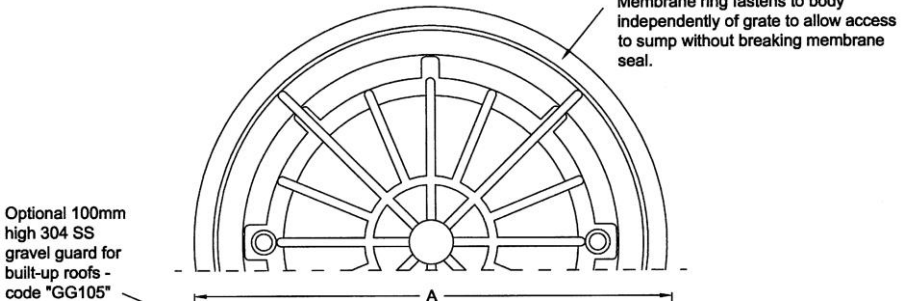
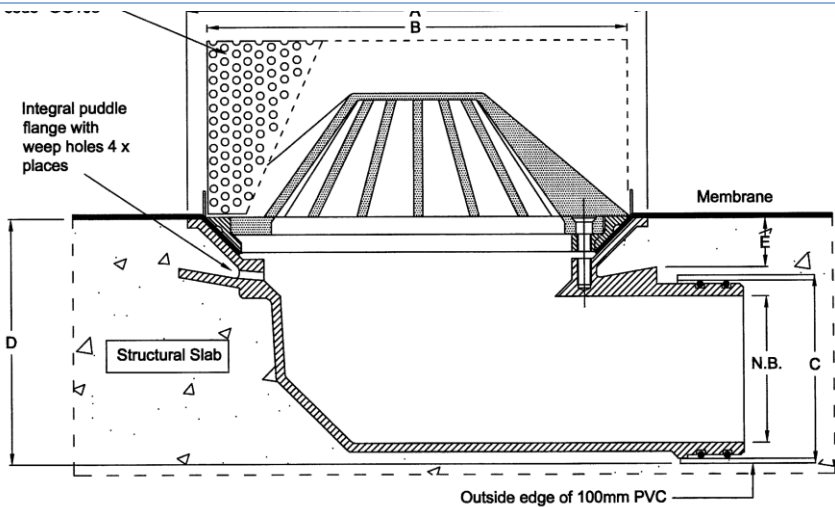
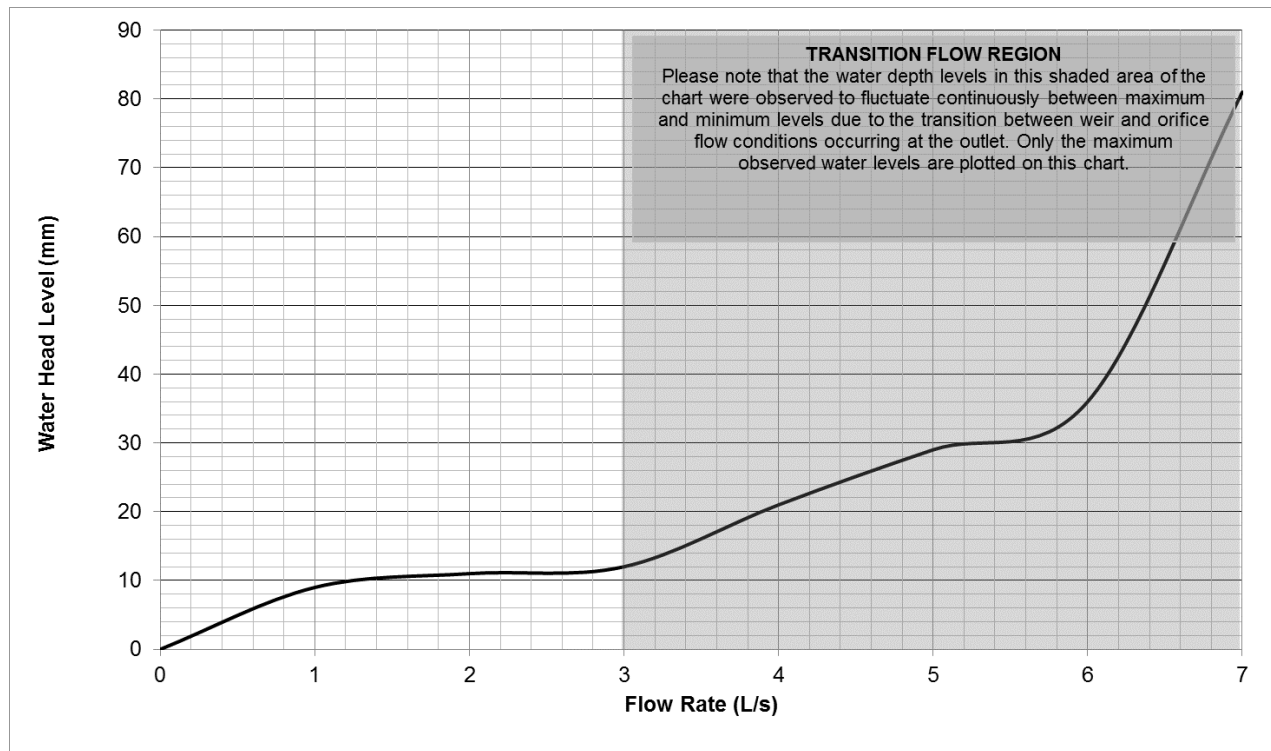


OUTLET PERFORMANCE CERTIFICATE ID: SPS031 - TIA100/90D2

Test Results		ID: SPS031
Description	SPS Truflo 90° RWO	
Drain Type	Dome Grate and Membrane Clamp	
Model	TIA100/90D2	
Outlet Size	100NB	
Test Date	21/09/2016	
Grate Drawing	 <p style="text-align: center;">SPS Catalogue Ref: 1.08</p>	
Housing Drawing		
Drain Pipe Configuration	<p>O-ring connection was not possible due to 90 Degree housing outlet close proximity to tank frame. An alternative configuration of open outlet and flexible lay flat hose was utilised.</p>	

Flow Characteristic Curve – TIA100/90D2



Weir Flow – 3 L/s (12mm)



Surcharged flow 5 L/s (30mm)

Observation Comments:

- Flow rates from 2.0-3.0 L/s (12mm Head) produced a flat characteristic curve with stable water head levels.
- At 4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 5.0 – 7.0 L/s the flow surcharged with the water head rising rapidly to 80mm.
- The maximum flow limit to maintain weir flow conditions is 3.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016