COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 23, 2020
AGENDA NUMBER: 10
FILE NUMBER: 20-045
ITEM: Coon Rapids River Walk

RECOMMENDATION: Approve with 3 Conditions and 1 Stipulation

APPLICANT: Zayo Group LLC
5005 Cheshire Parkway Ste 1
Plymouth, MN 55446

PURPOSE: Fiber optic cable relocation

LOCATION: Coon Creek crossing at Coon Rapids Blvd, Coon Rapids

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. High water table, outwash and organic soils
6. High infiltration soils
7. Highly erodible soils
8. Excavation or filling or a combination of excavation and filling of sand or other excavation or fill material including the laying, repairing, replacing or enlarging of a culvert or an underground pipe or facility where it crosses a public ditch or waters of the state.

EXHIBITS:

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 Lower Coon Creek according to the public drainage map. The elevation through this property is 832.6 ft MSL. The ditch is a 5th order stream. The ditch serves the primary role of 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. The ditch is not in need of repair. Alternatives to repair and additional drainage have been considered and reviewed.

Ditch Hydraulics: A crossing of the ditch is proposed. The proposed crossing involves the installation of a new underground fiber optic line.

Erosion and Sediment Control: Soils affected by the proposal are Nymore, Alluvial, Hayden and Zimmerman.
- Stabilizing vegetation is 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 and do not have a note to stabilize within seven (7) days of inactivity. Soil stockpiling is not anticipated.
- Adjacent properties and stormwater ponds are not protected from sediment deposition. Double row of perimeter control at waterbodies/creeks/wetlands.
• 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 not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and is not needed.
• 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 not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• Details provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does exist on site. The project does not require dewatering. An assessment of risks to other water and related resources has not been conducted.

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.

Groundwater: Geotechnical information was not collected for this project.

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 applicant has not applied to the City and it is not required.

Maintenance: There are no proposed stormwater management features or treatment practices proposed for this project.
Easements: A ditch maintenance easement is not required.

**Stormwater & Hydrology:** Infiltration requirements not applicable, no impervious proposed.

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 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 Waters are Lower Coon Creek and the Mississippi River. Both are 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 Coon Creek. There is not an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for the Mississippi River.

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.

**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.

**Performance Escrow:** $3,205.00

**Wetland Escrow:** N/A

There are not ditch liens on the property.

**ISSUES/CONCERNS:**

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<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td><strong>Escrows:</strong> $2,000 + (0.01 ac * $500/ac) + ($20/ft of ditch frontage) = $3,205.00</td>
<td>1. Receipt of escrows.</td>
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<td><strong>Ditches:</strong> Approved elevations are not depicted on plans for utility crossing.</td>
<td>2. Update construction plans to show a minimum 4’ separation from 824.5 ft; NAVD 88 and the top of cable.</td>
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| **Soils & Erosion Control:** The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices. Adjacent properties and stormwater ponds are not protected from sediment deposition. Provisions have not been made to minimize transport of sediment onto paved surfaces, or for cleaning road surfaces where sediment is transported by the end of the day. | 3. Update construction plans to include:  
   a. A note providing for the repair and maintenance of all temporary and permanent erosion and sediment control practices.  
   b. Double row of perimeter control adjacent to the ditch and wetland.  
   c. A note specifying measures to minimize transport of sediment onto paved surfaces, and for cleaning paved surfaces where sediment is transported by the end of the day. |

**RECOMMENDATION:** Approve with 3 Conditions and 1 Stipulation

**Conditions:**
1. Receipt of escrows.
2. Update construction plans to show a minimum 4’ separation from 824.5 ft; NAVD 88 and the top of pipe.
3. Update construction plans to include:
   a. A note providing for the repair and maintenance of all temporary and permanent erosion and sediment control practices.  
   b. Double row of perimeter control adjacent to the ditch and wetland.  
   c. A note specifying measures to minimize transport of sediment onto paved surfaces, and for cleaning paved surfaces where sediment is transported by the end of the day.

**Stipulations:**
1. Submittal of as-builts for depth of fiber at Lower Coon Creek crossing. Top of utility must be 4 feet below bottom of ditch elevation at Coon Rapids Blvd (824.5 ft; NAVD 88).