**COON CREEK WATERSHED DISTRICT PERMIT REVIEW**

**MEETING DATE:** August 11, 2019  
**AGENDA NUMBER:**  
**FILE NUMBER:** 19-146  
**ITEM:** Zion Street NW

**RECOMMENDATION:** Approve with 2 Stipulation

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

**PURPOSE:** Install 357 feet of -inch gas distribution piping by directional drill

**LOCATION:** Locations in the right of way along Zion Street from at the County Ditch 54-3

**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. High water table, outwash and organic soils
5. 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.
6. 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 (2 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 54-3 according to the public drainage map. The project crosses the Ditch at the terminus. The approved/as-built elevations through this property are 847.0 ft MSL at the terminus.

The ditch is a 1st order stream. The ditch serves the primary role of
a. Agricultural drainage

The ditch serves approximately 0 acres of agricultural land.
Land use in the area is toward residential.
There are no flooding concerns upstream and/or downstream.

Ditch Hydraulics: The project is at the beginning of County Ditch 54-3. The proposed crossing will be a directional drill for gas main under the ditch. 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 ditch.

Erosion and Sediment Control: Soils affected by the proposal are Isan.

- 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 not exist on site. The project does not require dewatering.
**Floodplain:** There is floodplain adjacent to the property according to the District model and FEMA. The floodplain elevation is 858.21.

**Groundwater:** Geotechnical information is not provided.

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 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.

**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 (Macroinvertebrates)/ 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.

**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:** $2,005

**Wetland Escrow:** $N/A

There are not ditch liens on the property.

### ISSUES/CONCERNS:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows:</td>
<td>$2,000 + (0.01 ac * $500/ac = $2,005</td>
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<tr>
<td>Ditches:</td>
<td>Construction plans include directional bore below ditch 55-3.</td>
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<tr>
<td></td>
<td>1. Receipt of escrows.</td>
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<td>2. Provide as-built of gas line at ditch location showing 4ft separation from bottom of ditch (847.0 NAVD88).</td>
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**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide as-built of gas line at ditch location.