COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE:   November 14, 2016
AGENDA NUMBER: 12
FILE NUMBER:   16-169
ITEM:      NLB 4 131st Ave- Single Phase Tap (Connexus)

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Connexus Energy
            Attn: Debbie Tyler
            14601 Ramsey Blvd NW
            Ramsey, MN 55303

PURPOSE: Replace overhead line with underground line

LOCATION: East of Crooked Lake Blvd along 131st Ave NW, Coon Rapids, Minnesota
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. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Land Uses).

EXHIBITS:
1) Project Schedule and Exhibits by Connexus Energy, dated 11/2/16, received 11/2/16.

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 57 according to the public drainage map. County ditch 57 was established in 1917. The approved ditch centerline elevation through this property is 852.1 feet MSL (NAVD 1988). The ditch was last inspected in 2014 (103E.075 subd 4). The 2014 observed centerline elevation through this property is 853.8 feet MSL (NAVD 1988). Observed elevation of ditch 57 represent a 1.7 foot variance from the approved elevation. The top of the new underground cable shall be at least 4’ below the approved grade or no higher than 848.1 feet MSL (NAVD 1988; District rule 8.6).

The ditch is a 5th order stream. The ditch serves the primary role of a trunk drainage system. The ditch directly serves approximately 0 acres of nearby agricultural land. Land use in the area is single family residential. There are flooding concerns 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. The 16.5 foot grass strip has been inspected (103E.075 subd 4). The grass strip is not in need of repair or maintenance.

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

Erosion and Sediment Control: Soils affected by the proposal are Nymore and Alluvial.

- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading. Applicant notes restoration as soon as possible after construction.
- Soil stockpiles are not proposed 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 does not pass 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 work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
• Transport of sediment (mud) by runoff or vehicle racking onto the paved surface is not expected as part of the project.
• Construction entrance points are 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:
Shallow ground water does exist on site. The project does not require dewatering.

Floodplain: There is floodplain on the property according to the District model. The project does not propose to place fill within the floodplain. 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.

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 not 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.

Property owners affected by changes in drainage have not been notified and acknowledge the changes proposed.

Maintenance: No Stormwater Management features and treatment practices are proposed as part of the project.
Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.

**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 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 stormwater 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 discharges into wetlands are pretreated by a sediment basin/water quality pond, and are designed correctly. 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 and drains to an Impaired Water. The Impaired Water is Coon Creek. Coon Creek is impaired for (Aquatic Life (Macro-invertebrates) / Aquatic Recreation (E. coli)). The major stressors of Total Suspended Solids (TSS) / Total Phosphorus (TP) / E.coli. There is not 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:** Wetland do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.

**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.

**Performance Escrow:** $2,004.00
**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 + (.008 ac * $500/ac) = $2,004.00</td>
<td>1. Receipt of escrows.</td>
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<td>Soils &amp; Erosion Control: District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.</td>
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RECOMMENDATION: Approve with 3 Stipulations

Stipulations:
1. Receipt of escrows.
2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.
3. Provide as-built confirmation that the new cable is no higher than 848.1.