# COON CREEK WATERSHED DISTRICT
## PERMIT REVIEW

<table>
<thead>
<tr>
<th><strong>MEETING DATE:</strong></th>
<th>May 9, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AGENDA NUMBER:</strong></td>
<td>12</td>
</tr>
<tr>
<td><strong>FILE NUMBER:</strong></td>
<td>16-065</td>
</tr>
<tr>
<td><strong>ITEM:</strong></td>
<td>Crosstown Blvd Trail Improvements</td>
</tr>
</tbody>
</table>

### RECOMMENDATION:
Approve with 2 Stipulations

### APPLICANT:
City of Andover  
1685 Crosstown Blvd NW  
Andover, MN 55304

### PURPOSE:
Trail construction

### LOCATION:
West side of Crosstown Blvd NW between South Coon Creek Drive and Coon Creek in Andover, Minnesota.
APPLICABILITY:
1) Any activity involving drainage, filling or alteration of wetlands (1.09)
2) Development of land not authorized by the municipal drainage plan (1.04)
3) Any land alteration within 1 mile of an impaired water
4) Project site is not greater than 5 acres, a NPDES permit is not required

EXHIBITS:
1) Construction Plan set (26 sheets) by City of Andover, dated 4/12/16, received 4/18/16.
2) Permit Application Memo and Calculations by City of Andover, dated 4/15/16, received 4/18/16.

HISTORY & CONSIDERATIONS: This is a new application.

FINDINGS:
Ditches: There is a public ditch on the property. The public ditch is County Ditch 57 (Coon Creek) according to the public drainage map. County Ditch 57 was established in 1917. The ditch was last inspected in 2014. The ditch is not in need of repair.

The approved elevations and grades through this property are 862.7 ft MSL and 0.05% slope. Existing elevations (863.8 ft MSL), slopes (0.08%) and fair condition of the ditch represent a 1.1 foot variance from the approved elevations. Alternatives to repair and additional drainage have been considered and reviewed.

The ditch is a 5th order stream. The ditch serves the primary role of a trunk drainage system.

The ditch serves approximately 22.7 acres of agricultural land.
Land use in the area is single family residential.
There are flooding concerns upstream and downstream.
A 16.5 foot grass strip is required.
A 16.5 foot grass strip is present
The 16.5 foot grass strip has been inspected. (103E.075 subd 4)
The grass strip is not in need of repair or maintenance.

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

**Erosion and Sediment Control:** Soils affected by the proposal are Alluvial, Markey, Sartell and Zimmerman. Stabilizing vegetation is proposed for disturbed areas within one week (7 days) of rough grading. Adjacent properties and stormwater ponds are not protected from sediment deposition. Project site is not greater than 1 acre, a NPDES permit is not required.

**Floodplain:** There is floodplain on the property according to the District model and FEMA. The project does not propose to place fill within the floodplain.

**Groundwater:** Geotechnical information has not been submitted and is not needed.

The site is not within a Drinking Water Supply Management Area (DWSMA). The project site is not within the 10 Year Well Head Protection Area. The project site is not within the Emergency Response Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

Storage and use of petroleum products exceeding fifty-five (55) gallons are not proposed on-site.

**High Water Flooding:**
Information has not been provided to substantiate low floor elevations and is not needed, no structures or infiltration proposed.

**Dewatering:**
The project does not require dewatering

**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.

**Maintenance:** No Stormwater Management features and treatment practices are proposed as part of this project.
Stormwater & Hydrology: Infiltration is allowed within the project area. The 1-inch infiltration is not achieved. 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 exist downstream from the proposed site. The rate of post-development runoff from the site does exceed predevelopment rates, however the rates are negligible and not expected to 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. No discharges into wetlands are proposed. 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 and drains to an Impaired Water. The Impaired Water is Coon Creek. Coon Creek is impaired for Aquatic Life (Macro-invertebrates) / and Aquatic Recreation (E. coli). The major stressors are M-IBI and E.coli. There is not an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

The project does propose site stabilization within 7 days after construction. The proposed stormwater system does not retain at least one inch of runoff from the project site.

There are 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. The most recent delineation was completed on September 10, 2015. The wetland boundary has been checked.

The wetland is not a DNR protected water.

The total proposed wetland impact is 177 square feet. The impact is through fill in 1 location as shown below:
The de minimis is 2,500 sf. The proposed project results in wetland impacts less than the de minimis. TEP members have been notified with a complete plan and have been requested to submit comments.

The project is not wetland dependent.

The project is exempt.

The applicant does not need to contact the DNR area hydrologist and the Corps of Engineers.

**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. No substantial adverse alteration or significant detrimental impact on a species food supply, security or reproductive cycle or the alteration or removal of a plant species will occur.

There are Ground Water Dependent water resources on site. The Ground Water Dependent Water Resources are:
- lakes, streams, and wetlands

The proposed project does not result in:
- Loss of any existing environmental value linked to receiving waters
- Pose a significant threat to aquatic fauna or flora, especially groundwater-dependent ecosystems,
- Soil erosion or local flooding
- Harm to native vegetation (via flooding or toxicity)
- Erosion of structures or services
- Sediment build-up in drains, waterways or wetlands
- Nuisance to the local community such as foul odors; harm to plants or property
- Hazard to human health or safety
- Loss or discernible reduction of flow in public or private water sources.

No steps are proposed for avoiding or minimizing impacts and are not needed.

**Performance Escrow:** $2,300.00
**Wetland Escrow:** $ N/A

There are not ditch liens on the property.
FINDINGS/ISSUES/CONCERNS:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soils &amp; Erosion Control:</td>
<td>1. Silt fence has been provided from stations 12+50 to end. However, drainage is also away from road from stations 7+50 to 12+50 and will required erosion control to protect adjacent properties.</td>
</tr>
<tr>
<td>Escrows: $2,000 + (0.6 ac * $500/ac) = $2,300.00</td>
<td>2. Receipt of escrows</td>
</tr>
</tbody>
</table>

RECOMMENDATION: Approve with 2 Stipulations

Stipulations:
1. Receipt of escrows.
2. Provide erosion control measures from stations 7+50 to 12+50.