COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 28, 2014
AGENDA NUMBER: 9
FILE NUMBER: 14-027
ITEM: Butternut St Soil Removal

RECOMMENDATION: Approve with 1 Stipulation

APPLICANT: Mark Smith
2120 Otter Lake Dr
St Paul MN 55110

PURPOSE: Remove excess soils of future plat and use to fill shortfall at Catcher’s Creek

LOCATION: East of Butternut St/South of Andover Blvd, Andover

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. One or more cumulative acres of land disturbance.
4. The lands and water that have been, or may be covered by the regional flood.
5. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Uses)
6. High water table, outwash and organic soils.
7. High infiltration soils.
8. Highly erodible soils
9. Any land alteration within 1 mile of an impaired water

EXHIBITS:
• Geotechnical exploration & Review Report, Dated March 28, 2014, Received April 2, 2014
• Revised Geotechnical Exploration & Review Report, Dated April 11, 2014, Received April 16, 2014
• MPCA Construction Permit, Dated April 1, 2014, Received April 2, 2014
• Site Assessment for Wetlands by Kjolhaug Environmental Services, Dated April 2, 2014, Received April 2, 2014
• Grading Plans, Dated March 31, 2014, Received April 2, 2014
• Revised Grading Plans, Dated April 14, 2014, Received April 16, 2014
• Hydrocad Calculations, Dated April 15, 2014, Received April 16, 2014
**HISTORY & CONSIDERATIONS:**
The site is to the east of the Catcher’s Creek development site. The site was cleared last fall and the applicant is proposing to excavate the site to make up for the shortfall of material at the Catcher’s Creek site.

**FINDINGS:**

**Ditches and Drainage:** There is a public ditch on the property. The ditch is County Ditch 57. The ditch has not been inspected. There are approximately 0 acres of existing agricultural land affected by this ditch. The trend in land use for this drainage area is toward residential. There are flooding concerns downstream. Alternatives to additional drainage considered and reviewed include storage and infiltration. The ditch was last repaired in 2001. The ditch is not in need of repair.

**Floodplain:** There is floodplain on the property according to FEMA. The district Atlas 14 model predicts the 100-year elevation for the subwatershed at 878.3 feet. There will be no floodplain impacts for this project.

**Groundwater:** Ground water is present at 874 ft.

**Historic Sites:** The proposed project does not include sites of historic or archaeological 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 any maintenance easements.

**Soils & Erosion Control:** Soils affected by the proposal are Sartell and Zimmerman. Stabilizing vegetation is proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. All wetlands, water bodies, ponds, infiltration basins and water conveyance systems are protected from erosion and sedimentation.

**Stormwater & Hydraulics:** Stormwater leaving the site is discharged into a well-defined receiving channel and routed to a public drainage system. Drainage sensitive uses 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 impervious drainage areas greater than 1 acre. There are no discharges into wetlands. 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 do not exist on-site according to the 1987 Federal Manual and its associated supplement(s), NWI, and Soils Survey.

**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.

**Performance escrow:** $5,265.00

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<th>ISSUES/CONCERNS:</th>
<th>NEED:</th>
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<tr>
<td>Escrows: $2,000 + (6.53 acres x $500/acre)= $5,265.00</td>
<td>1. Receipt of escrows</td>
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**RECOMMENDATION:** Approve with 1 Stipulation.

**Stipulations:**
1. Receipt of escrows.

Note: Staff requested an explanation of how stormwater will be handled & treated with the future proposed residential development on this site on April 11, 2014. Current low point of the mining operation becomes a high point according to the proposed plat & street layout. The concern is that the mining will restrict options to meet Coon Creek rate, water quality and volume management rules when the Butternut Street development is designed. The Applicant provided a comment on April 15, 2014 indicating that it was impossible to speculate future stormwater runoff for this site.