COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 8, 2019
AGENDA NUMBER: 18
FILE NUMBER: 19-129
ITEM: Voss-Newman

RECOMMENDATION: Table with 6 Stipulations

APPLICANT: Kay Voss
10820 Mississippi Blvd NW
Coon Rapids, MN 55433

PURPOSE: Remove and replace existing timber wall with boulder and riprap and dispose of failing walls
1.2 ACRE LOT

LOCATION: 10820 Mississippi Blvd NW
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 water table, outwash and organic soils
5. High infiltration soils
6. Highly erodible soils
7. Excavation or filling or a combination of excavation and filling of sand or other excavation or fill material including the laying, repairing, replacing or enlarging of a culvert or an underground pipe or facility where it crosses a public ditch or waters of the state.
8. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Landscape plan (1 sheets); by Two Designs, dated 6/24/2019, received 6/24/2019.

PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:
Pre-application Meeting: The project as submitted has 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 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 do 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 at waterbodies/creeks/wetlands.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity. (Only applies if project is > 5 acres).
- Stabilization adequate to prevent erosion has not been provided at the outlets of all storm sewer pipes. Check outlets into stormwater practices. Into CD.
- All storm sewer inlets are not protected from sediment-laden water during construction.
- All work adjacent to water or related resource has not 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 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 FEMA. The FEMA floodplain elevation is approximately 838.5 feet. The project does propose to place fill within the floodplain. The total floodplain impact is 123 Cubic Yards. The proposed impact is within the floodway. One hundred seven (107) Cubic Yards of compensatory storage is provided for a net floodway fill of 16 cubic yards. There are no flooding concerns upstream or downstream.
**Groundwater:** No geotechnical information is provided.

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 not consistent with local planning and zoning. There is an approved local water plan.

**Maintenance:** The owner of the Stormwater Management features and treatment practices is the property owner. There are no Stormwater Treatment Practices (STPs) proposed.

**Stormwater & Hydrology:** Infiltration is not applicable for the project.

Drainage sensitive uses do not 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 not 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 not 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.

**Impairments:** This project is within one (1) mile of and drains to an Impaired Water. The Impaired Water is the Mississippi River. Mississippi River is impaired for Aquatic Recreation, Aquatic Life and Aquatic Consumption. The major stressors are fecal coliform, nutrients, PCB-F, and Mercury. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for mercury for this water.

There are no new impervious surfaces proposed as part of this project.

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

**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:** $2,125.00  
**Wetland Escrow:** $ N/A  
There are ditch liens on the property.

### ISSUES/CONCERNS:

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<th>ISSUE</th>
<th>NEED</th>
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<td>Escrows: $2,000 + (0.25 ac * $500/ac = $2,125.00</td>
<td>1. Receipt of escrows.</td>
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| **Soils & Erosion Control:** District requires double row of perimeter control at waterbodies, creeks, wetlands.  
District requires all work adjacent to water or related resource to be taken precautions to contain sediment, and stabilize the work area during construction  
Details of rip rap has not been provided in the landscape plan. | 2. Update construction plans to add additional row of silt fence at waterbody.  
3. Provide floating silt curtain at the edge of water.  
4. Provide rip rap details. |
| **Floodplain:** The FEMA flood plain on the site is approximately 838.5. The plans do not provide adequate details to confirm the floodplain and floodway impacts.  
The proposed project includes fill in the floodway. | 5. Provide a topographic plan with detail showing the existing wall, proposed rip rap toe of slope and top of slope, and existing and proposed contours. Provide floodplain fill calculations based on flood plain elevation 838.5.  
6. Provide a no rise determination for the floodway fill or consider revising the site grading so that there is no floodway fill. |

### RECOMMENDATION

Table with 6 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Update construction plans to add additional row of silt fence at waterbody.
3. Provide floating silt curtain at the edge of water.
4. Provide rip rap details.
5. Provide a topographic plan with detail showing the existing wall, proposed rip rap toe of slope and top of slope, and existing and proposed contours. Provide floodplain fill calculations based on flood plain elevation 838.5.
6. Provide a no rise determination for the floodway fill or consider revising the site grading so that there is no floodway fill.