COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 10, 2018
AGENDA NUMBER: 17
FILE NUMBER: 18-149
ITEM: 113th Ave Sanitary Sewer Extension

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: City of Blaine
Attn: Tom Scott
10801 Town Square Drive NE
Blaine, MN 55449

PURPOSE: Sanitary sewer for future development

LOCATION: North of Fillmore St NE & 111th Ave NE, Blaine MN

APPLICABILITY:
1. One or more cumulative acres of land disturbance.
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 water table, outwash and organic 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.

EXHIBITS:
1. Construction Plan set (10 sheets); by Carlson McCain, dated 8/28/18, received
   8/29/18.
2. MPARS Application and Narrative (Dewatering); by Jeff Geislinger, dated 8/28/18,
   received 8/29/18.
3. Wetland Delineation Report: by Kjolhaug Environmental Services, dated 7/24/18,
   received 8/1/18. Updated 8/21/18.
4. WCA No Loss Application: by Kjolhaug Environmental Services, dated 7/24/18,
   received 8/1/18. Updated 8/24/18.
PREVIOUS ACTION TAKEN: This application was tabled at the August 13th meeting with stipulations:

1. Receipt of escrows.
2. Provide as-built of sanitary sewer line to ensure minimum of 4-foot separation from approved ditch bottom achieved. Approved ditch bottom elevations is 889.6.
3. Provide details on dewatering and/or rerouting of CD 39 prior to commencing construction activities. Provide DNR water appropriation permit if necessary.
4. TEP concurrence with wetland boundary.
5. Clarify length and size of temporary wetland impacts.
6. Provide details regarding wetland restoration.

FINDINGS:

Pre-application Meeting: The project as submitted has received a general review during a pre-application meeting.

Ditches: There is a public ditch on the property. The public ditch is County Ditch 39 according to the public drainage map. The approved/as-built elevations through this property are 889.3ft MSL at the downstream end and 890.2 ft MSL at the upstream end.

Existing elevations of the ditch are 890.622 ft MSL at the downstream end and 890.603 ft MSL at the upstream and represent a variance of 0.4-1.3 ft. above the approved elevations. Alternatives to repair and additional drainage have been considered and reviewed.

The ditch is a 2nd order stream. The ditch serves the primary role of storm water conveyance. The ditch serves approximately 0 acres of agricultural land. Land use in the area is primarily residential and wooded. There are flooding concerns upstream and 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 proposed. A 36” culvert is to be placed in the ditch to keep the water flowing while they install the pipe underneath.

Erosion and Sediment Control: Soil affected by the proposal is Isanti, Millerville, Seelyeville.

- 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.
- 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 does exist on site. The project does require dewatering. Discharge points are identified as two temporary sediment basins.

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 flooding concerns upstream and downstream.

High Water Flooding: Information is not needed to substantiate low floor elevations, no structures proposed.

Groundwater: Geotechnical information collected in July 2018 indicates long term groundwater elevation is present at 8 feet below the surface.

The project site is not 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).

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 practice proposed as part of the project.

Easements: The proposed project does include ditch maintenance easement. A ditch maintenance easement is required.

Stormwater & Hydrology: No new impervious proposed, infiltration requirements do not apply.

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. No increases in the volume, velocity and peak water flow rates of stormwater runoff are anticipated as part of the project. Concentrated storm water leaving a site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. No on-site storm water conveyance channels 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 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 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 an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are no 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 21, 2018. The wetland boundary has been checked.

The total proposed wetland impact is 1,128 square feet. The impact is temporary and in one locations shown below:
The utility exemption applies for this project and impact. TEP members have been notified with a complete plan and will be requested to submit comments. The project is not wetland dependent. The project is exempt. The applicant does/does not need to contact the DNR area hydrologist and the Corps of Engineers.

**Wetland Replacement Plan:** A wetland replacement plan has not been submitted and 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:** $3,350.00
**Wetland Escrow:** $ N/A
There are not ditch liens on the property.

### ISSUES/CONCERNS:

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<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (2.70 ac * $500/ac = $3,350.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Ditches: Proposed project includes installation of utility line beneath CD 39. Applicant has acknowledged that as-builtin will be provided. Dewatering and/or rerouting of CD 39 is anticipated as part of the project. Note from contractor states a 36” will be used to route water through CD 39. Note on construction plans state CD 39 will be dammed.</td>
<td>2. Provide as-built of sanitary sewer line to ensure minimum of 4-foot separation from approved ditch bottom achieved. Approved ditch bottom elevations is 889.6 ft (NAVD 88). 3. District to be given 24-hour notice prior to commencing construction associated with crossing of CD 39.</td>
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**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide as-built of sanitary sewer line to ensure minimum of 4-foot separation from approved ditch bottom achieved. Approved ditch bottom elevations is 889.6.

3. District to be given 24-hour notice prior to commencing construction associated with crossing of CD 39.