COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 9, 2019
AGENDA NUMBER: 15
FILE NUMBER: 19-129
ITEM: Voss-Newman Permit Review

RECOMMENDATION: Approve with 3 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:
2. Landscape plan (Electronic Copy); by Two Designs, dated 8/13/2019, received 8/28/2019.

PREVIOUS ACTION TAKEN: The application was tabled at the July 8, 2019 meeting with 6 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.

**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 protected from sediment deposition.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
- No storm sewer proposed as part of this project.
- Storm sewer inlets will not be impacted by 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, tree 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 proposes to do work within the floodplain. The proposed floodplain fill is 123 cubic yards. The proposed impact is within the floodway. Two hundred seventy (270) cubic yards of compensatory storage is provided. Therefore, the total floodplain impact is a net cut of 147 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:** No Stormwater Management features are proposed as part of this project.

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

No changes to stormwater runoff are expected as part of 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. No increases in the volume, velocity, and peak water flow rates of stormwater runoff are expected. No concentrated storm water expected as part of the project. No on-site constructed storm water conveyance channels will be constructed as part of the project.

**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 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 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) for Mercury. There is not an EPA approved Waste Load Allocation (WLA) 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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| Floodplain: The Landscape Plan Cut/Fill Notes submitted electronically on 8/28/19 show a net floodplain cut of 147 cubic yards. The Cut/Fill Notes submitted 8/16/19 show a net floodplain fill of 16 cubic yards. The grading plan does not appear to have been updated to include the changes in Cut/Fill Volumes presented in the 8/29/19 submittal. It is unclear how these volumes were calculated. | 1. Update the Grading/Erosion Control Plan to reflect the updated Cut/Fill volumes.  
2. Provide a figure clearly showing areas and quantities of Cut and Fill.  
3. Update Proposed Grades figure on the Landscape Plan to reflect the updated Cut/Fill volumes. |

RECOMMENDATION Approve with 3 Stipulations
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