



Erosion Control Requirements for Single Site Construction (including Single Family, Duplex, and Commercial Sites)

Due to an increase in the number of violations for sediment loss on non-permitted construction sites, the City would like to remind all contractors that in order to ensure compliance with State and local regulations, all construction sites (including residential sites) should at a minimum maintain a construction entrance and install silt fence at the back of curb and at the low side of the site. Details and typical placement of devices are included. Sites with a disturbed area less than 1 acre are not required to obtain a permit or plan approval but are required to stay compliant to all parts of the Soil Erosion and Sedimentation Control Ordinance along with the NC Sedimentation Pollution Control Act of 1973. Sites disturbing 1 acre or more require an approved plan and permit which shall dictate measures and compliance.

Soil and Erosion and Sedimentation Control Ordinance (Chapter 31.5)

- Sec.31.5-2. – Purpose

This chapter is adopted for the purposes of: (1) Regulating certain land-disturbing activity to control accelerated erosion and sedimentation in order to prevent the pollution of water and other damage to lakes, watercourses, and other public and private property by sedimentation

- Sec.31.5-3. – Definitions

Person conducting land-disturbing activity means any person who may be held responsible for violation unless expressly provided otherwise by this chapter, the Act, or any order adopted pursuant to this chapter or the Act.

Protection of property. Persons conducting land-disturbing activity shall take all reasonable measures to protect all public and private property from damage caused by such activity.

- Sec.31.5-15. – Existing uncovered areas.

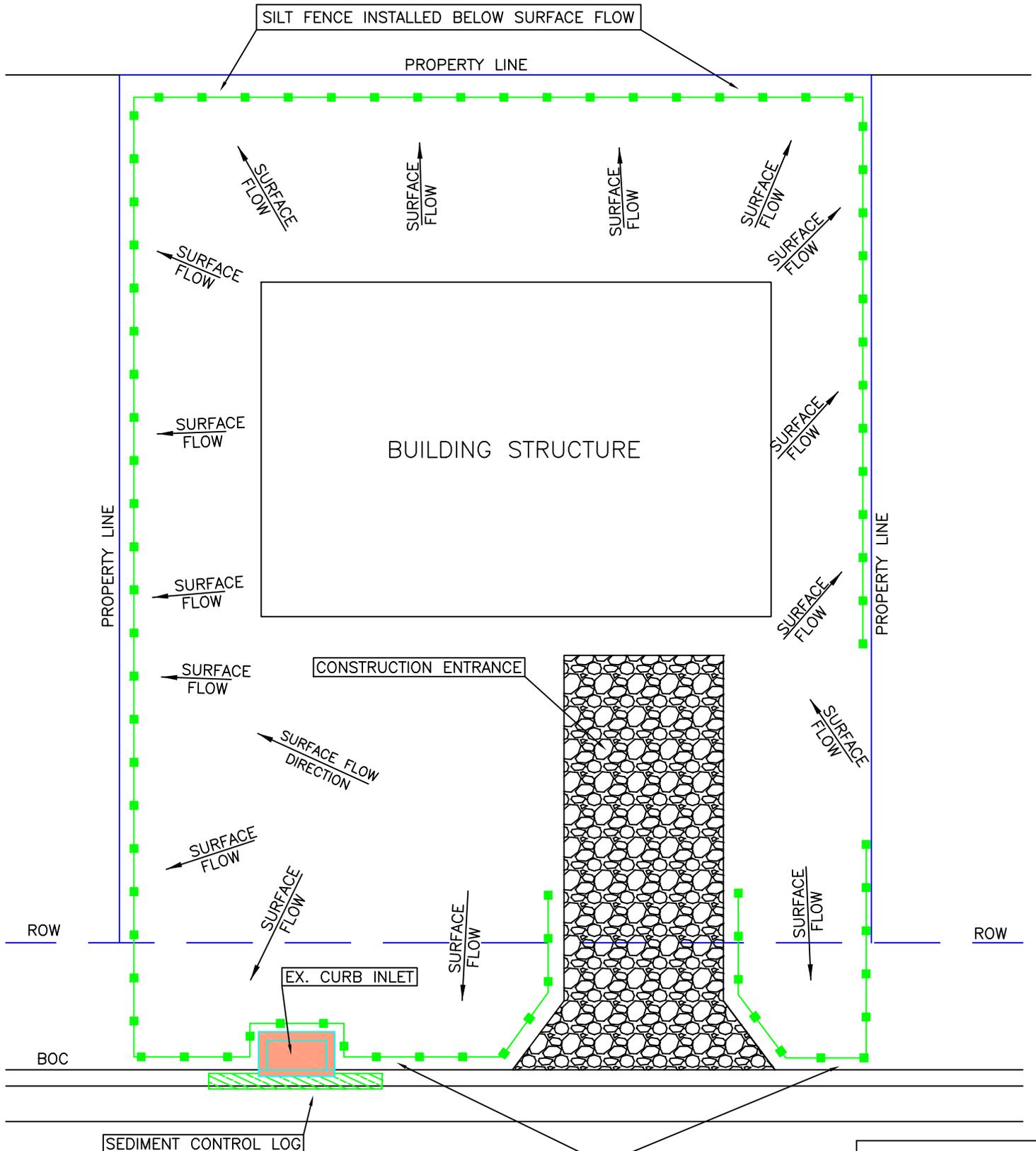
(1) The city reserves the right to require preparation and approval of a plan in any instance where extensive control measures are required.

Penalties

The City can assess a civil penalty of \$5,000.00 per day for each violation. The City may also require restoration to offsite areas affected by sediment leaving the site (as per Sec.31.5-19,21). Future Building Inspections may not be scheduled while the site is in violation of any City Ordinance.

Any questions or for specific site requirements contact Engineering at (336) 222-5050

TYPICAL MINIMUM EROSION CONTROL REQUIREMENTS FOR SINGLE SITE CONSTRUCTION
 FOR SPECIFIC SITE REQUIREMENTS PLEASE CALL ENGINEERING AT 336-222-5050
 NOT TO SCALE

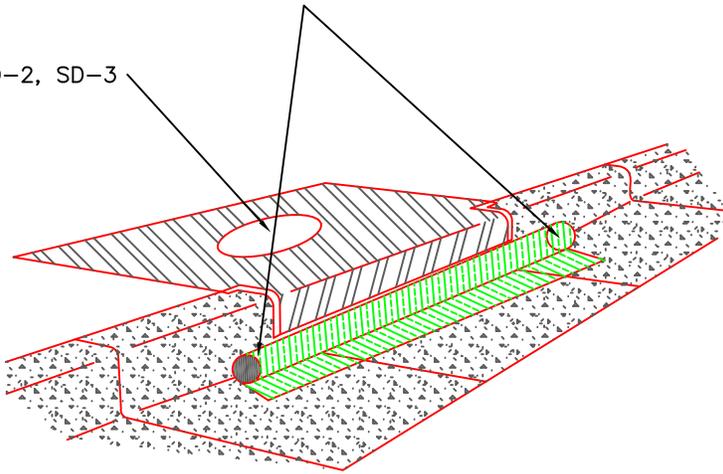


SILT FENCE INSTALLED AT BOC ALONG FRONTAGE
 TURNED 10' (MIN) ALONG CONSTRUCTION ENTRANCE

PREPARED BY:
 CITY OF BURLINGTON
 ENGINEERING DEPT.
 APPROVED BY: WTL
 VER: 09/21/17

SEDIMENT CONTROL LOG MUST EXTEND BEYOND THE INLET'S OPENING A MINIMUM OF 12" ON BOTH SIDES.

STANDARD SD-2, SD-3



NOTES:

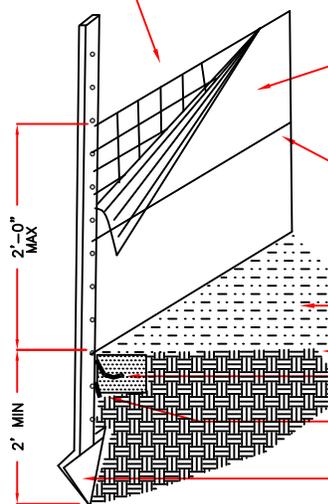
1. SEDIMENT CONTROL LOGS ARE TO BE USED ON EXISTING CURB INLETS WHICH ARE LOCATED ADJACENT TO OCCUPIED TRAVEL LANES WITHIN THE DISTURBED LIMITS OF A BUILDING SITE.
2. SEDIMENT CONTROL LOGS ARE TO BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S INSTRUCTIONS AND PROPERLY WEIGHTED IN ORDER TO REMAIN SECURELY IN PLACE.
3. SEDIMENT CONTROL LOGS ARE TO BE CONSTRUCTED OF WOOD FIBERS, SYNTHETIC FIBERS OR OTHER SUITABLE MATERIAL SUFFICIENT TO RETAIN ITS SHAPE AND ENCASED IN A UV STABILIZED FILTERING MEDIA OF SUFFICIENT STRENGTH TO RETAIN SEDIMENT.
4. SEDIMENT CONTROL LOGS ARE TO BE USED ONLY ON COB SD-2 AND SD-3 STANDARD CURB INLETS. THEY ARE NOT ADEQUATE SEDIMENT CONTROL DEVICES ON SD-4, SD-5 AND NCDOT 840.01 CATCH BASINS. SILT SACK MAY BE USED IN CONJUNCTION WITH A FRAME AND GRATE CATCH BASIN.

SEDIMENT CONTROL LOG INSTALLATION

14 GAUGE STEEL WIRE MESH—MAX 6" SPACING HOOKED ONTO PREFORMED CHANNELS ON STEEL POSTS.

NOTES:

- 1) TOTAL DRAINAGE AREA FLOWING TO FENCE MAY NOT EXCEED 1 ACRE.
- 2) SILT FENCES SHOULD NOT BE USED AT PIPE OUTLETS OR IN AREAS OF CONCENTRATED FLOW (CREEKS, DITCHLINES, SWALES ETC.)
- 3) SILT FENCE AND WIRE SHALL BE ATTACHED TO POSTS WITH WIRE HAVING A MINIMUM TENSIL STRENGTH OF 50 POUNDS.



FILTER FABRIC—ULTRAVIOLET STABILITY OF 70% RETAINED STRENGTH AFTER 500 HOURS OF EXPOSURE REQUIRED.

MAX. SEDIMENT STORAGE LEVEL. REMOVE SEDIMENT WHEN THIS LEVEL IS REACHED OR AS DIRECTED BY THE INSPECTOR.

TRENCH, COVER W/ SOIL & TAMP BACKFILL. SHEET DRAINAGE (ONLY)

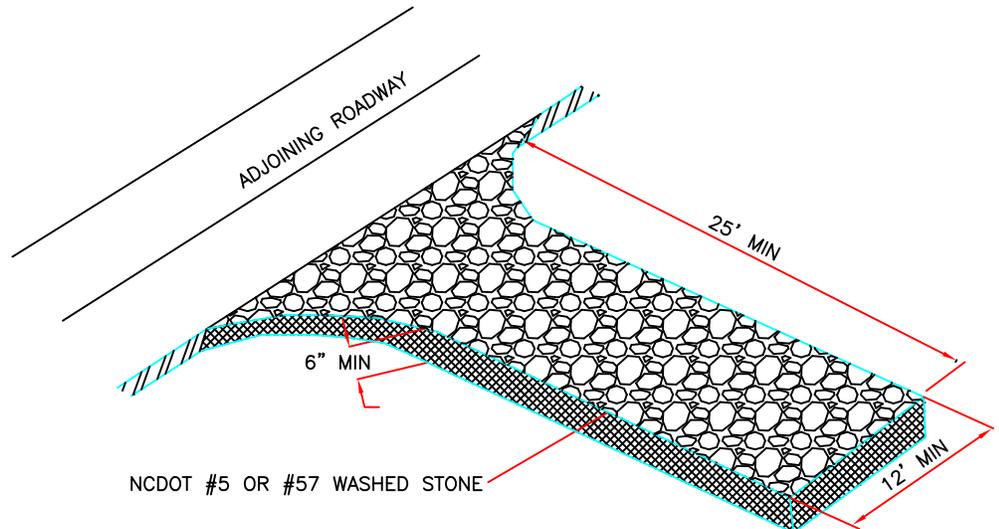
NATURAL GRADE
CARRY APPROX. 12" OF FABRIC INTO TRENCH. 8" DOWN AND 4" FORWARD ALONG TRNECH.
CARRY 8" OF WIRE INTO TRENCH.

METAL POSTS AT 8' O.C. MAX
POSTS SHALL BE 2' DEEP MIN.

SILT FENCE FOR SINGLE SITE CONSTRUCTION AREAS LESS THAN ONE ACRE

NOTES:

- a. NCDOT # 5 OR #57 WASHED STONE SHALL BE USED. PAD TO BE 25'L X 12"W X 6"D AT A MINIMUM.
- b. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.
- c. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
- d. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE SILL BE NECESSARY; KEEP SOME HANDY.
- e. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.



TEMPORARY SINGLE SITE CONSTRUCTION ENTRANCE/EXIT