



	THIS DOCUMENT IS SUPPLIED IN STRICT CONFIDENCE AND MUST NOT BE LENT, REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF GRAF UK LIMITED
e	DO NOT SCALE - IF IN DOUBT ASK
cm³	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 UK 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.
	INSTALLATION METHOD:-
se	<ol> <li>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).</li> <li>b) Mark out the position of the tank including inlets and outlets.</li> <li>c) Lay min. 50mm 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°.</li> </ol>
ended	<ol> <li>a) Lay the Geotextile on the base of the excavation, overlapping any joins by a minimum of 300mm</li> <li>b) Lay the Goemembrane on top of the Geotextile over the base and up the sides of the trench.</li> <li>c) Membrane must be joined by thermal fusion heated wedge welding. It is recommended that the Dual Seam method is used as this generates an unwelded channel which can be pressured with air to check the integrity of the weld.</li> <li>d) The membrane and geotextile used must meet the specification stated on the drawing.</li> <li>a) Place the first layer of crates until complete ensuring clips are used to secure each crate.</li> <li>b) Continue building the tank up until all crates have been installed to the dimensions specified, project specific.</li> <li>a) Fix adaptor plates to the sides of the crates in the required position for the inlet and outlet pipes.</li> <li>b) Cut a hole in the geomembrane and pull up over the adaptor plate sealing the membrane around the sides and fully wrap the crates, securing the lid in place by heated wedge welding to the side panels.</li> <li>d) Wrap and overlap the geotextile covering the entire tank to protect the geomembrane.</li> <li>e) Install vent pipe connection into the top of the tank at a suitable location.</li> <li>f) Backfill around the tank and for 100mm above with non-angular stone. Backfill to finished ground level with suitable material in layers.</li> <li>g) Connect inlet/outlet pipes using appropriate bandseals.</li> <li>h) In order to prevent silt from entering the tank it is recommended that silt traps or catchpit manholes are installed upstoream of any inlet. These should be regularly maintained to avoid the buildup of any silt.</li> </ol>
ertically	
1	P3 UPDATED NOTES AP 21.09.22
	P2 DETAILS UPDATED FOR NEW RAINBLOC CRATE MC 02.02.21 REV. DESCRIPTION BY DATE
	GRAF UK Limited. Regen House, Beaumont Road, Banbury, Oxfordshire. OX16 1RH T: 01608 661500 F: 01295 211333 E: info@grafuk.co.uk www.grafuk.co.uk
	DRAWN :         DB         DATE :         05.10.2018           CHECKED :         MC         SCALE :         VARIOUS@A3
	GRAF STANDARD DETAILS
	ATTENUATION TANK using GRAF RAIN BLOC
	DRAWING NO. STANDARD DETAIL.RAIN BLOC. P3 (Pg.2)