COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: 7/11/2019
AGENDA NUMBER: 9
FILE NUMBER: 19-135
ITEM: Doug Paulson

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Doug Paulson
10550 Mississippi Blvd.
Coon Rapids, MN 55433

PURPOSE: Replace stairs, construct retaining wall, garage, and additions to the house

LOCATION: 10550 Mississippi Blvd.
Coon Rapids, MN 55433
APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. The lands and waters that have been, or may be covered by the regional flood.
4. High infiltration soils
5. Highly erodible soils
6. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:

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

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

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 837.3 feet. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream or downstream.

Groundwater: Geotechnical information has not been provided.

The project site is 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: It is unclear whether the proposed project is consistent with local planning and zoning. There is an approved local water plan.
**Maintenance:** No Stormwater Management features or treatment practices are proposed.

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 allowed within the project area. The 1-inch infiltration is not achieved.

Drainage sensitive uses do not exist downstream from the proposed site. 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 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 for buffer strip < 25 ft. 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 within one (1) mile of and drains to an Impaired Water. The Impaired Water is Mississippi River. Mississippi River is impaired for Aquatic Life, Aquatic Recreation and Aquatic Consumption. The major stressors are Fecal Coliform, Nutrients, PCB-F and Mercury.. There is an EPA approved Total Maximum Daily Load (TMDL) for this water.

There are new impervious surfaces proposed as part of this project. The proposed impervious areas are a garage and home additions and all are set back a mimimum 88.5 feet from the top of the bluff.

**Wetlands:** Wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated and do not need to be.

**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 does not need to.
If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species will occur.

**Performance Escrow:** $2,045.00
**Wetland Escrow:** $N/A
There are ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td><strong>Escrows:</strong> $2,000 + (0.09 ac * $500/ac = $2,045.00</td>
<td>1. Receipt of escrows.</td>
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<td><strong>Soils &amp; Erosion Control:</strong> 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>
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<td>District requires the use of double row of perimeter control at waterbodies/creeks/wetlands.</td>
<td>3. Update erosion control plan to provide double row of silt fence at bluff.</td>
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**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**
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.