COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 8, 2019
AGENDA NUMBER: 12
FILE NUMBER: 19-131
ITEM: Hark Floodplain

RECOMMENDATION: Approve with 2 Stipulation

APPLICANT: Steve Hark
8528 Mississippi Blvd NW
Coon Rapids, MN 55433

PURPOSE: Restoration of floodway, along with grading and retaining wall relocation to provide compensatory storage for floodplain fill

LOCATION: West of 85th Ln NW and Mississippi Blvd NW, Coon Rapids MN
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. 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 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 Becker and Hubbard.
- Stabilizing vegetation is 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 have not been proposed to be stabilized within 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 outlets or inlets impacted as part of the project.
- 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.

Dewatering: Shallow ground water may exist on site. Dewatering is not anticipated.

Floodplain: There is floodplain on the property according to FEMA at 825 feet. The project proposes to excavate fill within the floodplain. There are no flooding concerns upstream or downstream.

High Water Flooding: Information is not needed to substantiate low floor elevations as no new structures are proposed.

Groundwater: Geotechnical information has not been provided and is not needed. No infiltration practices or structures proposed as part of this project.
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:** There are no stormwater treatment practices proposed for this project.

**Easements:** The proposed project does not include a ditch maintenance easement. A ditch maintenance easement is not required.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved via overland flow.

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. The volume, velocity, or peak water flow rates of stormwater runoff are not expected to exceed predevelopment rates. Concentrated storm water leaving the site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. No on-site constructed storm water conveyance channels are proposed 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 discharges into wetlands are pretreated via overland 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 Mississippi River. Mississippi River is impaired for Aquatic Life (Macro-invertebrates) and Aquatic Recreation (Fecal Coliform). The major stressors are Total Suspended Solids (TSS), Total Phosphorus (TP), and Fecal coliform. There is not an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water for nutrients but there is for Fecal coliform.

There are 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.

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:** $2,030.00

**Wetland Escrow:** $ N/A

There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td><strong>Escrows:</strong> $2,000 + (0.06 ac * $500/ac = $2,030.00**</td>
<td>1. Receipt of escrows.</td>
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<td><strong>Soils &amp; Erosion Control:</strong> Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss and have not been proposed to be stabilized within 7 days of inactivity.</td>
<td>2. Update Erosion and Sediment Control Plan to include the following:</td>
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<tr>
<td>All work adjacent to water or related resource has not taken precautions to contain sediment and stabilize the work area during construction.</td>
<td>a. Provide note that soil stockpiles will be fitted with sediment-trapping measures to prevent soil loss and be stabilized within 7 days of inactivity.</td>
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<tr>
<td>Provisions have not been made to minimize transport of sediment by runoff or vehicle tracking onto the paved surface.</td>
<td>b. Show double row silt fence adjacent to Mississippi River.</td>
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<tr>
<td>Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.</td>
<td>c. Update plans to show construction access route and staging area. Provide provisions to minimize tracked sediment and sweep tracked sediment daily.</td>
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<td>Construction entrance points are not clearly located on the erosion and sediment control plan.</td>
<td>d. Clearly show construction entrance points on plans.</td>
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<td></td>
<td>e. Provide note to repair and maintain all temporary and permanent erosion and sediment control practices.</td>
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The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

**RECOMMENDATION:** Approve with 2 Stipulation

**Stipulations:**

1. Receipt of escrows.
2. Update Erosion and Sediment Control Plan to include the following:
   a. Provide note that soil stockpiles will be fitted with sediment-trapping measures to prevent soil loss and be stabilized within 7 days of inactivity.
   b. Show double row silt fence adjacent to Mississippi River.
   c. Update plans to show construction access route and staging area. Provide provisions to minimize tracked sediment and sweep tracked sediment daily.
   d. Clearly show construction entrance points on plans.
   e. Provide note to repair and maintain all temporary and permanent erosion and sediment control practices.