COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 27, 2020
AGENDA NUMBER: 7
FILE NUMBER: 20-013
ITEM: Miscellaneous Trail Reconstruction

RECOMMENDATION: Approve with 3 Conditions and 0 Stipulations

APPLICANT: City of Coon Rapids
Hafedh Hlel
11155 Robinson Dr.
Coon Rapids, MN 55433

PURPOSE: Reclaim & repave existing trails, install ADA ped ramps

LOCATION: Various city parks, Coon Rapids MN
APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. Any work in or adjacent to wetlands, lakes or water courses
4. One or more cumulative acres of land disturbance
5. High water table, outwash and organic soils
6. High infiltration soils
7. Highly erodible soils

EXHIBITS:
1. Construction Plan set (7 sheets); by City of Coon Rapids, dated 1/14/2020, received 1/15/2020.
2. SWPPP; by City of Coon Rapids, dated 1/2020, received 1/15/2020.
3. Project Narrative; by City of Coon Rapids, undated, received 1/15/2020.
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 a public ditch on the property. The public ditch is Woodcrest Creek according to the public drainage map. The elevations through this property are 883.7 ft MSL at the downstream end and 884.6 ft MSL at the upstream end.

The ditch is a 1st order stream. The ditch serves the primary role of storm water conveyance.

The ditch serves approximately 0 acres of agricultural land. Land use in the area is toward residential. There are no flooding concerns upstream or downstream.

The ditch has been inspected. Existing elevations, slopes and condition of ditch are good. The ditch is not in need of repair.

Ditch Hydraulics: A crossing of the ditch is not proposed.

Erosion and Sediment Control: Soils affected by the proposal are Markey, Lino, Isanti, Langola, Sartell and Zimmerman.

- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have not been proposed for this project.
- 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.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and is not needed.
- Stabilization adequate to prevent erosion has been provided at the outlets of all storm sewer pipes.
- All storm sewer inlets are protected from 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 not been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface and are not needed.
- Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day and are not needed.
• Construction entrance points are not clearly located on the erosion and sediment control plan and are not required.
• The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• Details have not been provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

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

Floodplain: There is no floodplain on the property according to the District model and FEMA.

Groundwater: Geotechnical information is not required for the proposed 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.

Property owners affected by changes in drainage have not been notified or acknowledged the changes proposed.

Maintenance: There are no proposed Stormwater Management features or treatment practices as part of this project.

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, or rates which would interfere with sensitive downstream land uses. 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. No on-site constructed storm water conveyance channels 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/stormwater basins 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 Waters are Coon Creek and the Mississippi River. Coon Creek is impaired for (Aquatic Life (Macro-invertebrates)/ Aquatic Recreation (E. coli) and the Mississippi River is impaired for Aquatic Life (Macro-invertebrates), Aquatic Consumption, and Aquatic Recreation. The major stressors are Total Suspended Solids (TSS)/ Total Phosphorus (TP)/E.coli, nutrients and Fecal Coliform. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for Coon Creek. 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 and it is not required.

**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.

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

**Performance Escrow:** $2,550.00

**Wetland Escrow:** $N/A

There are not ditch liens on the property.

**ISSUES/CONCERNS:**

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<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td><strong>Escrows:</strong> $2,000 + (1.10 ac * $500/ac = $2,550.00)</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td><strong>Erosion and Sediment Control:</strong> Details have not been provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)</td>
<td>2. Provide details for ESC measures.</td>
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</tbody>
</table>
**Water Quality:** Unclear how riprap will be installed in Aspen Park. Distance between trail and Creek is almost 50-feet and detail does not indicate where NWL of ditch is.

3. Update vegetated riprap detail to indicate riprap will be installed below NWL and add the distance from trail to ditch slope shown.

**RECOMMENDATION:** Approve with 3 Conditions and 0 Stipulations:

**Conditions:**
1. Receipt of escrows.
2. Provide details for ESC measures.
3. Update detail to indicate riprap will be installed below NWL and the distance from trail to ditch slope shown.

**Stipulations:**
None.