COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 9, 2015
AGENDA NUMBER: 13
FILE NUMBER: 15-017
ITEM: Coon Rapids Culvert Installation

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: City of Coon Rapids
Attn: Mark Hansen
11155 Robinson Dr
Coon Rapids MN 55433

PURPOSE: Culvert installation south of 548 and 536 119th Lane and south of Ilex Circle on Sand Creek

LOCATION: 548 and 536 119th Lane and south of Ilex Circle on Sand Creek, Coon Rapids
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. The lands and water that have been, or may be covered by the regional flood.
4. High infiltration soils
5. Highly erodible
6. 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.
7. Endangered, Threatened or Special concern species, elements of communities.

EXHIBITS:
1. Permit application, Signed 1/21/15, Received 1/21/15.
2. Letter from the City of Coon Rapids, dated 1/21/15, Received 1/21/15
3. Plan Set from the City of Coon Rapids, dated 11/3/14, Received 1/21/15

HISTORY & CONSIDERATIONS:
The applicant has two separated/broken flared end sections which outlet directly to Sand Creek that they are planning to replace during the reconstruction of the City streets within the area.

FINDINGS:
Ditches and Drainage: There is a public ditch on the property. The ditch is Ditch 41. The ditch is scheduled to be inspected in 2015. There are 0 acres of existing agricultural land affected by this ditch. The trend in land use for this drainage area is toward residential. There are flooding concerns downstream. The public ditch was last repaired in 1984.

Floodplain: There is floodplain on the property according to FEMA. The District Atlas 14 model predicts the 100-year elevation for the subwatershed to be between 879.4 to 880.1 (NGVD 1988) feet.

Groundwater: It is unknown where surficial ground water is located and is not needed for this project. The site does not include groundwater sensitive areas. Information has not been provided to substantiate low floor elevations 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 include a ditch maintenance easement or utility line crossings. Property owners affected by changes in drainage have not been notified and have not acknowledged the changes proposed.

Soils & Erosion Control: Soil affected by the proposal is Sartell. Stabilizing vegetation is not proposed for disturbed areas within 7 days of rough grading. Adjacent properties are not protected from sediment deposition. All wetlands, water bodies, ponds, infiltration basins and water conveyance systems are not 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 and is not required to do so for a culvert installation. 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.

Water Quality: Project does not include new impervious drainage areas greater than 1 acre. 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. No wetland impacts are proposed.

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: $2,050.00
### ISSUES/CONCERNS:

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<tr>
<th>Soils &amp; Erosion Control: During pipe installation the District requires temporary erosion control. Permanent erosion control is required within 7 days of pipe installation.</th>
<th>1. Provide a temporary and permanent erosion control plan.</th>
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<td>Escrows: $2,000 + (.10 ac * $500) = $2,050.00</td>
<td>2. Receipt of escrows.</td>
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### RECOMMENDATION: Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide a temporary and permanent erosion control plan.