COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 14, 2014
AGENDA NUMBER: 19
FILE NUMBER: 14-043
ITEM: Prairie Road

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT: Jason Law
City of Andover
1685 Crosstown Blvd NW
Andover MN 55304

PURPOSE: Mill and overlay of Prairie Road, NW. Including storm sewer and culvert replacement.

LOCATION: The section of Prairie Road NW, from 157th Avenue NW on the North to Andover Blvd. N.W. on the South.
APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. One or more cumulative acres of land disturbance.
3. The lands and water that have been, or may be covered by the regional flood (A zone).
4. High water table, outwash and organic soils.
5. High infiltration soils.
6. Highly erodible soils
7. Excavation or filling or a combination of excavation and filling of sand or other excavation or fill material including the laying, repairing, replacing or enlarging of a culvert or an underground pipe or facility where it crosses a public ditch or waters of the state.
8. Endangered, Threatened or Special concern species, elements of communities.

EXHIBITS:

HISTORY & CONSIDERATIONS:
The City of Andover will be doing this project in conjunction with Station Parkway Mill and Overlay and Prairie Knoll Park Parking Lot Improvements. Construction is anticipated to begin late May/early June and be completed by mid-summer.

FINDINGS:
Ditches and Drainage: There is a public ditch on the property. The ditch is #20. The ditch was inspected in 2013. The ditch is not in need of repair.

Floodplain: There is floodplain on the property according to FEMA but is unaffected because there is no change in watershed boundaries, impervious surface or hydraulic structures.

Groundwater: Ground water information was not provided. The site does include groundwater sensitive areas.

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 include a ditch maintenance easement or utility line crossing.

Soils & Erosion Control: Soils affected by the proposal are Isanti. Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Adjacent properties are not protected from sediment deposition. All wetlands,
waterbodies, ponds, infiltration basins and water conveyance systems are not protected from erosion and sedimentation. Project site is greater than 1 acre; an NPDES permit is required.

**Stormwater & Hydraulics:** The applicant is not required to meet the volume management requirement because this is a mill and overlay project with no change in impervious surface. 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 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. The applicant is proposing to change the 48” CMP at County Ditch 20 with a 48” RCP.

**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.

**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 include the threatened species Loggerhead Shrike (*Lanius ludovicianus*). The site does not include rare natural communities. Staff has contacted the DNR for additional information on options for the property to provide habitat for the bird. The DNR literature suggests preserving scattered shrubs and trees or plant red cedar, hawthorn and plum trees for nesting. The literature also suggests leaving barb wire fences. The DNR also recommends that during the breeding season, shrubs and trees are checked for nests prior to cutting to prevent incidental takings.

**Performance escrow:** $2,780.00

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<th>ISSUES/CONCERNS:</th>
<th>NEED:</th>
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<td><strong>Soils &amp; Erosion Control:</strong> Soils affected by the proposal are Isanti. Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Project site is greater than 1 acre; an NPDES permit is required.</td>
<td>1. Provide a note on the plans stating that seeding will occur within two weeks of the completion of rough grading.</td>
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<td>District engineering records show the existing 48” CMP culvert has upstream elevation of 884.53 ft and downstream elevation of 884.48 ft. Engineering records are in 1929 Datum and have been corrected to the 1988 Datum. Provide as built.</td>
<td>2. District engineering records show the existing 48” CMP culvert has upstream elevation of 884.53 ft and downstream elevation of 884.48 ft per 1988 datum. Provide as-built information to verify the new 48” RCP was installed within a 0.1’ tolerance and is sloped downstream.</td>
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information to verify new 48” RCP has matching elevations.

| Wildlife: The proposed project does include the threatened species Loggerhead Shrike (*Lanius ludovicianus*). | 3. It is recommended that landscaping be provided that is conducive to supplying habitat for the Loggerhead Shrike. |
| Escrows: $1,500 + (1.56 acres x $500/acre) = $2,780.00 | 4. Receipt of escrows |

**RECOMMENDATION:** Approve with 4 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. District engineering records show the existing 48” CMP culvert has upstream elevation of 884.53 ft and downstream elevation of 884.48 ft per 1988 datum. Provide as-built information to verify the new 48” RCP was installed within a 0.1’ tolerance and is sloped downstream.
3. Provide a note on the plans stating that seeding will occur within two weeks of the completion of rough grading.
4. It is recommended that landscaping be provided that is conducive to supplying habitat for the Loggerhead Shrike.