



Stormwater Management Plan (SWMP) Site Map Requirements

All SWMP Site Maps Must adhere to Good Engineering, hydraulic, and Pollution Control Practices

- ◆ **Initial SWMP Site Maps** (initial topography and drainage, outline of proposed roadway and stationing)
 - **Limits of Construction (LOC)**
 - **Limits of Disturbance (LDA)**
 - **Flow Arrows providing information on run-on and runoff**
 - **Protection Fencing (Wetlands, Exclusion Areas, Historic/Cultural/Paleo sites, Tree/Vegetation Protection, etc.)**
 - **Existing Conditions (Wetlands, trees to be removed, etc.)**
 - **Transect Locations (with pre-construction vegetative percent cover for each transect)**
 - **Receiving Waters (streams, ditches, lakes, existing culverts, roadside swales inlets, etc.)**
 - **Structural control measures needed for initial work areas (typically perimeter control such as Erosion logs, silt fence, aggregate bags etc.)**
 - **Inlet and receiving or sensitive area protection (Erosion logs, silt fence, aggregate bags etc.)**
 - **Protection for existing vegetative including within 50 ft of receiving waters if protection is feasible.**
 - **Landforms**
 - **Vehicle Tracking pad (initial access to site if known- contractor may supply information and locations)**
 - **Topsoil salvage location (based on topsoil sample results)**
 - **Topsoil stockpile location and associated control measures**
- ◆ **Interim SWMP Site Maps (Everything on Initial plans plus)** (interim maps will serve as SWMP Admin for Construction base maps and will include proposed grading and designs. Many items may be added by the contractor in the field after CDOT approval; however, quantities should be estimated for all items. Bolded items should be located on Site Maps by SWMP Administrator for Design),
 - **Top of Cut**
 - **Toe of Fill**
 - **Additional Structural control measures such as but not limited to:**
 - **Temporary Berms/berm and ditch**
 - **Check dams (with spacing requirements by gradient- See Chapter 5 Erosion Control and Stormwater Quality Manual))**
 - **Silt Fence**
 - **Erosion logs**

- **Additional Inlet protection**
- **Runon and runoff protection**
- Vehicle tracking pads/stabilized construction entrances (additional construction site access may be added by contractor)
- Concrete Washout Structures (May be added by contractor)
- **Temporary sediment basins or sediment traps**
- **Permanent water quality features that can be used (offline) during construction**
- Non-structural control measures such as but not limited to:
 - Temporary stabilization (to be added by contractor in the field)
 - interim stabilization (to be added by contractor in the field)
 - Erosion Control Management
- Dewatering (to be added by Contractor)
- Areas used for storing and stockpiling of materials, staging areas (field trailer, fueling, etc) waste accumulation and batch plants including masonry mixing stations (to be added by the Contractor)
- Clean water/stream diversions/temporary stream crossings (to be added by Contractor)
- **Temporary slope drains**
- ◆ **Permanent Stabilization Site Maps** (proposed grading and all permanent surfacing and features)
 - **Limits of Construction (LOC)**
 - **Limits of Disturbance (LDA)**
 - **Flow Arrows**
 - **Receiving Waters (streams, ditches, lakes, culverts, roadside swales inlets, etc.)**
 - **Soil and Vegetation Management (Amendment locations, areas to rip, drill seed, hydro seed, etc.)**
 - **Soil retention blankets (class), TRM (class), Spray on mulch blanket/BFM, mulch, crimp, tack**
 - **Wetlands mitigation**
 - **Permanent check dams, rundowns or riprap**
 - **Permanent water quality features**