### Equipment Restrictions During Chambermaxx Installation

<table>
<thead>
<tr>
<th>Backfill Level (See Typ. Section View on Sheet 1)</th>
<th>Allowable Construction Equipment*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Bedding</td>
<td>No restrictions.</td>
</tr>
<tr>
<td>4. Backfill to Top of Chambers</td>
<td>No equipment is permitted on or nearby the chambers, conveyors or excavators located such that their loads do not influence the chambers. Should be used to place the backfill stone. Stone should be worked between the chambers by hand.</td>
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<tr>
<td>4. Backfill Over the Top of the Chambers</td>
<td>No wheel loads should be applied over the system. Stone has been placed over the crown of the chambers. Lightwight tracked dozers with a maximum ground pressure of 1,000 psi are permitted over the structure. Dozers must spread stone working in a direction parallel with the chambers rows not working across the chamber rows. Also, only small, walk behind compaction equipment can be used over the chambers until a minimum of 12” [300] of cover is over the chambers. Once 16” [400] of compacted material is over the chambers, highway vehicles with axle loads of 32,000 pounds or less can be operated over the structures. Front end loaders can be operated over the structures as long as the maximum wheel load does not exceed 16,000 pounds. Compaction equipment can be operated over the structures as long as the dynamic force from the drum does not exceed 20,000 pounds and the gross vehicle weight does not exceed 12,000 pounds.</td>
</tr>
</tbody>
</table>

*Ask your Contech representative if you have questions about the use of specific pieces of construction equipment.*

### Notes

1. 300,000 sq. ft. of stabilized cover materials over the chambers is required for full drum truck travel and dumping.
2. During paving operations, drum truck axle loads on 18” (450) mm of cover may be necessary, precautions should be taken to avoid rutting of the road base layer, to ensure that compaction requirements have been met, and that a minimum of 18” (450) mm of cover exists over the chambers. Contact Contech for additional guidance on allowable axle loads during paving.
3. Hauling materials [e.g. 13,000] can be used with at least 12” [300] mm of stone over the chambers.
4. Storage of materials such as construction materials, equipment, spoils, etc., should not be located over the Chambermaxx system. Please contact Contech for more information.
5. Allowable track loads based on vehicle travel only. Excavators shall not operate on chamber beds until the total backfill reaches 3 feet [900mm] over the entire bed.

### Typical Backfill Sequence

**Emanation**

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**Chambermaxx Stormwater Retention System Standard Installation Detail**

**Contech Engineering Services**

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