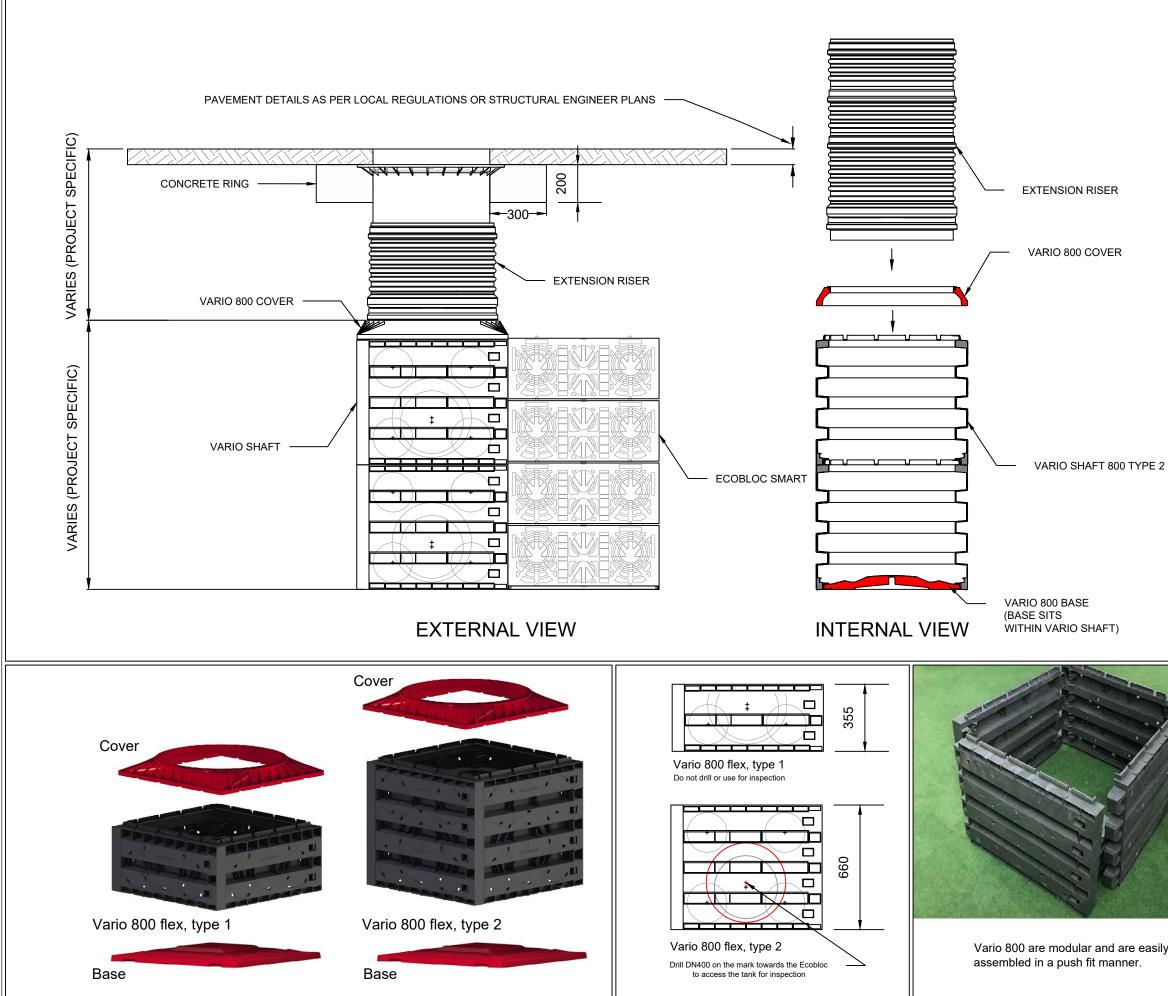


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ne	DO NOT SCALE - IF IN DOU	ΒT	ASK		
	Notice: This drawing is issued only as a guideline and is an estimate of the materials required to construct the drainage system, it should not be used for construction purposes.				
	Graf Australia Pty Ltd makes 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:				
	<ol> <li>a) Excavate the trench with a safe batter (or stepped) ens footprint allows for sufficient space between tank and the 500mm around all sides of the tank).</li> </ol>				
	<ul> <li>b) Mark out the position of the tank including inlets and ou</li> <li>c) Lay min. 50mm of single sized non angular stone</li> </ul>	tlets.			
d	(8 to16mm) as a base for the tank. This can be laid to a m				
ed	<ol> <li>a) Lay the outer geotextile over the base of the excavation sides of the trench, overlapping any joins by a minimum of b) Lay the geomembrane on top of the outer geotextile.</li> </ol>				
,	<ul> <li>c) Geomembrane must be joined by thermal fusion heater by an experienced operator that holds an appropriate National Statement (Statement)</li> </ul>				
<i>I</i> .	or other qualification for membrane installation. It is recommended that the Dual Seam method is used as this generates an unwelded channel which				
ETOE	can be pressured with air to check the integrity of the weld d) Lay the inner geotextile over the geomembrane before s		to build		
	the tank. e) The geomembrane and geotextile used must meet the s stated on the drawing.	specific	ation		
	3. a) Place EcoBlocs Smart Baseplates onto the inner of the	geotex	tile,		
	according to inspection orientation. Baseplates do not require clipping. If a Vario shaft is to be included within the tank make sure the Vario shaft here is in practice leasted (Vario and the new do not require a Cashba at				
	<ul> <li>base is in position located (Vario sahft base do not require baseplate).</li> <li>b) Place EcoBlocs Smart on the baseplates according to in</li> </ul>				
ATE	orientation, position leg ends into corresponding holes in the Baseplate. The bloc will only fit in the correct orientation. Push down firmly to ensure				
ATE	the EcoBloc is located correctly, clipping each adjacent bloc using the connectors until the first layer is completed.				
	<ul> <li>c) Make sure the row of EcoBlocs Smart are in the correct where inspection run is required.</li> <li>d) To install the next layer of blocs remove from the stack</li> </ul>				
	position directly above the bloc below. Push down firmly to is located correctly.				
	e) Continue until all EcoBlocs Smart have been installed, are used to secure each bloc.				
	f) Fit Endplates to the sides of each bloc by positioning the bottom in place then pushing firmly on the top section to locate into place.				
	<ol> <li>a) Fix adaptor plates to the sides of the blocs in the requir the inlet and outlet pipes if required.</li> </ol>	ed pos	ition for		
	<li>b) Cut a hole in the geomembrane and geotextile for inlet and outlet connections.</li>				
	he bloc side pa	nels.			
	<ul> <li>d) Cover the top and sides with the outer geotextile 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 in 300mm layers increments using non-cohesive, compressible loose rock (gravel, crushed rock, sand, etc).</li> <li>g) Connect inlet/outlet pipes and weld/glue them to have a watertight connection.</li> </ul>				
ł.					
	<ul> <li>h) In order to prevent silf 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.</li> </ul>				
	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 Australia.				
	2 LATEST REVISION	MV	05.01.2023		
	1 LATEST REVISION REV. DESCRIPTION	MV BY	15.09.2022 DATE		
	(GRAF.) GRAF Australia	a P	tv I td		
	GRAF Australia Pty Ltd, 43b Sparks Road (rear building), Henders				
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	DRAWN : AA DATE :		1.2023		
		VAF	RIOUS@A3		
	GRAF STANDARD DETAILS				
	using GRAF ECOBLOC SMART & VARIO SHAFT				
	DRAWING No. REV.				
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	NOTES:-			
	<ol> <li>All dimensions in mm, unless otherwise stated.</li> <li>All dimensions are nominal and may vary within manutolerances.</li> </ol>	facturing		
	<ol> <li>All site temporary enabling works by others.</li> <li>Graf products to be installed in strict accordance with Graf</li> </ol>			
	recommendations. 5. This drawing is intended for guidance only. Confirmation of the suitability for a particular project should be sought from the			
	consulting for a particular project should be sought for consulting engineers prior to final design or commenc construction works.			
	VARIO 800 TYPE 1			
	Dimensions (mm) 800 x 800 x 355 Weight 14kg			
	Volume 230 (litres)			
	VARIO 800 TYPE 2 Dimensions (mm) 800 x 800 x 660			
	Dimensions (mm) 800 x 800 x 660 Weight 24kg Volume 420 (litres)			
	Volume 420 (intres)			
	Dimensions (mm) 800 x 800 x 100 Weight 11kg			
	weight Tikg			
	2 LATEST REVISION     1 LATEST REVISION	AA 05.01.2023 MV 15.09.2022		
2	REV. DESCRIPTION	BY DATE		
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	DRAWN :         AA         DATE :           CHECKED :         MV         SCALE :	05.01.2023 VARIOUS@A3		
	PROJECT			
	GRAF STANDARD DET	AILS		
	ATTENUATION TANK			
	using GRAF ECOBLOC SMART &			
/	VARIO SHAFT			
	DRAWING No. DWG-359	REV. 2		
		(Pg.3)		