

MSD EPSC DETAILED CONSTRUCTION PLAN CHECKLIST

Project Name: _____

MSD File ID: WM # _____ Sub # _____ Record # _____

OVERALL DESIGN REMOVAL EFFICIENCY OF EPSC PLAN

- ___ Provide calculations necessary to support achievement 80% or greater design removal efficiency

SENSITIVE FEATURE PROTECTION

- ___ Slopes greater than 20% - Delineate and show protection mechanism
- ___ Karst features with well-defined surface opening (cave, sinkhole, etc) - Delineate and show protection mechanism
- ___ Wetlands - Delineate and show protection mechanism
- ___ Lakes, impoundments, solid & intermittent blue line streams - Delineate and show protection mechanism
- ___ Waters of the Commonwealth - Provide 25 foot mandatory buffer per the Floodplain Ordinance
- ___ Erodible soils per the Sensitive Feature application - Delineate and show protection mechanism
- ___ Specify soil type and hydrologic soil group at finished grade
- ___ Delineate site location on Jefferson County Soil Survey maps

INLET PROTECTION AND PERIMETER CONTROL

- ___ Show location of inlet sediment control BMPs.
- ___ Avoid use of rock bags around inlets on roadways, provide source protection above the curb or, if applicable, allow sediment-laden flow to enter sediment basin or sediment trap
- ___ Provide adequate perimeter control to prevent sediment from leaving the site on all boundaries
- ___ Provide diversions, where applicable, to divert clear water around disturbed area

STORMWATER DISCHARGE

- ___ Design all pipe end treatments and flow control devices to prevent channel erosion
- ___ Submit allowable shear stress and velocity calculations showing that all outlets and channels are stable
- ___ Channels to be stabilized with seed must also have a temporary matting designed and defined
- ___ Design all detention basins as temporary sediment basins during construction

SEDIMENT CONTROL BMPs – SEDIMENT BASINS

- ___ For 5 acres or more draining to a point, a sediment basin is required
- ___ Submit calculations on basin and outlet structure design
- ___ Detail basin & outlet structure (basin dimensions, riser /barrel diameter and height, perforation specifications)

SEDIMENT CONTROL BMPs – SEDIMENT TRAPS

- ___ For 5 acres or less draining to a point
- ___ Submit calculations on trap design
- ___ Detail trap and outlet structure (trap dimensions, rock face parameters, etc.)

ADDITIONAL REQUIREMENTS FOR UTILITY LINES AND CREEK CROSSINGS

- ___ Address all creek crossings
- ___ Address groundwater encountered during trenching (de-watering)
- ___ Provide all bore pits and receiving pits with sediment traps for de-watering activities

OTHER EPSC PLAN ELEMENTS

- ___ Legend of all BMPs
- ___ Licensed Engineer's Stamp
- ___ Existing and Proposed Contours
- ___ Limits of Disturbance
- ___ Construction sequence and phasing necessary to implement EPSC plan as designed
- ___ Locate all BMPs on the drawing
- ___ Provide stabilized construction entrances at all points of ingress/egress
- ___ Provide details or standard drawing reference for all specified BMPs
- ___ Show surface stabilization methods and techniques for all surfaces including slopes
- ___ MSD Standard EPSC Note
- ___ Define maintenance and clean-out schedule for all BMPs
- ___ Permittee's self-inspection form