COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 9, 2015
AGENDA NUMBER: 12
FILE NUMBER: 15 – 044
ITEM: Jefferson St - Blaine

RECOMMENDATION: Approve with 2 Stipulations

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

PURPOSE: Jefferson Street improvements, 4500 feet in length and 6’ trail on western side of Jefferson St.

LOCATION: Jefferson Street between 125th Ave NE and 133rd Ave NE
APPLICABILITY:
1. Any work in or adjacent to wetlands, lakes or water courses.
2. One or more cumulative acres of land disturbance.

EXHIBITS:
1. Geotechnical Report by NTI; dated 12/30/2013, received 4/1/2015.
2. Construction Plan set (45 sheets) by City of Blaine; dated 1/7/2015, received 4/1/2015

HISTORY & CONSIDERATIONS:
The 4,500 foot long street improvement project is located to the east of a large wetland complex (headwaters of CD 23). The project does not include any detention or infiltration basins. All stormwater is pretreated by sumps before being discharged into the wetland complex.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to County Ditch 23. The trend in land use for this drainage area is toward open space and residential. There are no flooding concerns downstream.

Floodplain: There is floodplain on the property according to FEMA. The District Atlas 14 model predicts the 100-year elevation for the subwatershed at 889.9 feet. The total floodplain impact is 0 acre-feet, within the floodplain. Compensatory storage is not needed.

Groundwater: Surficial ground water is present at 6 – 9.5 feet below ground surface. The site does not include groundwater sensitive areas. No buildings are being proposed, information is not needed to substantiate low floor elevations.

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 proposed project does not include a ditch maintenance easement or utility line crossings. It is unknown if the property owners affected by changes in drainage have been notified and have acknowledged the changes proposed.

Soils & Erosion Control: Soils affected by the proposal are Lino, Isanti, Markey and Zimmerman. Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. All wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from erosion and sedimentation. Project site is greater than 1 acre; an NPDES permit is required.
Stormwater & Hydraulics: The applicant is not meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. 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. It is unknown if the rate of post development runoff from the site exceeds predevelopment rates, or rates which would interfere with sensitive downstream land uses.

Water Quality: Project does not include new impervious drainage areas greater than 1 acre. All discharges into wetlands are pretreated by 4’ sumps. 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.

Wetlands: Wetlands exist on-site according to the 1987 Federal Manual and its associated supplement(s), NWI, and Soils Survey. No wetland impacts are proposed with the project.

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: $3,750.00

ISSUES/CONCERNS:

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<th>Stormwater &amp; Hydraulics: The applicant is not meeting volume management requirements equivalent to infiltration runoff from the first inch of precipitation. The project is a linear mill and overlay project with an addition of a trail on the west side of the road. The runoff from all impervious surfaces drains to the curb and gutter and is pretreated by 4’ sumps before entering the wetland complex to the west of the site. Due to the wetlands large size, runoff from the site is not expected to have adverse impact to the receiving water.</th>
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Soils & Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. 1. Provide note on erosion control plan that stabilizing vegetation is proposed for disturbed areas within two weeks of rough grading.

Escrows: $2,000 + (3.5 ac * $500/ac) = $3,750.00 2. Receipt of escrows.
**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide note on erosion control plan that stabilizing vegetation is proposed for disturbed areas within two weeks of rough grading.