COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: August 11, 2019
AGENDA NUMBER: FILE NUMBER: 19-145
ITEM: Jefferson Street NE

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: CenterPoint Energy
700 West Linden Avenue
Minneapolis, MN 55403

PURPOSE: Install 2,988 feet of 4-inch, 230 feet of 2-inch and 74 feet of 6-inch gas distribution piping by directional drill

LOCATION: Locations in the right of way along Jefferson Street from 112th Avenue NE to 119th Avenue NE
APPLICABILITY:
1. Within 1 mile of an impaired waters.
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.
7. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Project Narrative; by CenterPoint Energy, dated 7/26/19, received 7/30/19 including the following attachments
   a. CCWD Permit Applications for Grading and Development Permits, Public Utilities and Crossing of Drainage Easements, and Appropriation of waters; dated 7/29/19
   b. Location Map and site Plans (6 sheets); dated 7/29/19
   c. Site Plan Notes); undated
   d. Details; undated
PREVIOUS ACTION TAKEN: This is a new application.
FINDINGS:

**Pre-application Meeting:** The project as submitted has not received a general review during a pre-application meeting.

**Ditches:** There is a public ditch on the property. The public ditch is County Ditch 41 according to the public drainage map. The approved/as-built elevations through this property are 882.023 ft MSL at the downstream end and 882.502 ft MSL at the upstream end.

The ditch is a 4th order stream. The ditch serves the primary role of

a. Trunk drainage system

The ditch serves approximately 0 acres of agricultural land.
Land use in the area is toward residential.
There are flooding concerns upstream and/or downstream.

**Ditch Hydraulics:** A crossing of County Ditch 41 north of 118th Avenue NE is proposed. The ditch crosses Jefferson Street in an arch pipe, with upstream and downstream inverts 882.502 and 882.023. The proposed crossing will be a directional drill for gas main under the culvert. The crossing does not affect the flow or capacity of the ditch. The pipe will be at least 4 feet below the bottom of the culvert.

**Erosion and Sediment Control:** Soils affected by the proposal are Sartell, Seelyeville, Isanti, Zimmerman and Lino

- 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.
- 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 provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does exist on site. The project does require dewatering but is not anticipated to require dewatering at a rate that will require an appropriations permit. The details include methods for treatment of dewatering water.

Floodplain: There is no floodplain on the property according to the District model and FEMA. The proposed pipeline will cross existing flood plains but the pipeline will be installed by directional drilling methods and flood plain areas will not be disturbed. The excavations for the directional drill will be located outside of the floodplain. The floodplain elevation at the ditch crossing is 889.68 and 889.32 on the upstream and downstream ends.

Groundwater: Geotechnical information is not provided and is not needed.

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.

Maintenance: There are not new Stormwater Management features or treatment practices proposed.

Easements: A ditch maintenance easement is not required.

Stormwater & Hydrology: Stormwater and hydrology modeling and reports are not provided. The project does not propose any changes to stormwater or hydrology or any new impervious surfaces or disturbances outside of the right of way.

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.

**Impairments:** This project is within one (1) mile of and drains to an Impaired Water. The Impaired Water is Sand Creek. Sand 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 not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated and do not need to be.

**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 does not need 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:** $2,370.00

**Wetland Escrow:** $ N/A

There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (0.74 ac * $500/ac = $2,370.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Ditches: Construction plans include directional bore below ditch 41.</td>
<td>2. Provide as-built of gas line at ditch location showing 4ft separation from bottom of ditch (882.0 NAVD88).</td>
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</table>

**RECOMMENDATION:** Approve with 2 Stipulations

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1. Receipt of escrows.
2. Provide as-built of gas line at ditch location showing 4ft separation from bottom of ditch (882.0 NAVD88).