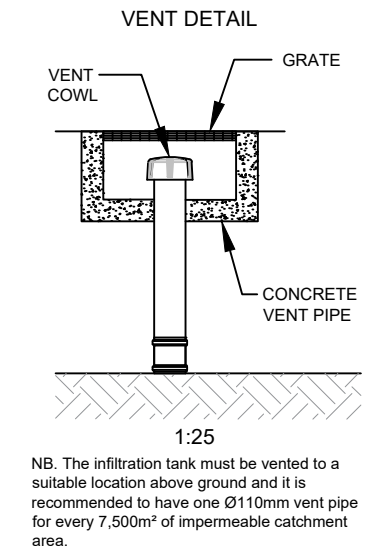
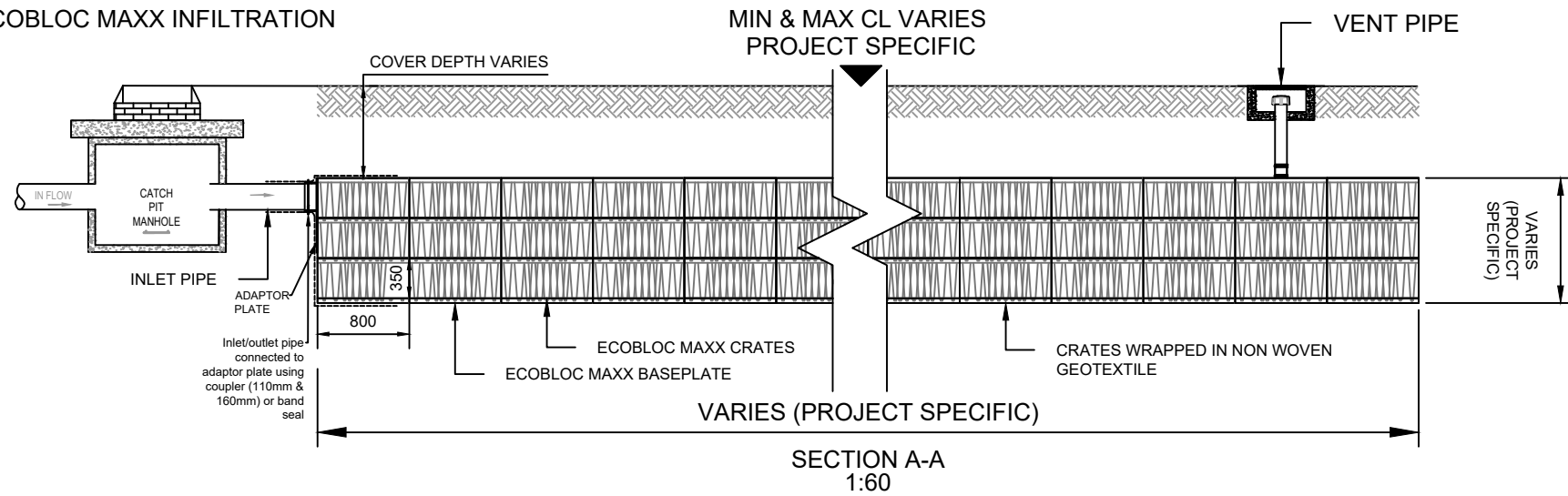


**ECOBLOC MAXX INFILTRATION**



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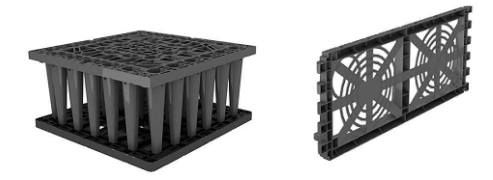
**DO NOT SCALE - IF IN DOUBT ASK**

Notice: This drawing is issued only as a guideline and is an estimate of the materials required to construct the drainage system, it should not be used for construction purposes.

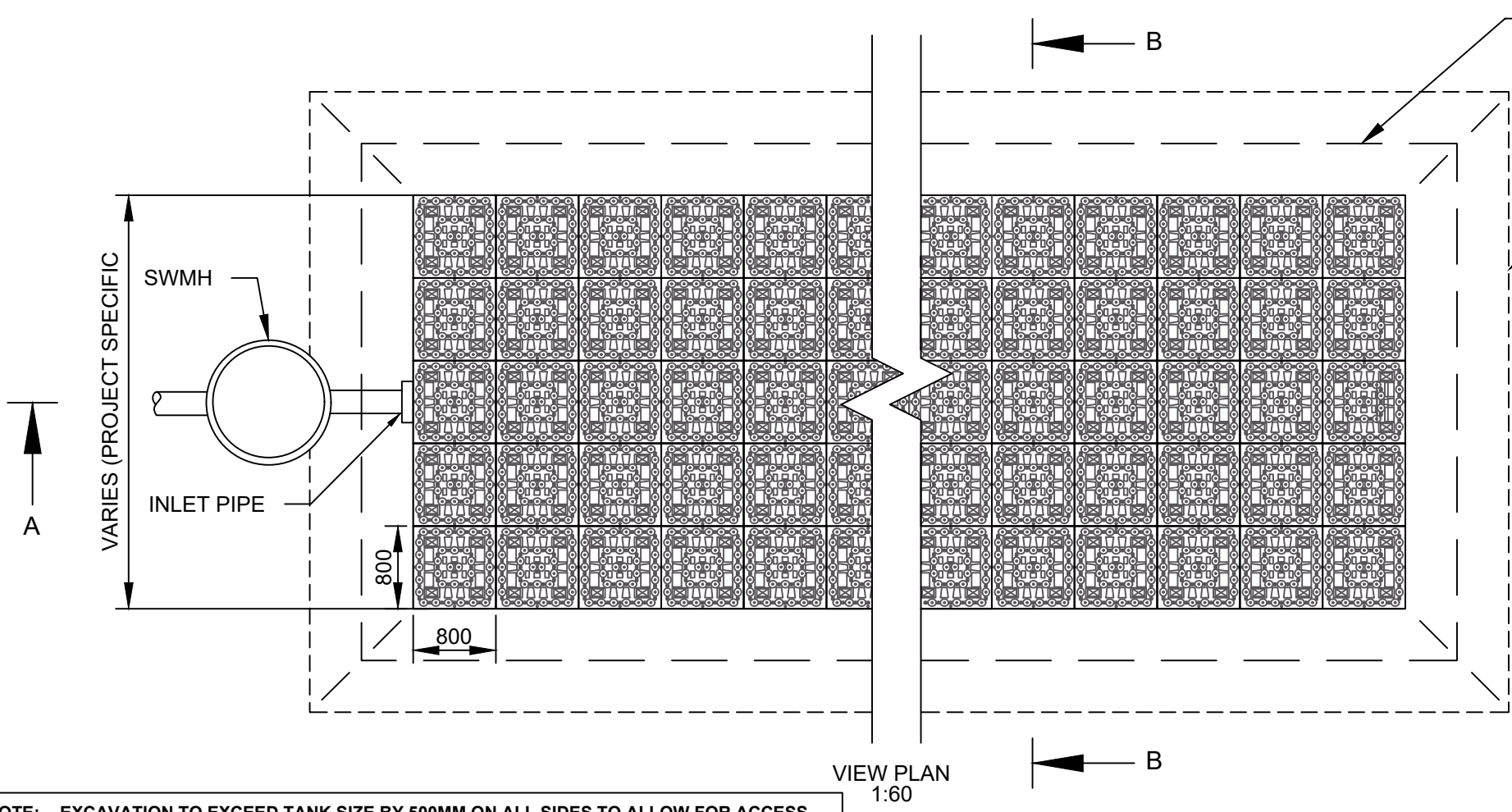
Graf Ireland Ltd makes no warranty or guarantee in relation to the suitability of any of the layout details shown on this drawing in relation to a particular scheme.

- NOTES:-
- All dimensions in mm, unless otherwise stated.
  - All dimensions are nominal and may vary within manufacturing tolerances.
  - All site temporary enabling works by others.
  - Graf products to be installed in strict accordance with Graf recommendations.
  - This drawing is intended for guidance only. Confirmation of the suitability for a particular project should be sought from the consulting engineers prior to final design or commencement of any construction works.

**ECOBLOC MAXX**



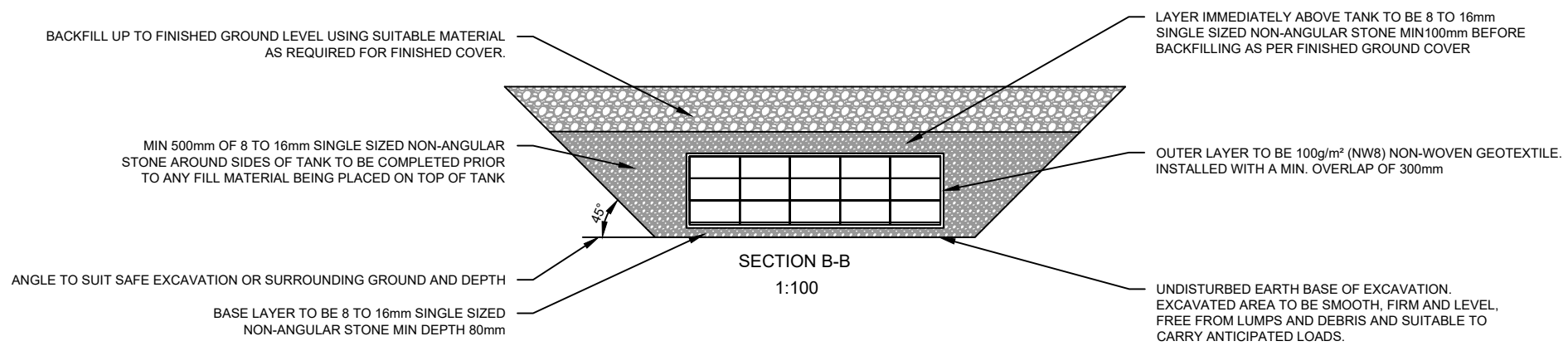
	Crate	Baseplate
Dimensions (mm)	800 x 800 x 350	800 x 800 x 40
Gross Volume (m <sup>3</sup> )	0.225m <sup>3</sup>	0.025m <sup>3</sup>
Net Volume (m <sup>3</sup> )	0.217m <sup>3</sup>	0.020m <sup>3</sup>
Material	Polypropylene	Polypropylene
Weight	9kg	4kg
Void Ratio	>96% depending on number of layers	
Inspectable	Yes, when combined with EcoBloc Flex	
*UCS Vertical	340 kN/m <sup>2</sup>	
*UCS Lateral	110 kN/m <sup>2</sup>	
*Ultimate Compression Strength		



Denotes size of excavation at the base to allow for 500mm around the tank.

Denotes size of excavation at the base to allow for 500mm around the tank. Dimensions for top of the excavation will be dependant on the depth of the excavation. Sides of excavation to be at a safe batter (or stepped).

**NOTE: EXCAVATION TO EXCEED TANK SIZE BY 500MM ON ALL SIDES TO ALLOW FOR ACCESS**



P1	LATEST REVISION	AP	06.01.20
REV.	DESCRIPTION	BY	DATE

**GRAF IRELAND**

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DRAWN :	AP	DATE :	06.01.20
CHECKED :	MC	SCALE :	VARIOUS@A3

PROJECT  
**GRAF STANDARD DETAILS**

DESCRIPTION  
**INFILTRATION TANK using GRAF ECOBLOC MAXX**

DRAWING No.	REV.
<b>STANDARD_DETAIL_MAXX_IE</b>	<b>P1</b>

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**DO NOT SCALE - IF IN DOUBT ASK**

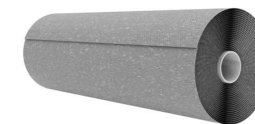
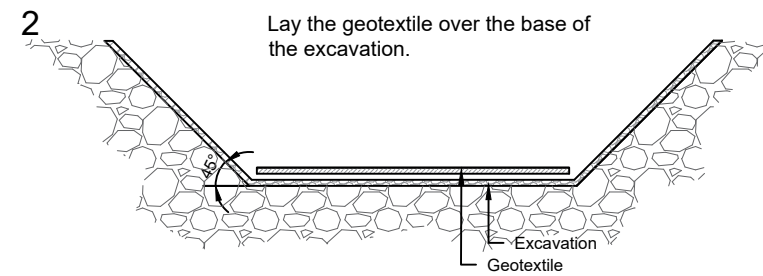
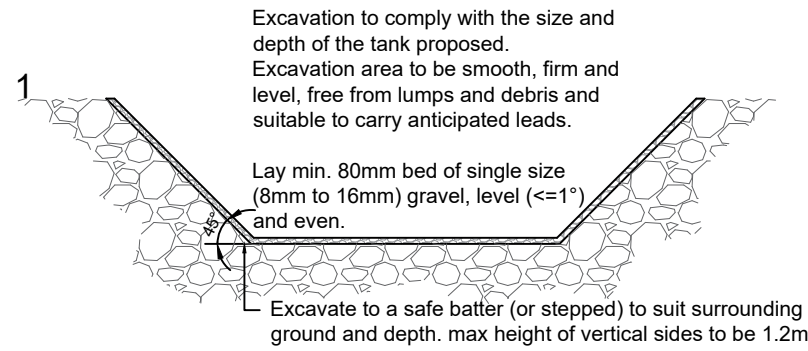
Notice: This drawing is issued only as a guideline and is an estimate of the materials required to construct the drainage system, it should not be used for construction purposes.

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**INSTALLATION METHOD:-**

1. a) Excavate the trench with a safe batter (or stepped) ensuring the footprint allows for sufficient space between tank and the sides. (minimum 500mm around all sides of the tank).  
 b) Mark out the position of the tank including inlets.  
 c) Lay min. 80mm of single sized non angular stone (8 to 16mm) as a base for the tank. This can be laid to a maximum fall of 1°.
2. a) Lay the Non-Woven Geotextile over the base the excavation, overlapping any joins by a minimum of 300mm  
 b) The Geotextile used must meet the specification stated on the drawing.
3. a) Assemble EcoBloc Maxx Crate and Baseplate, position leg ends into the corresponding holds in the Baseplate. The crate will only fit in the correct orientation. Push down firmly to ensure Crate is located correctly.  
 b) Install already assembles Crates and Baseplates onto the Geotextile until the first layer is complete. Insert retaining clips into each adjacent Crate.  
 c) To install the next layer of Crates remove from the stack and turn 90° and position directly above the Crate below. Push down firmly to ensure Crate is located correctly.  
 d) Continue until all Crates have been installed, ensuring clips are used to secure each Crate.  
 e) Fit Endplates to the sides of each Crate by positioning the bottom in place then pushing firmly on the top section to locate into place.
4. a) Fix adaptor plates to the sides of the crates in the required position for the inlets.  
 b) Cover the top and sides with Geotextile covering the entire tank with a minimum overlap of 300mm.  
 c) Install vent pipe connection into the top of the tank at a suitable location.  
 d) Backfill around the tank and for 100mm above with non-angular stone. Backfill to finished ground level with suitable material in layers.  
 e) Connect inlet pipes using appropriate bandseals.  
 f) In order to prevent silt from entering the tank it is recommended that silt traps or catchpit manholes are installed upstream of any inlet. These should be regularly maintained to avoid the buildup of any silt.

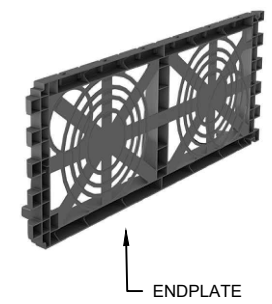
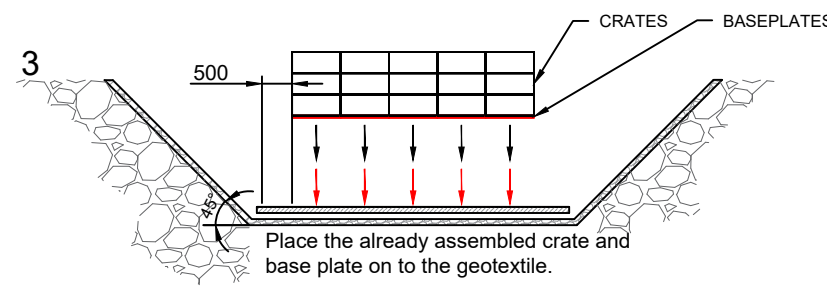
N.B. Installation method may vary depending on depth of the tank and is project specific. For more information or technical questions please contact our Technical Department at Graf Ireland.



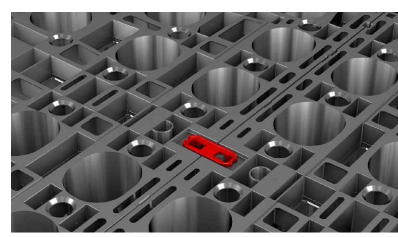
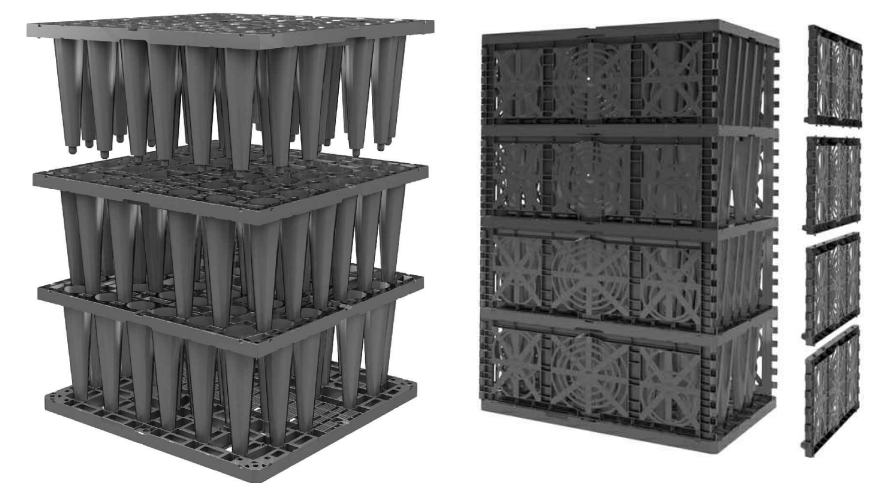
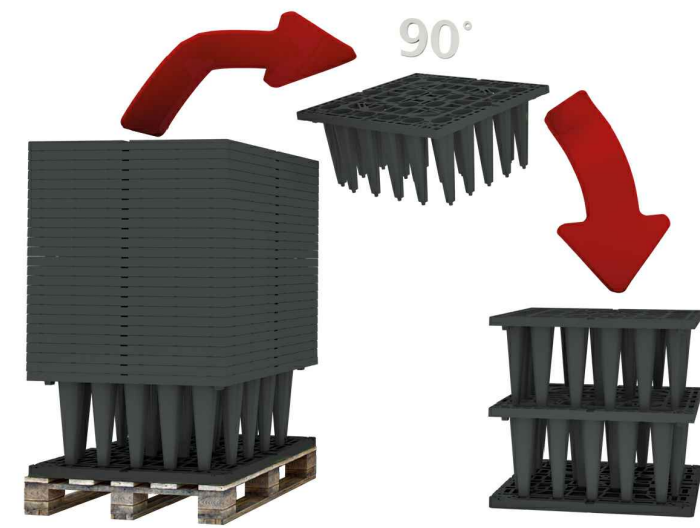
Geotextile:  
100g/m<sup>2</sup> Non-woven,  
needle punched  
geotextile

Geotextiles with characteristics less than those specified are unlikely to be suitable and are therefore not recommended for use with Graf UK systems for this application

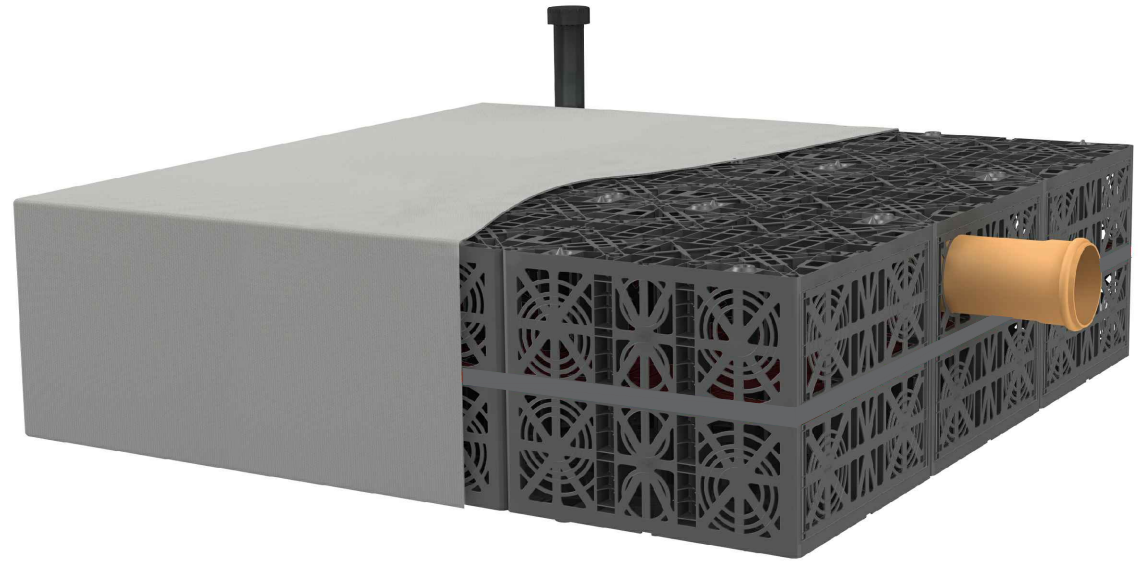
Assemble Baseplate and Ecobloc Maxx crate as shown below.



Remove a crate from the stack, rotate it 90° and place on top of the previously placed crate ensuring the connector clips are clipped locking the crates together.

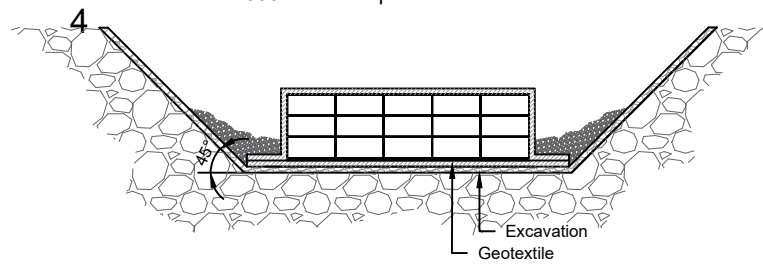


Connector clips are Red for illustration purposes only and are Grey in colour



Endplates are then clipped to the tank where required.

Wrap the geotextile around the sides and top of the tank. Installed with a Min. 300mm overlap.



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PROJECT  
**GRAF STANDARD DETAILS**

DESCRIPTION  
**INFILTRATION TANK  
using GRAF ECOBLOC MAXX**

DRAWING No.	REV.
<b>STANDARD DETAIL_MAXX_IE</b>	<b>P2</b>