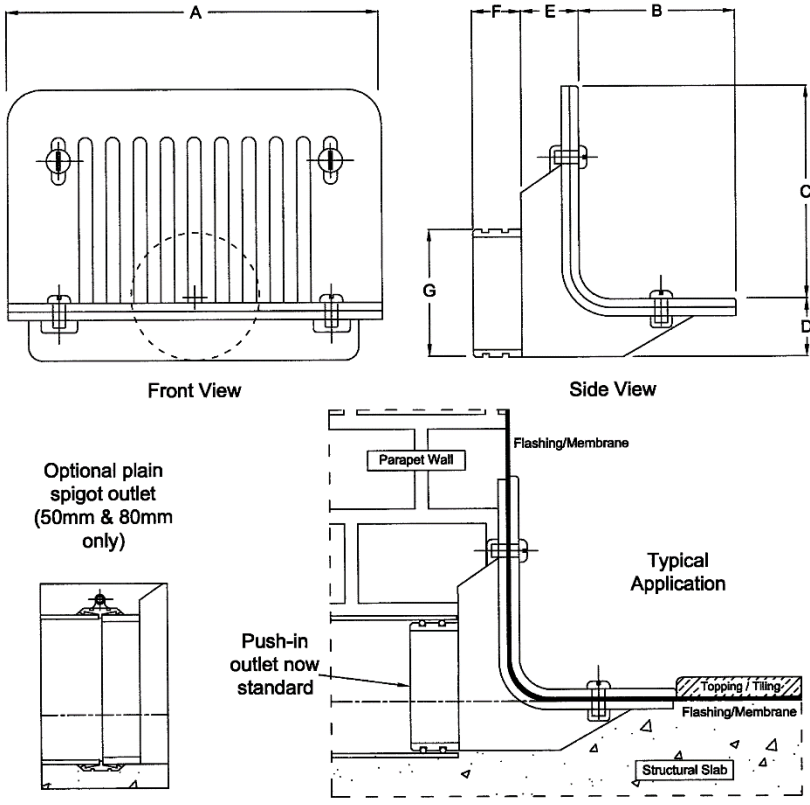
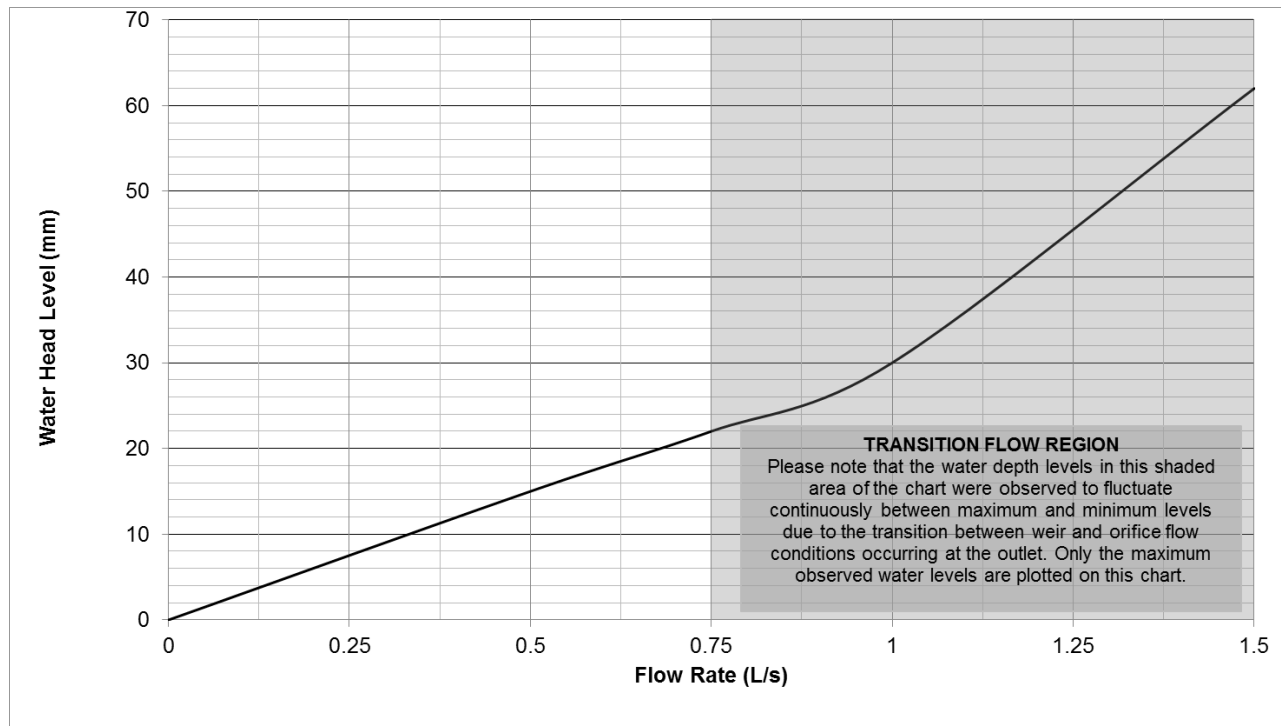


**OUTLET PERFORMANCE CERTIFICATE     ID: SPS035 - PD50CS**

Test Results		ID: SPS035
<b>Description</b>	SPS Parapet Drains	
<b>Drain Type</b>	50mm	
<b>Model</b>	PD50CS	
<b>Outlet Size</b>	50NB	
<b>Test Date</b>	05/10/2016	
<b>Grate and Housing Drawing</b>	<div style="text-align: center;">  <p style="text-align: center;">SPS Catalogue Ref: 1.13</p> </div>	
<b>Drain Pipe Configuration</b>	Standard pipe configuration as shown in AHSCA test procedure. This outlet was mounted with the 50NB oring connection.	

### Flow Characteristic Curve – PD50CS



Weir Flow – 0.75 L/s (22mm)



Surcharged Flow – 1 L/s (30mm)

#### Observation Comments:

- Flow rates from 0-0.75 L/s (22mm Head) produced a flat characteristic curve.
- At 1.0 L/s the weir flow transitioned to surcharged flow with the water head rising rapidly to 60mm at 1.5 L/s.
- The maximum flow limit to maintain weir flow conditions is 0.75 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: 16<sup>th</sup> November 2016

Date: 16<sup>th</sup> November 2016