COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: November 13, 2017
AGENDA NUMBER: 10
FILE NUMBER: 17-210
ITEM: Comcast Coon Creek Crossing at 131st Ave NW

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Comcast
Attn: Scott Ruppert
4255 Lexington Ave North
Arden Hills, MN 55126

PURPOSE: Connection of existing utility pole to a new Comcast vault

LOCATION: 131st Ave 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.
5. 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. Permit Application Signed and dated 10-27-17, received 10-30-17.
2. Construction Plan set (2 sheets); by ComTek Engineering Inc, dated 10-13-17, received 10-30-17.

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. The approved elevations through this property are 852.1 ft MSL at the downstream end and 852.2 ft MSL at the upstream end. Existing 2014 elevations of the ditch are 853.8 ft MSL at the downstream end and 853.9 ft MSL at the upstream end and represent a 1.7 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. Land use in the area is toward residential. There are no flooding concerns upstream or downstream. The ditch has been inspected. Existing elevations, slopes and condition of ditch are good. 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 not proposed.

Erosion and Sediment Control: Soils affected by the proposal are Alluvial Land.
- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.
- Adjacent properties and stormwater ponds are not 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 not been provided.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and is not needed.
- Impacts to existing storm sewer pipes are not expected as part of this project.
- All work adjacent to water or related resource has not 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 racking 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 not clearly located on the erosion and sediment control plan.
• The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

Dewatering: Shallow ground water does exist on site. Dewatering is not anticipated.

Floodplain: There is floodplain on the property according to the District model. The District’s floodplain elevation is at 862.4 feet. 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 because no structures or infiltration practices are proposed.

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 expected as part of the project.

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: No impervious proposed, stormwater requirements do not apply. 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 storm water 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. 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). The major stressor is Total Phosphorus (TP). 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:** Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. No impacts are proposed.

**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:** $2001.50

**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 + (0.003 ac * $500/ac) = $2001.50</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Ditches: Project proposes utility crossing below County Ditch 57.</td>
<td>2. Provide As-Built to ensure 4-foot separation is met between approved ditch elevation (852.1 NAVD 88) and top of conduit.</td>
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Soils & Erosion Control: Erosion and sediment control plan does not meet district requirements

|   | 3. Provide erosion control plan that meets district requirements as listed above in the Erosion & Sediment Control section. |

RECOMMENDATION: Approve with 3 Stipulations

Stipulations:

1. Receipt of escrows.
2. Provide As-Built to ensure 4-foot separation is met between approved ditch elevation (852.1 NAVD 88) and top of conduit.
3. Provide erosion control plan that meets district requirements as listed above in the erosion and sediment control section.