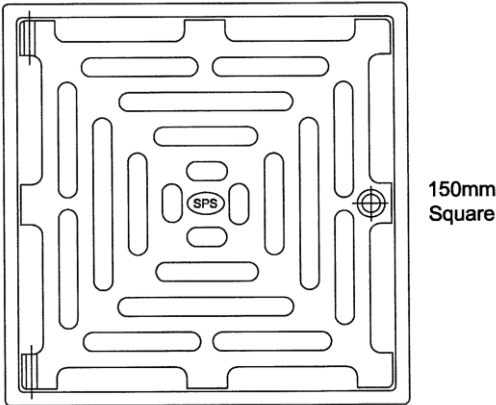
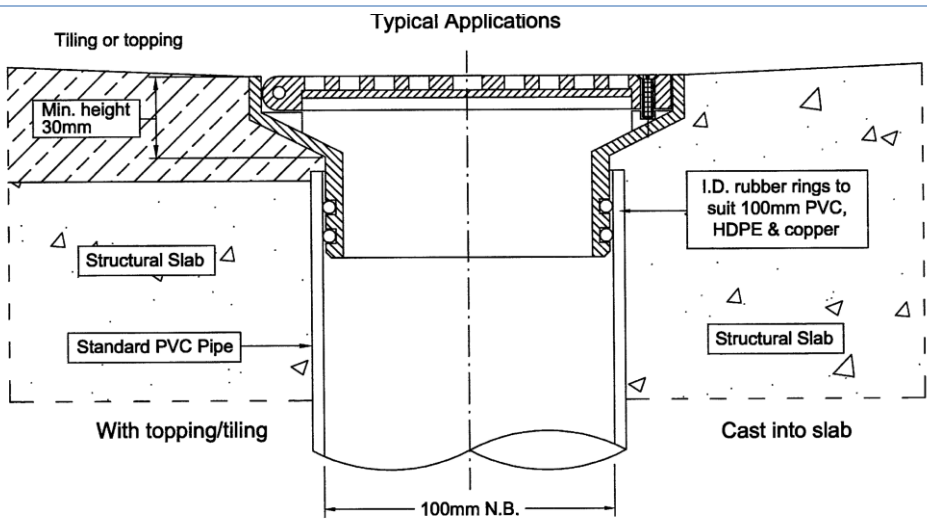
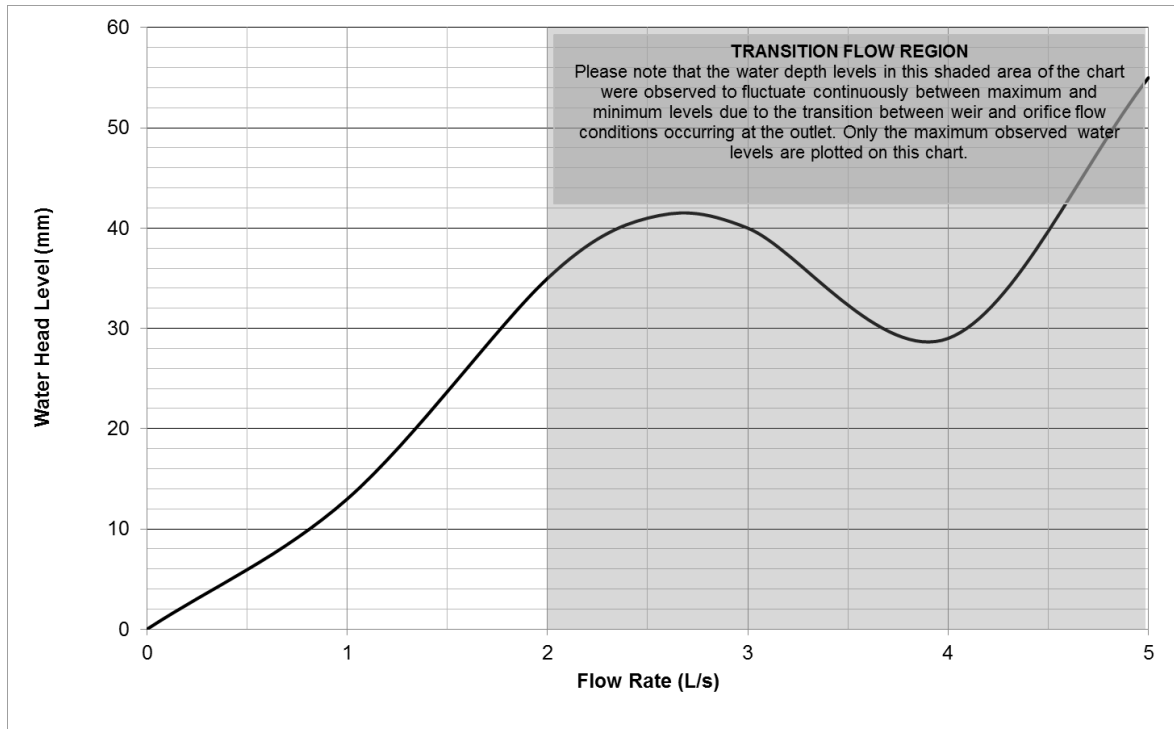


**OUTLET PERFORMANCE CERTIFICATE    ID: SPS006 - Q150SR4**

Test Results		ID: SPS006
<b>Description</b>	SPS Push-in Floor Drain	
<b>Drain Type</b>	150mm Square	
<b>Model</b>	Q150SR4	
<b>Outlet Size</b>	100 NB	
<b>Test Date</b>	08/09/2016	
<b>Grate Drawing</b>	 <p>SPS Catalogue Ref: 2.16</p>	
<b>Housing Drawing</b>	<p>Typical Applications</p> 	
<b>Drain Pipe Configuration</b>	Standard pipe configuration as shown in AHSCA test procedure. 5mm O-ring seal at pipe connection.	

### Flow Characteristic Curve – Q150SR4



Weir flow - 2 L/s (35mm)



Surcharged flow - 3 L/s (40mm)

#### Observation Comments:

- Flow rates from 0-2.0 L/s (35mm Head) produced a linear characteristic curve. At 2.5 - 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- At 4.0 L/s the flow surcharged and stabilised at 30mm head level.
- Flowrates between 5-6 L/s produced surcharged flow conditions with the water head rising steadily and stabilising.
- The maximum flow limit to maintain weir flow conditions is 2.0 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: 16<sup>th</sup> November 2016

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