COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: July 27, 2015
AGENDA NUMBER: 07
FILE NUMBER: 15 - 076
ITEM: Coon Rapids Dam Regional Park Improvements

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Anoka County Parks and Recreation
550 Bunker Lake Blvd NW
Andover MN 55304

PURPOSE: Roadway, parking lot and boat launch improvements.

LOCATION: 9750 Egret Blvd NW, Coon Rapids
**APPLICABILITY:**

1. Any work in or adjacent to wetlands, lakes or water courses.
2. One or more cumulative acres of land disturbance.
3. The lands and water that have been, or may be covered by the regional flood.
4. High infiltration soils.
5. Highly erodible soils
6. Endangered, Threatened or Special concern species, elements of communities.

**EXHIBITS:**

3. Construction Plan set by Anoka County Parks & Recreation; 5/14/2015, received 6/10/2015.
4. Grading, Drainage & Erosion Control Plan sheet by Anoka County Parks & Recreation; 7/15/2015, received 7/15/2015.
5. Aquatic Resource Impact Statement; by USACE dated 6/19/2015, received 7/15/2015.

**HISTORY & CONSIDERATIONS:**

This item has was tabled at the June 21, 2015 CCWD Board meeting with the following stipulations:

1. Receipt of escrows.
2. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.
3. After initial grading completely surrounded the proposed infiltration basins with erosion control measures to prevent the basin from clogging.
4. Provide sediment capture/pretreatment devices at:
   a. Outlet of 1S on drainage map (parking lot)
   b. Curb cut to infiltration basin #1
   c. Curb cut to infiltration basin #2
5. Show overflow weirs for infiltration basin on grading plan and provide details.

**FINDINGS:**

**Ditches and Drainage:** There is not a public ditch on the property. The project site is tributary to the Mississippi River. There are no flooding concerns downstream. Alternatives to additional drainage considered and reviewed include storage, retention.

**Floodplain:** There is no floodplain on the property according to FEMA. The site discharges into the Mississippi River, there is no District Atlas 14 model for the subwatershed. The total floodplain impact is 0 acre-feet. Compensatory storage is not needed.
**Groundwater:** Surficial ground water is present at 826 feet on the western portion of the project site. The site does not include groundwater sensitive areas. Proposed project does not include any structures and therefore does not need 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. The project site is owned by the county, a drainage and utility easement is not needed for the storm water/infiltration ponds shown on the drainage plan. 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 Becker and Hubbard. Stabilizing vegetation is proposed for disturbed areas within two weeks of rough grading. Adjacent properties are not 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. 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 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 include new impervious drainage areas greater than 1 acre. All discharges into wetlands are pretreated by a sediment basin/water quality pond. The proposal will not 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, NWI, PWI and Soil Survey. The delineation has been reviewed by the TEP. Revisions were requested by the TEP and have been provided and have been approved. No wetland impacts are proposed.

**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 DNR has provided the applicant with information to protect the turtle.

**Performance Escrow:** $3,305.00

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>Stormwater &amp; Hydraulics: The applicant is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. A post construction test on the infiltration basin will be required to verify the assumed infiltration rates are obtained. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain or another approved method. The Coon Creek Watershed District shall be notified prior to the test to witness the results.</th>
<th>1. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Quality: Description on plan set received on 7/15/2015 says “No Riprap in Basin #2”. However, the note on the sheet indicates that a 1 foot depth of riprap is proposed at curb cut of Basin #2. Sediment capture needs to be provided at curb cut to prevent clogging of basin. Riprap is only one example of sediment that can be used.</td>
<td>2. Provide sediment capture/pretreatment devices at: a. Curb cut to infiltration basin #2</td>
</tr>
</tbody>
</table>

**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**

1. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results.
2. Provide sediment capture/pretreatment devices at:
   a. Curb cut to infiltration basin #2