COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 24, 2018
AGENDA NUMBER: 9
FILE NUMBER: 18-169
ITEM: Connexus Energy – CSAH 78

RECOMMENDATION: Approve with 3 Stipulations

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

PURPOSE: Relocation/updating of electric utilities for CSAH 78 road reconstruction

LOCATION: Hanson Blvd at Coon Creek, Andover MN
APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. Any work in or adjacent to wetlands, lakes or water courses.
4. The lands and waters that have been or may be covered by the regional flood.
5. Endangered, Threatened or Special concern species, elements or communities.

EXHIBITS:
1. Construction Plan set (3 sheets); by Connexus Energy, undated, received 9/12/18.
2. Project Narrative; by Connexus Energy, undated, received 9/12/18.
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 Coon Creek according to the public drainage map. The approved/as-built elevations through this property are 864.2 ft MSL at the downstream end and 864.3 ft MSL at the upstream end.

The ditch is a 5th order stream. The ditch serves the primary role of
  a. Trunk drainage system

The ditch serves approximately 0 acres of agricultural land.
Land use in the area is toward residential and industrial.
There are no flooding concerns.

The ditch has been inspected.
Existing elevations, slopes and condition of ditch are good.
The ditch is not in need of repair.

Ditch Hydraulics: An underground boring of the ditch is proposed.

Erosion and Sediment Control: Soils affected by the proposal are Seelyeville.
  • Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
• Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss.
• 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.
• No storm sewer lines are impacted by this project.
• All work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
• Provisions have been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
• Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.
• Construction entrance points are clearly located on the erosion and sediment control plan.
• The erosion and sediment control plan does 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 may require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 875.8 feet. The project does not propose to place fill within the floodplain. There are flooding concerns upstream.

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

Groundwater: Geotechnical information has not been provided and is not needed.

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 been notified and acknowledge the changes proposed.
**Maintenance:** There are no Stormwater Management features or treatment practices proposed as part of this project.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.

**Stormwater & Hydrology:** No new impervious proposed or changes to stormwater runoff are proposed as part of the project, storm water requirements do not apply. 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 not 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 storm water runoff are expected. No concentrated storm water proposed as part of this project. No on-site constructed storm water conveyance channels are proposed as part of this 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 within one (1) mile of 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 are Total Suspended Solids (TSS)/Total Phosphorus (TP)/E.coli. There is 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:** Wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated.

There are no proposed wetland impacts.

The de minimis is 2,500 sf (type 1 2, 6, 7, 8) or 400 sf (type 3, 4, 5). TEP members have not been notified with a complete plan and have not been requested to submit comments. The project is not wetland dependent.

The project is exempt.

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 is not required 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:** $2,020  
**Wetland Escrow:** $N/A  
There are not ditch liens on the property.

### ISSUES/CONCERNS:

<table>
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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (0.04 ac * $500/ac) = $2,020</td>
<td>1. Receipt of escrows.</td>
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<td>Ditch Hydraulics: An underground utility crossing is proposed as part of the project.</td>
<td>2. As-built will need to be provided that ensures there is a 4-foot separation from the bottom of the approved ditch elevation (864.2 ft NAVD 88) to the top of the conduit is provided.</td>
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<td>Soils &amp; Erosion Control: It is unclear if dewatering is needed during the construction of the proposed project.</td>
<td>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 and quantities.</td>
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### RECOMMENDATION: Approve with 3 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. As-built will need to be provided that ensures there is a 4-foot separation from the bottom of the approved ditch elevation (864.2 ft NAVD 88) to the top of the conduit is provided.
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 and quantities.