COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 22, 2019
AGENDA NUMBER: 8
FILE NUMBER: 19-030
ITEM: Club West Dredging

RECOMMENDATION: Approve with 1 Stipulation

APPLICANT: Clubwest Master HOA
11211 Clubwest Parkway
Blaine, MN  55449

PURPOSE: Remove up to 500CY sediment on pond bottom around irrigation intake pipe.

LOCATION: 11211 Clubwest Parkway, Blaine
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. High water table, outwash and organic soils
6. High infiltration soils
7. Highly erodible soils
8. 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. Baseline Pond Sediment Investigation by MTM Environmental, Inc, 3-29-19, received 4-10-19. (Includes plan view schematic of disposal and erosion control activities.)

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 41 according to the public drainage map. The approved/as-built elevations through this property are 888.71 ft MSL at the downstream end and 888.16 ft MSL at the upstream end.

The ditch is a 4th order stream. The ditch serves the primary role of
a. Trunk drainage system

The ditch has been inspected. The ditch is not in need of repair.

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

Erosion and Sediment Control: Soils affected by the proposal are Isanti and Rifle.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles are not proposed.
- 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.
- Stabilization adequate to prevent erosion has not been provided at the outlets of all storm sewer pipes and is not needed.
- 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 tracking 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.
- Details are provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does exist on site. The project does not require dewatering.
Floodplain: There is floodplain on the property according to the District model and FEMA. The project does not propose to place fill within the floodplain. The total floodplain impact is 0 acre-feet. Compensatory storage is not needed. There are flooding concerns upstream and/or downstream.

High Water Flooding: No structures proposed as part of the project.

Groundwater: Geotechnical information was not collected and is not needed.

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: The owner of the Stormwater Management features and treatment practices is Clubwest HOA. The project intends to remove up to 500CY with a long stick backhoe and 15CY dump trucks over two days.

Easements: The proposed project does include ditch maintenance easement. A ditch maintenance easement is required. A maintenance access to all storm water management features is provided.

Stormwater & Hydrology: Infiltration is not part of this project, no impervious proposed.

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 as part of the project. No concentrated storm water proposed as part of the project. No on-site constructed storm water 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 discharges into wetlands/stormwater basins 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 within one (1) mile of and drains to an Impaired Water. The Impaired Water is Sand Creek. Sand Creek is impaired for (Aquatic Life (Macro-invertebrates)/Aquatic Recreation (E. coli). The major stressors are Total Suspended Solids (TSS)/Total Phosphorus (TP)/E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

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

Wetlands: Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated. The wetland identified on NWI is considered incidental.

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 will occur.

Performance Escrow: $2,015
Wetland Escrow: $N/A

There are not ditch liens on the property.

ISSUES/CONCERNS:

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<th>ISSUE</th>
<th>NEED</th>
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<td>Escrows: $2,000 + (0.03 ac * $500/ac) = $2,015</td>
<td>1. Receipt of escrows.</td>
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RECOMMENDATION: Approve with 1 Stipulations

Stipulations:

1. Receipt of escrows.