

## Work Type Description

### Water Resources Services



#### I. **Minimum requirements:**

Services B, C & D require the work being completed is under the direct supervision of a Minnesota Professional Civil Engineer.

#### II. **Description**

Services may include:

- A. Stormwater pollution prevention
- B. Hydrologic analysis and design
- C. Facilitate and obtain regulatory approvals
- D. Floodplain impact/mitigation

#### III. **Provided by Consultant**

Deliverables to be supplied by the consultant and requirements for a project may include but are not limited to the following:

- Stormwater Pollution Prevention Plan
- Maintenance plans
- Stormwater systems design (sewer, ditch, culvert, treatment facilities, etc) to meet quality, volume, and rate control requirements
- Develop construction documents including plans, specifications and estimates for stormwater improvements
- Hydraulic risk assessment including water surface profiling
- Floodplain modeling, impact assessment, and mitigation plan
- Facilitate and obtain regulatory approvals:
  - Assist or lead negotiations and presentations
  - Obtain permits and approvals from agencies such as FEMA, FHWA, DNR, USACE, watersheds, cities, etc.
  - Produce exhibits, submittals, narratives
- Familiarity with MnDOT drainage design criteria and MnDOT State Aid Rules
- Experience working with regulatory agencies within Hennepin County
- Familiarity with MPCA Stormwater Manual and Stormwater Minimal Impact Design Standards (MIDS)