



NOTES TO THE DESIGNER
North Carolina Erosion & Sediment Control Narrative
January 15, 2019

General Information

Several states that we regularly work in have recently re-issued their NPDES permits. With their re-issuance, they have made several changes that we will need to comply with in order to obtain coverage under these permits.

Provide an Erosion & Sediment Control (ESC) plan sheet for the entire project limits. (M Sheets)

On the ESC plans, show a "Limits of Disturbance" (LOD) line that encompasses the proposed work and perimeter control BMP's. There is a Microstation "LOD" linestyle available for this use.

Show existing AND proposed contours on the ESC plans.

Show the USDA soil map on the ESC plans.

Show the stream buffer and trout buffer on the ESC plans. Hatch and call out the impact areas. (note that these are two different buffers) The trout buffer extends 25 feet from the top of bank. The stream buffer is calculated as 25 feet + (slope % - 5) feet.

Disturbed areas within the trout buffer must be seeded with a riparian seed mix.

Provide outlet protection sizing calculations in the permitting package submitted to EFL ENV. (not in ESC plans)

Provide diversion channel calculations in the permitting package submitted to EFL ENV. (not in ESC plans) Calculations should demonstrate that the channel has adequate capacity. The capacity of the conveyance should carry the Q10 or Q25 flow, based on the water classification (for HQW, it is 25-yr). The design of the liner may be based on the peak flow for a 2 year storm event.