COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 14, 2016
AGENDA NUMBER: 10
FILE NUMBER: 16-031
ITEM: CenterPoint Energy

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: CenterPoint Energy

PURPOSE: Installation of 7,180 linear feet of natural gas pipeline

LOCATION: Along Bunker Lake Blvd between Butternut St. NW and Jefferson St. NE, Ham Lake, MN

APPLICABILITY:
Any work within or adjacent to a Public Ditch within the Watershed District
Any building within the floodplain of any natural water course (1.07 sub 1)
Improvement of the bed, bank or shore of lakes and public drainageways (1.10)
Diversion of water, casting of dredge or dewatering for construction (1.14 sub 3)

EXHIBITS:
1. Joint Application Form for Activities Affecting Water Resources in Minnesota by Merjent, dated 2/11/2016, received 2/19/2016
3. Project Maps and Erosion Control Site Plan by Merjent, dated 2/11/2016, received 2/19/2016

HISTORY & CONSIDERATIONS: This application was initially submitted on 02/19/2016.

FINDINGS:
Ditches: There is a public ditch on the property. The public ditch is County Ditch 23 according to the public drainage map. The approved ditch bottom elevation at the utility line crossing site is listed below.

<table>
<thead>
<tr>
<th>County Ditch</th>
<th>Approved Bottom Elev.</th>
<th>Approved Top of Pipe Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>881.7</td>
<td>877.7</td>
</tr>
</tbody>
</table>

*As referenced to the NAVD 1988 Datum

The ditch serves the primary role of agricultural drainage and storm water conveyance. The ditch serves approximately 21 acres of agricultural land. The trend in land use is toward Open Space and residential. There are flooding concerns downstream. The ditch has been inspected. The ditch is not in need of repair.

Erosion and Sediment Control: Soils affected by the proposal are Zimmerman and Seelyville. Stabilizing vegetation is not proposed for disturbed areas within two weeks (14 days) of rough grading. Adjacent properties and stormwater ponds are not protected from sediment deposition.

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

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

Hydraulics: A crossing of the ditch is proposed. The proposed crossing involves directional boring a gas pipeline under the ditch. The proposed pipeline is not an issue for hydraulic capacity.
Local Planning & Zoning: The proposed project is consistent with local planning and zoning. There is an approved local water plan and SWPPP.

Property owners affected by changes in drainage have been notified and acknowledge the changes proposed.

Maintenance:
There are no required stormwater practices for this project. Owner of the Stormwater Management features and treatment practices is CenterPoint Energy.

Easements: The proposed project does include ditch maintenance easement. Inspection and maintenance of stormwater facilities (Ditch 23) will be the responsibility of the Coon Creek Watershed District.

Stormwater & Hydrology: The applicant is not required to meet the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation since no impervious surface is proposed.

Water Quality: Project does not include new impervious drainage areas greater than 1 acre. Project lies within 1.0 miles of an Impaired Waters. Exposed soils must be stabilized within 7 days.

Wetlands: Wetland exists on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated. The wetland is not a DNR protected water. There is no proposed wetland impact. Any impact would be is temporary and exempt.

Wetland Replacement Plan: A wetland replacement plan is not required.

Wildlife: The proposed project does not affect endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, ground water dependent ecosystems, deer wintering areas or wildlife travel corridors. No substantial adverse alteration or significant detrimental impact on a species food supply, security or reproductive cycle or the alteration or removal of a plant species will occur.

Performance Escrow: $2,005.00
Wetland Escrow: $ N/A
**FINDINGS/ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th><strong>Erosion and Sediment Control:</strong> Stabilizing vegetation is not proposed for disturbed areas within two weeks (14 days) of rough grading. Adjacent properties and stormwater ponds are not protected from sediment deposition</th>
<th>1. The applicant needs to install an erosion control practice around the boring site such as bio-logs or silt fence, to contain erosion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maintenance:</strong> As-built drawings with elevations will be required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above.</td>
<td>2. As-built drawings with elevations will be required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above.</td>
</tr>
<tr>
<td><strong>Escrows:</strong> $2,000 + (0.01 acres * $500/ac) = $2,005.00</td>
<td>3. Receipt of escrows.</td>
</tr>
</tbody>
</table>

**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. As-built drawings with elevations will be required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above.
3. Install an erosion control practice around the boring site within 7 days of project completion, such as bio-logs or silt fence, to contain erosion and sediment.