COON CREEK WATERSHED DISTRICT  
PERMIT REVIEW

<table>
<thead>
<tr>
<th>MEETING DATE:</th>
<th>October 24, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGENDA NUMBER:</td>
<td>11</td>
</tr>
<tr>
<td>FILE NUMBER:</td>
<td>16-158</td>
</tr>
<tr>
<td>ITEM:</td>
<td>Kinghorn Residence</td>
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</tbody>
</table>

**RECOMMENDATION:** Approve with 4 Stipulations

**APPLICANT:** John & Christine Kinghorn  
727 River Lane  
Anoka, MN

**PURPOSE:** Replace retaining wall and landscape

**LOCATION:** 10800 Mississippi Blvd in Coon Rapids, Minnesota

![Map of Kinghorn Residence](attachment:map.png)

**APPLICABILITY:**
1. Any work in or adjacent to wetlands, lakes or water courses
2. The lands and waters that have been, or may be covered by the regional flood.

EXHIBITS:
1) Landscape Plan by unknown; undated, received 10/12/2016.
2) Plant Listing Email by Lucius Jonett (Wenck); dated 8/8/2016, received 8/8/2016.

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.

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

Erosion and Sediment Control: Soil affected by the proposal is Langola.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have 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 been provided.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and is not needed.
- No storm sewer pipes (inlets/outlets) are proposed.
• All work adjacent to water or related resource has 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 and are not needed
• 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.

Dewatering: It is unknown if shallow ground water does exist on site. Dewatering is not anticipated.

Floodplain: There is floodplain on the property according to the District model and FEMA. The project does propose to place fill within the floodplain, however it is insignificant compared to the floodplain. The total floodplain impact is negligible. The proposed impact is within the floodway. Compensatory storage is not needed. There are no flooding concerns upstream and/or downstream.

High Water Flooding: No buildings proposed as part of the project, information is not needed to substantiate low floor elevations.

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.

Property owners affected by changes in drainage have not been notified and acknowledge the changes proposed.

Maintenance: No Stormwater Management features or 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. 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 does not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses. No increases in the volume, velocity and peak water flow rates of stormwater runoff are expected. No concentrated storm water leaving a site. 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 and drains to an Impaired Water. The Impaired Water is Mississippi River. The Mississippi River is impaired for Aquatic Life (Macro-invertebrates). The major stressors are PCB. 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.

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

**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.

**Performance Escrow:** $2,070.00
**Wetland Escrow:** N/A
There are ditch liens on the property.
**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows:  $2,000 + (0.14 \text{ ac} \times $500/\text{ac}) = $2,070.00</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Construction path is not clearly labeled on plans.</td>
<td>2. Construction path needs to be provided to ensure adjacent properties are not impacted. If drainage is toward adjacent property, silt fence should be placed along construction path.</td>
</tr>
<tr>
<td>Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.</td>
<td>3. Provide note that any sediment tracked onto the street from construction activities will be removed on a daily basis.</td>
</tr>
<tr>
<td>Riprap details for shoreline stabilization were not provided.</td>
<td>4. Riprap for shoreline stabilization must follow DNR standards.</td>
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**RECOMMENDATION:** Approve with 4 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Construction path needs to be provided to ensure adjacent properties are not impacted. If drainage is toward adjacent property, silt fence should be placed along construction path.
3. Provide note that any sediment tracked onto the street from construction activities will be removed on a daily basis.
4. Riprap for shoreline stabilization must follow DNR standards.