COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 9, 2017
AGENDA NUMBER: 19
FILE NUMBER: 16-084
ITEM: City of Coon Rapids 2017 Trail Construction

RECOMMENDATION: Approve with 4 Stipulations

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

PURPOSE: Construction of 10’ wide 3,488’ long bituminous trail

LOCATION: South end beginning near Avocet/Zilla and the railroad and
the north end at Avocet/130th and the railroad in Coon Rapids.
APPLICABILITY:
1. Any work in or adjacent to wetlands, lakes or water courses
2. One or more cumulative acres of land disturbance
3. The lands and waters that have been, or may be covered by the regional flood.
4. High infiltration soils
5. Highly erodible soils
6. 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.
7. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Grading & Development Permit Application signed 12/20/16, received 12/20/16.
2. Wetland Evaluation/Exemption Permit Application, signed 12/20/16, received 12/20/16.
3. Plan set for City of Coon Rapids Project 17-09 2017 Trail Construction dated 12/20/16, received 12/20/16.
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 Sartell.

- Stabilizing vegetation is not 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.
- 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 not been provided and are not needed.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity but does pass through a grassed area to meet similar BMP requirements.
- 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 racking 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 and is not needed.

**Dewatering:** The project does not require dewatering.

**Floodplain:** There is no floodplain in the project area but is immediately adjacent to on the west side according to the District model. The project does not propose to place fill within the floodplain. The total floodplain impact is 0 acre-feet.

**High Water Flooding:** Information has not been provided to substantiate low floor elevations and is not needed.

**Groundwater:** Geotechnical information was not provided and is not needed.

The site is within a Municipal Drinking Water Supply Area (DWSMA).

The project site is 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). Those uses include:
• Storage, production, disposal or treatment of hazardous materials
• Dry cleaning, dyeing, printing, photo processing or any other uses of hazardous materials
• Disposal of septage or septic sludge
• Vehicle or equipment maintenance/fueling area
• Underground storage tanks
• Storage and use of petroleum products
• Chemical/pesticide/herbicide storage
• Storage and use of petroleum products exceeding fifty-five (55) gallons

**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 and acknowledge the changes proposed.

**Maintenance:** The Owner of the Stormwater Management features and treatment practices is the City of Coon Rapids. The Stormwater Treatment Practices (STPs) consisting of a 4:1 ratio of green space to trail width.

<table>
<thead>
<tr>
<th>Stormwater Treatment Practices</th>
<th>Number</th>
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<tbody>
<tr>
<td>Open/green space</td>
<td>Along entire length of trail</td>
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Inspection and maintenance of stormwater facilities will be the responsibility of the City of Coon Rapids. A maintenance agreement has not been executed and is not needed for this practice. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice and is not needed.

As a requirement of the City’s MS4 program, the city will inspect and maintain the stormwater facilities.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required. A maintenance access to all storm water management features is provided.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved. The stormwater management system utilizes infiltration in the area adjacent to the trail. Stormwater leaving the site is not 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. 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 not discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. There are no on-site constructed storm water conveyance channels.

**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 does not drain to an Impaired Water.

There are 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 been delineated. The most recent delineation was completed on August 29, 2016. The wetland boundary has been checked.

The wetland is not a DNR protected water.

The total proposed wetland impact is 0 square feet.

**Wetland Replacement Plan:**
A wetland replacement plan has not been submitted and is not required.

**Wildlife:**
The proposed project does include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

The endangered or threatened species, rare natural community is Sea-beach Needlegrass (*Aristida tuberculosa*)

The applicant has not contacted the MDNR natural heritage or endangered species program. The applicant is avoiding impacts to the species.

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:** $2,800.00  
**Wetland Escrow:** N/A  
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (1.6 ac * $500/ac) = $2,800.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> Appears that a low point in the trail at 2+58 may need a pipe to keep trail clear of water/ice.</td>
<td>2. Verify that a pipe is not needed at 2+58.</td>
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<td><strong>Soils &amp; Erosion Control:</strong> District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>3. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.</td>
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<td>It is unclear how construction equipment and material will access the project site.</td>
<td>4. Provide construction access locations on the plans.</td>
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**RECOMMENDATION:** Approve with 4 Stipulations
Stipulations:
1. Receipt of escrows.
2. Verify that a pipe crossing is not needed at 2+58.
3. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity
4. Provide construction access locations on the plans.