and to add another Permit Item to the agenda for PAN 19-124-AutoZone. Seconded by Hoffman. Motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

Wilder moved to Approve the Amended Agenda. Seconded by McCullough. Motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

3. Announcements: Wilder announced that this is the last meeting at the Bunker Hills Activity Center after more than 30 years; thank you Anoka County Parks for providing us with great service all these years.

4. Open Mike: No one present

CONSENT ITEMS
5. Approval of Minutes of July 8, 2019
9. Doug Paulson: The purpose of this project is to replace stairs, construct retaining wall, garage, and additions to the house located at 10550 Mississippi Blvd., Coon Rapids, MN.

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 + (0.09 ac * $500/ac = $2,045.00</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. Provide erosion control plan with requirement to stabilize disturbed areas within 7 days of rough grading or inactivity.</td>
</tr>
<tr>
<td>District requires the use of double row of perimeter control at</td>
<td>3. Update erosion control plan to</td>
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</table>
waterbodies/creeks/wetlands. provide double row of silt fence at bluff.

Staff recommendation was to Approve with 3 Stipulations as follows:
1. Receipt of escrows.
2. Update erosion control plan to stabilize vegetation within 7 days of rough grading or inactivity.
3. Update erosion control plan to provide double row of silt fence at bluff.

13. 155th Avenue Recon Naples to Lexington: The purpose of this project is to upgrade approximately 7,995 feet of 155th Avenue in Ham Lake to a 24-foot wide, 4-foot gravel shoulders located at 155th Avenue from Naples Street to Lexington Avenue.

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

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td><strong>Escrows:</strong> $2,000 + (7.64 ac * $500/ac = $5,820</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td><strong>Wetlands:</strong> Wetland credits are not proposed to be purchased to replace the wetland impacts. Wetland impacts are proposed to be replaced through the LGRWRP.</td>
<td>2. Provide proof of wetland credits withdrawal by the LGRWRP.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 2 Stipulations as follows:
1. Receipt of escrows.
2. Provide proof of wetland credits withdrawal by the LGRWRP.

PERMIT ITEMS – reviewed before Policy Items due to addition of AutoZone at Board Meeting

9. Doug Paulson: moved to Consent Agenda

13A: AutoZone: The purpose of this project is construction of new 7,150sf building and parking lot on a 1.13 acre lot located at 15633 Highway 65 NE, Ham Lake, MN.

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

<table>
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<tbody>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> Existing drainage area maps show 2 catchment areas while proposed drainage map shows 4. The models only show 1 for existing conditions and 2 for proposed conditions. It is unclear what the underground</td>
<td>1. Provide updated maps showing the delineated existing and proposed drainage areas to match the models. 2. Provide details on the underground stormwater management system.</td>
</tr>
</tbody>
</table>
stormwater system is.

**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.

| 3. Provide an O&M Agreement that meets District requirements. |

Staff recommendation was to Approve with 3 Stipulations:

1. Provide updated maps showing the delineated existing and proposed drainage areas to match the models.
2. Provide details on the underground stormwater management system.
3. Provide an O&M Agreement that meets District requirements.

Motion to Approve with 3 Stipulations was moved by Herbst and seconded by Hoffman. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

10. Goertz Culvert Installation: The purpose of this project is a culvert replacement located at 3915 133rd Ln NE, Ham Lake, MN 55304.

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Escrows:</strong> $2,000 + (0.05 ac * $500/ac) = $2,022.50</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> The technical assistant indicated installation of an 18” CMP with a total length of 30 FT. Revision submitted indicated the CMP will be 25 FT in total. It is unclear if the diameter is also being modified to 24”. LIDAR topography indicates a road crossing elevation of approximately 896.5 which results in a cover depth of 1.6 feet based on the profile.</td>
<td>2. Clarify the revised pipe size and length.</td>
</tr>
<tr>
<td></td>
<td>3. Confirm that the culvert cover and backfill are placed and compacted properly based on vendor specifications.</td>
</tr>
</tbody>
</table>

Staff recommendation was to Approve with 4 Stipulations as follows:

1. Receipt of escrows.
2. Clarify the revised pipe size and length.
3. Confirm that the culvert cover and backfill are placed and compacted properly based on vendor specifications.
4. Provide an erosion control plan that complies with District rules.

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

11. North Central Office Plaza: The purpose of this project is a 45,090 square feet building and parking on a 1.85-acre lot located Ulysses Street north of 117th Avenue and west of 118th Avenue, Blaine, MN.

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

<table>
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<tbody>
<tr>
<td>Escrows: $2,000 + (1.25 ac * $500/ac) = $2,625.00</td>
<td>3. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: The HydroCAD model provided indicates how much storage the basins are providing. However, the model does not indicate the volume of stormwater that is filtered during the storm events. The watershed District requires an accurate accounting of the amount of water over impervious surface is getting treated and will require more detail in the calculation so we can see more clearly what is being treated and what is bypassing. Please add the filtration outflow from the drain tile into the HydroCAD as an outlet to account for the volume of water filtered. The elevations for the proposed filtration basins are not shown on the plans. Please call out the elevation of the filtration basins in the plans and the details for us to review.</td>
<td>4. Add the draintile system as an outlet from the filtration basins so the district can verify the volume of water being treated is in conformance with the District requirements.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control. The current proposed details shows the filtration area cross section that includes 4” of 80/20% sand to compost mix and 14” of iron enhanced sand. The sand compost mix is not used on top of iron sand. If it is used, 90/10 would be the very upper end to prevent clogging. Add the</td>
<td>5. Provide additional details for filtration basin including elevations of the filtration systems and the surface and bottom elevations of the basins.</td>
</tr>
<tr>
<td></td>
<td>6. Provide revised details for the filter area and draintile cross section.</td>
</tr>
</tbody>
</table>
following design suggestions to the filtration details:

- Do not place geotextile fabric between media
- Specify a drain tile embedded in a section of filter rock with no sock
- Please combine your detail 4/C5 and 1/C5 to show that the drain tile is encased in the filter rock and the iron sand. This will clarify for proper construction in the field
- Show elevations and dimensions in the details

Water Quality: Please revise HydroCAD as previously commented. This will provide the calculations necessary to reflect the volume of water being treated in the filter system.

7. Provide revised HydroCAD Model.

Staff recommendation was to Approve with 5 Stipulations as follows:

1. Receipt of escrows.
2. Add the drain tile system as an outlet from the filtration basins so the district can verify the volume of water being treated is in conformance with the District requirements.
3. Provide additional details for filtration basin including elevations of the filtration systems and the surface and bottom elevations of the basins.
4. Provide revised details for the filter area and drain tile cross section.
5. Provide revised HydroCAD Model.

Motion to Approve with 5 Stipulations was moved by Wilder and seconded by McCullough. The motion carried with five yea (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

12. Red Mill Retail: The purpose of this project is the construction of a new retail/restaurant building within an existing parking lot located 3200 Main Street, Coon Rapids, MN 55448.

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

<table>
<thead>
<tr>
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<th>NEED</th>
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</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (1.48 ac * $500/ac = $2,740.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydraulics: The applicant is meeting the volume management requirement equivalent to</td>
<td>2. Revise the design of the rain gardens/infiltration basins to meet the volume management requirement. If the</td>
</tr>
</tbody>
</table>
infiltrating runoff from the first inch of precipitation. However, the 1.1-inch volume required by the City is not met.

Calculations were provided to illustrate that the 1.1-inch volume management requirement is achieved below the outlet of the stormwater feature but are not correct. 50,694 SF of impervious is proposed. The 1.1” volume = 4,647 CF. Based on the HydroCAD model, 4,630 CF of volume is provided by the infiltration basins.

An infiltration rate of 1.63 in/hr was used in the HydroCAD model. The soil borings indicate SP and SM soils within the proposed basins.

Discrepancies were found in elevations shown on the construction plans and in the HydroCAD model.

HWL of the infiltration basins not shown on the construction plans.

The Stormwater management plan indicates that Rain Guardians will be installed for pretreatment to the infiltration basins. However, the construction plans only show curb cuts with rip rap.

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

required volume cannot be met in its entirety due to site constraints, they must meet it to the greatest extent practical and explain why it cannot be met.

3. Update calculations in the Stormwater Management Plan to illustrate the 1.1-inch infiltration volume requirements are met below the outlet.

4. Lower the infiltration rate used in the HydroCAD model to be consistent with the recommended SP/SM infiltration rates provided in the Geotechnical Report.

5. Revise the construction plans or HydroCAD model to fix the following discrepancies:
   a. Infiltration basin 1: OCS 201 rim elevation is 869.55’ on the plans and 868.90’ in the HydroCAD model.
   b. Infiltration basin 4: OCS 204 rim elevation is 869.00’ on the plans and 868.90’ in the HydroCAD.

6. Revise the construction plans with the following:
   a. Label the HWL for each infiltration basin on the construction plans.
   b. Provide callouts with locations and elevations for the Rain Guardians on the construction plans.
   c. Provide a detail for the Rain Guardians.

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.
| **Maintenance:** A maintenance agreement has not been executed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice. | 8. Provide an O&M Agreement that meets District requirements. |

Staff recommendation was to Table with 8 Stipulations as follows:

1. Receipt of escrows.
2. Revise the design of the rain gardens/infiltration basins to meet the volume management requirement. If the required volume cannot be met in its entirety due to site constraints, they must meet it to the greatest extent practical and explain why it cannot be met.
3. Update calculations in the Stormwater Management Plan to illustrate the 1.1-inch infiltration volume requirements are met below the outlet.
4. Lower the infiltration rate used in the HydroCAD model to be consistent with the recommended SP/SM infiltration rates provided in the Geotechnical Report.
5. Revise the construction plans or HydroCAD model to fix the following discrepancies:
   a. Infiltration basin 1: OCS 201 rim elevation is 869.55’ on the plans and 868.90’ in the HydroCAD model.
   b. Infiltration basin 4: OCS 204 rim elevation is 869.00’ on the plans and 868.90’ in the HydroCAD.
6. Revise the construction plans with the following:
   a. Label the HWL for each infiltration basin on the construction plans.
   b. Provide callouts with locations and elevations for the Rain Guardians on the construction plans.
   c. Provide a detail for the Rain Guardians.
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.

**Note:** Consider connecting the concrete “throat” and RainGuardian Turret with rebar or dowels. Wenck staff has noticed joint separation after installation such that water bypasses the RainGuardian.

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

13. 155th Avenue Recon Naples to Lexington: moved to Consent Agenda.

**POLICY ITEMS**

6. **Request to Seek Bids on Woodcrest Creek Biochar/Iron-Enhanced Sand Filter Project:** Janke presented background on the project in Coon Rapids that was on the
6-17-2019 Board Tour and is requesting the Board to authorize staff to seek construction bids for project budgeted at $295,986.50. This is a grant-funded project from the Anoka County One Watershed Plan funded by BWSR via Clean Water Legacy Fund.

Motion to authorize staff to seek bids was given by Wilder and seconded by Hoffman. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

7. Request to Seek Bids on Pleasure Creek Biochar/Iron-Enhanced Sand Filter Project: Janke presented background on this project in Blaine and is requesting the Board to authorize staff to seek construction bids for project budgeted at $88,392.50. This is a grant-funded project from the Anoka County One Watershed Plan funded by BWSR via Clean Water Legacy Fund.

Motion to authorize staff to seek bids was given by Hoffman and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

8. Request to Seek Quotes on Ditch 57 Andover Blvd Bank Stabilization Project: Janke presented background on this project in Andover and is requesting the Board to authorize staff to seek quotes from pre-qualified contractors. The project is budgeted at $56,000. The District follows the uniform municipal contracting law which requires obtaining two or more quotes for projects estimated between $25,000 and $175,000.

There is 1 affected property for this project; a cooperators agreement will be executed prior to issuing a notice to proceed.

Motion to authorize staff to seek quotes from pre-qualified contractors was given by Hoffman and seconded by Herbst. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

DISCUSSION ITEMS


Kreun mentioned he had spoken with Kelly before his vacation and prior to seeing the staff report that has different Program Cost numbers from the July 8 meeting.

Discussion included concerns about the decrease in program costs. Kreun asked if the decrease in ditch repair costs is sustainable, other than unforeseen repairs. Janke responded to questions regarding the decrease in operating costs attributable to ditch maintenance costs decreasing as the District caught up with pressing needs.
The discussion returned to the viability for two or three additional employees. The Board asked staff about the grant numbers forecasted and Dauphinais responded what she knew of grant revenue of current projects that carry over because they are multi-year projects.

Ulrich suggested the Board discuss number details at the next Board meeting when Kelly is present.

McCullough was asked for input and he is uncomfortable with any taxpayer dollars being spent. He is still trying to understand why the District is involved with permitting.

Hoffman spoke up about how the District has always been very efficient in its staffing. He wondered if money could be used from another part of the budget if needed? He directed his question to Ulrich. She responded that the levy could be changed in cases of emergency.

Hoffman is comfortable moving forward with two new staff, not three. Herbst is comfortable if their start dates are staggered.

Kreun doesn’t want to add two staff now with the 4% increase to budget if it means a 15% increase in near future. He wants to keep increases as low as possible. He can see moving ahead to budget including two new staff members but reserves the right to change his mind if it causes the budget to increase too much.

Motion to include monies in the 2020 budget for two of the proposed positions was given by Herbst and seconded by Wilder. The motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

15. Chloride Study Final Report: Dauphinais gave a short presentation on the study background and results, highlighting the crucial areas of the southern part of the District having the highest chloride pollution. She also reported on next steps including continuation of monitoring to get basic data during the summer, and planned, targeted education and outreach.

16. MAWD Request for Resolutions: Doering asked if the Board had any resolutions to bring to MAWD and none were brought up nor discussed.

INFORMATIONAL ITEMS
17. Update on Office Building: Doering noted the flooring is in, doors are up, security is getting installed, and moving plans are in full force thanks to Administrative Coordinator, Corinne Elfelt.

18. Merger of Official Papers: Doering noted that 2 of the 3 local newspapers needed to cover the District for official notices have merged. This will provide a small reduction in cost for public notices and bid such as approved earlier in the evening.
ADJOURN
The meeting adjourned at 6:42 PM on a motion by Wilder, seconded by Hoffman. Motion carried with five yeas (Herbst, Hoffman, Kreun, McCullough and Wilder) and no nays.

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Anthony Wilder, President