

**POST-CONSTRUCTION SOIL DEPTH & QUALITY TREATMENT NOTES**

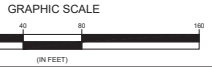
- POST-CONSTRUCTION SOIL DEPTH AND QUALITY TREATMENT SHALL CONFORM TO SECTION 3 OF THE 2017 VERMONT STORMWATER MANAGEMENT MANUAL, RULE AND DESIGN GUIDANCE. AT A MINIMUM, ALL AREAS IDENTIFIED ON THIS PLAN ARE SUBJECT TO THESE RULES AND THE OUTLINED TREATMENT AS INDICATED BELOW. ANY ADDITIONAL AREAS THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES, INCLUDING THE COMPACTION OF SOIL DUE TO THE TRACKING OF HEAVY EQUIPMENT, ARE ALSO SUBJECT TO THE STANDARDS.
- TOPSOIL SHALL CONTAIN A MINIMUM OF 4% DRY WEIGHT ORGANIC MATTER, AND SHALL BE PLACED A MINIMUM OF 4" OF DEPTH AS INDICATED ON THE PLANS.
- THE COMPOST USED TO MEET ORGANIC REQUIREMENTS SHALL CONSIST OF THE FOLLOWING:
  - A CARBON TO NITROGEN RATIO BELOW 25:1.
  - COMPOST SHALL MEET THE DEFINITION OF "COMPOST" IN THE AGENCY'S SOLID WASTE MANAGEMENT RULES OR THE CONTAINMENT STANDARDS IN THE VERMONT SOLID WASTE MANAGEMENT RULES §6-106(a)(5)-(7), §6-110(a)(1)-(3), AND §6-110(b)(1)-(7)(b).
  - A MAXIMUM OF 35% OF THE TOTAL SOIL VOLUME MAY CONTAIN EXCEPTIONAL QUALITY BIOSOLIDS AMENDMENTS, AND SHALL BE WELL MIXED.
- THE SOIL QUALITY REQUIREMENTS SHALL BE MET BY USING THE FOLLOWING METHODS:
  - INSTALL SILT FENCE OR CONSTRUCTION FENCE ALONG THE LIMITS OF CONSTRUCTION DISTURBANCE TO PROTECT NATIVE SOILS AND VEGETATION FROM COMPACTION DURING CONSTRUCTION.
  - OR
  - STOCKPILE SOIL ON SITE IN A DESIGNATED CONTROLLED AREA, AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS.
  - SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES, EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.
  - AMEND TOPSOIL, IF NEEDED, TO MEET THE ORGANIC CONTENT REQUIREMENTS:
    - PRE-APPROVED RATE: COMPOST SHALL BE INCORPORATED WITH AN ORGANIC MATTER CONTENT BETWEEN 40 AND 65% INTO THE TOPSOIL AT A RATIO 1:3, OR
    - CALCULATED RATE: INCORPORATE COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AT A CALCULATED RATE TO ACHIEVE 4 INCHES OF SETTLED SOIL AT 4% ORGANIC CONTENT.
  - REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING.
  - RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER, AND WATER OR ROLL TO COMPACT SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.
- SOIL DEPTH SHALL BE ESTABLISHED AT THE END OF CONSTRUCTION AND ALL AREAS IDENTIFIED SHALL BE PROTECTED FROM COMPACTION.
- TEST HOLES SHALL BE PERFORMED BY THE CONTRACTOR BY USING A SHOVEL DRIVEN SOLELY BY THE CONTRACTORS WEIGHT. THE TEST HOLES SHALL BE 6" IN DEPTH AND USED BY THE CONTRACTOR FOR SELF VERIFICATION THAT ALL REQUIREMENTS OF THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY PLAN HAVE BEEN MET.
- TEST HOLES SHALL BE PERFORMED IN LOCATIONS NOTED ON THE SITE PLAN OR AS SELECTED BY THE CONTRACTOR. TEST HOLES SHALL BE SPACED AT A MINIMUM OF 50' APART. THE CONTRACTOR SHALL PROVIDE NINE (9) TEST HOLES PER ACRE OF IDENTIFIED AREA SUBJECT TO THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY TREATMENT. A MINIMUM OF 35 TEST HOLES ARE REQUIRED WITH THIS APPLICATION.
- A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER ALL TURF AREAS. SEE LANDSCAPING PLAN FOR ADDITIONAL NOTES, PLANTING SCHEDULE AND SEEDING SPECIFICATIONS.

**SIMPLE DISCONNECT NOTES**

- THE UNDERLYING SOILS OF THE DISCONNECT AREA IS REQUIRED TO MEET THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY STANDARD (ABOVE).
- THE DISCONNECT AREA IDENTIFIED ON THIS PLAN SHALL NOT BE DEVELOPED ON, DISTURBED, OR CLEARED, EXCEPT FOR MOWING AND VEGETATION MAINTENANCE.
- GRADING UPSTREAM OF THE IDENTIFIED DISCONNECT AREAS SHALL BE SUCH THAT RUNOFF IS CONVEYED AS SHEET FLOW ACROSS THE ENTIRE DISCONNECT AREA.
- THE CONTRACTOR SHALL ENSURE A DENSE VEGETATIVE COVER (90% MINIMUM COVERAGE) ACROSS THE ENTIRE DISCONNECT AREA.
- RUNOFF CONVEYED BY DOWNSPOUTS SHALL BE DIRECTED ONTO SPLASH PADS AND BE AT MINIMUM 10' AWAY FROM NEAREST DOWN GRADIENT IMPERVIOUS SURFACE.

**PCSDO LEGEND**

- AREAS OF POST-CONSTRUCTION SOIL DEPTH AND QUALITY TREATMENT  
TOTAL AREA = 3.84 ACRES  
(SEE NOTES FOR SPECIFICATIONS)
- AREAS NOT REQUIRED TO MEET THE POST-CONSTRUCTION SOIL DEPTH AND QUALITY TREATMENT
- AREAS OF SIMPLE DISCONNECTION  
(SEE NOTES FOR SPECIFICATIONS)



Date	Revision	By
March-Concept	Aut 250	Revision
Preliminary	Construction	Record Drawing
Final		



LANDS OF  
**HINESBURG CENTER, LLC**  
VT Route 116 Hinesburg, VT  
**POST-CONSTRUCTION SOIL DEPTH AND QUALITY PLAN**

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