COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 27, 2016
AGENDA NUMBER: 09
FILE NUMBER: 16-103
ITEM: Bunker Lake Blvd Sidewalk Improvements

RECOMMENDATION: Approve with 3 Stipulations

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

PURPOSE: Construction of a sidewalk along the south side of Bunker Lake Boulevard from Yukon St. to Hidden Creek North Park

LOCATION: Bunker Lake Boulevard between Yukon St. to Hidden Creek North Park
APPLICABILITY:
1. Any work within or adjacent to a Public ditch within the Watershed District.
2. High infiltration soils
3. Highly erodible soils

EXHIBITS:
1) Plan set by the City of Andover; Dated 6/7/2016; received 6/14/2016
2) Drainage Calculations by the City; Dated 6/7/2016; received 6/14/2016
3) Letter describing project by the City; dated 6/14/2016; received 6/14/2016

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 Lino and Zimmerman. No erosion control plan was submitted for this project.

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

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

Groundwater: No geotechnical information has been collected and is not needed.

Historic Sites: The proposed project does not include sites of historic or archeological significance.

Hydraulics: A crossing of the ditch is not proposed

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 have been 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:
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. A maintenance access to all storm water management features is provided.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved. The stormwater management system utilizes infiltration and grassed swale. 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. The rate of post-development runoff from the site does not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses.

**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. 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 and drains to an Impaired Water. The Impaired Water is County Ditch 57 (Coon Creek). Coon Creek is impaired for (Aquatic Life (Macro-invertebrates) / Aquatic Recreation (E. coli)). The major stressors of 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 new impervious surfaces proposed as part of this project.

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

**Wetland Replacement Plan:** A wetland replacement plan has not been submitted.

**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:** $2,125.00
**Wetland Escrow:** N/A
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td><strong>Soils &amp; Erosion Control:</strong> District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity.</td>
<td>1. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.</td>
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<td>No erosion control plan is provided.</td>
<td>2. Please provide notes on plans for how erosion control will be implemented.</td>
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<td><strong>Escrows:</strong> $2,000 + (0.25 ac * $500/ac) = $2,125.00</td>
<td>3. Receipt of escrows</td>
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</table>

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**Stipulations:**

1. Receipt of escrows.
2. Update construction plans to stabilize vegetation in 7 days of rough grading or inactivity.
3. Please provide notes on plans for how erosion control will be implemented.