COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: August 13, 2018
AGENDA NUMBER: 22
FILE NUMBER: 18-144
ITEM: Micek Pole Barn

RECOMMENDATION: Table with 4 Stipulations

APPLICANT: Mike Micek
16626 Zodiac Street NE
Columbus MN 55025

PURPOSE: 3,120 SQ FT POLE BARN ON 80.5 ACRE LOT

LOCATION: Along Zodiac St NE between 167th Ave NE and 165th Ave NE, Columbus, MN

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.
3. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Construction Figures (5 sheets); undated, received 7/26/18.

PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:
Pre-application Meeting: The project as submitted has not 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 Markey, Isanti, 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.
- 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 not been provided.
- No stormwater inlets and outlets are proposed as part of the project.
- 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 surfaces.
- Provisions have 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. Dewatering is not anticipated as part of the project.

Floodplain: There is no floodplain on the property according to the District model and according to FEMA data there is a 100yr floodplain. The District’s floodplain elevation is at 903 feet. The project does not propose to place fill within the floodplain. There are flooding concerns upstream or downstream.

High Water Flooding: Information has been provided to substantiate low floor elevations. Low floor elevations do meet the criteria for the City of Columbus; 3 ft above mottled soil elevation, 2 ft above 100 yr.

Groundwater: Geotechnical information was not provided 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:** No Stormwater Management features or treatment practices proposed as part of the project.

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 via overland flow.

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, rates will not interfere with downstream land uses. 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 leaving a site is not 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 discharges into wetlands are pretreated. 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 exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have been delineated in April of 2016. The delineation did not include a delineation report and was not submitted for approval. The wetland boundary was checked in 2016. Wetlands are avoided, and no impacts are proposed.
A DNR public water (Unnamed #02052000) is located within the parcel. There are no shoreland areas associated with the public water

**Wetland Replacement Plan:** A wetland replacement plan has not been submitted and is not required.

**Wildlife:** The proposed project does include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, wildlife travel corridors, or sites of biological diversity significance. The endangered or threatened species, rare natural community is an area of outstanding biological significance.

The applicant has not contacted the MDNR natural heritage or endangered species program.

**Performance Escrow:** $2,100.00  
**Wetland Escrow:** $ N/A

There are not ditch liens on the property.

**ISSUES/CONCERNS:**

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<th>ISSUE</th>
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<td>Escrows: $2,000 + (0.2 ac * $500/ac) = $2,100</td>
<td>1. Receipt of escrows.</td>
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| **Soils & Erosion Control:** District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity. Unclear if soil stockpiles will be present due to footing installation. | 2. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.  
3. If soil stockpiles are anticipated, provide note that soil stockpiles will be fitted with sediment-trapping measures to prevent soil loss. |
| **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 corridors. | 4. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors |

**RECOMMENDATION:** Table with 4 Stipulations  
**Stipulations:**  
1. Receipt of escrows.
2. Provide note on erosion control sheet to stabilize vegetation within 7 days of rough grading or inactivity.
3. If soil stockpiles are anticipated, provide note that soil stockpiles will be fitted with sediment-trapping measures to prevent soil loss.
4. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.