**COMPUTATION LAYER**

**AND/OR DRAINAGE LAYER**

**STRATAMEMBRANE**

**OR FilterGrid**

**HEAVY GRADE NON-WOVEN FILTER FABRIC**

**WITH REINFORCING GRID**

**TO TOP SURFACE**

**OF RootSpace MATRIX, AND FOLDED TO LINE OUTER EDGE**

**OF MATRIX TO DEPTH**

**OF 12 inches OR GREATER.**

**RootSpace STRUCTURAL MODULES**

**PAVING SURFACE**

**35"**

**RS1200 RootStop BARRIER LAID**

**ON OUTER WALLS OF PIT.**

**RootSpace STRUCTURAL MODULES**

**591"**

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**DISCLAIMER**

Approved:  
Checked:  
Date:  
Designed:  
Revision:  
Scale:  
Drawing No.:  
Title:  
Rev.:  
No.:  

All foundation details to be verified by a qualified engineer. The manufacturer disclaims liability resulting from any loss or damage incurred from their products, or their installation method, either direct or consequential.

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**STORM WATER DETAIL PLANS**

**INFILTRATION TRENCH 144cu ft**

**COMPONENT LIST**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>RootSpace STRUCTURAL SOIL CELL/AIR DECK</td>
<td></td>
</tr>
<tr>
<td>FG3030 FilterGrid BI-AXIAL FILTER LAYER</td>
<td></td>
</tr>
<tr>
<td>RRCIV1 RootRain CIVIC SINGLE INLET</td>
<td></td>
</tr>
<tr>
<td>RER300 ReRoot LINEAR RIBBED R/BARRIER</td>
<td></td>
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<tr>
<td>RS1200 RootStop BARRIER</td>
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<tr>
<td>RS1200 RootStop BARRIER 105’</td>
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<tr>
<td>RS1200 RootStop BARRIER 35’</td>
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<tr>
<td>RS1200 RootStop BARRIER 4’</td>
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<tr>
<td>RS1200 RootStop BARRIER</td>
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<tr>
<td>RS1200 RootStop BARRIER 97yd²</td>
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<tr>
<td>RS1200 RootStop BARRIER 1084/252</td>
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</tbody>
</table>

**SOIL VOLUME GUIDE:**

APPROX 144ft³/ft OF SOIL (±5%), DEPENDING ON SOIL TYPE AND EXCAVATION VARIATIONS

**INSTALLATION/EXCAVATION TIPS**

1. ADD 5% TO OUTER PLAN DIMENSIONS WHEN EXCAVATING PIT.
2. ALWAYS CHECK PIT DIMENSIONS AT BASE OF PIT, ENSURING SIDES ARE CLEAN AND SQUARE
3. LEVEL AND SCREED DRAINAGE LAYER PRIOR TO PLACEMENT OF CELLS

**NOTE:** ENSURE THE PIT BASE IS SCREEDED, LEVELLED AND COMPACTED PROPERLY BEFORE PLACING CELLS ON BASE, TO ALLOW FOR EASE OF INSTALLATION OF OVERALL MATERIAL.

**NOTE:** ADEQUATE DRAINAGE FROM BASE OF TREE PIT TO BE PROVIDED IF DESIGN INCORPORATES WSUD PRINCIPLES, OR IF SITE CONDITIONS REQUIRE.

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**STORM WATER INFILTRATION TRENCH 144cu ft**

**DETAIL PLANS**