COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: December 11, 2017
AGENDA NUMBER: 11
FILE NUMBER: 17-224
ITEM: Cousins Residence Landscaping

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Doug Cousins
8324 Mississippi Blvd NW
Coon Rapids, MN 55433

PURPOSE: Landscaping of single parcel along Mississippi River

LOCATION: SW corner of Mississippi Blvd NW and Redwood St NW, Coon Rapids, MN

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. The lands and waters 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 or communities

EXHIBITS:
3. Wall Grading Exhibit; by E.G. Rud & Sons, Inc. undated, received 11/27/17.

PREVIOUS ACTION TAKEN: This is a new application. The construction of the single-family home was approved under PAN 17-101.

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.
**Ditch Hydraulics:** A crossing of the ditch is not proposed.

**Erosion and Sediment Control:** Soils affected by the proposal are Urban Land – Hubbard and Becker

- Soil stockpiles are not anticipated as part of the project.
- Adjacent properties 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 been provided.
- Stormwater runoff passes through a sediment basin or other sediment trapping BMP with equal or greater storage capacity.
- Stabilization adequate to prevent erosion has not been proposed at the outlets of all storm sewer pipes.
- All storm sewer inlets are protected from sediment-laden water during construction.
- All work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
- Provisions have been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
- Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.
- Construction entrance points are clearly located on the erosion and sediment control plan.
- The erosion and sediment control plan provides for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

**Dewatering:** It is unknown if shallow ground water exists on site. Dewatering is not anticipated.

**Floodplain:** There is floodplain on the property according to FEMA. The FEMA floodplain elevation is at 824 feet. The project does not propose to place fill within the floodplain. The total floodplain impact is 0.0 acre-feet.

**High Water Flooding:** Information has not been provided to substantiate low floor elevations and is not needed, no structures proposed.

**Groundwater:** Geotechnical information was not provided and is not needed.

The site is not within a Municipal Drinking Water Supply Area (DWSMA).

The project site is not within the Emergency Response Area/10 Year Well Head Protection Area/Drinking Water Supply Management 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.

Maintenance: No Stormwater Management features and treatment practices are proposed.

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 to the maximum extent possible. The stormwater management system utilizes overland flow. 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 may exceed predevelopment rates. However, the increase will not interfere with sensitive downstream land uses. There are negligible increases in the volume, velocity and peak water flow rates of stormwater runoff but will not detrimentally affect the downstream receiving water. Concentrated storm water leaving the site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. No on-site constructed storm water conveyance channels are proposed.

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 within one (1) mile of and drains to an Impaired Water. The Impaired Water is the Mississippi River. The Mississippi River is impaired for (Aquatic Life (Macro-invertebrates). The major stressors are PCBD. There is not an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are new impervious surfaces proposed as part of this project.

Wildlands: Wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.

Wildlife: The proposed project may include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration
areas, deer wintering areas or wildlife travel corridor. The applicant has previously contacted the DNR.

**Performance Escrow:** $2375.00  
**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><strong>Escrows:</strong> $2,000 + (0.75 ac * $500/ac) = $2375.00</td>
<td>1. Receipt of escrows.</td>
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<td><strong>Stormwater &amp; Hydrology:</strong> Riprap is noted as extending to Mississippi River edge.</td>
<td>2. Ensure any work below OHWL meets MNDNR requirements for shoreline work.</td>
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### RECOMMENDATION: Approve with 2 Stipulations

#### Stipulation:

1. Receipt of escrows.
2. Ensure any work below OHWL meets MNDNR requirements for shoreline work.