COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 14, 2014
AGENDA NUMBER: 11
FILE NUMBER: 14-045
ITEM: Andover Blvd NW & Crosstown Blvd NW

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT: Jason Law
City of Andover
1685 Crosstown Blvd NW
Andover MN 55304

PURPOSE: Crosstown Blvd. NW and Andover Blvd. turn lane improvements

LOCATION: Intersection of Andover Blvd NW and Crosstown Blvd NW, Andover
APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. Any work in or adjacent to wetlands, lakes or water courses.
3. Endangered, Threatened or Special concern species, elements of communities.

EXHIBITS:
1. Plan set from the City of Andover; dated 3/28/2014; received 3/31/2014
2. Letter from Jason J. Law at the City of Andover to Rebecca Haug; dated 3/31/2014; received 3/31/2014
3. HydroCAD report by the City of Andover; dated 3/31/2014; received 3/31/2014

HISTORY & CONSIDERATIONS:
The City of Andover is proposing to extend the existing southbound right turn lane on Crosstown Boulevard NW at Andover Boulevard NW, as well as construction of a free right/auxiliary lane onto Andover Blvd NW to improve safety and traffic flow at the intersection.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to County Ditch 57. The trend in land use for this drainage area is toward residential and institutional. There are no flooding concerns downstream. Alternatives to additional drainage considered and reviewed include storage.

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 871.8 feet.

Groundwater: Groundwater information is not provided.

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: The proposed project does not include a ditch maintenance easement or utility line crossings. The City is acquiring a drainage and utility easement for the infiltration basin. Property owners affected by changes in drainage have been notified and have acknowledged the changes proposed.

Soils & Erosion Control: Soils affected by the proposal are Markey and Seelyeville. 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 by using an existing 0.04 ac-ft depression that captures the required volume. 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 not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses. Increase in flooded elevation will occur during the 100-year event. The increase in flooding will remain on school property. The school district appears aware of the increase and is willing to allow the increase in water elevation and does not want to relocate the entrance monument sign.

**Water Quality:** Project does not 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. Additional sump catch basins are proposed and are being installed. 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 exist on-site according to the 1987 Federal Manual and its associated supplement(s), NWI, and Soils Survey. Wetland impacts are not proposed as part of this project.

**Wildlife:** The proposed project includes the threatened Blanding’s Turtle (*Emydoidea blandingii*). It is recommended that the applicant review the literature from the DNR regarding recommendations for avoiding and minimizing impacts to the threatened species.

**Performance escrow:** $3,500

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<th>ISSUES/CONCERNS:</th>
<th>NEED:</th>
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<td><strong>Stormwater &amp; Hydraulics:</strong> The applicant must show that the City and the landowner are aware and accept that there is going to be increased flooding in the “low area” due to increased drainage area routed to it. Our review of the HydroCad report indicates that the School’s entrance sign will be flooded for a short duration of time during the 100-year.</td>
<td>1. Provide approval from the City and the School that there will be increased flooding in the “low area” due to increased area routing to it.</td>
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<td><strong>Soils &amp; Erosion Control:</strong> Stabilizing vegetation needs to be noted to cover</td>
<td>2. Provide a note on the plans to seed disturbed areas within two weeks of</td>
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**Escrows:**
$1,500 + (3 \text{ acres} \times 500/\text{acre})$
$= 3,500.00$ | 4. Receipt of escrows

**RECOMMENDATION:** Approve with 4 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide approval from the City and the School that there will be increased flooding in the “low area” due to increased area routing to it.
3. Provide a note on the plans to seed disturbed areas within two weeks of the completion of grading.
4. Review the literature from the DNR regarding recommendations for avoiding and minimizing impacts to the threatened species.