COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: February 27, 2017
AGENDA NUMBER: 17
FILE NUMBER: 17-023
ITEM: Marshland Park Trail Improvements - Segment 1

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Mark C. Hansen
City of Coon Rapids
11155 Robinson Drive
Coon Rapids, MN 55433

PURPOSE: Reclaim and re-pave existing trails, minor culvert replacements

LOCATION: Trail along private ditch off 122nd Ave NW in Coon Rapids, Minnesota.
**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.

**EXHIBITS:**
1. Permit Narrative and Graphic; by City of Coon Rapids, undated, received 2/13/17.

6. Erosion & Soil Control Plan (ESC)

   The trails are proposed to be reconstructed via pavement reclamation. The process includes grinding up the existing asphalt pavement, and finish grading of the left in place base material for final paving. The work is expected to be completed from May 2017 to September 2017. Sediment control devices including bioreactors will be placed as needed along the project areas. A SWPPP will be developed for this project, and an NDDES permit will be obtained.

**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. There is a private ditch on the property.

**Ditch Hydraulics:** Two crossings of the ditch are proposed. The proposed crossings involve the replacement of two culverts. The proposed culverts are in-kind replacements and therefore are of sufficient hydraulic capacity.

**Erosion and Sediment Control:** Soils affected by the proposal are Rifle.
- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
- No soil stockpiles anticipated as part of this project.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
- All work adjacent to water or related resource has 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 racking onto the paved surface and is not needed.
- Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day and is not needed because of limited new soil.
- Construction entrance points are apparent from the aerial graphics provided.
• 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 does exist on site. The project does not require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The project does not propose to place fill within the floodplain. Compensatory storage is not needed. There are no flooding concerns upstream and/or downstream.

High Water Flooding: Information has not been provided to substantiate low floor elevations and is not needed, no buildings proposed.

Groundwater: Geotechnical information has not been provided and is not needed.

The site is not within a Municipal Drinking Water Supply Area (DWSMA).

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).

The project does not propose a containment system and is not needed.

The project does not need a contingency plan for preventing hazardous materials from contaminating the shallow/surficial aquifer should flood, fire, wind or other natural catastrophe, equipment failure or releases occur.

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.

Property owners affected by changes in drainage will been notified.

Maintenance: No stormwater management features and treatment practices are proposed as part of the project.

Stormwater & Hydrology: No new impervious is proposed as part of this project, so infiltration requirements do not apply. Stormwater leaving the site is discharged into a well-defined receiving channel or pipe and routed to a public drainage system.
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 volume, velocity and peak water flow rates from stormwater runoff will result from this project. No concentrated storm water will result as part of this project. No on-site constructed storm water conveyance channels are proposed as part of this 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 and drains to an Impaired Water. The Impaired Water is Coon Creek. Coon Creek is impaired for Aquatic Life (Macro-invertebrates)/Aquatic Recreation (E. coli). The major stressors are Total Suspended Solids (TSS)/Total Phosphorus (TP)/E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are no 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 not been delineated and aren’t required 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.

**Performance Escrow:** $2,250.00
**Wetland Escrow:** N/A
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (0.50 ac * $500/ac) = $2,250.00</td>
<td>1. Receipt of escrows.</td>
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<td>Soils &amp; Erosion Control:</td>
<td>District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
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RECOMMENDATION: Approve with 2 Stipulations

Stipulations:
1. Receipt of escrows.
2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.