



catawba county
utilities & engineering

**SMALL SITE EROSION AND SEDIMENT CONTROL
FOR SINGLE LOT DISTURBANCE OF LESS THAN ONE ACRE**

Permit Center
P: (828)465-8399
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Dept. of Utilities & Engineering
P: (828)465-8161

L O C A T I O N	<p>DATE: _____</p> <p>ZONING PERMIT #: _____</p> <p>SUBDIVISION: _____</p> <p>STREET ADDRESS: _____</p> <p>PARCEL ID#: _____ LOT#: _____</p> <p>Owner Name: _____ Owner Contact: _____</p>
E R O S I O N C O N T R O L	<p>Size of lot: _____ (sq ft or acres)</p> <p>Amount of lot to be disturbed: _____ (sq ft or acres)</p> <p>Anticipated starting date of construction: _____</p> <p>Is there a stream, lake or watercourse on or near the lot? <input type="checkbox"/> YES <input type="checkbox"/> NO (If yes show on sketch) Name of stream, lake, or watercourse _____</p> <p>Structure Type: (select one)</p> <p>___ Single Family Dwelling ___ Modular Home ___ Two Family Dwelling</p> <p>___ Manufactured Singlewide ___ Manufactured Doublewide ___ Manufactured Triplewide</p>
A P P R O A C H	<p>Please choose one of the following:</p> <p><input type="checkbox"/> The most appropriate option from page 2 is option _____ or a combination of options _____ & _____.</p> <p><input type="checkbox"/> A sediment basin located on lot _____ is handling soil erosion and sedimentation control. A construction entrance will be installed on this lot.</p> <p><input type="checkbox"/> The sediment control plan is attached. Please attach.</p>

EROSION CONTROL OPTIONS FOR LOT CONSTRUCTION

The Soil Erosion and Sedimentation Control Ordinance requires that anyone conducting a land-disturbing activity prevent sediment from leaving the disturbed site. Furthermore, conducting any land-disturbing activity consisting of one acre or more requires a permit before beginning the disturbance. This includes disturbance of multiple lots totaling one acre or more, regardless of proximity to each other within a subdivision; in cases where fill material is stockpiled, needed, or wasted, the area where this material is stored, coming from, or going to, must be included in the total area of disturbance. Erosion Control measures must be installed prior to any grading or construction on site and maintained correctly to function properly. Please refer to the [NC Erosion and Sediment Control Planning and Design Manual](#) for specific guidance as it relates to installation and maintenance. The site shall be inspected for maintenance needs weekly and after each storm event, whichever is sooner.

SEDIMENTATION AND EROSION CONTROL OPTIONS	
L E G E N D	<p>INSTRUCTIONS: IDENTIFY ONE OR ANY COMBINATION OF LETTERS FROM THE SEDIMENT CONTROL SKETCHES BELOW THAT BEST DESCRIBES THE EROSION CONTROL MEASURES THAT WILL BE USED DURING CONSTRUCTION.</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>Silt Fence: </p> <p>Construction Entrance: </p> <p>Direction of Flow: </p> </div> <div style="width: 50%; border: 1px solid black; padding: 5px;"> <p>Construction Sequence:</p> <ol style="list-style-type: none"> 1. Install construction entrance 2. Install silt fence 3. Rough grade site, construct building(s) 4. Final grade and stabilize site 5. Remove erosion control measures after site has been inspected for compliance by the Department of Utilities & Engineering. </div> </div>
E R O S I O N C O N T R O L O P T I O N S	<div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 10px;"> <div style="text-align: center;"> <p>Flow to the Rear OPTION A</p> </div> <div style="text-align: center;"> <p>Flow to the Front OPTION B</p> </div> <div style="text-align: center;"> <p>Flow to the Left OPTION C</p> </div> <div style="text-align: center;"> <p>Flow to the Right OPTION D</p> </div> <div style="text-align: center;"> <p>Flow to the Front & Rear OPTION E</p> </div> <div style="text-align: center;"> <p>Flow to the Left & Right OPTION F</p> </div> <div style="text-align: center;"> <p>EXAMPLE</p> <p>Combination C & E</p> </div> </div>
<p>Construction Examples</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Hard Surface Public Road</p> <p>50' minimum</p> <p>6" minimum</p> <p>Crusher Run Gravel</p> </div> <div style="text-align: center;"> <p>Spacing of metal tee post with fabric shall be max. of 6' without wire fence Spacing of metal tee post with fabric and wire fence shall be max. 8'</p> <p>Direction of flow</p> </div> </div>	

If wetness is a problem geotextile fabric will be required

36" fabric **buried** 12 inches in a 4" wide x 8" deep trench and backfilled with compacted soil