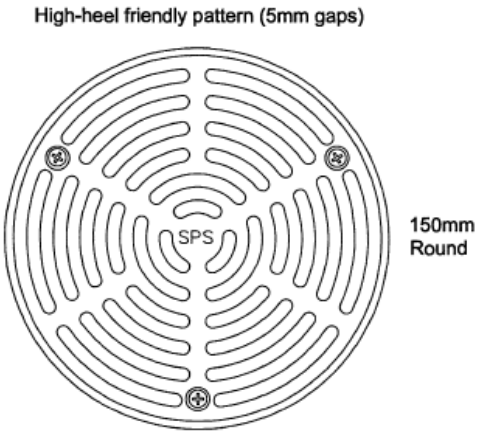
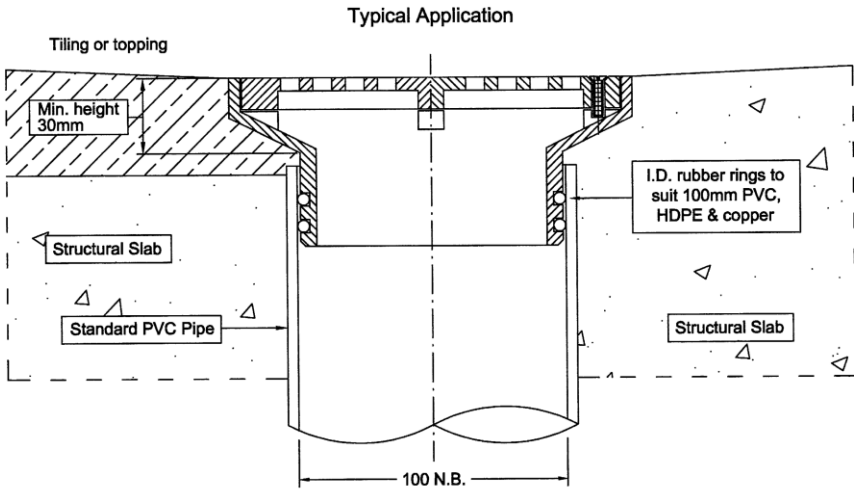
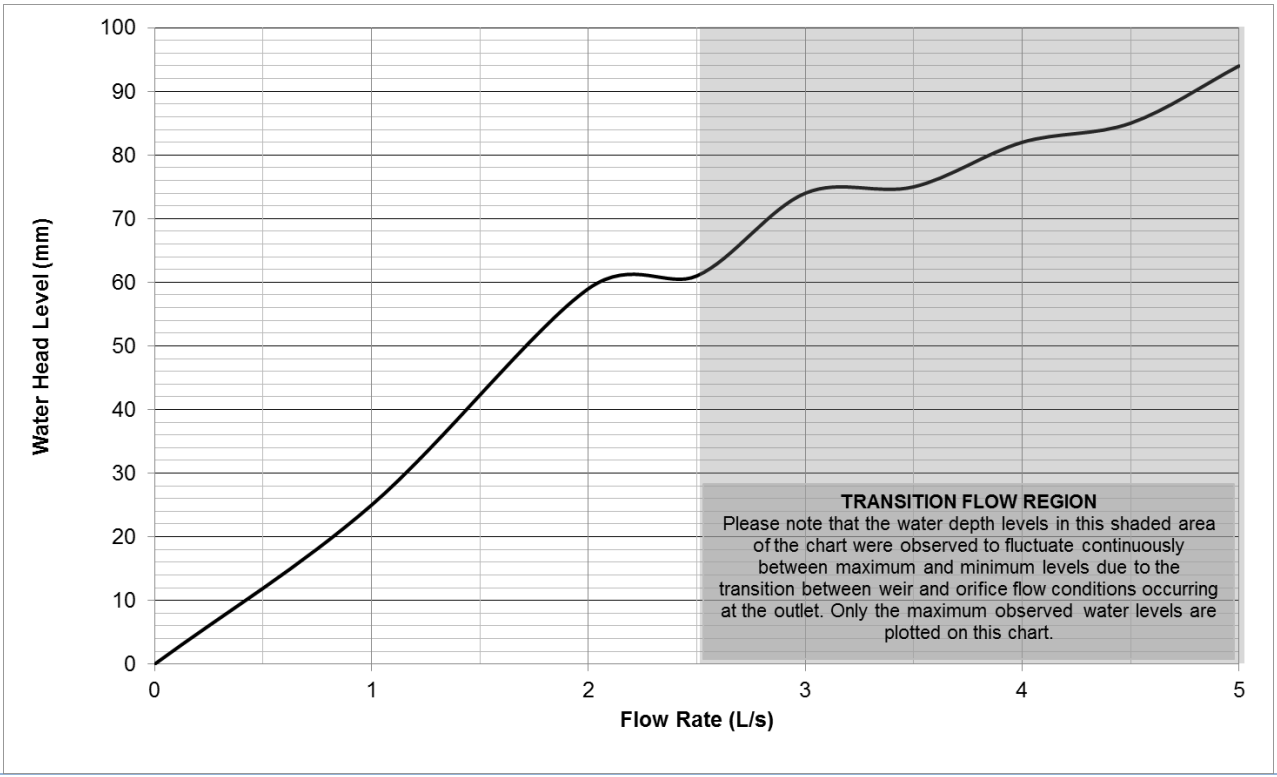
OUTLET PERFORMANCE CERTIFICATE ID: SPS003 - R150SR4

Test Results	ID: SPS003
Description	SPS Push-in Floor Drain
Drain Type	150mm Round
Model	R150SR4
Outlet Size	100 NB
Test Date	01/09/2016
Grate Drawing	 SPS Catalogue Ref: 2.15
Housing Drawing	
Drain Pipe Configuration	Standard pipe configuration as shown in AHSCA test procedure. 5mm O-ring seal at pipe connection.

Flow Characteristic Curve - R150SR4



Weir flow - 1 L/s (25mm)

Surcharged flow – 3 L/s (75mm)

Observation Comments:

- Flow rates from 0-2 L/s (60mm Head) produced a linear characteristic curve. At 2.5 L/s the weir flow transitioned to vortex flow with the head level stabilising at 55-60mm.
- Flow rates from 3-5 L/s the vortex surcharged and transitioned to orifice conditions, characterised by the water level fluctuating 10 -20mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 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:

Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:

Date: 16th November 2016