COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: June 23, 2014
AGENDA NUMBER: 12
FILE NUMBER: 14-075
ITEM: NNG-Elk River MP 17.8 Replacement

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Northern Natural Gas Company
Attn: Kelly Henry
1120 Centre Pointe Drive, Suite 400
Mendota Heights, MN 55120

PURPOSE: NNG Pipeline replacement

LOCATION: From just north of 143rd Ave. NE and HWY 65 to Andover Blvd
APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. 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. Plan set by Northern Natural Gas; dated 1-20-2014; received 6-11-2014

HISTORY & CONSIDERATIONS:
The applicant is proposing to replace and lower approximately 1,000 feet of the 20-inch-diameter Elk River branch line B. A new 20 inch diameter pipeline segment will be installed and tied into the existing pipeline.

FINDINGS:
Ditches and Drainage: There is a public ditch on the property. The ditch is County Ditch 57 (Coon Creek). There are no flooding concerns downstream.

Floodplain: There is floodplain on the property according to FEMA. The total floodplain impact is 0 acre-feet, within the floodplain. Compensatory storage is not needed.

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

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: The proposed project does include a ditch maintenance easement or utility line crossings. Property owners affected by changes in drainage have been notified and have acknowledged the changes proposed. 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>
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</thead>
<tbody>
<tr>
<td>57</td>
<td>873.29</td>
<td>869.29</td>
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</table>

*As referenced to the NAVD 1988 Datum

Soils & Erosion Control: Soils affected by the proposal are Zimmerman, Lino, and Seelyeville. Project site is greater than 1 acre; an NPDES permit is required.
**Stormwater & Hydraulics:** 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.

**Wetlands:** Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. The wetland boundary has been reviewed.

The applicant has requested a no loss determination as it is exempt under the Minnesota Wetland Conservation Act Rules 8420.0420, subp. 6 - Utilities. No permanent wetland or ditch impacts will result from the project.

**Wildlife:** The proposed project does not include endangered & threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, 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 ESCROWS:** $11,750.00

<table>
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<th>ISSUES/CONCERNS:</th>
<th>NEEDS:</th>
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<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>
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<td><strong>Escrows:</strong> $2,000 + (19.5 ac x $500/ac) = $11,750.00</td>
<td>2. Receipt of escrows</td>
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**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.