

## LAWN PLANTING DETAIL

NOT TO SCALE

Following rough site grading, installation of utilities and infrastructure, and prior to planting of vegetative cover, Contractor shall restore soil quality to disturbed soils that will not be covered by impervious surfaces, incorporated into structural stormwater treatment practices, athletic fields, or engineered structural fill using one of the following methods. Contractor shall provide notice to Engineer/Owner prior to construction of selected method.

Option 1: Amend existing site topsoil or subsoil in place.

- Scarify or till subsoils to 4 inches of depth or to depth needed to achieve a total depth of 8 inches of uncompacted soil after calculated amount of amendment is added. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification.
- Amend soil to meet organic content requirements:
  - PRE-APPROVED RATE: Place 1 inch of composted material with an organic matter content between 40% and 65% and rototill into 3 inches of soil, or
  - CALCULATED RATE: Place calculated amount of composted material or approved organic material and rototill into a depth of soil needed to achieve 4 inches of settled soil at 45% organic content.
- Rake beds to smooth and remove surface rocks larger than 2 inches in diameter.
- Water or roll to compact soil in turf areas to 85% of maximum dry density.

Option 2: Remove and stockpile existing topsoil during grading.

- 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.
- Stockpiled topsoil shall also be amended, if needed, to meet the organic content requirement.
  - PRE-APPROVED RATE: Compost shall be incorporated with an organic matter content between 40% and 65% into the topsoil at a ratio of 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 to level, and remove surface rocks larger than 2 inches in diameter.

Option 3: Import topsoil mix, or other materials for mixing, including compost, of sufficient organic content and depth.

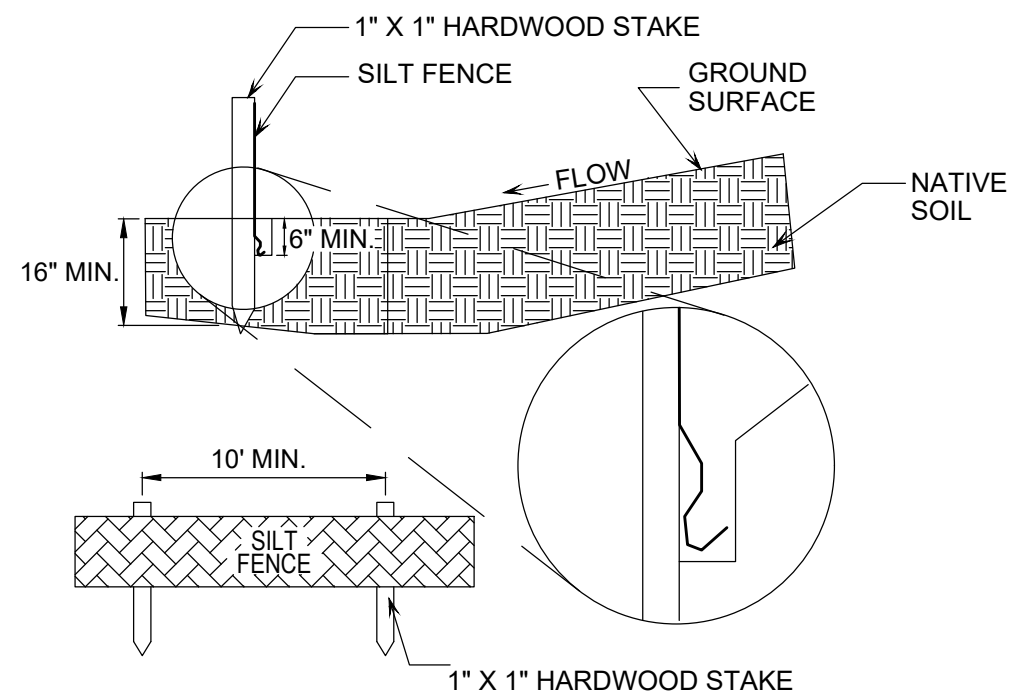
- Scarify or till subgrade to a depth of 4 inches. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification.
- Place 4 inches of imported topsoil mix on surface. The imported topsoil mix shall contain 4% organic matter. Soils used in the mix shall be sand or sandy loam as defined by the United States Department of Agriculture (USDA) Soil Classification System.
- Rake beds to smooth and remove surface rocks larger than 2 inches in diameter.
- Water or roll to compact soil in turf areas to 85% of maximum dry density.

Once soil quality has been restored in accordance with the practices outlined above, and prior to planting, the Contractor shall perform field density testing of restored soil quality. Testing shall be in the locations shown on the plans or as approved by the Engineer. A minimum of nine test holes per acre shall be dug. Testing shall be performed using spade shovel driven using solely by the weight of the inspector. Contractor shall prepare reporting form that includes the following information:

- Date/time of test.
- Persons performing and witnessing testing.
- Location of test.
- Observations shall note: ease of driving spade (difficult, moderate, easy), verification of soil amendments, note of material thicknesses, texture and other notable soil features.

Test that indicate difficulty in driving a spade, lack of soil amendments, and textures not consistent with restoration practice options noted above shall have an additional test performed within 50 feet of the test showing "poor" results. If three consecutive tests showing poor results are obtained, the area shall be subject to rework in accordance with restoration practices noted and subsequently retested.

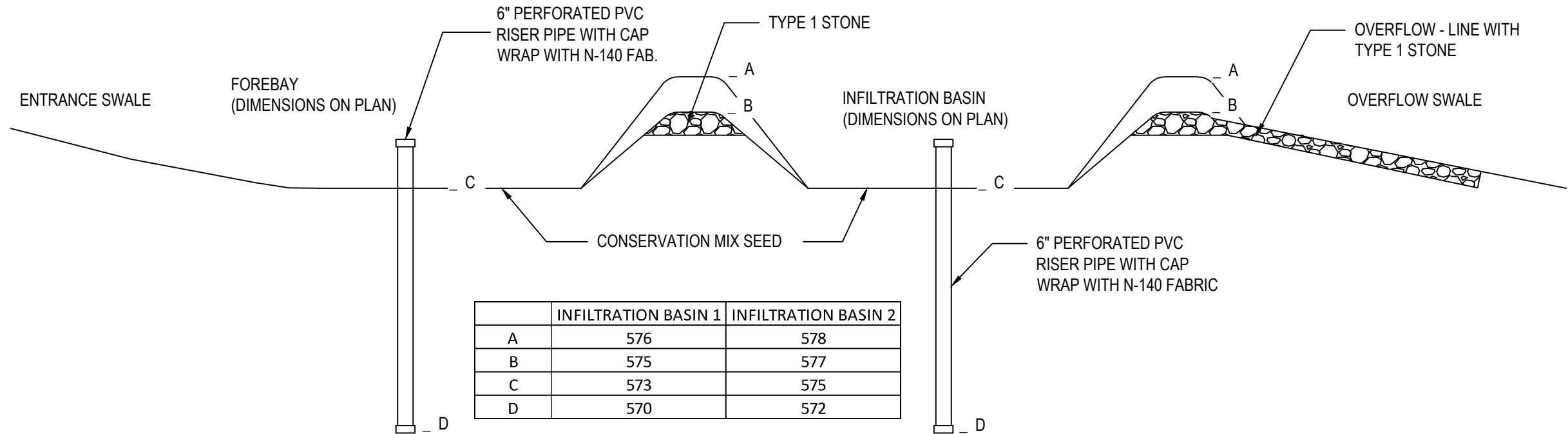
On completion of successful testing, surfaces shall be planted with seed and stabilized in accordance with technical specifications.



- NOTES:
- SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
  - SILT FENCE SHALL BE PLACED AS PARALLEL TO GROUND CONTOUR AS POSSIBLE.
  - SILT FENCE SHALL BE AT LEAST 16-INCHES ABOVE GROUND SURFACE.
  - SILT FENCE SHALL BE PLACED IN A TRENCH THAT IS A MINIMUM OF 6-INCHES DEEP.
  - HARDWOOD STAKES SHALL BE ON THE DOWNSLOPE SIDE.
  - SEAMS BETWEEN THE SILT FENCE SECTIONS SHALL OVERLAP.

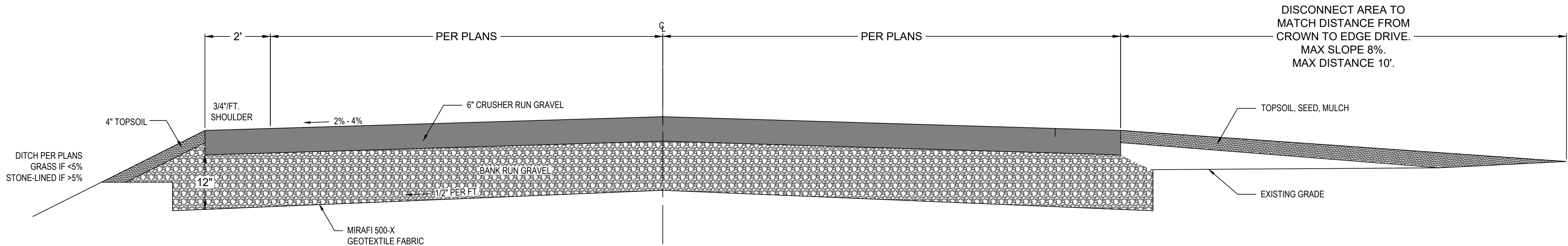
## SILT FENCE DETAIL

NOT TO SCALE



## STORMWATER INFILTRATION DETAIL

NOT TO SCALE

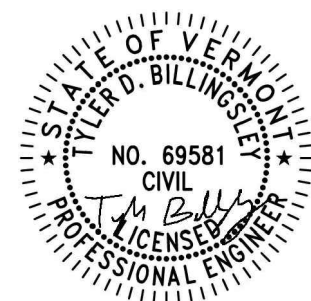


## ROAD/DRIVE DETAIL

NOT TO SCALE

OWNER:  
Huntington Homes, Inc.  
SPAN # 519-163-10909  
PARCEL ID # KR0952.

SIGNATURE:



TYLER BILLINGSLEY  
PE # 69581

|  |  |   |  |                                |  |
|--|--|---|--|--------------------------------|--|
| DATE   |  | DESCRIPTION   |  | BY                             |  |
|  |  | REVISIONS   |  |                                |  |
| <div><div><div><div><div><div><span></span></div><div><b>EAST</b></div><div>ENGINEERING</div><div>CIVIL INFRASTRUCTURE</div></div></div><div><div>HINESBURG, VERMONT 05461</div><div>(802) 989-6686</div><div>WWW.EASTENGINEERINGPLC.COM</div></div></div></div></div> |  |   |  | PROJECT NO.<br>014-06          |  |
|  |  | SYLVAN RIDGE PHASE-II<br>NINE-LOT SUBDIVISION AND<br>BOUNDARY LINE ADJUSTMENT         |  | DATE:<br>03-10-2021            |  |
|  |  | <b>HUNTINGTON HOMES, INC.</b>   |  | SCALE:<br>NTS                  |  |
|  |  | 952 KENYON ROAD, RICHMOND, VERMONT  |  | SURVEY:<br>DW,OL,RG            |  |
|  |  | <b>STORMWATER DETAILS</b>   |  | DRAWN:<br>SB, TB               |  |
|  |  | THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR<br>THE PURPOSE SHOWN BELOW: |  | CHECKED:<br>TB                 |  |
| <input type="checkbox"/> PRELIMINARY DRAFT   |  | <input checked="" type="checkbox"/> FINAL STATE REVIEW                                |  | DRAWING NO.<br><br><b>SW-3</b> |  |
|  |  |   |  | SHEET 3 OF 3                   |  |

SHEET 3 OF 3