COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE:       July 13, 2015
AGENDA NUMBER:      11
FILE NUMBER:        15 - 078
ITEM:              W. Central Service Road Realignment

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT:         City of Blaine
                   Attn: Stefan Higgins
                   10801 Town Square Dr
                   Blaine MN 55449

PURPOSE:           Construction of service road with curb and gutter and regional infiltration basins.

LOCATION:         West Central Avenue Service Road between 85th Ave and 87th Ave.
APPLICABILITY:
1. One or more cumulative acres of land disturbance.
2. High infiltration soils.
3. Highly erodible soils
4. Endangered, Threatened or Special concern species, elements of communities.

EXHIBITS:

HISTORY & CONSIDERATIONS:
The infiltration basin being constructed as part of this project is for regional water quality and rate control for Laddie Lake. The East Central Ave service road that was constructed in 2014 had site constraints that did not allow for infiltration requirements to be met. The drainage from E. Central Ave eventually drains to Laddie Lake. As part of the West Central Ave service road construction, the infiltration basin was oversized to accept water from the nearby area and reduce the overall amount of stormwater entering Laddie Lake.

FINDINGS:
Ditches and Drainage: There is not a public ditch on the property. The project site is tributary to Laddie Lake and eventually CD 17. The trend in land use for this drainage area is toward open space, residential. There are no flooding concerns downstream. Alternatives to additional drainage considered and reviewed include storage and retention.

Floodplain: There is no floodplain on the property according to FEMA. The District Atlas 14 model predicts the 100-year elevation for the subwatershed at 895.9 feet. The total floodplain impact is 0 acre-feet. Compensatory storage is not needed.

Groundwater: Surficial ground water is present at 900-903 feet. The site does not include groundwater sensitive areas. Information is not needed substantiate low floor elevations, no buildings 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 property is owned by the City, an easement is not required. It is unknown if 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 Zimmerman. 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 protected from erosion and sedimentation. Project site is greater than 1 acre; an NPDES permit is required.

Stormwater & Hydraulics: The applicant is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. 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. All discharges into wetlands are pretreated by a sediment basin/water quality pond and are designed correctly. 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, NWI, PWI and Soil Survey.

Wildlife: The proposed project does include the special concern Gophersnake (*Pituophis catenifer*). The DNR requires wildlife-friendly erosion control be used for the project to minimize disturbance to the snake.

Performance Escrow: $2,750.00

ISSUES/CONCERNS:

| Stormwater & Hydraulics: The applicant is meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation. A post construction test on the infiltration basin will be required to verify the assumed infiltration rates are obtained. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results. | 1. The applicant must acknowledge that they will conduct a post construction test on the infiltration basin by filling the basin to a minimum depth of 6 inches with water and monitor the time necessary to drain. The Coon Creek Watershed District shall be notified prior to the test to witness the results. |
Soils & Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within two weeks of rough grading. Adjacent properties are not protected from sediment deposition. Grading from 1+50 to 2+50 on the western side of the road is away from the construction activities and therefore susceptible to sedimentation.

<table>
<thead>
<tr>
<th>Results</th>
<th>Stipulations</th>
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<tbody>
<tr>
<td>2. Provide note on drawing that stabilizing vegetation is proposed within 14 days of rough grading for all areas, not just areas within 200’ of waterway.</td>
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