COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 25, 2016
AGENDA NUMBER: 7
FILE NUMBER: 16-058
ITEM: Connexus Energy – Main St (Radisson to Harpers)

RECOMMENDATION: Approve with 1 Stipulation

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

PURPOSE: Installation of underground utilities.

LOCATION: Along Main St between Radisson and Harpers St in Blaine, Minnesota.
APPLICABILITY:
1) Any activity involving drainage, filling or alteration of wetlands (1.09)
2) Project site is not greater than 5 acres, a NPDES permit is not required

EXHIBITS:
1) Construction Memo by Connexus Energy, undated, received 4/12/16.
2) Project Plan/Ditch Map by Connexus Energy, dated 4/11/16, received 4/12/16.

HISTORY & CONSIDERATIONS: This is a new application.

FINDINGS:
Ditches: There are public ditches on the property. The public ditches are County Ditch 59-4, 59-8, 59-9 according to the public drainage map. The Ditch 59 system was inspected in 2012. Ditch 59-4 was privately repaired in 2013-14. The ditches are not in need of repair.

The approved elevation and grade of Ditch 59-4 at Main Street is 893.6 ft MSL at a 0.06% slope. Existing elevation, slope and condition of the ditch is 893.4 ft MSL, 0.06%, good and represent a -0.2 ft variance from the approved elevations. Alternatives to repair and additional drainage have been considered and reviewed.

The approved elevation and grade of Ditch 59-8 at Main Street is unknown. Existing elevation, slope and condition of ditch is 897.0 ft MSL, 0.05%, fair and represent an unknown variance from the approved elevation. Alternatives to repair and additional drainage have been considered and reviewed.

The approved elevation and grade of Ditch 59-9 at Main Street is unknown. Existing elevation, slope and condition of the ditch is 895.3 ft MSL, 0.04%, fair and represent an unknown variance from the approved elevation. Alternatives to repair and additional drainage have been considered and reviewed.

The ditches are all 1st order. The ditches serve the primary role of
a. Storm water conveyance

The ditches serve approximately 0 acres of agricultural land.
Land use in the area is open space, park and residential.
There are flooding concerns downstream.

A 16.5 foot grass strip is required.
A 16.5 foot grass strip is present
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:
A crossing of the ditch is not proposed.
Erosion and Sediment Control: Soils affected by the proposal are Lino, Rifle, Zimmerman. Stabilizing vegetation is proposed for disturbed areas within two weeks (14 days) of rough grading as part of the 14-023 CSAH 14 Reconstruction Project. Adjacent properties and stormwater ponds are protected from sediment deposition. Project site is not greater than 1 acre, a NPDES permit is not required.

Floodplain: There is floodplain on the property according to the District model and FEMA. The project does not propose to place fill within the floodplain. The total floodplain impact is 0 acre-feet. The proposed impact is within the floodway/flood fringe. Compensatory storage is not needed. There are no flooding concerns upstream or downstream.

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

The site is not within a Drinking Water Supply Management Area (DWSMA). The project site is not within the 10 Year Well Head Protection Area. The project site is not within the Emergency Response Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

High Water Flooding: Proposed construction does not include buildings; low floors do not need to be substantiated.

Dewatering: The project does not require dewatering.

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: Operation and Maintenance Agreement is not needed; no storm water/infiltration ponds are being constructed.

Easements: The proposed project does not include ditch maintenance easement; no storm water/infiltration ponds are being constructed.

Stormwater & Hydrology: The applicant does not need to meet volume or rate control requirements for an underground utility line installation, negligible new impervious proposed (utility poles only new impervious).
**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.

The erosion control plan is included in the CSAH 14 Reconstruction project.

There are no new impervious surfaces proposed as part of this project.

**Wetlands:** Wetland do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have been delineated. The most recent delineation was completed on 9/4/15. The wetland boundary has been checked.

The proposed work is considered a No Loss under the Wetland Conservation Act.

The wetland is not a DNR protected water.

The total proposed wetland impact is 0 square feet.

TEP members have been notified with a complete plan and have not been requested to submit comments.

The project is not wetland dependent.

The project is a No Loss.

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

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

**Wildlife:** The proposed project does include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors. 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. The DNR has issued a Takings permit for the work in this area.

There are Ground Water Dependent water resources on site. The Ground Water Dependent Water Resources are:
- areas of shallow groundwater
- lakes, streams, and wetlands

The proposed project does not result in:
- Loss of any existing environmental value linked to receiving waters
- Pose a significant threat to aquatic fauna or flora, especially groundwater-dependent ecosystems,
- Soil erosion or local flooding
- Harm to native vegetation (via flooding or toxicity)
- Erosion of structures or services
- Sediment build-up in drains, waterways or wetlands
- Nuisance to the local community such as foul odors; harm to plants or property
- Hazard to human health or safety
- Loss or discernible reduction of flow in public or private water sources.

No Steps are proposed for avoiding or minimizing impacts.

**Performance Escrow:** $2,090.00
**Wetland Escrow:** $ N/A
There are not ditch liens on the property.

**FINDINGS/ISSUES/CONCERNS:**

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (.18 ac* $500/ac) = $2,090.00</td>
<td>Receipt of escrows</td>
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**RECOMMENDATION:** Approve with 1 Stipulation

**Stipulation:**
1. Receipt of escrows.