COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE:          October 23, 2017
AGENDA NUMBER:        7
FILE NUMBER:           17-197
ITEM:                 Hanson Blvd Connexus Power Line Installation

RECOMMENDATION:       Approve with 2 Stipulations

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

PURPOSE:              Power line installation over Coon Creek

LOCATION:             Hanson Blvd NW between 121st Ave NW and Gateway Dr NW, Coon Rapids 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.
EXHIBITS:
1. Project Overview; by Connexus Energy; dated September 20, 2017; received October 11, 2017.
2. Coon Creek Culvert Crossing Detail; by Connexus Energy; dated September 14, 2017; received October 11, 2017.
3. Project Plan; by Connexus Energy; received October 11, 2017.

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 Ditch 54, according to the public drainage map. The approved elevations through this property are 844.8 ft MSL at the downstream end and 844.6 ft MSL at the upstream end. The 2013 existing elevations through this property are 848.3 ft MSL at the upstream end and 848.3 ft MSL at the downstream end. This represents a 3.5-3.7 ft variance from the approved elevations. 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 directly. Land use in the area is toward residential. There are flooding concerns upstream. The ditch has been inspected. 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.

Ditch Hydraulics: A crossing of the ditch is proposed for utility installation.

Erosion and Sediment Control: Soils affected by the proposal are Isanti, Rifle and Zimmerman.

- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles may be present 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 pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity.
- Stabilization adequate to prevent erosion has been provided at the outlets of all storm sewer pipes.
- All storm sewer inlets are protected from sediment-laden water during construction.
- All work adjacent to water or related resource has 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 tracking 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 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:** It is unknown if shallow groundwater exists on site. Dewatering is not anticipated as part of the project.

**Floodplain:** There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 858.2 feet. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream and/or downstream.

**High Water Flooding:** It is unknown if shallow groundwater exists on site. The project does not require dewatering.

**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.

No changes to drainage proposed as part of the project.

**Maintenance:** No Stormwater Management features or treatment practices are proposed.

**Stormwater & Hydrology:** No new impervious proposed as part of the project, infiltration requirements not applicable. 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 the volume, velocity and peak water flow rates of stormwater runoff are expected. No concentrated storm water is 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 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 County Ditch 57 (Coon Creek). County Ditch 57 (Coon Creek) is impaired for Aquatic Life (Macro-invertebrates) and Aquatic Recreation (E. coli). The major stressors are Total Phosphorus (TP) and 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 exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. There are no wetland impacts.

**Wetland Replacement Plan:**
A wetland replacement plan 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:** $2,020.00
**Wetland Escrow:** $ N/A
There are not ditch liens on the property.

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<tr>
<th><strong>ISSUES/CONCERNS:</strong></th>
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<tr>
<td><strong>ISSUE</strong></td>
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<tr>
<td>Escrows: $2,000 + (0.04 ac * $500/ac) = $2,020.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Soils &amp; Erosion Control: Project length unknown, additional erosion control measures may be needed.</td>
<td>2. Update erosion control plan with the following information: a. If soil stockpiles from open trench will be in place more than</td>
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Provisions have not been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface or the cleaning road surfaces where sediment is transported by the end of the day.

| 24 hours, provide erosion control measures around stockpiles to prevent sedimentation of Coon Creek. |
| b. Provide a note for the minimizing of sediment transport onto paved surfaces and the cleaning of sediment (mud) by runoff or vehicle tracking onto the paved surface by the end of the day. |

**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Update erosion control plan with the following information:
   a. If soil stockpiles from open trench will be in place more than 24 hours, provide erosion control measures around stockpiles to prevent sedimentation of Coon Creek.
   b. Provide a note for the minimizing of sediment transport onto paved surfaces and the cleaning of sediment (mud) by runoff or vehicle tracking onto the paved surface by the end of the day.