COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 14, 2019
AGENDA NUMBER: 22
FILE NUMBER: 18-153
ITEM: Elk River Loop Dig

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Division Environmental Specialist – Northern Natural Gas
Attn: Kelly Henry
1120 Centre Pointe Drive, Suite 400
Mendota Heights, MN 55120-1275

PURPOSE: Gas line pipe repair, 500 LF

LOCATION: West of 155th Ln and Hummingbird St, Andover 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
3. The lands and waters that have been or may be covered by the regional flood.
4. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
2. Project Location Figure; by BRK Environmental Consulting, Inc., dated 7/26/18, received 11/30/18.

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 37 according to the public drainage map. The approved/as-built elevations through this property are 889.6 ft MSL at the downstream end and 889.7 ft MSL at the upstream end.

The ditch is a 2nd order stream. The ditch serves the primary role of
a. Storm water conveyance

There are no changes proposed to the ditch.

Ditch Hydraulics: A crossing of the ditch is not proposed.

Erosion and Sediment Control: Soils affected by the proposal are Isanti and Rifle.
• Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
• Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.
• Adjacent properties and stormwater ponds are not protected from sediment deposition. Double row of perimeter control at waterbodies/creeks/wetlands
• Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided.
• No storm sewer proposed or impacted as part of the project. All work adjacent to water or related resource has not taken precautions to contain sediment and stabilize the work area during construction.
• Provisions have not been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
• Provisions have not 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 not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• No details provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

**Dewatering:** Shallow ground water may exist on site. The project may require dewatering.

**Floodplain:** There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 894.2 feet. The project proposes to place temporary fill within the floodplain during construction activities. The final floodplain impact is 0 acre-feet. The proposed impact is within the flood fringe. Compensatory storage is not needed. There are no flooding concerns upstream and/or downstream.

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

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

The project site is within the 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:** It is unknown if the proposed project is consistent with local planning and zoning. The applicant has not applied to the city, but the city has advised the applicant of their requirements. There is an approved local water plan.

**Maintenance:** No Stormwater Management features or treatment practices proposed for the project.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.
**Stormwater & Hydrology:** Infiltration requirements do not apply to proposed project, no impervious proposed.

Drainage sensitive uses do 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 volume, velocity and peak water flow rates of stormwater runoff expected as part of the project. No concentrated storm water proposed. No on-site constructed storm water conveyance channels proposed 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 not within one (1) mile of an Impaired 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 not been delineated. The wetland is not a DNR protected water.

The total proposed wetland impact is 0 square feet.

The project is not exempt, but the project qualifies for no-loss provisions of the WCA. The WCA approval decision occurred on 8/30/18.

The applicant does not need to contact the DNR area hydrologist and the Corps of Engineers.

**Wetland Replacement Plan:** A wetland replacement plan has not been submitted and is not required

**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. The applicant has not contacted the MDNR natural heritage or endangered species program and does not need to.

If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species.

**Performance Escrow:** $2,210
**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 + (0.42ac * $500/ac) = $2,210</td>
<td>1. Receipt of escrows.</td>
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**Soils & Erosion Control:** No erosion control plan provided.

It is unclear if dewatering is needed during the construction of the proposed project.

2. Provide Erosion Control Plan with the following information:
   - Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.
   - Soil stockpiles to be fitted with sediment-trapping measures to prevent soil loss.
   - Adjacent properties and stormwater ponds are not protected from sediment deposition. Double row of perimeter control at waterbodies/creeks/wetlands.
   - Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases.
   - Provisions to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
   - Provisions for cleaning road surfaces where sediment is transported by the end of the day.
   - Construction entrance points clearly located on the erosion and sediment control plan.
   - Provide for the repair and maintenance of all temporary and permanent...
erosion and sediment control practices.

i. Details of ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

3. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule, quantities, DNR Water Appropriations Permit.

RECOMMENDATION: Approve with 3 Stipulations

Stipulations:
1. Receipt of escrows.
2. Provide Erosion Control Plan with the following information:
   a. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.
   b. Soil stockpiles to be fitted with sediment-trapping measures to prevent soil loss.
   c. Adjacent properties and stormwater ponds are not protected from sediment deposition. Double row of perimeter control at waterbodies/creeks/wetlands
   d. Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases.
   e. Provisions to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
   f. Provisions for cleaning road surfaces where sediment is transported by the end of the day.
   g. Construction entrance points clearly located on the erosion and sediment control plan.
   h. Provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
   i. Details of ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

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