



# CATAWBA COUNTY DEPARTMENT OF UTILITIES AND ENGINEERING

## Soil Erosion and Sedimentation Control

catawba county

### How Much Ground am I Disturbing?

Dimensions of House (length x width)	
Yard Area (graded area around house)	
Septic Area and Drain Field	
Dimensions of Driveway and Bank/Ditch Area	
Well, Water Lines, and Utility Lines	
Other Graded Areas	
<b>Total Square Footage</b>	

The County's permitting threshold is one acre. If a site falls under this category then they are still required to keep their sediment on their property, meet ground cover requirements, and protect streams, springs, and wetlands. When a construction site disturbs more than one acre of land, the same requirements apply AND they are required to submit an erosion control plan and obtain an erosion control permit.

The application forms for an erosion control permit can be obtained at the Catawba County Permit Center or on the Catawba County website under Erosion & Sedimentation Control. The cost for plan review is \$200.00, which includes the first acre disturbed. Each additional acre is \$150.00. The acreage is rounded up; therefore, 2.1 acres disturbed rounds up to 3 acres.

### Example

One acre equals 43,560 square feet; therefore, this sample site requires a submitted erosion control plan as well as an erosion control permit. The cost for this permit would be \$350.00 since it is slightly larger than an acre

$100' \times 200'$ $= 20,000 \text{ ft}^2$
$2(10' \times 120') + 2(10' \times 200')$ $= 6,400 \text{ ft}^2$
$80' \times 20'$ $= 1,600 \text{ ft}^2$
$(150' \times 10') + (10' \times 400')$ $= 5,500 \text{ ft}^2$
$(10' \times 10') + (5' \times 400')$ $= 2,100 \text{ ft}^2$
$80' \times 100'$ $= 8,000 \text{ ft}^2$
<b><math>= 43,600 \text{ ft}^2</math></b>

