COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: August 10, 2015
AGENDA NUMBER: 9
FILE NUMBER: 15 - 088
ITEM: North Area Interceptor (NAI) Rehabilitation-Phase 6

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Metropolitan Council
Attn: Jeny Shah
3565 Kennebec Dr
Eagan MN 55121

PURPOSE: Rehabilitation of existing sanitary sewer interceptor and associated maintenance access structures and two metering stations.

LOCATION: Various Locations throughout western portion of watershed.
**APPLICABILITY:**
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. Any work in or adjacent to wetlands, lakes or water courses.
3. The lands and water that have been, or may be covered by the regional flood.
4. High infiltration soils.
5. Highly erodible soils
6. Endangered, Threatened or Special concern species, elements of communities.
   (Only in Area D)

**EXHIBITS:**
1. Construction Plan Set (28 sheets) by Foth Infrastructure & Environment LLC; dated 3/20/2015, received 7/17/2015.

**HISTORY & CONSIDERATIONS:** Project has four locations that cross creeks or ditches throughout the watershed. Work includes CIPP lining of sanitary sewer, rehabilitation of manholes and meter stations, and installation of one forcemain. Increase of 330 sq ft of imperviousness due to installation of a permanent parking pad.

**FINDINGS:**

**Ditches and Drainage:** There are public ditches on the three of the four property areas of the project. The ditches are County Ditch 54, Pleasure Creek and Springbrook Creek. The fourth area of the proposed project is tributary to Lower Coon Creek. The trend in land use for this drainage area is toward open space. There are no flooding concerns downstream that will be influenced by the proposed project.

**Floodplain:** There is floodplain on the property according to FEMA for project areas A and C but aren’t affected by this project. The total floodplain impact is 0 acre-feet. Compensatory storage is not needed.

**Groundwater:** Surficial ground water is present at unknown feet. Project consists of rehabilitation of sanitary sewer, groundwater information is not required.

**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.

**Maintenance:** The proposed project does include a ditch maintenance easement or utility line crossings. Note on construction sheets that indicate the contractor is to notify adjacent properties at least 48 hours prior to construction activities.

**Soils & Erosion Control:** Soils affected by the proposal are Lino, Markey, Seelyville and Zimmerman. Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. All
wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from erosion and sedimentation. Project site is not greater than 1 acre; an NPDES permit is not required.

**Stormwater & Hydraulics:** No changes in drainage are proposed for the project. 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.

**Water Quality:** Project does not include new impervious drainage areas greater than 1 acre. No changes in drainage are proposed. An emergency response plan is needed to ensure the proposed project 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.

**Wetlands:** Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. The wetland boundary has been reviewed.

The applicant has requested a no loss determination as it is exempt under the Minnesota Wetland Conservation Act Rules 8420.0420, subp. 6 - Utilities. No permanent wetland or ditch impacts will result from the project.

**Wildlife:** The proposed project does not include endangered & threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, wildlife travel corridors in Areas A, B, and C. No substantial adverse alteration or significant detrimental impact on a species food supply, security or reproductive cycle or the alteration or removal of a plant species will occur.

Area D does include the Blanding’s turtles (*Emydoidea blandingii*), a state-listed threatened species, which has been reported from the vicinity of the proposed project and may be encountered on site. The DNR has provided the applicant with information to protect the turtle.

The site has also been identified as a Site of Moderate Biodiversity Significance in 1989. However, much of the site has been developed since 1989 so a Biological Assessment is not being required by the DNR.

**Performance Escrow:** $11,000

**ISSUES/CONCERNS:**

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<th><strong>Water Quality:</strong></th>
<th>To prevent possible contamination of area ditches and wetlands,</th>
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<td>1. Provide an Emergency Response Plan in the event of a spill or leak to</td>
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provide an Emergency Response Plan in case of break or leak in the sanitary bypass or main line during construction activities.

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<th>Soils &amp; Erosion Control: Stabilizing vegetation is proposed onsite but no specific time frame is given. Add a note on construction plan sheets that states that all stabilizing vegetation is required within 14 days of inactivity or rough grading completion.</th>
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<td>Escrows: $2,000 + (18 ac * $500/ac) = $11,000</td>
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<td>3. Receipt of escrows.</td>
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**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Add a note on construction plan sheets that states that all stabilizing vegetation is required within 14 days of inactivity or rough grading completion.
3. Provide an Emergency Response Plan in the event of a spill or leak to prevent possible contamination of area ditches and wetlands.