### COON CREEK WATERSHED DISTRICT PERMIT REVIEW

**MEETING DATE:** August 14, 2017  
**AGENDA NUMBER:** 11  
**FILE NUMBER:** 17-095  
**ITEM:** Braastad Property Stock Pile

**RECOMMENDATION:** Approve with 2 Stipulations

**APPLICANT:** Braastad Landscape, Inc.  
PO Box 167  
Cedar, MN 55011

**PURPOSE:** 3,400 CY soil stockpile for future use

**LOCATION:** NW corner of Aberdeen St NE & 143rd Ave NE, Ham Lake 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.

EXHIBITS:
1. Grading and Erosion Control Plan; by Plowe Engineering, 6/16/17, received 7/17/17.

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 a public ditch on the property. The public ditch is County Ditch 59 according to the public drainage map. The approved elevations through this property are 878.5 ft MSL at the downstream end and 879.4 ft MSL at the upstream end. The 2012 observed elevations through this property are 879.5 ft MSL at the downstream end and 882.5 ft MSL at the upstream end. Existing elevations represent a 1-3.1 foot variance from the approve elevations. Alternatives to repair and additional drainage have been considered and reviewed. The ditch is a 2nd order stream. The ditch serves the primary role of storm water conveyance. The ditch serves approximately 0 acres of agricultural
land. Land use in the area is single family residential. There are no flooding concerns upstream or downstream. The ditch has been inspected. Existing elevations, slopes and condition of ditch are fair. The ditch is in need of repair. Alternatives to repair and additional drainage have been considered and reviewed.

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

**Erosion and Sediment Control:** Soil affected by the proposal is Seelyeville.
- Stabilizing vegetation is not 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.
- Stormwater runoff does pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity.
- No storm sewers proposed or affected as part of the 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 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 does provide 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 the District model and FEMA. The District’s floodplain elevations range from 885.0 on the south side to 884.8 feet on the north side of the property. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream and/or downstream.

**High Water Flooding:** Information has not been provided to substantiate low floor elevations and is not needed.

**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.
**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 or treatment practices are proposed.

Easements: The proposed project does include ditch maintenance easement. A ditch maintenance easement is 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 proposed as part of the project. 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 Coon Creek. Coon Creek is impaired for Aquatic Life (Macro-invertebrates). Coon Creek’s major stressor is phosphorus. There is an EPA approved Total Maximum Daily Load (TMDL) for Coon Creek.

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.

**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: $2,160.00  
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>Escrows: $2,000 + (0.32 ac * $500/ac) = $2,160.00</td>
<td>1. Receipt of escrows.</td>
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<td>Soils &amp; Erosion Control:</td>
<td>2. Update erosion control plan with the</td>
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<td>District requires all stabilization vegetation be</td>
<td>following items:</td>
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<td>within seven (7) days of rough grading or inactivity.</td>
<td>a. Provide statement to stabilize</td>
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<td>b. Provide additional silt fence</td>
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<td>around soil stockpile for long term</td>
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<td>sediment capture</td>
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It is unknown how long the soil stockpile will be present on site.  

**RECOMMENDATION:** Approve with 2 Stipulations  

**Stipulations:**  
1. Receipt of escrows.  
2. Update Stock Pile Location and Erosion Control Plan with the following items:  
   a. A statement to stabilize vegetation in 7 days of rough grading or inactivity if stockpile is to remain in place longer than 60 days.  
   b. A statement to install additional silt fence around soil stockpile for long term sediment capture if stockpile is to remain in place longer than 30 days.