

Any sediment-laden groundwater encountered during construction shall be treated prior to discharge.

A stone access drive complete with under lying geo-textile fabric for ingress and egress at the site shall be installed if there is not already an existing access drive. This drive shall be the only entrance and exit to the site.

All silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street. On sites where a perimeter of temporary seeding (or pre-existing vegetation) cannot be maintained due to limited space, a complete perimeter of silt fence shall be established.

Disturbed areas of the site that are to remain idle for more than twenty one (21) days shall be properly seeded and straw mulched within seven (7) days of completion of initial grading. Temporary seeding and mulching of a thirty (30) foot strip of the entire front of the lot shall be maintained on the site once initial grading is complete.

Stabilization of critical areas within fifty (50) feet of any stream or wetland shall be complete within two (2) days of the disturbance. If the site is to remain inactive for longer than fourteen (14) days.

Following completion of the construction activities, and the contractor leaving the site, the site soils must be fully stabilized by temporary seeding and/or mulching (or other acceptable process).

Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty (30) feet (or 1 bale/300 sqft.) of the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed slit fence.

Erosion and sediment controls shall be inspected every seven (7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at this time.

All erosion and sediment control specifications, applications, and timetables are based on the descriptions and standards of The Ohio Department of Natural Resources Rainwater and Land Development Manual.

The specified erosion and sediment control standards are the general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to waive, in writing, individual requirements.

inlet protection shall be constructed before the storm drain becomes operational. The earth around the inlet shall be excavated completely to a depth of at least 18 inches. The 2 by 4 inch frame shall be driven 1 foot into the ground and the top portion of the 2 by 4 inch frame assembled using the overlap joint shown (see diagram to right). The top of the frame shall be 6 inches below grade of adjacent road if ponded water would pose a safety hazard to traffic. Geotextile shall have an equivalent opening size of 20-40 inches below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.

CHAPTER 6 Sediment Controls 19

Note: other approved seed species may be substituted.

Straw much shall be unrotted small-grain straw baled at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The much shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread much, divide area into approximately 1,000 sq. ft. sections and spread two 45-lb. bales of straw in each section.

CHAPTER 7 Soil Stabilization 19

13. Removal—the entrance shall remain in place until the disturbed area is stabilized or replaced with a permanent roadway or embankment.

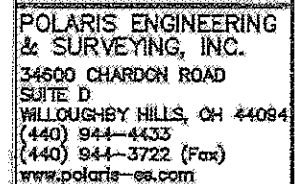
CHAPTER 6. Substitution Experiments 7

1. Silt fence shall be constructed before upstate land disturbance begins.
2. An silt fence shall be placed as close to the contour as possible so that water will not concentrate along points or lines and so that soil erosion or deposition that may carry small concentrated flows in the silt fence and discharges away its length.
3. Ends of the silt fences shall be brought upstate slightly so that water passing by the silt fence will be prevented from flowing under the end.
4. Silt fence shall be placed on the fastest area available.
5. Where possible, vegetation shall be preserved for 6 feet (or as soon as possible) outside 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 piled trench of a minimum of 4 inches deep. The trench shall be made either a trenching cable laying machine, slicing ropeless, or other suitable device that will ensure an adequate uniform trench depth.
8. The silt fence shall be placed with the stakes on the downstate side of the geotextile. A minimum of 3 inches of geotextile must be below the original surface. Excess material shall lay on the ground of the 0-4 inch deep trench.
9. The silt fence shall be backfilled and compacted on both sides of the silt fence.
10. Seams between periods of silt fence shall be spliced together on top, support post with a minimum 8" overlap prior to driving into the ground. (see detail).
11. Maintenance - Silt fence shall show runoff to pass on to the downstate side of the geotextile. Runoff over top the silt fence, flows under the silt fence or around the fence ends, or in any other way causes 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, 3) other practices shall be instituted.
12. Sediment deposits shall be regularly removed when the deposit reaches approximately one-half of the height of the silt fence.
13. 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 replaced immediately.

Criteria for silt fence removal:

1. Fence post - The length shall be a minimum of 32 inch Wood posts will be 2- by 2-4, chemical treated, double hardness of uniform quality. They shall be free of knots splits and other visible imperfections that will weaken the posts. The maximum spacing between posts shall 10 ft. Posts shall be driven a minimum 16 inches into ground, where possible. If not possible, the posts shall be secured to prevent overturning of two types of soil surface erosion.

FAVOR PROPERTIES	VALUES	TEST METHOD
Maximum Tensile Strength	120 lbs. (53 N)	ASTM D 4632
Maximum Elongation at 60 lbs.	50%	ASTM D 4632
Minimum Puncture Strength	50 lbs (222 N)	ASTM D 4633
Minimum Tear Strength	40 lbs (180 N)	ASTM D 4523
Adjusted Opening Size	5.0-6.1 mm	ASTM D 4751
Minimum Permeability	1X10 ⁻² sec.-1	ASTM D 4751
UV Exposure Strength Retention	72%	ASTM G 49-95



DATE: 10/31/13

SCALE: HOR. $1''=30'$
VERT. none

FILENAME: Unit 12 Site Plan

SITE PLAN FOR:

UNIT 12
10153 COLTON AVE.
ARIA'S WAY
PHASE 4

CONCORD TOWNSHIP - LAKE COUNTY - OHIO

OWNER:

RYAN HOMES
6770 W. SNOWVILLE ROAD
SUITE 100
BRECKSVILLE, OHIO 44147

PHONE: (440) 584-4221

CONTACT:
MARK FAIR

CONTRACT No.

12032

SHEET	OF
2	2