COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 13, 2019
AGENDA NUMBER: 27
FILE NUMBER: 19-085
ITEM: Lift Station #10 Improvements

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: City of Andover
Attn: Jason Law
1685 Crosstown Blvd NW
Andover, MN 55304

PURPOSE: Construction of Sanitary Sewer Lift Station and Forcemain

LOCATION: Crosstown Blvd NW, Andover, MN
APPLICABILITY:
1. Within 1 mile of an impaired waters
2. Any work in or adjacent to wetlands, lakes or water courses
3. The lands and waters that have been, or may be covered by the regional flood.
4. High infiltration soils
5. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:

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 Sartell and Lino.
- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles are not anticipated for 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 not been provided.
• Stabilization adequate to prevent erosion has been provided at the outlets of all storm sewer pipes.
• No storm sewer inlets on or adjacent to site.
• 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 not 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 not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• Details provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water may exist on site. The project may require dewatering.

**Floodplain:** There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 897.4 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 to substantiate low floor elevations and is not needed. Sanitary lift station is the only structure proposed.

**Groundwater:** Geotechnical information has not been provided and is not needed.

The project site is 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 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:** No Stormwater Management features or treatment practices are proposed.

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

**Stormwater & Hydrology:** New impervious (0.05 ac) consists of the roof of the lift station and the adjacent paved driveway. The runoff from the new impervious will drain to and be treated by the adjacent roadside ditch.

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. Concentrated storm water leaving the 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/stormwater basins are pretreated via overland 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 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 not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated.

**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. The applicant has not contacted the MDNR natural heritage or endangered species program and is not required to.
If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species will occur.

**Performance Escrow:** $2,250  
**Wetland Escrow:** $N/A  
There are ditch liens on the property.

### ISSUES/CONCERNS:

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| Escrows: $2,000 + (0.5 ac * $500/ac = $2,250 | 1. Receipt of escrows.  
| **Soils & Erosion Control:** Erosion control plan does not meet District requirements. | 2. Update Erosion Control Plan to include the following:  
  a. Include note on Plans to stabilize disturbed soils within 7 days of rough grading or inactivity.  
  b. Provisions for cleaning road surfaces where sediment is transported by the end of the day.  
  c. Provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.  
  d. Provide construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases.  
  3. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule and quantities. |

### RECOMMENDATION: Approve with 3 Stipulations

**Stipulations:**  
1. Receipt of escrows.  
2. Update Erosion Control Plan to include the following:  
   a. Include note on Plans to stabilize disturbed soils within 7 days of rough grading or inactivity.
b. Provisions for cleaning road surfaces where sediment is transported by the end of the day.
c. Provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
d. Provide construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases.

3. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule and quantities.