Silt Fence Field Guide- City of Berea, KY

If you are reading this then that means that you have a project in the City of Berea that should have erosion prevention and sediment control on site. We will begin inspections of silt fences soon and this document is meant to serve as a general overlook as to what we will be looking for and cooperating with you on.

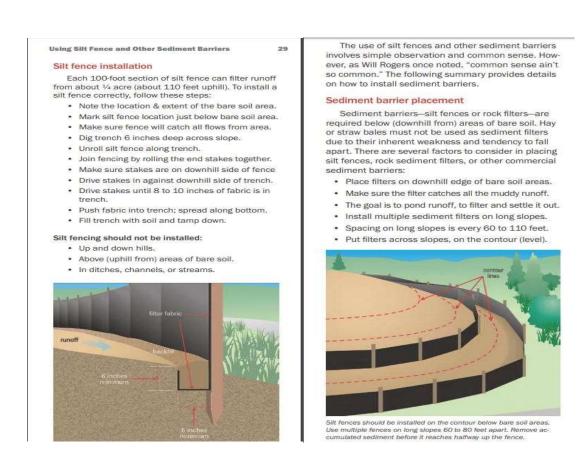
We reserve the right to inspect when:

- The job has begun
- Every two weeks after initial inspection
- After a rain event
- Whenever we see fit

Silt fences are used to help control sediment runoff from disturbed land and keep our stormwater clean. They act as a barrier but also let the water get through if installed correctly. These should remain as an effort until the project has finished and the disturbed land has been able to revegetate with permanent soil stabilization beginning.

Throughout this guide you will see general guidelines with imagery to help see what sorts of thing we will be on the lookout for. The main principle aspects are:

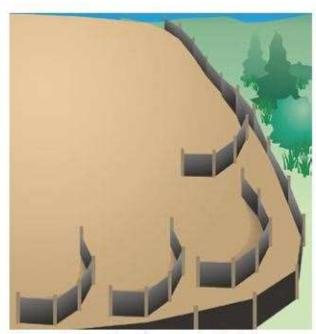
- Appropriate materials used to build the silt fence
- Adequate amount of fencing
- Proper placement of fencing



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The appropriate materials that we look for in a silt fence build are wooden or metal stakes and some form of silt fence fabric. The proper installation that we are looking for is that the fence is trenched in at least 6 inches and has the wooden stakes on the downhill side of the fence, with the fabric secured on the uphill side. You can add wire mesh or chain link material to the back if you believe the situation calls for that amount of reinforcement.





Silt fences don't have to be on the property line. Placing them on slopes with the ends turned up to trap sheet flow provides better performance. Stagger fence sections to ensure total coverage. Clean out before sediment reaches halfway up. Repair as needed, and remove when grass is well established.



Use J-hooks to trap and pond muddy runoff flowing along uphill side of silt fence. Turn ends of silt fence toward the uphill side to prevent bypassing. Use multiple J-hooks every 50 to 150 feet for heavier flows.

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What we look for in silt fence placement:

- the fence runs generally along the contours (instead of up and down slopes)
- fabric is fastened to the correct side of the stakes
- fabric stands up straight, with no heavy sags
- ends of silt fence are fastened together by rolling the fabric together and fastening to stakes in such a way that the fabric will hold fast when under strain, and not split apart in a "V"
- the bottom edge of fabric is held firmly in the ground (J hooks)
- the fence is reinforced where flow will be greater than the fence's ability to withstand the flow during heavy rain. Some options are: T posts, wire mesh, chain link, hay bales, or placing #2 or other crushed stone on either side of fence. This is just for sections taking a heavy beating
- silt fence is inspected by construction staff, and maintained when needed. Any weak sections that develop should be reworked in a way that the section will withstand the extra strain being placed on it during heavy rain

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