COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 14, 2012
AGENDA NUMBER: 10
FILE NUMBER: 12-032
ITEM: 2307 155th Lane Private Culvert CD 37

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Randall Chadwick
2307 155th Lane
Andover, MN 55304

PURPOSE: Installation of private culvert connecting CD 37 to a Private Lateral Ditch and installation of a rock check weir in CD 37.

LOCATION: Ditch 37 2307 155th Lane, Andover, MN 55304
APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. The lands and water that have been, or may be covered by the regional flood.
3. Excavation or filling or a combination of excavation and filling of sand or other
evacuation 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.

EXHIBITS:
1. Permit application for Crossing or Culvert Installation by Randall Chadwick dated
6-20-12, received 6-25-12.
2. Signed Letter from James Fields (Adjacent Property Owner) granting approval of
the culvert connecting his private lateral to the County Ditch 37, dated 6-21-12,
received 6-25-12

HISTORY & CONSIDERATIONS: This project has not been reviewed by the Board.
This is an after the fact permit application for the newest crossing. The culvert located on
CD 37 was done by the previous property owner and no permit was applied for at that
time. The applicant has complied with all City and CCWD requests to date and is
applying for the previous culvert as well as the newest culvert running north and south
which connects a private lateral to CD 37.

FINDINGS:
Ditches and Drainage: There is a public ditch on the property. The ditch is County
Ditch 37. The ditch has been inspected. There are approximately 720 acres of existing
agricultural land affected by this ditch all of which is downstream from the proposed
project. The trend in land use for this drainage area is toward open space and agriculture.
There are no flooding concerns downstream.

Floodplain: There is non-detailed 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 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 crossings which have not been acknowledged by the applicant. No water
quality features are required or proposed therefore a drainage and utility easement is not necessary. The application proposes no changes in drainage from the approved ditch plans.

**Soils & Erosion Control:** Soils affected by the proposal are Rifle. Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. Work adjacent to water conveyance systems is protected from erosion. Project site is not greater than 1 acre; an NPDES permit is not required.

**Stormwater & Hydraulics:** The applicant is not required to meet the volume management practice equivalent to infiltrating the first inch of precipitation because no new impervious area is proposed. Stormwater leaving the site is discharged into a well defined receiving channel and routed to a public drainage system. Drainage sensitive uses do exist down stream 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. The project is a culvert replacement at CCWD approved elevations. This project proposes no wetland impacts.

**Escrows:** Escrows have not been paid.  
**Performance Escrow:** $1500 + ($10 * 75 lf of Ditch) = $2250.00.

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<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 * 75 lf of Ditch) = $2250.00.</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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CONCLUSIONS: The project does meet District standards. Maintenance issues need to be submitted prior to issuance of a permit.

RECOMMENDATION: Approve with 2 Stipulations
Stipulations:
1. Receipt of escrows.
2. The applicant must acknowledge the 100’ easement centered on the ditch.