COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 10, 2017
AGENDA NUMBER: 11
FILE NUMBER: 17-121
ITEM: Clover Leaf Parkway Northeast Natural Gas Pipeline Replacement - Blaine

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: CenterPoint Energy
Attn: TJ Haider
700 West Linden Ave
Minneapolis, MN 55403

PURPOSE: Pipe replacement under County Ditch 17

LOCATION: Clover Leaf Pkwy NE between Polk St NE and Central Ave NE, Blaine, MN
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. 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. Site Location Map; by Merjent and CenterPoint Energy, not dated, received June 27, 2017.
2. Site Plan and Erosion and Sediment Control Plan; by Merjent and CenterPoint Energy, not dated, received June 27, 2017.

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 17 (Springbrook Creek) according to the public drainage map. Ditch 17 was established in 1892. The ditch has been inspected. The ditch was last inspected in 2016. The 2016 observed elevations through this property are 893.0 ft MSL at the downstream end and 892.9 ft MSL at the upstream end (1988 datum). The ditch is a 4th order stream. The ditch serves the primary role of a collector system. The ditch serves approximately 0 acres of agricultural land. Land use in the area is multi and single family residential. There are no flooding concerns upstream or downstream. Existing elevations, slopes and condition of ditch are fair. Alternatives to repair and additional drainage have been considered and reviewed. The ditch is not in need of repair.

Ditch Hydraulics: An underground crossing of the ditch is proposed as a directional bore.

Erosion and Sediment Control: Soils affected by the proposal are Zimmerman, Isanti, Millerville, and Lino.
  - Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
  - Soil stockpiles are not anticipated as part of the 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 been provided.
  - Stormwater runoff passes through a sediment basin or other sediment trapping BMP with equal or greater storage capacity.
  - Impacts to existing storm sewer pipes are not expected as part of this project.
  - 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 not 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: It is unknown if shallow groundwater exists on site. The project does not require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The FEMA floodplain elevation is at 901 feet. The project does not propose to
place fill within the floodplain. The total floodplain impact is 0 acre-feet. There are no flooding concerns upstream or downstream.

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

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

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

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

**Stormwater & Hydrology:** Infiltration is allowed within the project area. 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 is 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 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 County Ditch 17 (Springbrook Creek). County Ditch 17 (Springbrook Creek) is impaired for (Aquatic Life (Macro-invertebrates) and Aquatic Recreation (E.
coli). The major stressors are 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 in May 2017. The wetland boundary has been checked. There is no proposed wetland impact.

**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:** $2,030.00  
**Wetland Escrow:** $ N/A  
There are not ditch liens on the property.

### ISSUES/CONCERNS:

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (.06 ac * $500/ac) = $2,030.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>2. Appropriate clearance under County Ditch 17 (Springbrook Creek) is not provided</td>
<td>2. Update the project description and provide an as-built survey showing the top of the proposed pipe, crossing County Ditch 17 (Springbrook Creek), has the minimum 4 ft. of cover.</td>
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### RECOMMENDATION:
Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Update the project description and provide an as-built survey showing the top of the proposed pipe, crossing County Ditch 17 (Springbrook Creek), has the minimum 4 ft. of cover.