

Montgomery County SWPPP Permit

Individual Lot Application Instructions



Submittal process for individual lot applications, for disturbances under 1 acre, but are part of a larger development:

1. Submit to OEPA for individual lot NOI.
2. Complete and submit the Montgomery County Storm Water Pollution Prevention Plan (SWPPP) Permit, Individual Lot Application
3. Submit the OEPA individual lot NOI and the Individual Lot Application to the County Engineer's Office. PDF files should be sent to:

swppp@mcoho.org

Hard copy submittal should be sent to:

Montgomery County Engineer's Office
451 W. Third Street
Dayton, OH 45422

4. Approved application must be submitted to the Building Regulations with initial permitting.

Montgomery County SWPPP Permit

Individual Lot Application



Subdivision Name: _____ Section #: _____ Lot #: _____

Project Address: _____ Township: _____

Estimated Construction Start Date: _____ Existing NOI Coverage on Existing Development:

Owner: _____ Phone: _____ Email: _____

Owner Address: _____

Site Contact: _____ Phone: _____ Email: _____

I certify under penalty of law that this document and all attachments were prepared under my direct or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, include the possibility of fine and imprisonment for knowing violations.

Applicant Name: _____ Email: _____

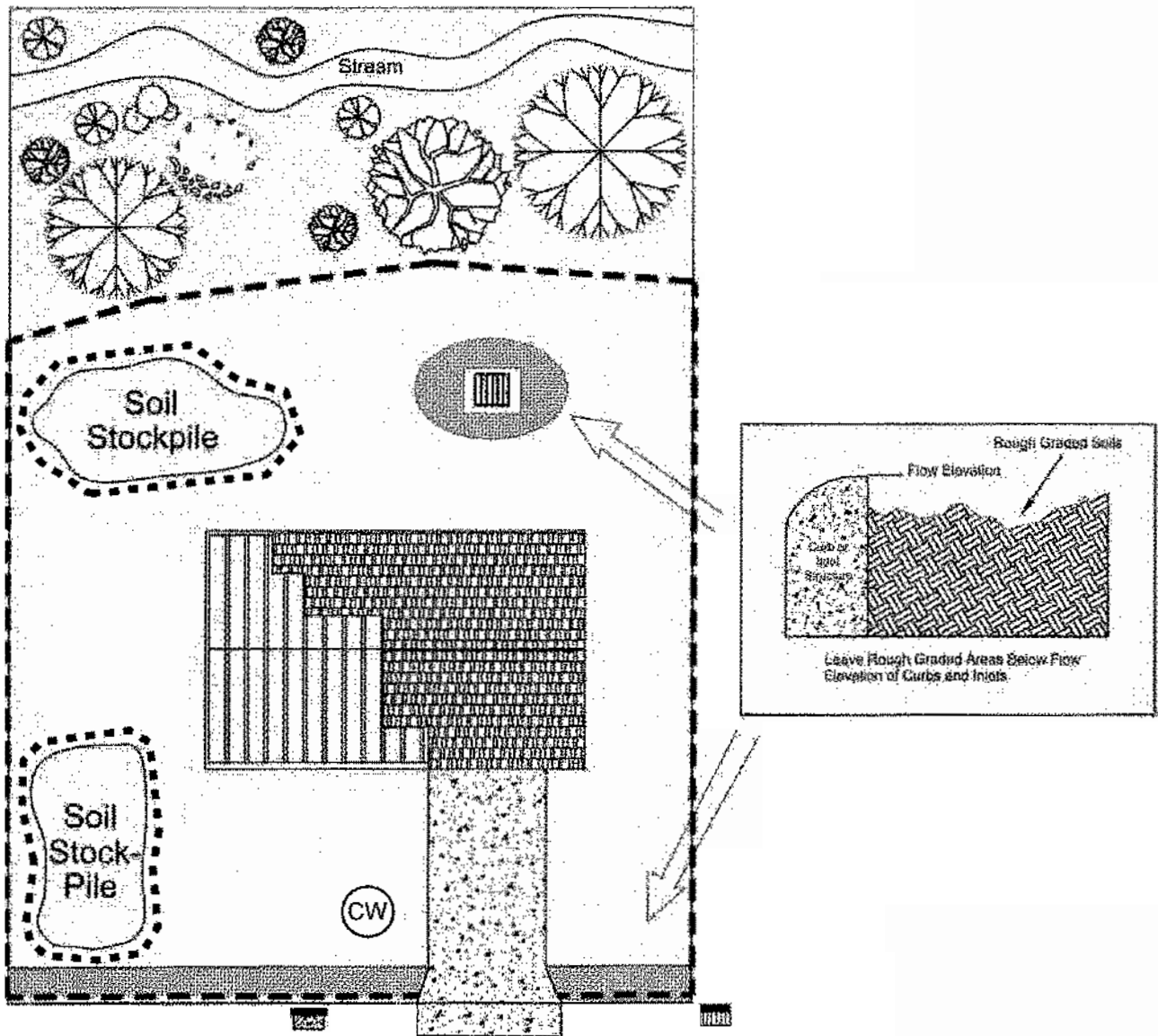
Applicant Signature: _____ Date: _____

Approved by: _____ Date: _____










Small Construction Site Controls

1. Erosion control measures shall be installed at the commencement of construction.
2. Pre-existing vegetation shall be retained on idle portions of the building lot for as long as construction operations allow. Clearing shall be done so only active working areas are bare.
3. Temporary seed and/or mulch shall be applied to areas, such as stockpiles and rough graded areas, that are bare and not actively being worked. This shall apply to areas that will not be reworked for 21 days or more.
4. Stockpiles created from basement excavations and grading shall be situated away from streets, swales, or other waterways and shall be seeded and/or mulched immediately.
5. Silt fence or other sediment barriers shall control sheet flow runoff from the building lot. These shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as sediment traps and inlet protection shall also be used as needed to control sediment runoff. Sediment control practices shall be inspected weekly after storm events, and maintained in good working condition.
6. Construction vehicle access shall be limited to one route, to the greatest extent practical. The access shall be gravel or crushed rock underlain with an optional geotextile.
7. Mud tracked onto streets or sediment settled around curb inlet protection shall be removed daily or as needed to prevent it from accumulating. It shall be removed by shoveling and scraping and shall NOT be washed off paved surfaces or into storm drains. Sediment removed shall be placed where it will not be subject to erosion or concentrated runoff.
8. Concrete washout must be provided. If developer has multiple sites, a common washout may be used.

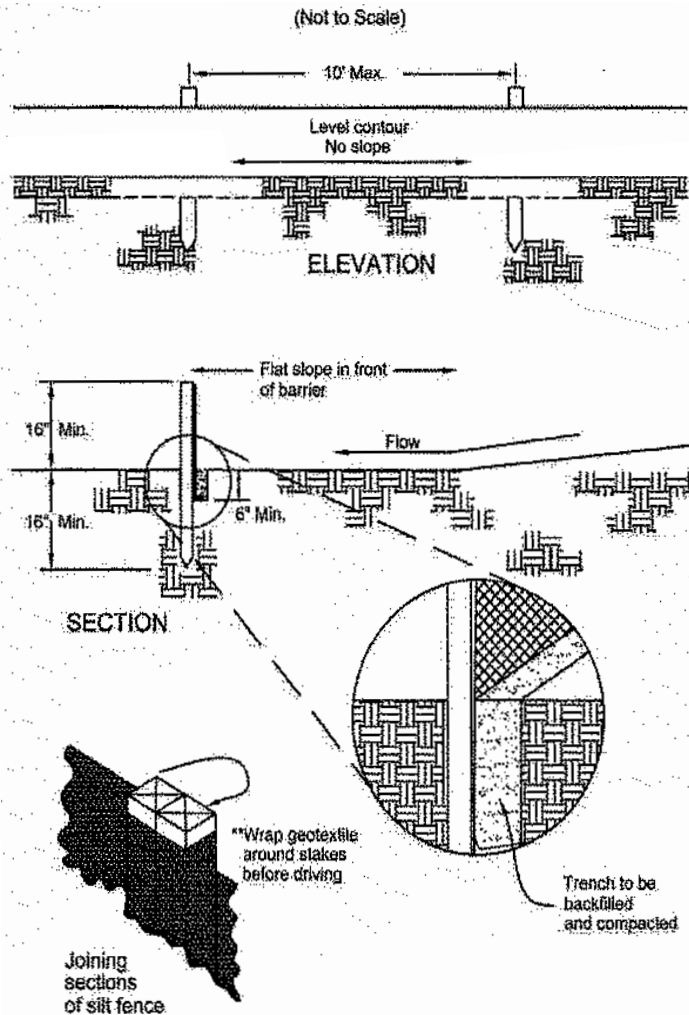
Small Construction Site Controls



PLAN VIEW

-  Temporary seeding and/or mulch applied to rough graded areas
-  Construction Entrance gravel
-  Rough grade areas to allow settling below grade elevation
-  Storm Drain with inlet protection
-  Storm Drain without inlet protection
-  Yard Drain with inlet protection
-  Silt Fence
-  Curb
-  Concrete Washout

Silt Fence



1. Silt fence shall be constructed before upslope land disturbance begins.
 2. All silt fence shall be placed as close to the contour as possible so that water will not concentrate at low points in the fence and so that small swales or depressions that may carry small concentrated flows to the silt fence are dissipated along its length.
 3. Ends of the silt fences shall be brought upslope slightly so that water ponded by the silt fence will be prevented from flowing around the ends.
 4. Silt fence shall be placed on the flattest area available.
 5. Where possible, vegetation shall be preserved for 5 feet (or as much as possible) upslope from the silt fence, if vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.
 6. The height of the silt fence shall be a minimum of 16 inches above the original ground surface.
 7. The silt fence shall be placed in an excavated or sliced trench cut a minimum of 6 inches deep. The trench shall be made with a trencher, cable laying machine, slicing machine, or other suitable device that will ensure an adequately uniform trench depth.
 8. The silt fence shall be placed with the stakes on the downslope side of the geotextile. A minimum of 8 inches of geotextile must be below the ground surface. Excess material shall lay on the bottom of the 6-inch deep trench. The trench shall be backfilled and compacted on both sides of the fabric.
 9. Seams between sections of silt fence shall be spliced together only at a support post with a minimum 6-in. overlap prior to driving into the ground, (see details).
 10. Maintenance—Silt fence shall allow runoff to pass only as diffuse flow through the geotextile. If runoff over tops the silt fence, flows under the fabric or around the fence ends, or in any other way allows a concentrated flow discharge, one of the following shall be performed, as appropriate: 1) the layout of the silt fence shall be changed, 2) accumulated sediment shall be removed, or 3) other practices shall be installed.
- Sediment deposits shall be routinely removed when the deposit reaches approximately one-half of the height of the silt fence.
- Silt fences shall be inspected after each rainfall and at least daily during a prolonged rainfall. The location of existing silt fence shall be reviewed daily to ensure its proper location and effectiveness. If damaged, the silt fence shall be repaired immediately.

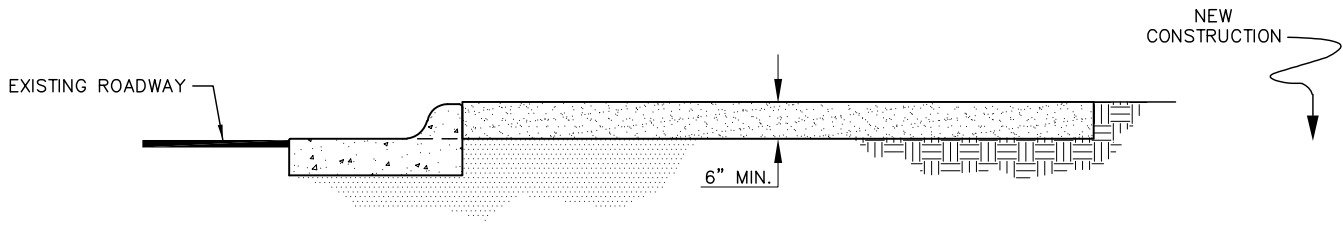
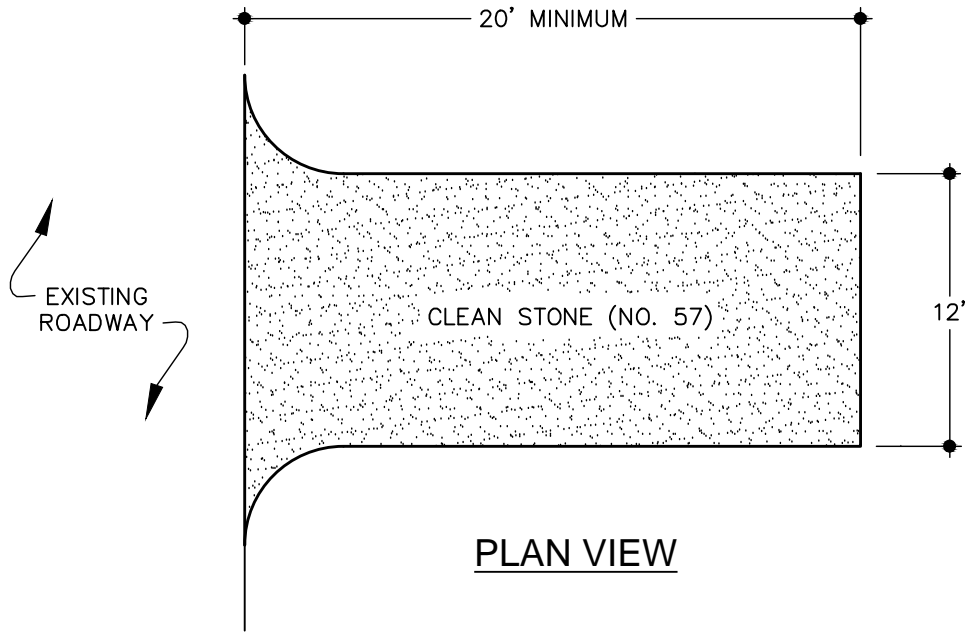
Table 6.3.2 Minimum criteria for Silt Fence Fabric (ODOT, 2002)

FABRIC PROPERTIES	VALUES	TEST METHOD
Minimum Tensile Strength	120 lbs. (535 N)	ASTM D 4632
Maximum Elongation at 60 lbs	50%	ASTM D 4632
Minimum Puncture Strength	50 lbs (220 N)	ASTM D 4833
Minimum Tear Strength	40 lbs (180 N)	ASTM D 4533
Apparent Opening Size	≤ 0.84 mm	ASTM D 4751
Minimum Permittivity	1X10 ⁻² sec. ⁻¹	ASTM D 4491
UV Exposure Strength Retention	70%	ASTM G 4355

Criteria for silt fence materials

1. Fence post-The length shall be a minimum of 32 inches. Wood posts will be 2-by-2-in. nominal dimensioned hardwood of sound quality. They shall be free of knots, splits and other visible imperfections, that will weaken the posts. The maximum spacing between posts shall be 10 ft. Posts shall be driven a minimum 16 inches into the ground, where possible. If not possible, the posts shall be adequately secured to prevent overturning of the fence due to sediment/water loading.
2. Silt fence fabric - See Table 6.3.2

Construction Entrance



CROSS SECTION

NOTES:

- 1) THIS ENTRANCE APPLIES ONLY TO ENTRANCES OF INDIVIDUAL SINGLE FAMILY RESIDENTIAL UNITS.
- 2) FABRIC MAY BE ADDED UNDER THE STONE WHICH WOULD ADD TOTAL LIFE TO THE CONSTRUCTION ENTRANCE.