COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 25th, 2019
AGENDA NUMBER: 15
FILE NUMBER: 19-054
ITEM: Tournament Player’s Parkway Street Improvements

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: City of Blaine
10801 Town Square Drive NE
Blaine, MN 55449

PURPOSE: 7,558 LF of roadway reclamation

LOCATION: Tournament Player’s Parkway, Blaine

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. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Land Uses)

EXHIBITS:
1. Construction Plan set (58 sheets); by Sambatek, undated, received 3/13/19.
4. Feasibility Report; by City of Blaine, undated, received 3/13/19.
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 are public ditches on the property. The public ditches are County Ditch 41-3, 41-3-A and 41-4 according to the public drainage map. The approved/as-built elevations on 41-3-A and 41-3 through this property are 888.3 ft MSL at the upstream end and on 41-4 there is no approved elevation and there is no approved elevation at the downstream end of the property.

Existing elevations, slopes and condition of the ditch are 888.7 ft MSL at the upstream end and 886.4 ft MSL at the downstream end and represent a 0.4 feet variance from the as-built elevations. Alternatives to repair and additional drainage have been considered and reviewed.

The ditches are a 3rd order stream. The ditch serves the primary role of a collector system.
The ditch serves approximately 0 acres of agricultural land.
Land use in the area is toward residential and recreational use.
There are no flooding concerns upstream and/or downstream.

The ditch has been inspected.
Existing elevations, slopes and condition of ditch are good.
The ditch is not 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: Soils affected by the proposal are Lino, Isanti, Markey, Rifle and Zimmerman.

- Stabilizing vegetation is not 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.
- Stabilizing soil stockpiles within 7 days of inactivity is not proposed.
- Adjacent properties and stormwater ponds are not 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.
- Stabilization adequate to prevent erosion has been provided 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 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 tracking 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.

Dewatering: Shallow ground water may exist on site. The project does not require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is between 893.8 and 894.1 feet. The project does not propose to place fill within the floodplain. No impacts to the floodplain are proposed as part of this project. Compensatory storage is not needed. There are no flooding concerns upstream or downstream.

High Water Flooding: Information substantiating low floor elevations is not required; no new structures are proposed as part of this project.

Groundwater: Geotechnical information is not needed.

The project site is not within the Emergency Response Area, 10 Year Well Head Protection Area, or 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 been notified and acknowledge the changes proposed.

**Maintenance:** No Stormwater Management features are proposed as part of this project.

Easements: A ditch maintenance easement exists on site.

**Stormwater & Hydrology:** Infiltration is allowed within the project area; however, due to the presence of existing waterbodies, adequate space and separation from groundwater for stormwater treatment is not available within the project area. The 1-inch infiltration is not achieved. District stormwater requirements will be met through construction of a future regional BMP in conjunction with additional street improvement projects.

Drainage sensitive uses do exist downstream from the proposed site. The rate of post-development runoff from the site does not exceed predevelopment rates. Properties and waterways downstream from the project are protected from erosion due to increases in the volume, velocity and peak water flow rates of stormwater runoff. Concentrated storm water is not proposed as part of this project. All on-site constructed storm water conveyance channels are constructed to withstand the expected velocity from a 2-year frequency storm without erosion.

**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 discharges into wetlands and waterbodies are pretreated via overland 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 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.
**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.

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 will occur.

**Performance Escrow:** $2,010.00 (graded area not provided, estimated 900 sq. ft.)

**Wetland Escrow:** $ N/A

There are not ditch liens on the property.

### ISSUES/CONCERNS:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (0.05 ac * $500/ac = $2,010.00)</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>General: Area of site and graded area were not included on application</td>
<td>2. Provide size of project area and graded area.</td>
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<tr>
<td>Soils &amp; Erosion Control: District requires all stabilization vegetation be within seven (7 days of rough grading or inactivity.</td>
<td>3. Update Erosion Control Plan to include the following:</td>
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<tr>
<td>Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.</td>
<td>a. Provide note on plans to stabilize denuded areas within 7 days of rough grading or inactivity.</td>
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<td>b. Provide note on plans that soil stockpiles are to be fit with sediment-trapping measures.</td>
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<td>Adjacent properties and stormwater ponds are not protected from sediment deposition.</td>
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<td>All work adjacent to water or related resource has not taken precautions to contain sediment and stabilize the work area during construction.</td>
<td>d. Show double row silt fence adjacent to all waterbodies on plans.</td>
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<td>f. Provide note on plans stating that tracked sediment will be swept at EOD.</td>
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<td>g. Indicate location of rock construction entrance on plans.</td>
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runoff or vehicle tracking onto the paved surface.

Provisions have not been made for cleaning road surfaces where sediment is transported by the end of day (EOD).

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.

| h. Provide note on plans stating that upon discovery, all nonfunctional BMPs will be repaired, replaced, or supplemented by the end of the next business day |

**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide size of project area and graded area.
3. Update Erosion Control Plan to include the following:
   a. Provide note on plans to stabilize denuded areas within 7 days of rough grading or inactivity
   b. Provide note on plans that soil stockpiles are to be fit with sediment-trapping measures
   c. Provide note on plans that soil stockpiles are to be stabilized within 7 days of inactivity
   d. Show double row silt fence adjacent to all waterbodies on plans
   e. Provide note on plans stating that transport of sediment by runoff or vehicle tracking onto paved surfaces will be minimized
   f. Provide note on plans stating that tracked sediment will be swept at EOD
   g. Indicate location of rock construction entrance on plans
   h. Provide note on plans stating that upon discovery, all nonfunctional BMPs will be repaired, replaced, or supplemented by the end of the next business day