COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 8, 2019
AGENDA NUMBER: 17
FILE NUMBER: 19-119
ITEM: Roosevelt Middle School Turn Lane Construction

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Anoka-Hennepin School District
2727 Ferry Street North
Anoka, MN 55303

PURPOSE: New bus lane and reconfiguration of existing bus corral
34,848 SQ FT BUILDING ON 37.72 ACRE LOT

LOCATION: 650 125th Avenue NE, Blaine
APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. High infiltration soils.

EXHIBITS:

PREVIOUS ACTION TAKEN: This application was tabled at the June 24th meeting with 4 stipulations:
1. Receipt of escrows.
2. Demonstrate that at a minimum, recharge from impervious surfaces will be infiltrated.
3. Provide updated plans addressing ACHD issues.
4. Update construction plans to include:
   a. A note to stabilize vegetation within 7 days of rough grading or inactivity.
   b. Denote whether soil stockpiles are proposed. If yes, soil stockpiles need to be fitted with sediment-trapping measures to prevent soil-loss and need a note to be stabilized within 7 days of inactivity.
   c. After initial grading completely surround the proposed infiltration basins and storm sewer inlets with erosion control measures to prevent the basin from clogging.
   d. Provide construction schedules detailing when sediment trapping measures will occur and general timing of construction phases.
e. Provide provisions to minimize transport of sediment by runoff or vehicle tracking.

f. Provide provisions for cleaning road surfaces.

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.

Erosion and Sediment Control: Soils affected by the proposal are Cut and Fill, and Lino.

- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss and do have a note to stabilize within seven (7) days of inactivity.
- 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.
- No storm sewer outlets affected by this project.
- 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 not provided for ESC (rip rap)

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

Floodplain: There is no floodplain on the property according to the District model and FEMA.

High Water Flooding: No new structures proposed.
Groundwater: No geotechnical information is provided and is not required.

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. Anoka County Highway Department requires plan revisions. There is an approved local water plan.

Property owners affected by changes in drainage have been notified or acknowledge the changes proposed.

Maintenance: The owner of the Stormwater Management features and treatment practices is Anoka-Hennepin Schools. 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>Curb Cuts</td>
<td>2</td>
<td>Anoka-Hennepin Schools</td>
</tr>
</tbody>
</table>

A maintenance agreement has not been executed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice. It is unknown if the Maintenance Plan is consistent with District Maintenance standards for each STP.

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 achieved. The stormwater management features consist of curb cuts that allow runoff from the parking lot to infiltrate in an amended soil zone.

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. Properties and waterways downstream from the project are protected from erosion due to increases in the volume, velocity and peak water flow rates of stormwater runoff. Concentrated storm water leaving the site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. All on-site constructed storm water conveyance channels are constructed to withstand the expected velocity from a 2-year frequency storm without erosion.
**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 by a sediment basin/water quality pond. 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 Sand Creek CD 41. Sand Creek CD 41 is impaired for Aquatic Life (Macro-invertebrates) and Aquatic Recreation (E. coli). The major stressors are Total Suspended Solids (TSS), Total Phosphorus (TP), and E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) and Waste Load Allocation (WLA) for this water.

There is a net decrease in 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.

**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.

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:** $2,400.00 [$2,000 + (0.80 ac * $500/ac) = $2,400.00] Received #4122

**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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<tbody>
<tr>
<td>Soils &amp; Erosion Control: Rock construction entrance is called out on C1.3 but not shown. Erosion and sediment control devices are not depicted on the amended soils area.</td>
<td>1. Provide rock construction entrance symbology on plans and details. 2. Provide perimeter control on all down gradient areas with exposed soils. Clarify erosion and sediment control in the amended soils area.</td>
</tr>
</tbody>
</table>
**Maintenance**: The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice.

| 3. Provide an O&M Agreement that meets District requirements. |

**RECOMMENDATION**: Approve with 3 Stipulations

**Stipulations**:

1. Provide rock construction entrance symbology on plans and details.
2. Provide perimeter control on all down gradient areas with exposed soils. Clarify erosion and sediment control in the amended soils area.
3. Provide an O&M Agreement that meets District requirements.