COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 27, 2017
AGENDA NUMBER: 8
FILE NUMBER: 16-083
ITEM: Coon Rapids Boulevard Extension Trail

RECOMMENDATION: Approve with 2 Stipulations

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

PURPOSE: Construct 10-foot wide trail.

LOCATION: Along Coon Rapids Boulevard Extension between Sycamore Street and Coon Rapids Boulevard 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. One or more cumulative acres of land disturbance
4. High infiltration soils

EXHIBITS:
1. Construction Plan set (22 sheets); by City of Coon Rapids, dated 3/9/17, received 3/15/17.
2. Storm Sewer Design Calculations; by City of Coon Rapids, undated, received 3/15/17.
3. Project Schedule and Timeline; by City of Coon Rapids, undated, received 3/15/17.
4. Wetland Delineation Report by MNR, dated 8/29/16; received 9/16/16
5. Wetland Permit Application by MNR, dated 3/15/17; received 3/15/17
PREVIOUS ACTION TAKEN: This is the first review of this 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 but there is a private ditch on the property.

Ditch Hydraulics: No ditch crossings are proposed.

Erosion and Sediment Control: Soils affected by the proposal are Zimmerman, Isanti, Seelyeville, and Markey.
  • Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
  • No soil stockpiles anticipated as part of 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.
  • 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 does not exist on site. Dewatering is not anticipated.

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

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 within a Municipal Drinking Water Supply Area (DWSMA).

The project site is not within the Emergency Response Area/10 Year Well Head Protection 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 have not been notified and acknowledge the changes proposed.
Maintenance: No stormwater management features and treatment practices are proposed as part of the project.

Stormwater & Hydrology: Infiltration is allowed within the project area. The 1-inch infiltration is achieved to the maximum extent practicable. The stormwater management system does include the addition of 4” of topsoil in the boulevard and areas adjacent to the trail as a turf management practice. 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. 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. The project does not propose any 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 discharges into wetlands are not pretreated by a sediment basin/water quality pond, and are not required. 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 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 3,267 square feet. The impact is through fill in 2 locations as shown below:
The de minimis is 2,500 sf. The proposed project results in wetland impact less than 10,000 sf over the de minimis. TEP members have been notified with a complete plan and have been requested to submit comments.

The project is not wetland dependent.

The project is not exempt.

The applicant does need to contact the Corps of Engineers.

Two alternatives, plus the proposed project, have been submitted. On-site sequencing does not apply. The avoidance alternatives are considered good faith efforts.

1. The applicant suggests that avoidance is not reasonable because there is no alternative. No alternative exists because:
   1) The basic purpose of the project cannot reasonably be accomplished at an alternative site;
   2) The applicant has made a good faith attempt in pursuing alternatives;
   3) The applicant has demonstrated that the activity will minimize wetland impacts through:
      a. modifying the size, scope, configuration, and density of the project,

2. The applicant suggests that avoidance is not reasonable because there is a compelling public need/interest. There is a compelling public need/interest because
   a. The trail provides an essential safety need;
   b. The wetland impact is minimized and proposed to be mitigated;
   c. the proposed wetland replacement is certain to provide equal or greater functions and public values to the District than the wetland to be impacted; and
   d. The public need for the trail is essential to the public welfare of the general area.
**Wetland Replacement Plan:**
A wetland replacement plan has been submitted.
A replacement plan application has been submitted.
The wetland replacement plan has been sent to TEP members for comment.

Replacement is proposed to be through the purchase of wetland credits at a ratio of 2:1.

The TEP has approved the wetland mitigation plan.

**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:** $3,050.00
**Wetland Escrow:** N/A
There are not ditch liens on the property.

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**RECOMMENDATION:** Approve with 2 Stipulations
**Stipulations:**
1.  Receipt of escrows.
2.  Provide proof of purchase for wetland credits.