COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 23, 2019
AGENDA NUMBER: 12
FILE NUMBER: 19-166
ITEM: Anoka Conservation District Pole Shed

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: ANOKA CONSERVATION DISTRICT
1318 MCKAY DR., SUITE 300
HAM LAKE, MN

PURPOSE: CONSTRUCTION OF 40 X 56 POLE SHED
8 ACRE PROPERTY
3500 SQ. FT. DISTURBED FOR 2,240 SQ. FT. BLDG

LOCATION: West of Highway 65 NE, south of McKay Drive NE. in
Ham Lake, Minnesota
APPLICABILITY:
1. Any work in or adjacent to wetlands, lakes or water courses
2. The lands and waters that have been, or may be covered by the regional flood.
3. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Land Uses)
4. High water table, outwash and organic soils
5. High infiltration soils
6. Highly erodible soils
7. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Grading and Erosion Control Plan set (2 sheets); by Anoka Conservation District, dated 9/10/19, received 9/11/19.
2. Stormwater Calculations; by Anoka Conservation District, dated 9/10/19, received 9/11/19.
PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:
Pre-application Meeting: The project as submitted has not received a general review during a pre-application meeting.

Ditches: There is not a public ditch on the property.

Ditch Hydraulics: A crossing of the ditch is not proposed.

Erosion and Sediment Control: Soils affected by the proposal are Zimmerman.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss and have a note to stabilize within seven (7) days of inactivity.
- Adjacent properties and stormwater ponds are protected from sediment deposition. Double row of perimeter control at waterbodies/creeks/wetlands is not provided.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
- All storm sewer inlets are protected from sediment-laden water during construction.
- All work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
- Provisions have been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.
- Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.
- Construction entrance points are clearly located on the erosion and sediment control plan.
- The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
- Details provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does exist on site. The project does not require dewatering.

Floodplain: There is floodplain on the property according to the District model. The District’s floodplain elevation is at 888.13 feet. The project does not propose to place fill within the floodplain. Compensatory storage is not needed. There are no flooding concerns upstream or downstream.
High Water Flooding: Information has been provided to substantiate low floor elevations

Groundwater: Geotechnical information has not been collected. High groundwater conditions are expected and the building is planned as a slab on grade structure.

The project site is not within the Emergency Response Area/10 Year Well Head Protection Area/Drinking Water Supply Management Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

Historic Sites: The proposed project does not include sites of historic or archeological significance.

Local Planning & Zoning: The proposed project is consistent with local planning and zoning. There is an approved local water plan.

Maintenance: The stormwater treatment practice consists of a vegetated buffer.

A maintenance agreement is not needed.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required. A maintenance access to all storm water management features is not provided.

Stormwater & Hydrology: Infiltration is not allowed within the project area due to high water table conditions. The 1-inch infiltration is not achieved. The stormwater management system utilizes a vegetated buffer.

Drainage sensitive uses exist downstream from the proposed site. The rate of post-development runoff from the site does not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses. Properties and waterways downstream from the project are protected from erosion due to increases in the volume, velocity and peak water flow rates of stormwater runoff. Concentrated storm water leaving a site is not discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. All on-site constructed storm water conveyance channels are constructed to withstand the expected velocity from a 2-year frequency storm without erosion.

Water Quality: The proposed project does not cause an exceedance of State water quality standards. The project does not contribute to the adverse impact of wetlands through inundation or volume of flow. All work adjacent to wetlands, waterbodies and water conveyance systems are not protected from erosion. The proposal will not detrimentally affect the existing water quality of the receiving water. The proposal will not cause extreme fluctuations of water levels or temperature changes.
Impairments: This project is not within one (1) mile of and drains to an Impaired Water.

There are 2,240 square feet of new impervious surfaces proposed as part of this project.

Wetlands: Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have been delineated. The most recent delineation was approved on 12/31/2018. The wetland boundary has been checked.

The wetland is not a DNR protected water.

The total proposed wetland impact is 0 square feet.

The applicant does not need to contact the DNR area hydrologist and the Corps of Engineers.

Wetland Replacement Plan: A wetland replacement plan has not been submitted and is not required.

Wildlife: The proposed project does not include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

The applicant has not contacted the MDNR natural heritage or endangered species program and it is not required.

Performance Escrow: $2,040.00

Wetland Escrow: $ N/A

There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (0.08 ac * $500/ac = $2,040.00)</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydrology: The project does not meet the 1” infiltration requirement.</td>
<td>2. Till in 4’’ to 6’’ of peat/topsoil that has been stockpiled into the top 9’’ to 12’’ of soil in a strip 10’ wide for the length of the building on the south side and seed or sod.</td>
</tr>
<tr>
<td>Drainage sensitive uses exist downstream from the proposed site. Peak flows are attenuated by the wetland to the south and the culverts that exist prior to those land uses.</td>
<td></td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Erosion control along wetland boundary is insufficient.</td>
<td>3. Provide double row of sediment control on south side of project to protect the wetland.</td>
</tr>
</tbody>
</table>
RECOMMENDATION: Approve with 3 Stipulations

Stipulations:
1. Receipt of escrows.
2. Till in 4” to 6” of peat/topsoil that has been stockpiled into the top 9” to 12” of soil in a strip 10’ wide for the length of the building on the south side and seed or sod.
3. Update plans to show double row of sediment control on south side of project to protect the wetland.