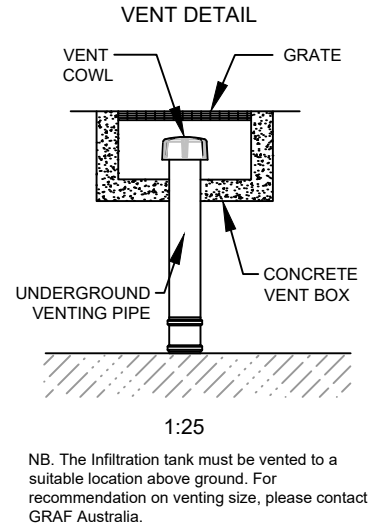
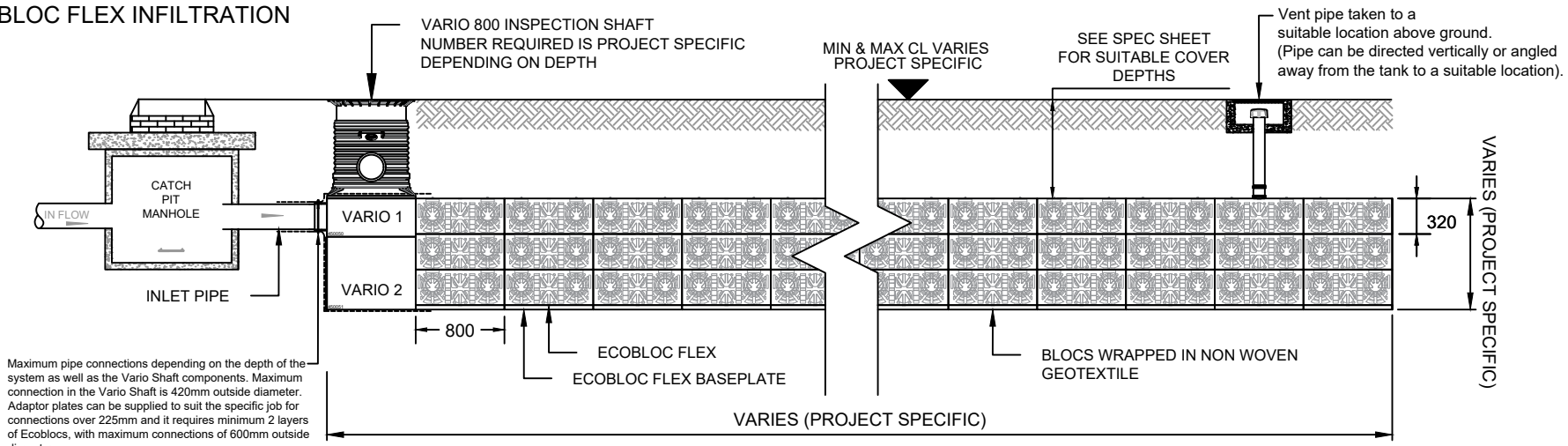


ECOBLOC FLEX INFILTRATION



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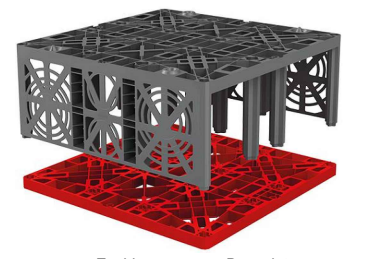
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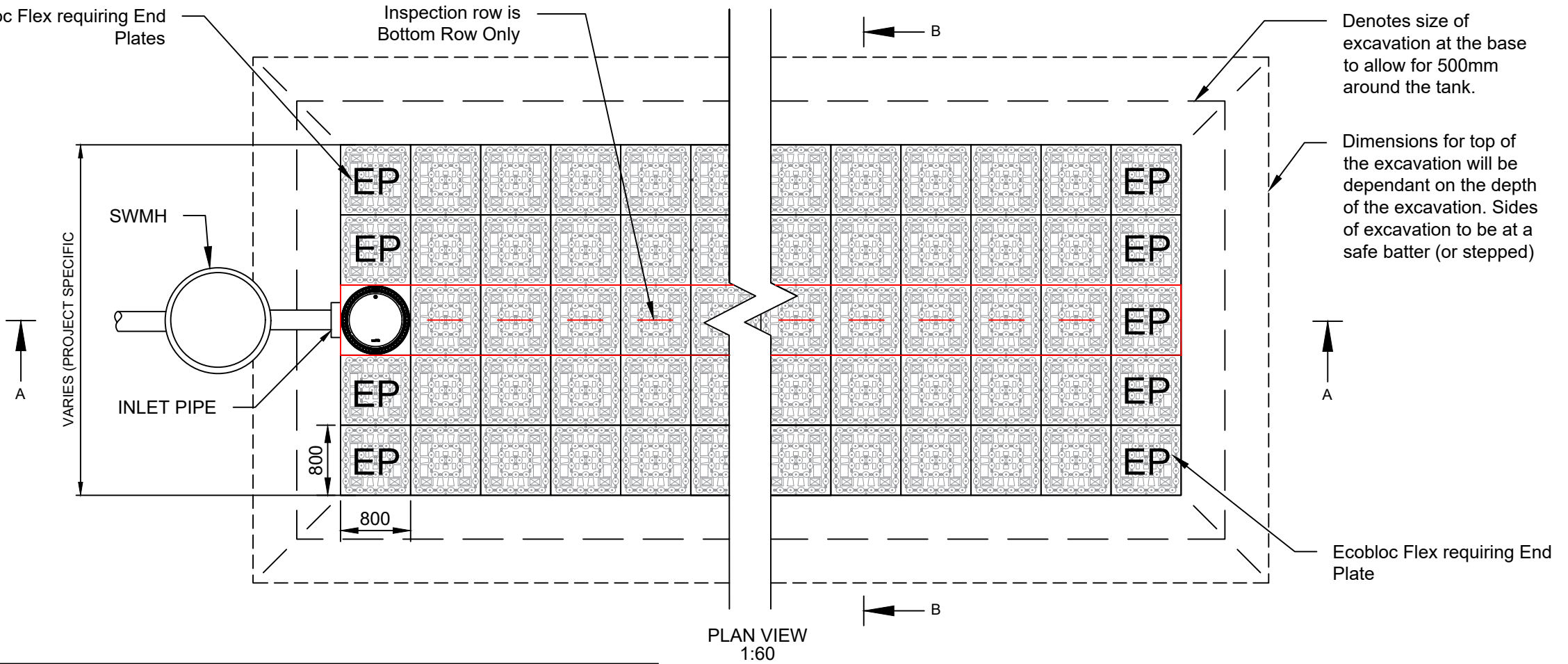
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ECOBLOC FLEX



	Ecobloc	Baseplate
Dimensions (mm)	800 x 800 x 320	800 x 800 x 40
Gross Volume (m3)	0.205m³	0.025m³
Net Volume (m3)	0.195m³	0.020m³
Material	Polypropylene	Polypropylene
Weight	8kg	4kg
Void Ratio	>96% depending on number of layers	
Inspectable	Yes	
Comply to load requirements of AS5100		

Ecobloc Flex requiring End Plates



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

BACKFILL UP TO FINISHED GROUND LEVEL USING SUITABLE MATERIAL AS REQUIRED FOR FINISHED COVER.

NON-COHESIVE, COMPRESSIBLE LOOSE ROCK (GRAVEL, CRUSHED STONE, SAND, ETC.)
MIN. FRICTION ANGLE 30°-35° *
MAX. BULK UNIT WEIGHT 20kN/m³

ANGLE TO SUIT SAFE EXCAVATION OR SURROUNDING GROUND AND DEPTH

BASE LAYER TO BE 8 TO 16mm SINGLE SIZED NON-ANGULAR STONE MIN DEPTH 50mm

SECTION B-B 1:75

OUTER LAYER TO BE NON-WOVEN GEOTEXTILE. INSTALLED WITH A MIN. OVERLAP OF 300mm.

UNDISTURBED EARTH BASE OF EXCAVATION. EXCAVATED AREA TO BE SMOOTH, FIRM AND LEVEL, FREE FROM LUMPS AND DEBRIS AND SUITABLE TO CARRY ANTICIPATED LOADS.

* These values depends on installation conditions. Please, contact GRAF Technical team for more details.



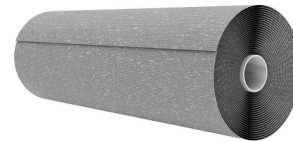
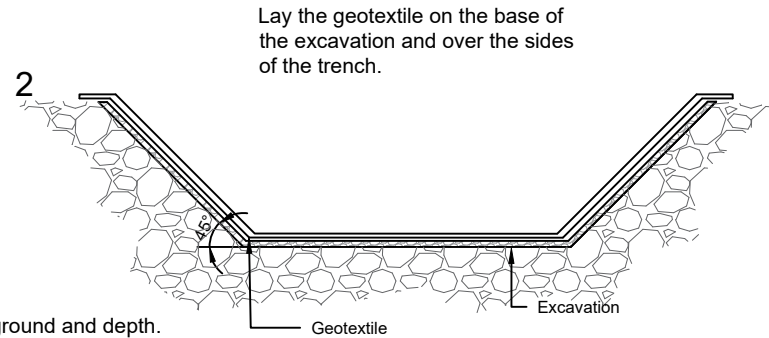
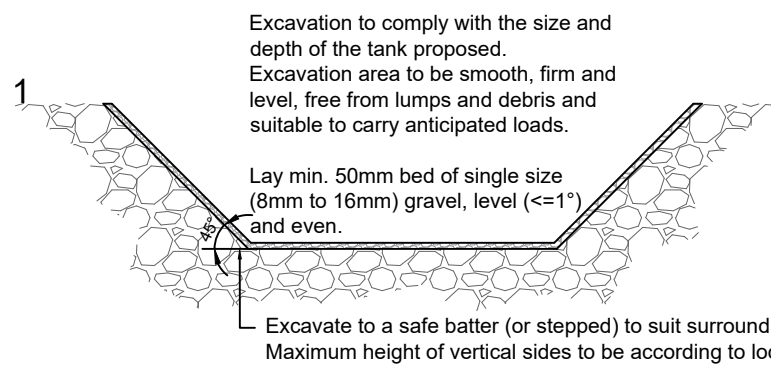
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T: +61 1300 131 971 F: +61 8 6499 2688
E: info@grafaustalia.com.au www.grafaustalia.com.au

DRAWN : MV DATE : 04.01.2022
CHECKED : LB SCALE : VARIOUS@A3

PROJECT
GRAF STANDARD DETAILS

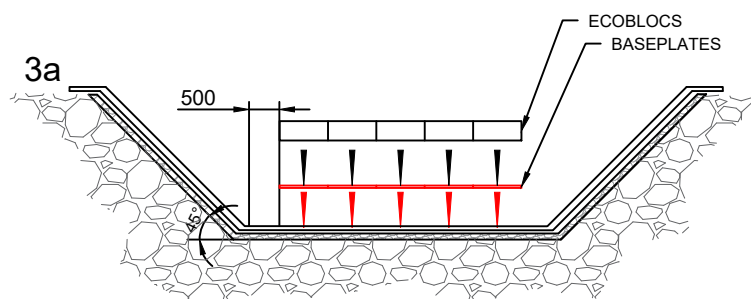
DESCRIPTION
**INFILTRATION TANK
using GRAF ECOBLOC FLEX &
VARIO SHAFT**

DRAWING No. **DWG-342** REV. **2**
(Pg.1)

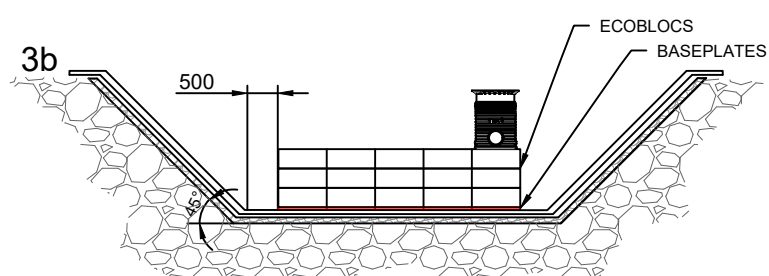


Geotextile:
150g/m² Non-woven

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

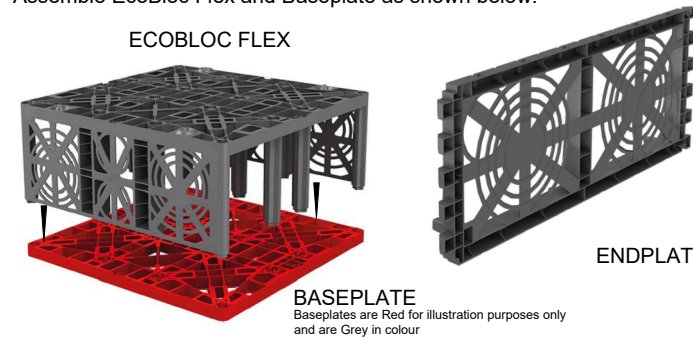


Place the Baseplates on the geotextile followed by the first layer of Ecoblocs securing them with connectors. Make sure the Vario shaft is the correct position for inspection.

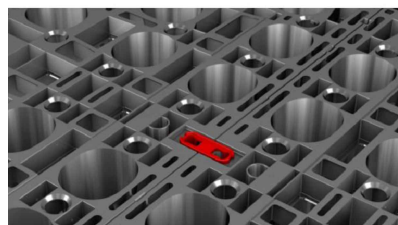
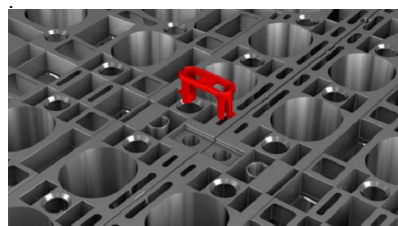


After all layers of Ecoblocs and the Vario shaft are placed and secured, install the End Plates. Endplates are clipped to the tank where it is required.

Assemble EcoBloc Flex and Baseplate as shown below.



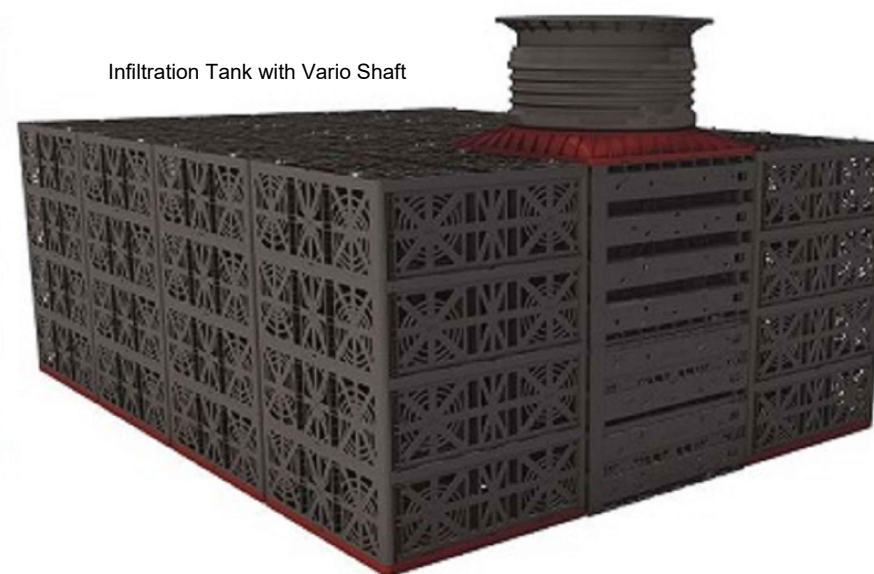
Place the one layer of Ecoblocs on top of the previously placed layer of Baseplates ensuring the connector clips are clipped locking the Ecoblocs together.



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



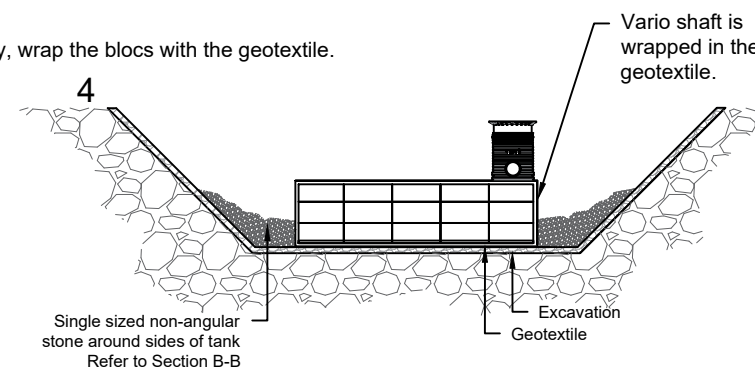
Infiltration Tank with Vario Shaft



Infiltration Tank with Vario Shaft



Finally, wrap the blocs with the geotextile.



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INSTALLATION METHOD:

- 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. 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°.
- a) Lay the 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.
- a) Place EcoBloc Flex Baseplates on top of the geotextile according to inspection orientation until the bottom of the tank is completed. Check position of vario shaft before placing Baseplates. Clip Baseplates together using the connectors.
b) Place Ecoblocs Flex on the Baseplates clipping each adjacent bloc using the connectors. Ecoblocs will only fit in the correct orientation considering the inspection orientation. Push down firmly to ensure the Ecobloc is located correctly.
c) Place Vario shaft in the correct location for inspection while building the tank.
d) Install the next layer of Ecoblocs on top of the first layer until all the layers are completed. Ensure Ecoblocs have the correct direction and are secured with connectors.
e) 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.
- a) Fix adaptor plates to the sides of the blocs in the required position for the inlet and if required.
b) Cut a hole in the geotextile for inlet connections.
c) Pull geotextile up around the sides and fully wrap the blocs, securing the top in place.
d) Install vent pipe connection into the top of the tank at a suitable location.
e) Backfill around the tank in 300mm layers increments using non-cohesive, compressible loose rock (gravel, crushed rock, sand, etc).
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 Australia Pty Ltd.

2	LATEST REVISION	MV	04.01.2022
1	LATEST REVISION	MV	02.11.2021
REV.	DESCRIPTION	BY	DATE

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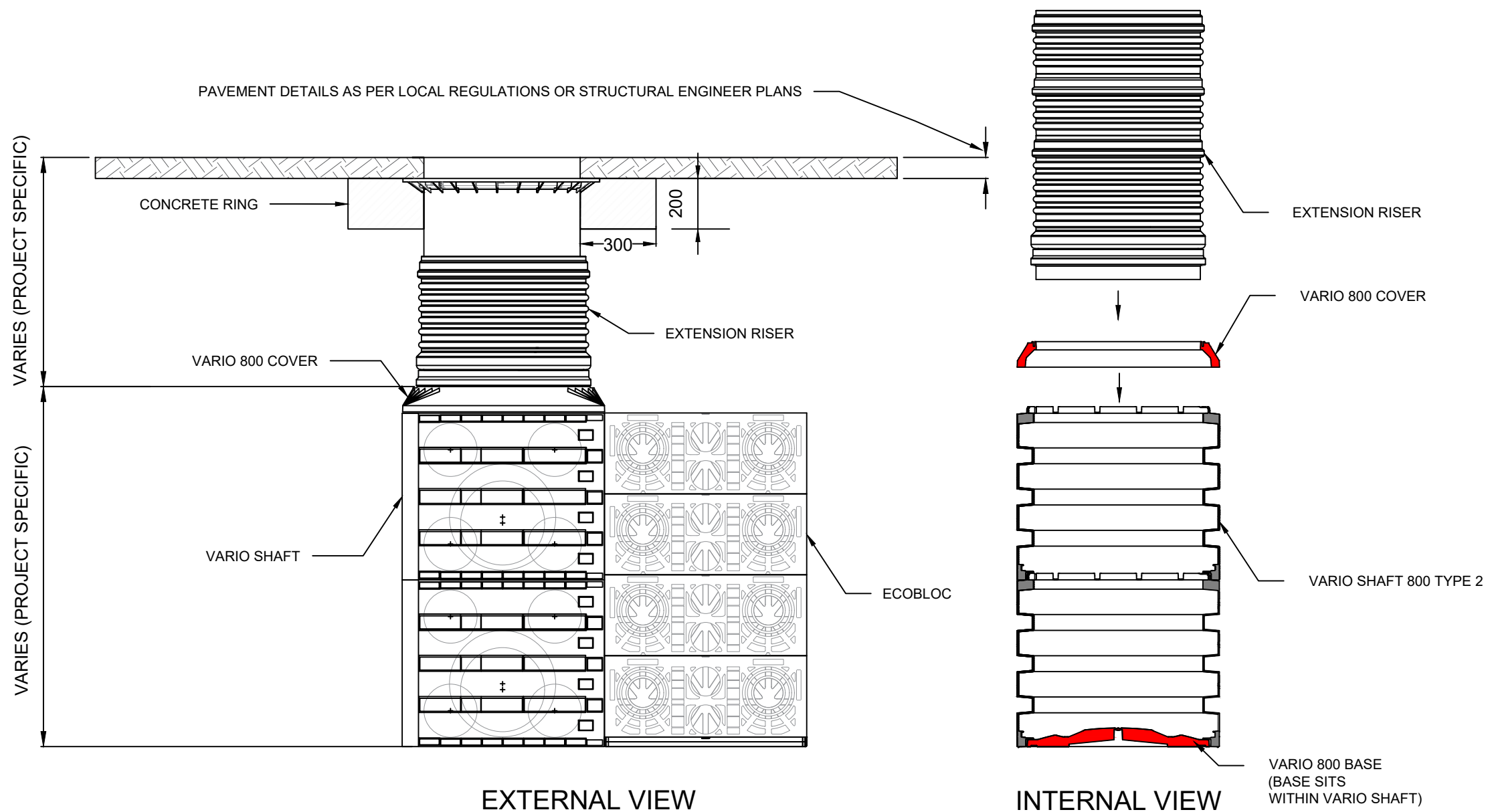
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DRAWN :	MV	DATE :	04.01.2022
CHECKED :	LB	SCALE :	VARIOUS@A3

PROJECT	GRAF STANDARD DETAILS
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DESCRIPTION	INFILTRATION TANK using GRAF ECOBLOC FLEX & VARIO SHAFT
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DRAWING No.	DWG-342	REV.	2 (Pg.2)
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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
Weight 24kg
Volume 420 (litres)

VARIO 800 BASE/COVER SET

Dimensions (mm) 800 x 800 x 100
Weight 11kg

2	LATEST REVISION	MV	04.01.2022
1	LATEST REVISION	MV	02.11.2021
REV.	DESCRIPTION	BY	DATE



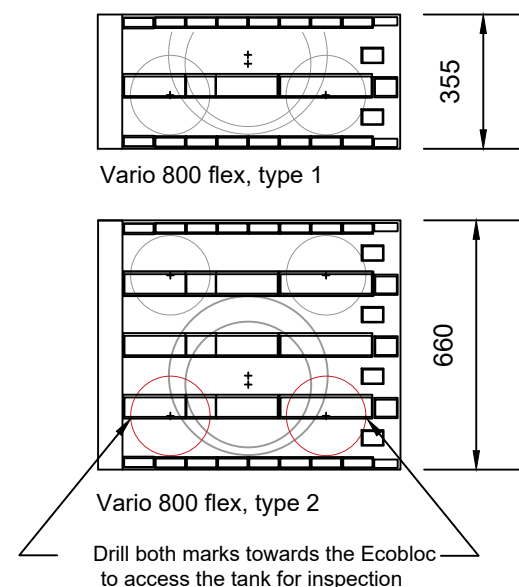
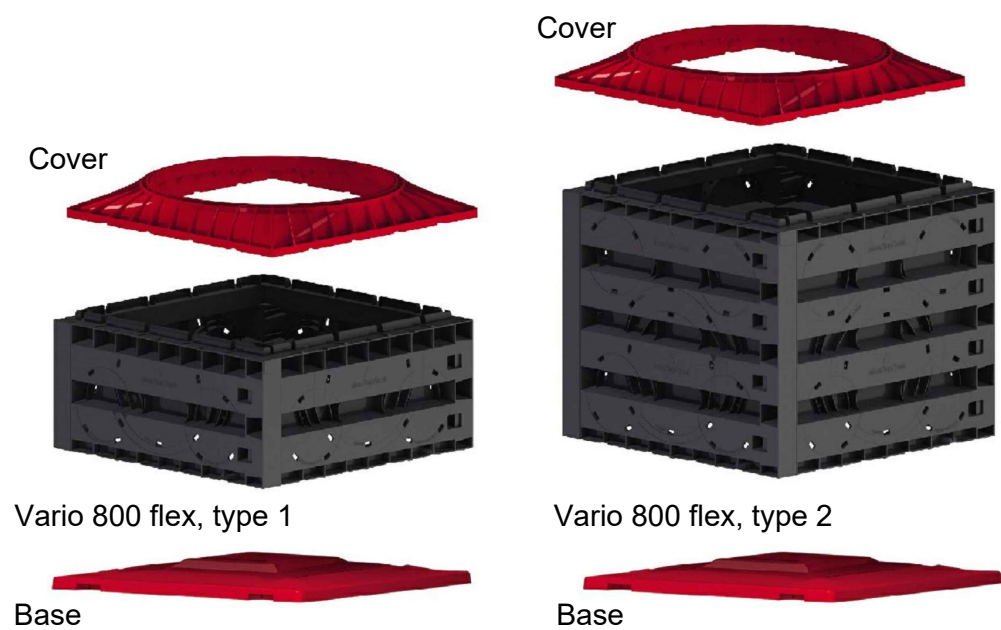
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PROJECT	GRAF STANDARD DETAILS
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DESCRIPTION	INFILTRATION TANK using GRAF ECOBLOC FLEX & VARIO SHAFT
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DRAWING No.	DWG-342	REV.	2 (Pg.3)
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Vario 800 are modular and are easily assembled in a push fit manner.