COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: February 12, 2018
AGENDA NUMBER: 15
FILE NUMBER: 18-034
ITEM: Coon Rapids 17-19 Sidewalk 93rd Ave & Pleasure Creek

RECOMMENDATION: Approve with 2 Stipulations

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

PURPOSE: 250 linear feet of 5-foot-wide sidewalk & fence installation

LOCATION: Coon Rapids Boulevard and 93rd Ave, 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. The lands and waters that have been, or may be covered by the regional flood.
5. High infiltration soils
6. Highly erodible soils
EXHIBITS:
1. Permit Narrative; by City of Coon Rapids, undated, received 1/30/18
2. Construction Plan; by City of Coon Rapids, dated 1/19/18, received 1/30/18

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 a public ditch near the property. The public ditch is Pleasure Creek according to the public drainage map. The existing elevation at this point is 868.9 ft MSL. The ditch is a 3rd order stream. The ditch serves the primary role of collector system. The ditch serves approximately 0 acres of agricultural land. Land use in the area is toward commercial. 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. Alternatives to repair and additional drainage have been considered and reviewed.

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

Erosion and Sediment Control: Soil affected by the proposal is Seelyeville.
- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles not anticipated as part of the 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.
- 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 been made to minimize transport of sediment (mud) by runoff or vehicle racking 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.
**Dewatering:** Shallow ground water may exist on site. The project does not require dewatering.

**Floodplain:** There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 874.3 feet. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream and/or downstream.

**High Water Flooding:** Information has not been provided and is not needed, no structures proposed.

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

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

**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 should be notified and acknowledge the changes proposed.

**Maintenance:** No Stormwater Management features or treatment practices proposed as part of the project.

Easements: The proposed project does not include ditch maintenance easement.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved to the maximum extent practicable. The stormwater management system utilizes overland flow. 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 may exceed predevelopment rates. However, the rates are not expected to adversely impact adjacent property. 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. No concentrated storm water proposed as part of the project. 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 not pretreated by a sediment basin/water quality pond, and are not designed correctly. All work adjacent to
wetlands, waterbodies and water conveyance systems are not 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 Pleasure Creek. Pleasure 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 not an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

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.

Wetland Replacement Plan: A wetland replacement plan 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: $2045.00
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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<tbody>
<tr>
<td>Escrows: $2,000 + (0.09 ac * $500/ac) = $2045.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Soils &amp; Erosion Control: District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>2. Update construction plans to stabilize vegetation in 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.