COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE:       June 8, 2015
AGENDA NUMBER:      16
FILE NUMBER:        15 - 066
ITEM:              Culvert Replacement CSAH 18 (Crosstown Blvd)

RECOMMENDATION:   Approve with 3 Stipulations

APPLICANT:     Anoka County Highway Department
               Attn: Matt Herzog
               1440 Bunker Lk Blvd NW
               Andover MN 55304

PURPOSE:       60” Culvert Replacement

LOCATION:      50’ East of Durant Street, Ham Lake
APPLICABILITY:
1. Any work in or adjacent to wetlands, lakes or water courses.
2. The lands and water that have been, or may be covered by the regional flood.
3. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Uses)
4. High water table, outwash and organic soils.
5. High infiltration soils.
6. Highly erodible soils
7. Excavation or filling or a combination of excavation and filling of sand or other excavation or fill material including the laying, repairing, replacing or enlarging of a culvert or an underground pipe or facility where it crosses a public ditch or waters of the state.
8. Endangered, Threatened or Special concern species, elements of communities.

EXHIBITS:
1. Permit Application for Crossing or Culvert Installation and required documents by Anoka County Highway Department, dated 5/14/15, received 5/14/2015.

HISTORY & CONSIDERATIONS:
This item has not been before the Board.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to County Ditch 11. The trend in land use for this drainage area is toward open space and agriculture. There is no additional drainage as part of this project.

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 899.6 feet.

Groundwater: Surficial ground water is present at unknown feet. The site does not include groundwater sensitive areas. No buildings or infiltration proposed, information is not needed to substantiate low floor elevations.

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 include a ditch maintenance easement or utility line crossings. It is not necessary to notify property owners affected by changes in drainage because this is a culvert replacement matching hydraulics.
Soils & Erosion Control: Soil affected by the proposal is Rifle. 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 not greater than 1 acre; an NPDES permit is not required.

Stormwater & Hydraulics: The applicant is not meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation but is not required to for this type of project. 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. The applicant is proposing to replace the existing culvert with a hydraulically equivalent culvert.

Water Quality: Project does not include new impervious drainage areas greater than 1 acre. All discharges into wetlands are pretreated. 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 include the Blanding’s turtles (Emydoidea blandingii), a state-listed threatened species, which has been reported from the vicinity of the proposed project and may be encountered on site. The proposed project may also include the threatened Black Huckleberry (Gaylussacia baccata). However, due to the amount of disturbance that has occurred in the area, it is not believed the plant exists in this area.

Performance Escrow: $2,005.00

ISSUES/CONCERNS:

| Stormwater & Hydraulics: Proposed culvert inverts should match existing culvert inverts. | 1. Provide existing culvert inverts to ensure proposed culvert matches existing grade. |
| Soils & Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. | 2. Provide note on Erosion Control Plan that stabilizing vegetation is proposed within 14 days of rough grading. |
| Escrow: $2,000 + (.01 ac * $500) = $2,005.00 | 3. Receipt of escrows. |
**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**

1. Receipt of escrows of $2,005.00
2. Provide existing culvert inverts to ensure proposed culvert matches existing grade.
3. Provide note on Erosion Control Plan that stabilizing vegetation is proposed within 14 days of rough grading.