COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 8, 2013
AGENDA NUMBER: 17
FILE NUMBER: 13-059
ITEM: NNG Lexington Avenue maintenance 2013

RECOMMENDATION: Approve with 2 stipulations

APPLICANT: Dave Nickel
Northern Natural Gas Company
1120 Centre Pointe Drive, Suite 400
Mendota Heights, MN 55120

PURPOSE: Remediate of pipeline with insufficient cover in County Ditches 44-7 and 44-8 and an Ag field.

LOCATION: From Northern Natural Gas substation located just North and West of the CSAH 116 and CSAh 17 intersection following the NNG lines to the East South East across CD 44-7. (Approximately 2525 feet)
**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.
3. The lands and water that have been, or may be covered by the regional flood.
4. 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. Cover Letter; dated 5/30/13, recd. 5/30/13
2. Joint Application form, revised; dated 5/29/13, recd. 3/30/13
3. Project SWPPP, dated May of 2013, received 5-31-13
4. Application addendum dated 6/26/13, received 6/26/13

**HISTORY & CONSIDERATIONS:** This project has not been reviewed by the Board. This project is separate but related to the CSAH 17 Reconstruction from Main Street to Bunker Lake Blvd.

**FINDINGS:**

**Ditches and Drainage:** There are public ditches on the property. The ditches are County Ditch 44-7 and 44-8. The trend in land use for this drainage area is toward agriculture and open space. There are no flooding concerns downstream. Alternatives to additional drainage were not considered.

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

**Groundwater:** Surficial ground water is present at an unknown elevation. The site does include groundwater sensitive areas. Information is not required to substantiate low floor elevations, no structures are proposed.

**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 includes two utility line crossing. Property owners will not be affected by changes in drainage. The approved ditch bottom elevation at the utility line crossing site is listed below. The crossing at County Ditch 44-7 is currently placed 10’ below the required elevation. The crossing at County Ditch 44-8 is too close to a hub station to lower the line at a sufficient slope to meet the 4’ separation requirement. The applicant is proposing to extend the protective casing around the lines beyond the
proposed ditch alignment to protect the pipe. Both existing lines under County Ditch 44-8 will have a minimum of 2’ of cover as well as the protective casing.

<table>
<thead>
<tr>
<th>County Ditch</th>
<th>Approved Bottom Elev.</th>
<th>Approved Top of Pipe Elev.</th>
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<tbody>
<tr>
<td>44-7</td>
<td>889.1</td>
<td>885.1</td>
</tr>
<tr>
<td>44-8</td>
<td>888.5</td>
<td>884.5</td>
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**Soils & Erosion Control:** Soils affected by the proposal are Rifle and Zimmerman. Stabilizing vegetation is proposed in the SWPPP for disturbed areas within two weeks of final grading. Adjacent properties are protected from sediment deposition. All wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from sedimentation, and erosion. 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. Stormwater leaving the site is discharged into a well defined receiving channel and routed to a public drainage system. Drainage sensitive uses do exist down stream 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.

**Water Quality:** Project does not include new impervious drainage areas greater than 1 acre. 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.

**Wildlife:** The proposed project does not include endangered & threatened species, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, wildlife travel corridors. The site does not include rare natural communities. 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.

**Wetlands:** Wetlands do exist on-site according to the NWI, Soil Survey and 1987 Manual Midwest Regional Supplement.

The applicant has applied for at Public Utilities Exemption under the Wetland Conservation Act. The application meets the standards for public utilities exemption.

The project proposes restoration of all disturbed areas to pre-construction elevations and land use.

There are no proposed permanent wetland impacts.

**Escrows:** Escrows have not been paid.
**Performance Escrow:** $1500 + (15 acres *200/acre) + (200 LF of ditch * $10/LF) = $6,500.00

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<th>ISSUES/CONCERNS</th>
<th>Needs</th>
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<tr>
<td>Escrows: Escrows have not been paid.</td>
<td><strong>Performance Escrow:</strong> $1500 + (2acres *200/acre) + (100 LF of ditch * $10/LF) = $2,900.00</td>
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**Maintenance:** Elevations of the existing pipelines are unknown. The proposed activities include lowering the pipeline to provide a minimum of 4 feet cover; however, proposed top of pipe elevations are not included in the submittal. As-built drawings with elevations will be required to document that the top of pipe casing at CD 44-8 to verify post construction depths for our records.

**CONCLUSIONS:** This project does meet District standards. Performance Escrows and Maintenance items must be submitted prior to issuance of a permit.

**RECOMMENDATION:** Approve with 2 stipulations

**Stipulations:**
1. Receipt of escrows.
2. As-built drawings with elevations will be required to document that the top of pipe casing at CD 44-8 to verify post construction depths for our records.