COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 28, 2013
AGENDA NUMBER: 13
FILE NUMBER: 13 - 050
ITEM: CSAH 11 (Northdale Blvd) and CSAH 18 (Crooked Lake Blvd) Interchange Improvements

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Anoka County Highway Department

PURPOSE: Addition of right turn lanes to improve safety and rebuilding the existing storm sewer

LOCATION: The intersection of CSAH 11 (Northdale Blvd) and CSAH 18 (Crooked Lake BLVD) in the city of Coon Rapids
APPLICABILITY:
   1. One or more cumulative acres of land disturbance.
   2. High infiltration soils.
   3. Highly erodible soils.

EXHIBITS:
   1. Transmittal, dated 5/14/2013, received 5/15/2013
   2. Stormwater Summary, dated 5/14/2013, received 5/15/2013
   3. Area and runoff calculations, received 5/15/2013
   4. Drainage area map, received 5/15/2013
   5. Plan sheets 1, 39-46, and 48-51, dated 3/18/2013, received 5/15/2013

HISTORY & CONSIDERATIONS: This project has not been reviewed by the Board. No stormwater alterations are proposed as a part of this project.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is a tributary to Branch No. 3 of County Ditch No. 54. The trend in land use for this drainage area is toward residential and commercial. There are no flooding concerns downstream. No alternatives to additional drainage were considered and reviewed.

Floodplain: There is no floodplain on the property according to FEMA. The District model predicts the 100-year elevation for the subwatershed at 858.8 feet and the road surface is above 865.0. The total floodplain impact is 0 acre-feet, within the flood/fringeway. Compensatory storage is not needed.

Groundwater: A geotechnical report was not provided and is not needed.

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. No new stormwater infrastructure is proposed.

Soils & Erosion Control: Soils affected by the proposal are Hubbard. 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 not 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. The applicant did not provide rate control calculations for predevelopment and post development conditions. The project will result in 0.13ac-ft increase in runoff for the 100-yr event. This area discharges into the 250ac +/- wetland west of Hanson and north of Hwy 10. The increase in elevation results in a 0.0005’ increase.

**Water Quality:** Project does not include new impervious drainage areas greater than 1 acre. All discharges into wetlands are not pretreated by a sediment basin/water quality pond and are not designed correctly.

**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.

**Wetlands:** Wetlands do not exist on-site according to the NWI or Soil Survey. There are no jurisdictional wetlands on site.

There are no proposed wetland impacts.

**Escrows:** Escrows have not been paid. $1500 + (5 acre *200/acre) = $2,500.00

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<tr>
<th>ISSUES/CONCERNS</th>
<th>Needs</th>
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<td><strong>Escrows:</strong> Escrows have not been paid.</td>
<td><strong>Performance Escrow:</strong> $1500 + (5 acre *200/acre) = $2,500.00</td>
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<td><strong>Soils &amp; Erosion Control:</strong> Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading.</td>
<td>Update sheet 50 to note graded areas are to be vegetated within 7 days of the completion of grading consistent with the SWPPP narrative.</td>
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**CONCLUSIONS:** This project does meet District standards. Performance Escrows and Soils & Erosion Control items must be submitted prior to issuance of a Permit.

**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Update sheet 50 to note graded areas are to be vegetated within 7 days of the completion of grading consistent with the SWPPP narrative.