COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 24, 2017
AGENDA NUMBER: 10
FILE NUMBER: 17-131
ITEM: CenterPoint Energy 105th Avenue

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT: CenterPoint Energy
Attn: Chris LaNasa
700 West Linden Ave
Minneapolis, MN 55403

PURPOSE: Replacement of natural gas main

LOCATION: 105th Avenue NE, Blaine MN

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
EXHIBITS:
1) Permit Application Signed and dated 7-11-17, received 7-12-17.
2) Project Schedule and Exhibits by Merjent, dated 9-26-16, received 7-11-17.
3) Joint Application Form for Activities Affecting Water Resources in Minnesota; dated 7-10-17, received 7-11-17.

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 Ditch 41 (Sand Creek) per the public drainage map. Ditch 41 was established in 1904. The ditch has been inspected. The ditch was last inspected in 2015. The approved elevations through this property are 890.4 ft MSL downstream and 891.3 ft MSL upstream (1988 datum). The 2015 observed elevations through this property are 891.1 ft MSL downstream and 890.9 ft MSL upstream (1988 datum). Observed elevations represent a 0.7-0.8 foot variance from the approved elevations. Alternatives to repair and additional drainage have been considered and reviewed. The ditch is a 3rd order stream. The ditch serves the primary role of stormwater drainage and collector system. The ditch serves approximately 0 acres of agricultural land. Land use in the area is park and commercial. There are no flooding concerns upstream and downstream. The ditch was last repaired in 2004. Alternatives to repair and additional drainage have been considered and reviewed.
The ditch is in need of repair (vegetation). Existing elevations, slopes and condition of ditch are good.

**Ditch Hydraulics:** An underground gas main crossing of the ditch is proposed via directional boring.

**Erosion and Sediment Control:** Soils affected by the proposal are Rifle.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles part of the project and will be surrounded by silt fence on the downgradient side.
- 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.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and is not needed.
- Impacts to existing storm sewer pipes are not expected as part of this project.
- All work adjacent to water or related resource have 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.
- The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

**Dewatering:**
No Dewatering plan has been submitted.

**Floodplain:** There is floodplain on the property according to the District model or FEMA. The project does not propose to place fill within the floodplain.

**High Water Flooding:** Information has not been provided to substantiate low floor elevations and is not needed as no buildings are proposed.

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

The site is not within a Municipal Drinking Water Supply Area (DWSMA).

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 have not been notified and acknowledge the changes proposed and is not needed.

**Maintenance:** No Stormwater Management features and treatment practices are proposed as part of the project.

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

**Stormwater & Hydrology:** No changes to stormwater are expected as part of 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. No increases in the volume, velocity and peak water flow rates of stormwater runoff are expected. No concentrated storm water expected as part of the project. No on-site constructed storm water conveyance channels will be constructed 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 discharges into wetlands 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 not within one (1) mile of an Impaired Water.

There are no new impervious surfaces proposed as part of this project.

**Wetlands:** Wetland do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. No impacts are proposed.
**Performance Escrow:** $2,065.00  
**Wetland Escrow:** $ N/A  
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Escrows: $2,000 + (.13 ac * $500/ac) = $2,065.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>2. Provide 4’ of clearance below grade to allow for future ditch cleaning. The existing culverts at this location are located at 891.0.</td>
<td>2. Provide as-built survey showing the top of the new gas main at the crossing are no higher than 897.0.</td>
</tr>
<tr>
<td>The location of the east boring hole looks to be in the center of a roadside ditch.</td>
<td>3. Confirm that the eastern pilot hole is outside of the roadside ditch.</td>
</tr>
<tr>
<td>Provide dewatering details.</td>
<td>4. Provide a dewatering plan in case high groundwater is present</td>
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</tbody>
</table>

**RECOMMENDATION:** Approve with 4 Stipulations  
**Stipulations:**  
1. Receipt of escrows.  
2. Provide as-built confirmation that the four (4) foot separation from the approved ditch bottom is met. That is the top of the new gas main can be no higher than 897.0.  
3. Confirm that the eastern pilot hole is outside of the roadside ditch.  
4. Provide a dewatering plan in case high groundwater is present.