COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 13, 2020
AGENDA NUMBER: 18
FILE NUMBER: 18-212
ITEM: CSAH 14 Aberdeen Street to Radisson Road

RECOMMENDATION: Approve with 2 Conditions and 2 Stipulations

APPLICANT: Anoka County Highway Department
Attn: Jack Forslund
1440 Bunker Lake Boulevard NW
Andover, MN 55304

PURPOSE: Reconstructing CSAH 14 from a four-lane undivided highway to a four-lane divided highway with dedicated left and right-hand turn lanes, constructing a multi-use trail along the south side of CSAH 14, and constructing associated stormwater features.

LOCATION: CSAH 14 from Aberdeen Street and Radisson Road, Blaine
APPLICABILITY:
1. Any work in or adjacent to wetlands, lakes or water courses
2. One or more cumulative acres of land disturbance.
3. Appropriation and use of groundwater
4. High water table, outwash and organic soils
5. High infiltration soils
6. Highly erodible soils
7. 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.
8. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Drainage Plan and Profile Sheets and Erosion Control Plan Sheets (sheets 90-101 of 200); by Anoka County Highway Department, dated 12/20/19, received 01/02/20.
2. Joint Powers Agreement; by Anoka County and City of Blaine, dated 12/4/19, received 01/02/20.
3. Responses to comments, undated, received 01/02,20.
6. XP-SWMM Model, undated, received electronically on 12/31/19.
8. Local Government Road Wetland Replacement Program Notification, by WSB, dated 11/15/19, received 11/25/19.
9. Rare Species Survey Report; by Critical Connections Ecological Services, Ince, dated 11/21/19, received 11/21/19.
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 Markey and Zimmerman.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss and do have a note to stabilize within seven (7) days of inactivity.
- 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 been made to minimize transport of sediment (mud) by runoff or vehicle tracking 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.
- Details have been provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does not exist on site. The project does not require dewatering.
Floodplain: There is no floodplain on the property according to the District model and FEMA.

High Water Flooding: Information has been provided to substantiate low floor elevations of existing structures. Low floor elevations meet the criteria for the City of Blaine; 2 feet above mottled, 2 feet above 100-year HWL.

Groundwater: Geotechnical information collected in March 2019 indicates long term groundwater elevation is present at 5 to 14 feet below the surface.

The project site is within the 10 Year Well Head Protection Area and 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 and acknowledge the changes proposed.

Maintenance: The owner of the Stormwater Management features and treatment practices is the City of Blaine. The Stormwater Treatment Practices (STPs) consisting of the following:

<table>
<thead>
<tr>
<th>Stormwater Treatment Practices</th>
<th>Number</th>
<th>Inspection &amp; Maintenance Responsibility</th>
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<tbody>
<tr>
<td>NURP pond w/ Filtration</td>
<td>1</td>
<td>City of Blaine</td>
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County’s JPA states that the City of Blaine 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; however, infiltration is not feasible due to high ground water. The 1-inch filtration is not achieved. The stormwater management system utilizes a NURP pond with enhanced treatment through filtration on the pond slopes above the normal water level. Calculations have been provided that illustrate the 1-inch filtration volume is achieved below outlet.
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. All on-site constructed storm water conveyance channels are constructed to withstand the expected velocity from a 2-year frequency storm without erosion.

**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 pretreated by a NURP pond which is designed correctly. 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 not within one (1) mile of 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 approved on 9/13/19. The wetland boundary has been checked.

The wetland is not a DNR protected water.

The total proposed wetland impact is 0.267 ac. The impact is through fill/conversion in 1 locations as shown below:
The de minimis does not apply. 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 not need to contact the Corps of Engineers.

Two or more alternatives, plus the proposed project, have been submitted. 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:
   a) The basic purpose of the project cannot reasonably be accomplished at an alternative site.

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 project provides an essential public health and 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

Wetland Replacement Plan: A wetland replacement plan has not been submitted and 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 applicant has contacted the MDNR natural heritage or endangered species program.

If the project is present, the project won’t propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species.

Performance Escrow: $6,725
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>Escrows: $2,000 + (9.45 ac * $500/ac = $6,725</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Wetlands: Wetland credits are proposed to be used by the LGRWRP.</td>
<td>2. Provide proof of wetland credits withdrawal by the LGRWRP.</td>
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**Conditions:**
1. Receipt of escrows.
2. Provide proof of wetland credits withdrawal by the LGRWRP.

**Stipulations:**
1. Provide record drawings when the project is completed.
2. The applicant must complete a post construction test on the filtration bench. The test shall be coordinated and approved by the Coon Creek Watershed District. The Coon Creek Watershed District shall be notified prior to the test to witness the results.