COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: February 25, 2019
AGENDA NUMBER: 16
FILE NUMBER: 19-038
ITEM: University Ave. Reconstruction

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: City of Andover
1685 Crosstown Blvd.
Andover, MN 55304

PURPOSE: Curb and Gutter/Mill and overlay of University Ave from Andover Blvd. to 157th Ave.

LOCATION: University Ave from Andover Blvd. to 157th Ave.

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. One or more cumulative acres of land disturbance
4. High infiltration soils
5. Highly erodible soils
6. 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.
7. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
2. Drainage Exhibits (2 sheets); by Andover, dated 12/20/2018, received 2/11/2019
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 not a public ditch on the property

Ditch Hydraulics: A crossing of the ditch is not proposed.

Erosion and Sediment Control: Soils affected by the proposal are Rifle and Zimmerman.
  • Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading on plans.
  • 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 not clearly located on the erosion and sediment control plan but as a liner project access will be at every street intersection.
  • The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

Dewatering: Shallow ground water does not exist on site. The project does not require dewatering.

Floodplain: There is floodplain on the property according to FEMA but not the District model.

Groundwater: Geotechnical information was not provided and is not needed.

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.

Property owners affected by changes in drainage should be notified and acknowledge the changes proposed.

**Maintenance:** The owner of the Stormwater Management features and treatment practices is The City of Andover. The Stormwater Treatment Practices (STPs) consisting of the following:

<table>
<thead>
<tr>
<th>Stormwater Treatment Practices</th>
<th>Number</th>
<th>Inspection &amp; Maintenance Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sumps</td>
<td>2</td>
<td>Andover</td>
</tr>
</tbody>
</table>

As a requirement of the City’s MS4 program, the city will inspect and maintain the stormwater facilities.

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

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is not achieved and is not required for mill and overlay.

**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.

**Impairments:** This project is not within one (1) mile of and drains to an Impaired 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. Wetlands have been delineated in a drainage area south of 146th Lane NW and east of University Ave NE. The most recent delineation was approved on 12/18/18. The wetland boundary has been checked.

The wetland is not a DNR protected water.

The total proposed wetland impact is 0 square feet. The wetland is outside of the construction area.

**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.

If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species will occur.

**Performance Escrow:** $5,750  
**Wetland Escrow:** $N/A  
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (7.5 ac * $500/ac) = $5,750</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>2. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.</td>
</tr>
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<td>Water Quality: All discharges into wetlands/water quality basins are not pretreated by a sediment sump manhole. These sump manholes are not designed correctly for water quality treatment prior to discharge into a wetland or receiving water.</td>
<td>3. Provide calculations (SHSAM can be used to indicate sumps are appropriately sized to meet district removal rates of 80% TSS. A minimum of 4-foot depth is required to prevent resuspension.</td>
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