COON CREEK WATERSHED DISTRICT
Request for Board Action

MEETING DATE: June 23, 2014
AGENDA NUMBER: 5
ITEM: Review and Declaration of Emergency on Ditch 44-3

POLICY IMPACT: Policy
FISCAL IMPACT: Budgeted

REQUEST
Adopt attached resolution

BACKGROUND
The Board has reviewed or discussed this issue on May 12, May 27, June 9 and at the District tour June 16

Dates of Occurrence
Emergency has occurred most recently as a result of the record rain falls in April, May and June, 2014.

Brief Description
High water as a result of rain fall has been unable to drain because of the elevation of the culvert at Lexington Ave and Ditch 44-3 near 161st St in Ham Lake. High water has led to basement flooding through seepage from high ground water levels. The threat of structural inundation of the home and saturation of the septic system is high.

Damages and Extent of Values at Risk
Residents upstream from Lexington Ave cited the following:
Charlie and Louann Cherrier indicated water has been:
   1. Seeping into their basement for the last four weeks,
   2. Approaching surface inundation of their basement door
   3. Approaching inundation of their septic system.

Jerome Berg indicated:
   1. Property flooding to a depth of 20 inches in his back yard.

<table>
<thead>
<tr>
<th></th>
<th>Cherrier</th>
<th>Berg</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land</td>
<td>73,700</td>
<td>59,500</td>
<td>$133,200</td>
</tr>
<tr>
<td>Improvements</td>
<td>215,200</td>
<td></td>
<td>$215,200</td>
</tr>
<tr>
<td>Total</td>
<td>288,900</td>
<td>59,500</td>
<td>$348,400</td>
</tr>
</tbody>
</table>
**Probability of Future Events**  
Highly probable – Culvert at Lexington acts as an obstruction. As the hydrologic cycle moves towards an apparent wetter condition, flood frequency will most likely increase.

**Emergency Actions Taken**
1. Three separate deployments of a pump to lower water ponded on the west side of Lexington through the existing culvert to County Ditch 44-3 as a result of additional rainfall.

**Plan for corrective actions:**

<table>
<thead>
<tr>
<th>Action</th>
<th>Need &amp; Reason</th>
<th>Responsible Party</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dewatering</td>
<td>Extreme - needed to reduce immediate threat property.</td>
<td>CCWD</td>
<td>$6,000</td>
</tr>
<tr>
<td>Lower Culvert</td>
<td>High - action needed to meet District management objectives and address the situation posing a threat to property.</td>
<td>Anoka County Highway Department</td>
<td>$10,000</td>
</tr>
<tr>
<td>Repair Ditch</td>
<td>High - action needed to meet District management objectives and further address the drainage conditions posing a threat to property.</td>
<td>CCWD</td>
<td>$11,000</td>
</tr>
</tbody>
</table>

**ISSUES/CONCERNS**

**Impact of emergency actions on water resources**
Removal of surface water has no adverse environmental impact on existing water and related resources

**Beneficial and adverse effects on Water and Related Resources**

Lowering culvert and repairing ditch 44-3 to the original elevations will return the landscape to normal conditions. Any wetland drainage that may occur as a result is exempt because they are unintentionally created. Culvert elevations are now fixed and monumented.

**Do not exacerbate present conditions:**  
All actions alleviate the current flooding situation

**Environmentally Sound**
The actions taken are the minimum needed to reduce the risk to life and property

**Economically Justified**
Values at risk and impaired are 13 times the estimated cost of corrective actions
RECOMMENDATION
Adopt attached resolution

RESOLUTION NO. 14-

AUTHORIZING EMERGENCY REPAIR WORK TO PREVENT FLOODING ON ANOKA COUNTY PUBLIC DITCH NO. 44-3

WHEREAS, the Coon Creek Watershed District (District) is a metropolitan watershed district with the powers and authorities as set forth in the Minnesota Watershed Law, Minnesota Statutes chapter 103D, and the Minnesota Metropolitan Surface Water Management Act, Minnesota Statutes chapter 103B, to manage the natural resources and public drainage systems within the watershed district; and

WHEREAS, in accordance with the above authorities the District has adopted an approved watershed management plan, and is implementing its water management programs to prevent flooding, protect, preserve and maintain the natural surface water and public drainage systems in the District; and

WHEREAS, the District has been advised of severe flooding within an area of Anoka County Public Ditch No. 44-3 located at Lexington Avenue and 165th in Ham Lake, Minnesota (see map attached); and

WHEREAS, the severe flooding is creating a clear and imminent danger to the health and welfare of the District’s residents, and it is necessary for the District to implement a repair project on that portion of the public ditch system to alleviate the flooding in the subject area.

THEREFORE BE IT RESOLVED that the District Board of Managers authorizes District staff to implement an emergency repair project on that part of Ditch No. 44-3 as determined by District staff and the District Engineer to alleviate flooding and prevent property damage in the affected area.