COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: October 13, 2014
AGENDA NUMBER: 11
FILE NUMBER: 14-112
ITEM: Hanson Blvd & 121st Ave Drainage

RECOMMENDATION: Approve with 2 Stipulations

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

PURPOSE: Drainage Improvements on Existing Pond System

LOCATION: Intersection of Hansen Blvd NW and 121st Ave NW, Coon Rapids, MN
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. Highly erodible soils

EXHIBITS:
1. Existing and Proposed Conditions HydroCAD Model results; by WSB; dated 9/15/2014; received 9/25/2014
2. Proposed Construction Plans for Drainage Improvements; by WSB; dated 09-07-2014; received 09-25-2014

HISTORY & CONSIDERATIONS:
This is an existing pond that is part of a wetland mitigation site that causes flooding on Hansen Blvd during large storms. The proposed project excavates the west pond, outside the mitigation area, deeper and replaces the existing outlet pipe with 15” RCP.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to County Ditch 54. The trend in land use for this drainage area is toward residential. There are 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 860.0 feet as referenced to the NAVD 1988 vertical datum.

The applicant is required to run the 100-year elevation for interior ponds using the NOAA Atlas 14 information as shown in the following web link.
http://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=mn

Groundwater: Groundwater information is 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. A drainage and utility easement is not provided for the storm water/infiltration ponds shown on the drainage plan and is not needed.
Soils & Erosion Control: Soils affected by the proposal are Markey. Stabilizing vegetation is not 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 not protected from erosion and sedimentation. Project site is not greater than 1 acre; an NPDES permit is not required.

Stormwater & Hydraulics: This is a drainage improvement; the volume management rule does not apply. 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 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.

Wetlands: Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. The wetland impacts qualify for a no loss exemption under the Wetland Conservation Act (WCA) 8420.0415 (E).

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: $2,035.00

ISSUES/CONCERNS:

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<tr>
<th>Soils &amp; Erosion Control: An erosion control plan was not provided.</th>
<th>1. Provide an erosion control plan. On the plan be sure to add statement that disturbed areas will be stabilized with stabilizing vegetation within 14 days.</th>
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<tr>
<td>Escrow: $2,000 + (.07 ac * $500) = $2,035.00</td>
<td>2. Receipt of escrows.</td>
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RECOMMENDATION: Approve with 2 Stipulations

Stipulations:
1. Receipt of escrows.
2. Provide an erosion control plan. On the plan be sure to add statement that disturbed areas will be stabilized with stabilizing vegetation within 14 days.