COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 14, 2014
AGENDA NUMBER: 21
FILE NUMBER: 14-037
ITEM: University Avenue Centerpoint Utilities

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT: Steve Guhanick
Centerpoint Energy
700 W Linden Ave
Minneapolis MN 55403

PURPOSE: Directional bore conduit under CD 41 and CD 39

LOCATION: University Ave. from Approximately 124th Ave. NE to 109th Ave. NE
APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. High water table, outwash and organic soils.
3. High infiltration soils.
4. Highly erodible soils

EXHIBITS:
1. Plans from CenterPoint Energy; dated 3/14/2014; received 3/19/2014

HISTORY & CONSIDERATIONS:
Anoka County Highway Department is reconstructing University Avenue and has requested Centerpoint Energy to relocate their gas main to facilitate the reconstruction of University Avenue.

FINDINGS:
Ditches and Drainage: There is a public ditch on the property. The ditch is County Ditch 41 (Sand Creek) and County Ditch 39.

Floodplain: There is floodplain on the property according to FEMA. The District Atlas 14 model predicts the 100-year elevation for the subwatershed at 883.9 feet upstream of University Ave. on CD 41 and 893.7 feet upstream of University Ave. on CD 39. Elevations from the District model are referenced to the NGVD 1929 vertical datum. The total floodplain impact is 0 acre-feet.

Groundwater: Groundwater information was not provided and is not needed for a directional bore project.

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.

Maintenance: The proposed project does include a ditch maintenance easement or utility line crossings.

Soils & Erosion Control: Soils affected by the proposal are Isanti.

Stormwater & Hydraulics: Stormwater and hydraulics were not reviewed for this project as is not necessary for a directional bore project.

Water Quality: Project does not include impervious drainage areas greater than 1 acre. There are no discharges into wetlands. 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.
**Wetlands:** Wetlands exist on-site according to the 1987 Federal Manual and its associated supplement(s), NWI, and Soils Survey. There will be no wetland impacts.

**Wildlife:** The proposed project does not include endangered & threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, 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.

**Performance escrow:** $2,004.50

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<tr>
<th>ISSUES/CONCERNS:</th>
<th>NEED:</th>
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<tr>
<td><strong>Maintenance:</strong></td>
<td>1. Provide approved elevations for the ditch bottoms and top of pipe elevations at CD 39 and CD 41 in drawings.</td>
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<td>The directional bore under Coon Creek Watershed district public ditches must be a minimum of 4 foot below the approved elevation of the ditch. A detail is shown on the plans for the utility line crossing at CD 41. The approved elevation of CD 41 at University Ave. is 878.0 as referenced to the NGVD29 vertical datum. Therefore, the top of the utility line must be no higher than 874.0 when crossing CD 41. There is no mention of the proposed utility line crossing at CD 39 between 114th and 115th Avenues Northeast as shown on Sheet 2/3. The approved grade of CD 39 at University Avenue is 883.6 as referenced to the NGVD29 vertical datum. Therefore, the top of the utility pipe must be no higher than 879.6 or as referenced to the NGVD29 vertical datum. It will be required that the applicant provide the District with as-built survey for verification.</td>
<td>2. Provide similar detail to utility line crossing at CD 39.</td>
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<td>3. Provide As-built survey elevations of the ditch bottom and the top of pipe.</td>
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**Escrows:**

$1,500 + (.01 acres x $500/acre)  
= $2,004.50

**RECOMMENDATION:** Approve with 4 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Provide approved elevations for the ditch bottoms and top of pipe elevations at CD 39 and CD 41 in drawings.
3. Provide similar detail to utility line crossing at CD 39
4. Provide As-built survey elevations of the ditch bottom and the top of pipe.