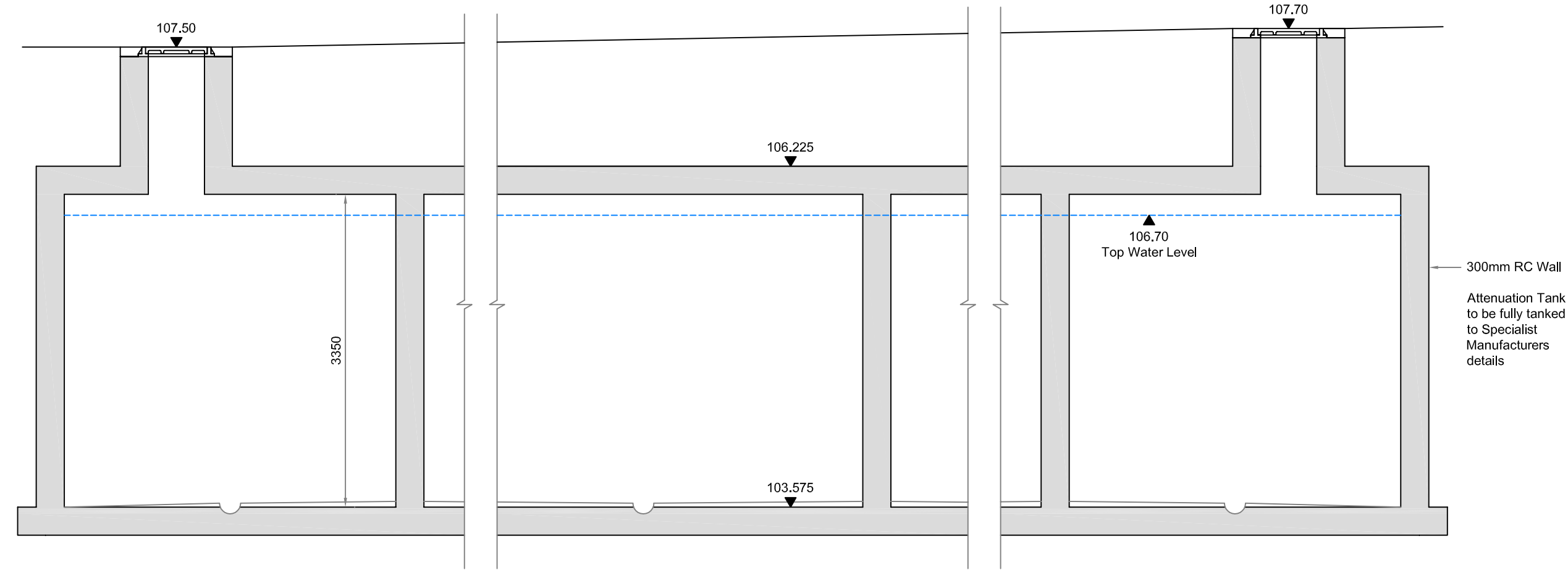
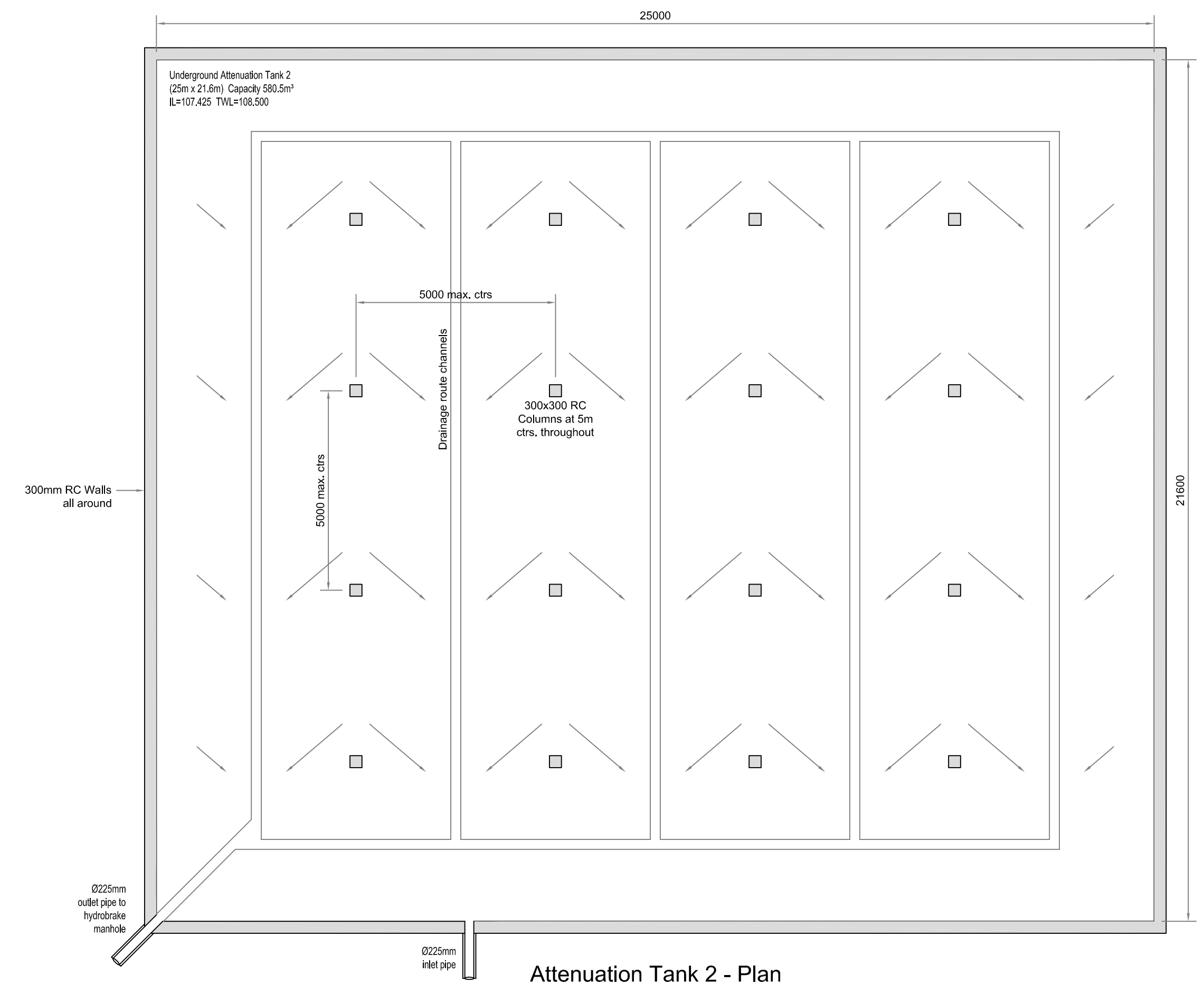


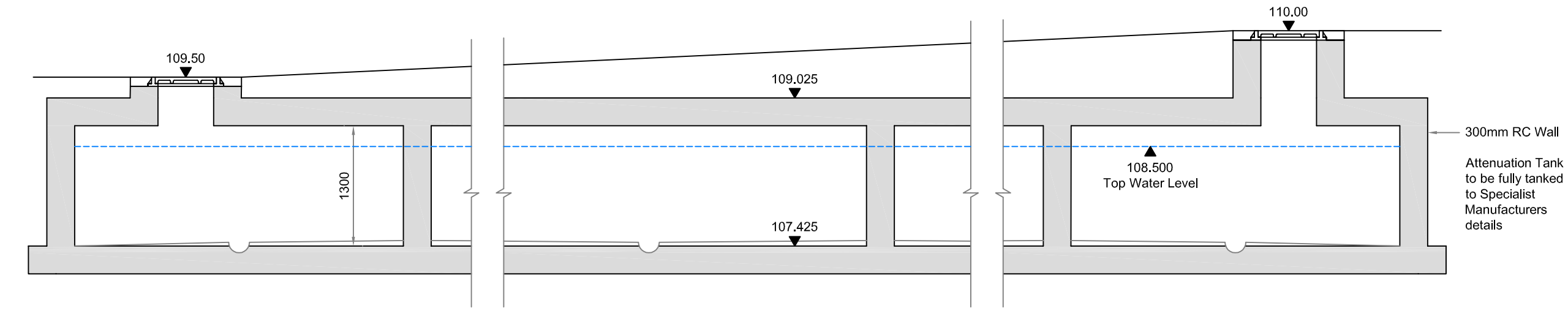
**Attenuation Tank 1 - Plan**  
Scale 1:100



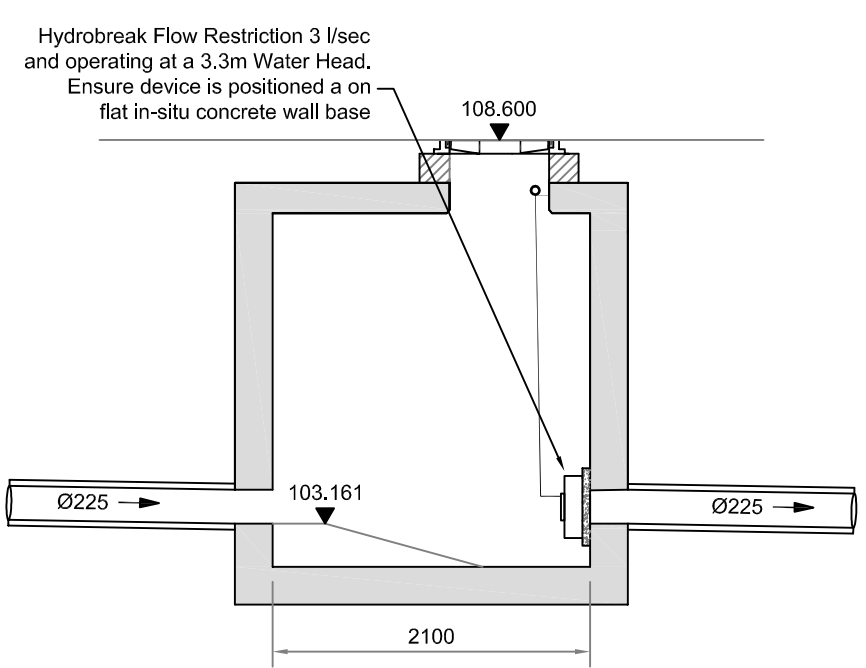
**Attenuation Tank 1 - Section**  
Scale 1:50



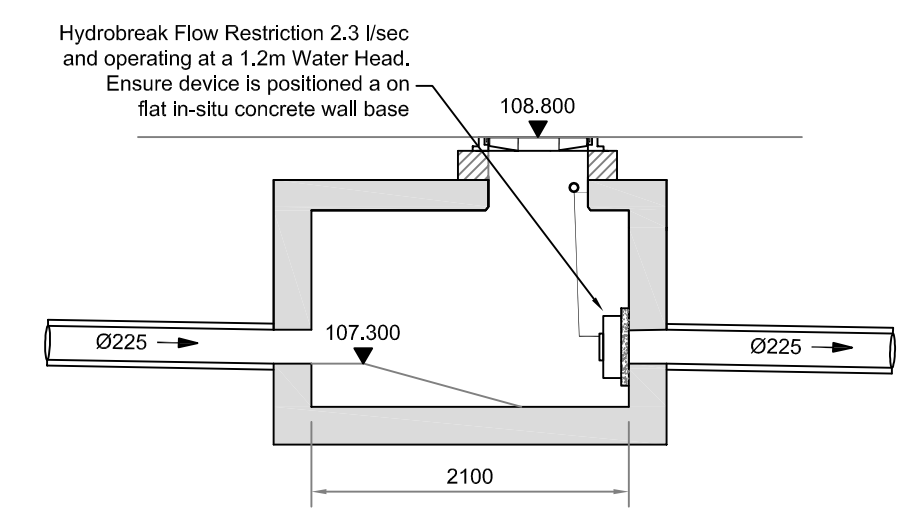
**Attenuation Tank 2 - Plan**  
Scale 1:100



**Attenuation Tank 2 - Section**  
Scale 1:50



**Hydrobrake Manhole at Attenuation Tank 1**  
Scale 1:50



**Hydrobrake Manhole at Attenuation Tank 2**  
Scale 1:50



**Typical 225 Litre Rainwater Butt**  
N.T.S

All houses to receive a 225 litre Rainwater Butt tapped to roof drain downpipe, to store rainwater for domestic garden use

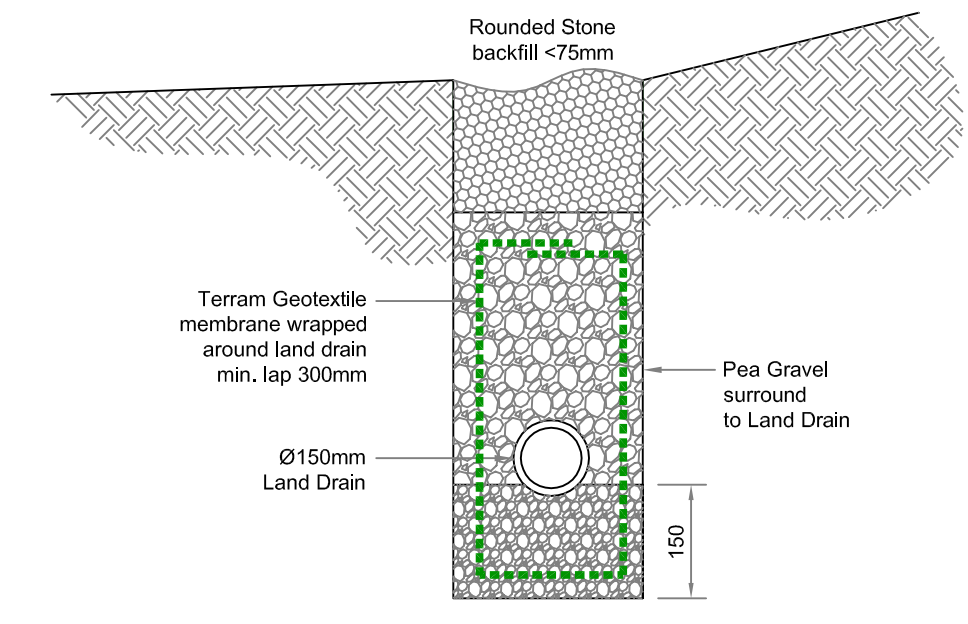


**Klargester Bypass Separator NSBP004**  
N.T.S

Each bypass separator design includes the necessary volume requirements for:

- Oil separation capacity
- Oil storage volume
- Silt storage capacity
- Coalescer

The unit is designed to treat 10% of peak flow. The calculated drainage areas served by each separator are indicated according to the formula given by FPG3 NSS = 0.0018A(m<sup>2</sup>). Flows generated by higher rainfall rates will pass through part of the separator and bypass the main separation chamber. Class 1 separators are designed to achieve a concentration of 5mg/litre of oil under standard test conditions.



**Typical Land Drain Detail**  
SCALE 1:10

P1	20.11.17	REVISED LAYOUT	CB
REV.	DATE	DESCRIPTION	BY
© This drawing is Copyright and must only be used for the project below.			
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<b>PROJECT</b> EARLS COURT, KILL, Co. KILDARE			
<b>DRAWING TITLE</b> ATTENUATION & DRAINAGE DETAILS			
<b>ARCHITECT</b> JFOC ARCHITECTS		<b>STAGE</b> PLANNING	
<b>DATE</b> JUN 2017	<b>CHECKED</b> EM	<b>DRAWN</b> CB	<b>SCALES</b> AS SHOWN
<b>DWG NO.</b> 1715-108		<b>REV.</b> P1	