COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE:       June 24, 2019
AGENDA NUMBER:     14
FILE NUMBER:       19-119
ITEM:              Roosevelt Middle School Turn Lane Construction

RECOMMENDATION:    Table with 4 Stipulations

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

PURPOSE:            New bus lane and reconfiguration of existing bus corral
                    34848 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:
1. Construction Plan set (5 sheets); by Anderson Johnson, dated 4/11/19, received 5/30/19.

PREVIOUS ACTION TAKEN: This is a new application. This application was initially submitted on 5/30/19.

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 not proposed for disturbed areas within seven (7) days of rough grading.
- Unclear if soil stockpiles are proposed.
- 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 not been provided.
- No storm sewer outlets affected by this project.
- All storm sewer inlets are not protected from sediment-laden water during construction.
- 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 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 may exist on site. The project may require dewatering.

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

High Water Flooding: No low floor elevation provided or required.

Groundwater: No geotechnical information is provided and may not be 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 not 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 not been notified or acknowledge the changes proposed.

Maintenance: No Stormwater Management features and treatment practices are proposed.

A maintenance agreement has not been executed and is not needed. The applicant has not submitted a Maintenance Plan for each Stormwater Treatment Practice.
Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required. A maintenance access to all storm water management features is not provided.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved. There is currently no stormwater management system.

Drainage sensitive uses do exist downstream from the proposed site. The rate of post-development runoff from the site does exceed predevelopment rates, but not rates which would interfere with sensitive downstream land uses. Properties and waterways downstream from the project do not need to be protected from erosion due to increases in the volume, velocity and peak water flow rates of stormwater runoff. Concentrated storm water leaving a 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 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 not 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 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 are 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.

**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  
**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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<tbody>
<tr>
<td>Escrows: $2,000 + (0.80 ac * $500/ac = $2,400.00</td>
<td>1. Receipt of escrows.</td>
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<td>Groundwater: New impervious surfaces are proposed.</td>
<td>2. Demonstrate that at a minimum, recharge from impervious surfaces will be infiltrated.</td>
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<td>Local Planning &amp; Zoning: Anoka County Highway Department requires plan revisions.</td>
<td>3. Provide updated plans addressing ACHD issues.</td>
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<td>Soils &amp; Erosion Control: District requires stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>4. Update construction plans to include:</td>
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<td>It is unclear whether soil stockpiles are proposed.</td>
<td>a. stabilize vegetation within 7 days of rough grading or inactivity.</td>
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<td>Infiltration basins are not protected from erosion and sedimentation during construction. After initial grading the District requires that infiltration basins be completely surround by erosion control measures to prevent the basin from clogging.</td>
<td>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.</td>
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<td>Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided.</td>
<td>c. After initial grading completely surround the proposed infiltration basins/storm sewer inlets with erosion control measures to prevent the basin from clogging.</td>
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<td>Provisions have not been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.</td>
<td>d. Provide construction schedules detailing when sediment trapping measures will occur and general timing of construction phases.</td>
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<td>e. Provide provisions to minimize transport of sediment by runoff or vehicle tracking.</td>
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<td>f. Provide provisions for cleaning road surfaces.</td>
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Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.

**RECOMMENDATION:** Table with 4 Stipulations

**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 not 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.