COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: November 25, 2019
AGENDA NUMBER: 8
FILE NUMBER: 19-215
ITEM: Coon Rapids 161

RECOMMENDATION: Table with 7 Stipulations

APPLICANT: MCImetro
1200 Washington Ave N
Minneapolis, MN 55401

PURPOSE: Installation of fiber optic cable crossings at Main St and Hanson Blvd

LOCATION: Main St (CR-14), 121st Ave NW & Hanson Blvd (CR-78), 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. 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:
2. Directional Drilling Frac-out Prevention (1 sheet); by MasTec Utility Services, undated, received 11/13/2019.
3. Directional Drill Frac-out Procedures (2 sheets); by MasTec Utility Services, undated, received 11/13/2019.
5. 

[Diagram of creek bed and pipe installation with dimensions]
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 ditches are Coon Creek and County Ditch 54-4 according to the public drainage map. The elevation of Coon Creek through this property are 844.7 ft MSL at the downstream end and 848.6 ft MSL at the upstream end. The elevation of CD 54-4 is 860.2 ft MSL.

Coon Creek is a 5th order stream and CD 54-4 is a 3rd order stream. The ditches serve the primary roles of collector system and trunk drainage. The ditches serve approximately 0 acres of agricultural land. Land use in the area is toward residential. There are flooding concerns 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 in three locations, Main St, 121st Ave NW and Hanson Blvd. The proposed crossings involve the installation of fiber optic conduits below the ditch.
Erosion and Sediment Control: Soils affected by the proposal are Nymore, Sartell, Duelm, Rifle and Alluvial.

- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles are not anticipated as a part of this 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 not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity as 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 been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.
- Provisions have 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.
- Details are provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water may exist on site. Dewatering may be required.

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation at the crossing of Coon Creek (CD 57) at Main St (CR-14) is at 858.6 feet. The District’s floodplain elevation at the crossing of Coon Creek (CD 54) at Hanson Blvd (CR-78) and 121st Ave NW is at 857.8 feet. The project does not propose to place fill within the floodplain. No floodplain impact is anticipated as a result of this project. Compensatory storage is not needed. There are flooding concerns upstream and downstream.

High Water Flooding: Information to substantiate low floor elevations is not required as there are no new structures proposed as part of this project.

Groundwater: Geotechnical information is not required, no structures or infiltration proposed.
A portion of the project site is within a 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.

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

Easements: The proposed project does not include a ditch maintenance easement. A ditch maintenance easement is not required.

**Stormwater & Hydrology:** Infiltration requirements are not applicable to this project, no new impervious surfaces proposed.

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 volume, velocity, or peak water flow rates of stormwater runoff are expected. No concentrated stormwater is expected as part of this project. No on-site constructed stormwater conveyance channels will be constructed as part of this 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 discharges into wetlands/stormwater basins are pretreated via overland 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 Coon Creek. Coon Creek is 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 this water.

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. Wetlands have not been delineated. Wetlands are adjacent to the project.
**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. The applicant has not contacted the MDNR natural heritage or endangered species program and is not required to.

**Performance Escrow:** $2,150  
**Wetland Escrow:** $ N/A  
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td><strong>Escrows:</strong> $2,000 + (0.3 ac * $500/ac) = $2,150</td>
<td>1. Receipt of escrows.</td>
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| **Stormwater & Hydraulics:** A crossing public ditches is proposed in three locations. | 2. Provide an as-built survey demonstrating a minimum separation of 4 feet between top of conduit and approved ditch elevation for each crossing; all elevation reference NAVD 88 Datum.  
   a. The approved ditch elevation of CD 57 at Main St (CR-14) is 849.4.  
   b. The approved ditch elevation of CD 54 at Hanson Blvd (CR-78) is 845.4.  
3. Provide an as-built survey demonstrating a minimum separation of 4 feet between top of conduit and approved culvert invert elevation.  
   a. The approved culvert invert elevation of CD 54-4 at 121st Ave NW is 847.5.  
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**Soils & Erosion Control:** District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.

It is unclear if dewatering is needed during the construction of the proposed project.

It is unclear of the placement of erosion and sediment control BMPs. BMP’s are not depicted on plans.

5. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.

6. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule and quantities.

7. Depict the location of BMPs at all bore pit locations on plans.

**RECOMMENDATION:** Table with 7 Stipulations

**Stipulations:**

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