

Design Summary Tables

Central Virginia Erosion & Sediment Control Committee

3.13 Temporary Sediment Trap	3.14 Temporary Sediment Basin	3.15 Temporary Slope Drain	3.17 Stormwater Conveyance Channel
ID (ST-1, ST-2, etc) drainage area dry storage volume wet storage volume excavation depth bottom elevation sediment cleanout elevation outlet elevation embankment elevation outlet spillway length (across flow) embankment top width	ID (SB-1, SB-2, etc) drainage area dry storage volume wet storage volume length-to-width ratio excavation depth bottom elevation sediment cleanout elevation principal spillway elevation emergency spillway elevation design high water elevation embankment elevation riser pipe diameter anti-vortex device diameter dewatering tube diameter embankment top width embankment side slopes riser base thickness riser base dimensions number of anti-seep collars	ID (TSD-1, TSD-2, etc) drainage area pipe diameter	ID (SCC-1, SCC-2, etc) design flow * bottom width channel depth design water depth side slopes channel slope flow velocity lining material Manning's n

* Each occurrence of a design flow value must also include an associated entry in the Design Flow Summary table

Calculations for each occurrence of the above listed features must be presented in tabular format.
 Tables should include each of the above listed parameters for each such occurrence.

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3/28/2005

3.18 Outlet Protection	3.19 Rip Rap	3.20 Rock Check Dams	3.21 Level Spreader	3.24 Temporary Vehicular Stream Crossing
ID (OP-1, OP-2, etc) design flow * tailwater depth discharge velocity rip rap gradation apron length apron width(s) side slopes apron depth	ID (RR-1, RR-2, etc) stone gradation blanket thickness blanket dimensions	ID (CD-1, CD-2, etc) stone gradation height	ID (LS-1, LD-2, etc) design flow * weir length weir flow depth weir lip type weir elevation approach length downstream flow length downstream slope	ID (SC-1, SC-2, etc) design flow * average basin slope installation duration culvert slope number of barrels barrel diameter roadway width

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3/28/2005

3.25 Utility Stream Crossing	3.26 Dewatering Structure	Detention Basin	Drainage Pipe	Design Flow Summary *
ID (USC-1, USC-2, etc) design flow * installation duration natural stream width crossing method	ID (DS-1, DS-2, etc) pump discharge rate structure type structure volume	ID (DB-1, DB-2, etc) design flow * design outflow rate minimum water depth maximum water depth bottom elevation all spillway outlet elevatons embankment elevation	(ID P-1,P-2, etc) design flow * design velocity pipe diameter pipe slope pipe material pipe ownership upstream structure top elev. upstream invert elevation downstream structure top elev. downstream invert elevation design upstream water level	feature ID (P-1, OP-1, etc) design event frequency rainfall intensity POST DEVELOPMENT drainage ID(s) (DA-1, DA-2+3, etc) drainage area drainage area size composite runoff factor design flow PRE DEVELOPMENT drainage ID drainage area size time of concentration composite runoff factor design flow

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Each entry in the Design Flow Summary Table must reference the appropriate labeled drainage area on the Drainage Area Map.