COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 9, 2015
AGENDA NUMBER: 11
FILE NUMBER: 16-070
ITEM: 133rd Lane NE Reconstruction

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT: City of Ham Lake
15544 Central Ave NE
Ham Lake, MN 55304

PURPOSE: Reconstruction of road for redirection of drainage near Jam Hops

LOCATION: 133rd Lane NE between from Aberdeen to 210 ft east. in Ham Lake
APPLICABILITY:
1) Development of land not authorized by the municipal drainage plan (1.04)
2) Project site is not greater than 5 acres, a NPDES permit is not required

EXHIBITS:
1) Permit Memo by RFC, dated 4/22/16, received 4/22/16
2) HydroCAD model and drainage map by RFC, dated 4/19/16, received 4/22/16

HISTORY & CONSIDERATIONS: This is a new application.

FINDINGS:
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 Lino and Zimmerman. Stabilizing vegetation is not proposed for disturbed areas within two weeks (14 days) of rough grading. Adjacent properties and stormwater ponds are not protected from sediment deposition. Project site is not greater than 1 acre, a NPDES permit is not required.

Floodplain: There is no floodplain on the property according to the District model and FEMA.

Groundwater: Geotechnical information has not been submitted and is not needed, no buildings or infiltration proposed.

The site is not within a Drinking Water Supply Management Area (DWSMA). The project site is not within the 10 Year Well Head Protection Area. The project site is not within the Emergency Response Area.

Dewatering: The project does not require dewatering

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: There are no new Stormwater Management features or treatment practices proposed.
Easements: The proposed project does not include ditch maintenance easement.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved off-site, though high infiltration rates used in model will need to be verified. The stormwater management system utilizes regional basins. 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.

**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 by a sediment basin/water quality pond, and are designed correctly. All work adjacent to wetlands, waterbodies and water conveyance systems are not protected from erosion. The proposal will 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 and drains to an Impaired Water.

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. No substantial adverse alteration or significant detrimental impact on a species food supply, security or reproductive cycle or the alteration or removal of a plant species will occur.

There are not Ground Water Dependent water resources on site.

The proposed project does not result in:

- Loss of any existing environmental value linked to receiving waters
- Pose a significant threat to aquatic fauna or flora, especially groundwater-dependent ecosystems,
- Soil erosion or local flooding
- Harm to native vegetation (via flooding or toxicity)
- Erosion of structures or services
- Sediment build-up in drains, waterways or wetlands
- Nuisance to the local community such as foul odors; harm to plants or property
- Hazard to human health or safety
- Loss or discernible reduction of flow in public or private water sources.
No steps are proposed for avoiding or minimizing impacts.

**Performance Escrow:** $2,250.00  
**Wetland Escrow:** N/A  
There are not ditch liens on the property.

**FINDINGS/ISSUES/CONCERNS:**

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<td><strong>Stormwater &amp; Hydraulics:</strong> The existing infiltration basin doesn’t have sufficient sediment control.</td>
<td>1. By observation, determine location of sedimentation in existing infiltration basin. To ensure long term infiltration throughout the basin, provide rock berm at sedimentation limits. Class II riprap is sufficient.</td>
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| **Erosion Control:** Plans for erosion control devices must be submitted with a note stating stabilization of vegetation will take place within 14 days of rough grading or inactivity. | 2. Provide erosion control devices at:  
   a. south side of 133rd Lane where drainage is away from project,  
   b. catch basins within drainage areas 10S, 11S, 12S, 15S and 16S on Drainage Area Sheet.  
3. Provide statement that stabilization vegetation will be take place within 14 days of rough grading or inactivity. |

**Escrows:** $2,000 + (0.5 ac * $500/ac) = $2,250.00

**RECOMMENDATION:** Approve with 4 Stipulations  
**Stipulations:**  
1. Receipt of escrows.  
2. Provide erosion control devices:  
   a. South of project  
   b. At catch basins in intersection of Aberdeen St and 133rd Lane NE.  
3. Provide rock berm at sedimentation limits of existing basin.  
4. Provide statement that stabilization vegetation will be take place within 14 days of rough grading or inactivity.