

Supplemental Guidance

ESC Plan(Erosion & Sediment Control Plan)

Every project with greater than 1 acre of disturbance triggers the ESC. Every project over one acre of ground disturbance also requires an NPDES permit.

All ESC plan sheets must be signed by a Level II certified party.

Include a REVISION BLOCK on all ESC plan sheets.

Describe installed BMP's in the Special Contract Requirements (SCR's).

Runoff Coefficient

Typically each state will have a table of runoff coefficients in their stormwater manual.

For example, **Virginia**:

http://www.dcr.virginia.gov/stormwater_management/documents/smhbdraft05.pdf.

Another example is here: <http://water.me.vccs.edu/courses/civ246/table2b.htm>,

North Carolina's table is listed below;

Rational runoff coefficients (ASCE, 1975; Viessman, et al., 1996; and Malcom, 1999)

<u>DescriptionofSurface</u>	<u>RationalRunoffCoefficients,C</u>
Unimproved Areas	0.35
Asphalt	0.95
Concrete	0.95
Brick	0.85
Roofs, inclined	1.00
Roofs, flat	0.90
Lawns, sandy soil, flat (<2%)	0.10
Lawns, sandy soil, average (2-7%)	0.15
Lawns, sandy soil, steep (>7%)	0.20
Lawns, heavy soil, flat (<2%)	0.15
Lawns, heavy soil, average (2-5%)	0.20
Lawns, heavy soil, steep (>7%)	0.30
Wooded areas	0.15

Use your State's specific runoff coefficients, if available.

If none are available in the State's stormwater manual, use the table above or compute manually using the form at;

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