COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 24, 2012
AGENDA NUMBER: 7
FILE NUMBER: 12 - 079
ITEM: Spring Brook Nature Center Weir Replacement

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: WSB & Associates for the City of Fridley

PURPOSE: Three weir replacements

LOCATION: Springbrook Nature Center, Fridley MN
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. The lands and water that have been, or may be covered by the regional flood.

EXHIBITS:
1. Project description memo with attached weir location figure and plan sheet by WSB & Associates, dated 9-6-12, received 9-7-12.

HISTORY & CONSIDERATIONS: This project has not been reviewed by the Board.

FINDINGS:

Ditches and Drainage: There is a public ditch on the property. The ditch is Springbrook Creek. The ditch has not been inspected. There are zero acres of existing agricultural land affected by this ditch. The project site is tributary to Springbrook Creek. The trend in land use for this drainage area is toward open space, commercial & industrial. There are flooding concerns downstream. Alternatives to additional drainage were not considered.

Floodplain: There is Zone C floodplain on the property according to FEMA. The total floodplain impact is zero acre-feet, within the flood/fringeway. Compensatory storage is not needed.

Groundwater: Surficial ground water is present at an unknown elevation. The site does include groundwater sensitive areas. Information is not required to substantiate low floor elevations, no structures are proposed.

Historic Sites: The proposed project does 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. 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 Isanti and Marsh. 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 not greater than 1 acre; an NPDES permit is not required.
**Stormwater & Hydraulics:** The applicant is not obligated to meet the volume management requirement, no new impervious area is proposed. 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:** Project does not include new impervious drainage areas greater than 1 acre. 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.

**Wildlife:** The proposed project does not include endangered & threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, 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.

**Wetlands:** Wetlands do exist on-site according to the NWI. Wetlands do exist on site according to the Soils Survey. This project proposes no wetland impacts.

**Escrows:** Escrows have not been paid.

**Performance Escrow:** $1500 + ($10 * 150 lf of Ditch) + ($200 * 2 Acre) = $3400.00.

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<tr>
<th>ISSUES/CONCERNS</th>
<th>Needs</th>
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<td><strong>Escrows:</strong> Escrows have not been paid.</td>
<td><strong>Performance Escrow:</strong> $1500 + ($10 * 150 lf of Ditch) + ($200 * 2 Acre) = $3400.00.</td>
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<td><strong>Maintenance:</strong> The proposed project does include a ditch maintenance easement but the applicant has not acknowledged this easement.</td>
<td>The applicant must acknowledge the 100’ easement centered on the ditch.</td>
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<td><strong>Soils &amp; Erosion Control:</strong> Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading.</td>
<td>A note is required on the grading plan that states stabilizing vegetation is required for disturbed areas within two weeks of rough grading.</td>
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**CONCLUSIONS:** The project does meet District standards. Escrows, Maintenance and Soils & Erosion Control issues need to be submitted prior to issuance of a permit.
RECOMMENDATION: Approve with 3 Stipulations

Stipulations:
1. Receipt of escrows.
2. The applicant must acknowledge the 100’ easement centered on the ditch.
3. A note is required on the grading plan that states stabilizing vegetation is required for disturbed areas within two weeks of rough grading.