COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 13, 2014
AGENDA NUMBER: 16
FILE NUMBER: 13 - 143
ITEM: Jefferson Elementary Classroom Addition & Alterations

RECOMMENDATION: Approve with 5 Stipulations

APPLICANT: Steve Anderson
Anoka-Hennepin School District
2727 N Ferry Street
Anoka MN 55303

PURPOSE: Classroom addition and alteration to enhance the school districts performance

LOCATION: 11331 Jefferson Street NE, Blaine, MN

APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. Any land alteration within 1 mile of an impaired water
3. One or more cumulative acres of land disturbance.
4. High infiltration soils.

EXHIBITS:
1. Plan set from Armstrong, Torseth, Skold & Rydeen, Inc dated December 3, 2013, received December 3, 2013
2. Geotechnical Report dated November 4, 2013, received November 27, 2013

HISTORY & CONSIDERATIONS:
The Anoka-Hennepin School District is proposing to put an addition on the existing Jefferson Elementary School to enhance the school’s performance.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to County Ditch 39. The trend in land use for this drainage area is toward residential. There are no flooding concerns downstream.

Floodplain: There is no floodplain on the property according to FEMA. The District Atlas 14 model predicts the 100-year elevation for the subwatershed at 887.7 feet. The total floodplain impact is 0 acre-feet. Compensatory storage is not needed.

Groundwater: Groundwater levels were between approximate elevation 888 and 890.

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.

Maintenance: A drainage and utility easement is not provided for the storm water/infiltration ponds shown on the drainage plan.

Soils & Erosion Control: Soils affected by the proposal are Sartell. Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. All wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from erosion and sedimentation. Project site is greater than 1 acre; an NPDES permit is required.

Stormwater & Hydraulics: The applicant is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. Stormwater leaving the site is discharged into a well-defined receiving channel or pipe and routed to a public drainage system. Drainage sensitive uses do not exist downstream from the proposed site.
**Water Quality:** Project does include new impervious drainage areas greater than 1 acre. All discharges into wetlands are pretreated by a sediment basin/water quality pond and are designed correctly. 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.

**Wetlands:** Wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.

**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:** $2,895

<table>
<thead>
<tr>
<th>ISSUES/CONCERNS:</th>
<th>NEEDS:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> A post construction test on the infiltration basin will be required to verify the assumed infiltration rates are obtained.</td>
<td>1. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.</td>
</tr>
<tr>
<td><strong>Soils &amp; Erosion Control:</strong> A drainage and utility easement is not provided for the storm water/infiltration ponds shown on the drainage plan.</td>
<td>2. The applicant must provide for a drainage and utility easement for the infiltration ponds shown on the drainage plan.</td>
</tr>
<tr>
<td><strong>Escrows:</strong> $1,500 + (1.79 acres x $500/acre) = $2,895</td>
<td>3. Receipt of escrows</td>
</tr>
</tbody>
</table>

**RECOMMENDATION:** Approve with 5 Stipulations

**Stipulations:**
1. Receipt of escrows
2. City approval
3. Provide a utility easement for the infiltration ponds. Show this easement on the drawings.
4. Complete a SWPPP and provide copy of NPDES permit to CCWD and City.
5. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.