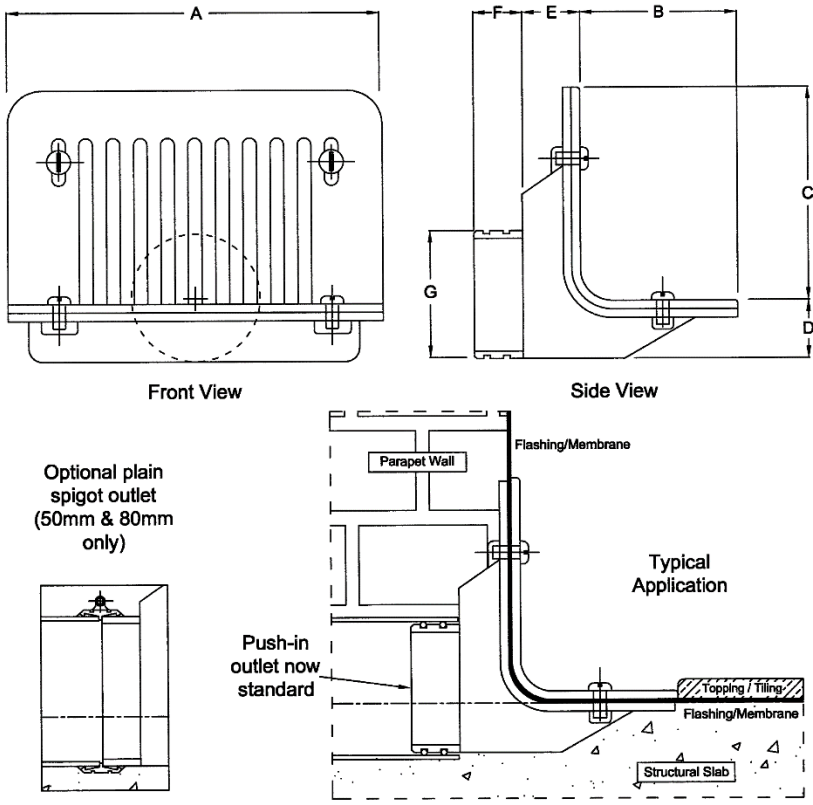
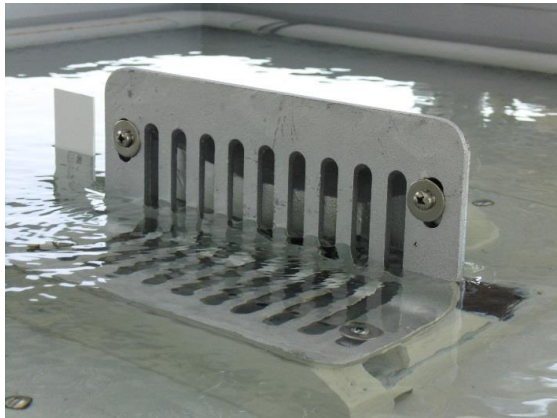
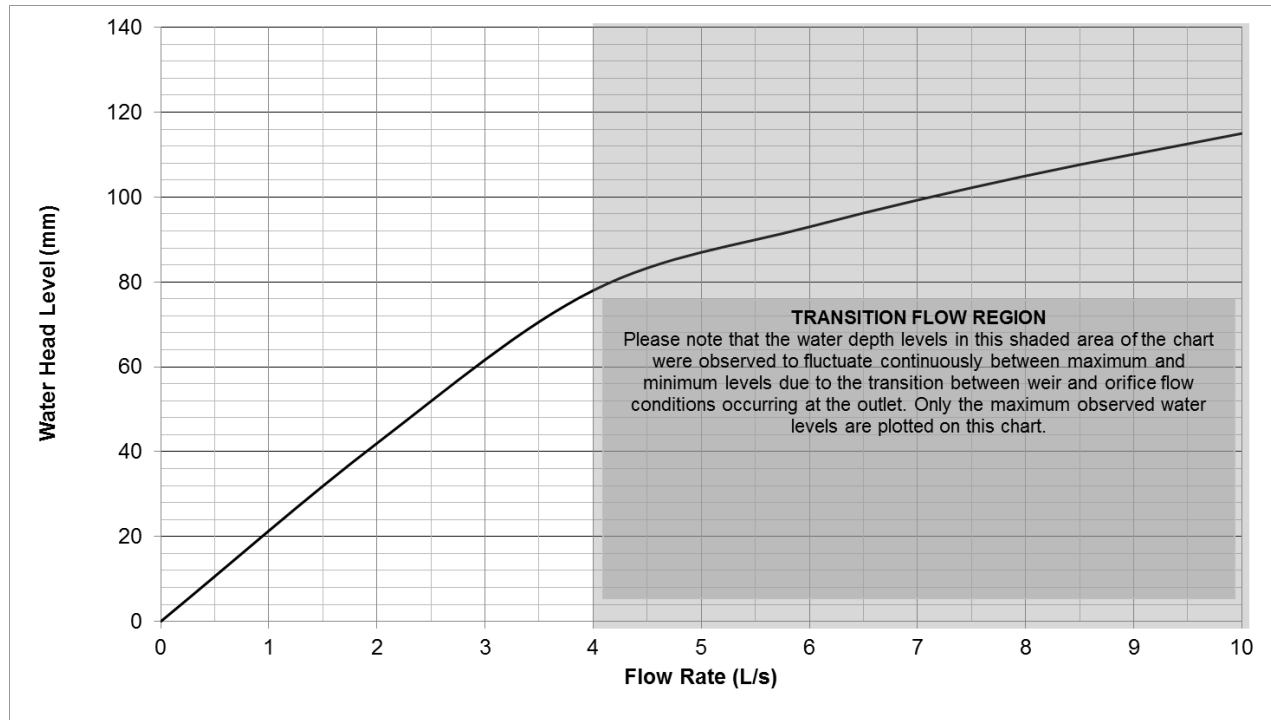


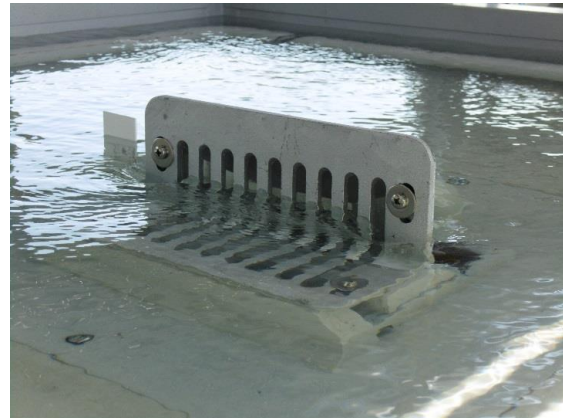
OUTLET PERFORMANCE CERTIFICATE ID: SPS037 - PD100CS

Test Results		ID: SPS037
Description	SPS Parapet Drains	
Drain Type	100mm	
Model	PD100CS	
Outlet Size	100NB	
Test Date	11/10/2016	
Grate and Housing Drawing	 <p style="text-align: center;">SPS Catalogue Ref: 1.13</p>	
Drain Pipe Configuration	<p>Standard pipe configuration as shown in AHSCA test procedure.</p> <p>This outlet was mounted with the 100NB oring connection.</p> <p>The outlet is raised 85mm above the tank surface for mounting purposes. Visual water levels need to be corrected 85mm.</p>	

Flow Characteristic Curve – PD100CS



Weir Flow – 4.0 L/s (80mm)



Vortex Flow 10.0 L/s (115mm)

Observation Comments:

- Flow rates from 0-4.0 L/s (80mm Head) produced a flat characteristic curve with weir flow conditions.
- At 5.0 L/s the weir flow transitioned to vortex flow, and remained in vortex flow up to 10.0 L/s (115mm).
- The maximum flow limit to maintain weir flow conditions is 4.0 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