COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 28, 2019
AGENDA NUMBER: 12
FILE NUMBER: 18-191
ITEM: Dahlia Park

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: City of Coon Rapids
11155 Robinson Drive
Coon Rapids, MN 55433

PURPOSE: Ditch cleaning, culvert replacement

LOCATION: Dahlia Park, Coon Rapids MN

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. Any work in or adjacent to wetlands, lakes or water courses
4. The lands and waters that have been or may be covered by the regional flood.
5. 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.

EXHIBITS:
1. Project Narrative and Figure; by City of Coon Rapids, undated, received 1/11/2019.

PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:
Pre-application Meeting: The project as submitted has received a general review during a pre-application meeting.

Ditches: There is not a public ditch on the property. The ditch is Riverview Creek according to the public drainage map.

Ditch Hydraulics: A crossing of the ditch is proposed. The proposed crossing involves the replacement of a bridge with a culvert. The proposed culvert is of sufficient hydraulic capacity.

Erosion and Sediment Control: Soil affected by the proposal is Isanti.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.
- Adjacent properties and stormwater ponds are protected from sediment deposition.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided.
- No storm sewer pipes impacted as part of this project.
• All work adjacent to water or related resource has not taken precautions to contain sediment and stabilize the work area during construction.
• Provisions have not been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
• Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.
• Construction entrance points are not clearly located on the erosion and sediment control plan.
• The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• Details of ESC not provided (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does may exist on site. The project may require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 852.1 feet. The project does not propose to place fill within the floodplain. There are flooding concerns downstream.

High Water Flooding: Information has not been provided and is not needed, no structures proposed.

Groundwater: Geotechnical has not been provided and is not needed, no structures or infiltration practices proposed.

The project site is within the Emergency Response Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

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.

Property owners affected by changes in drainage should be notified and acknowledge the changes proposed.

Maintenance: No Stormwater Management features or treatment practices are proposed as part of the project.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.
Stormwater & Hydrology: Infiltration is allowed within the project area. The 1-inch infiltration is achieved via overland flow.

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. No increase in the volume, velocity and peak water flow rates of stormwater runoff expected as part of the project. Concentrated storm water leaving a site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. No on-site conveyance channels are proposed as part of the project.

Water Quality: The proposed project does not cause an exceedance of State water quality standards. The project does not contribute to the adverse impact of wetlands through inundation or volume of flow. All work adjacent to wetlands, waterbodies and water conveyance systems are protected from erosion. 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.

Impairments: This project is not within one (1) mile of an Impaired Water.

There are no new impervious surfaces proposed as part of this project.

Wetlands: Wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated. The LGU has been on site to check for wetlands.

Wetland Replacement Plan: A wetland replacement plan has not been submitted and is not required.

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. The applicant has not contacted the MDNR natural heritage or endangered species program and is not required to.

If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species.

Performance Escrow: $2,175
Wetland Escrow: $N/A
There are not ditch liens on the property.
ISSUES/CONCERNS:

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (0.35 ac. * $500/ac) = $2,175</td>
<td>1. Receipt of escrows.</td>
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<td>Soils &amp; Erosion Control: It is unclear if dewatering is needed during the construction of the proposed project. Unclear if excavated soils will be stockpiled near project area.</td>
<td>2. Provide statement whether dewatering will be required for the construction of the proposed project. 3. Provide note of plan for excavated material and if erosion control is needed for soil stockpiles.</td>
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RECOMMENDATION: Approve with 3 Stipulations

Stipulations:
1. Receipt of escrows.
2. Provide statement whether dewatering will be required for the construction of the proposed project. If yes, provide well-field location, rates, discharge location, schedule and quantities.
3. Provide note of plan for excavated material and if erosion control is needed for soil stockpiles.