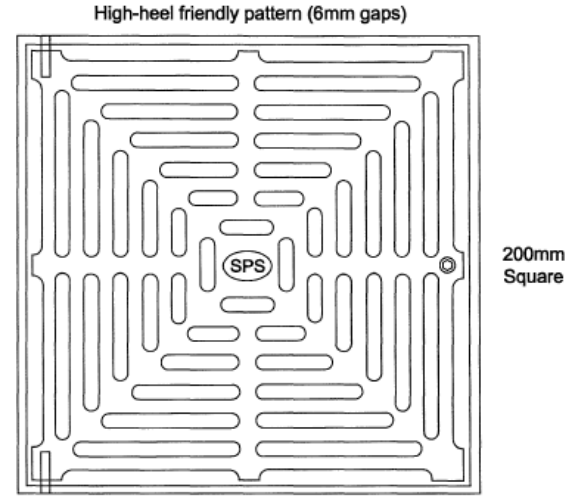
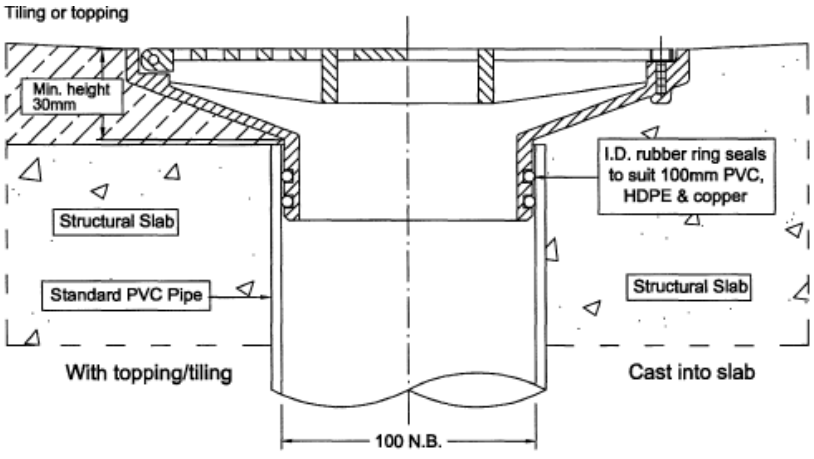
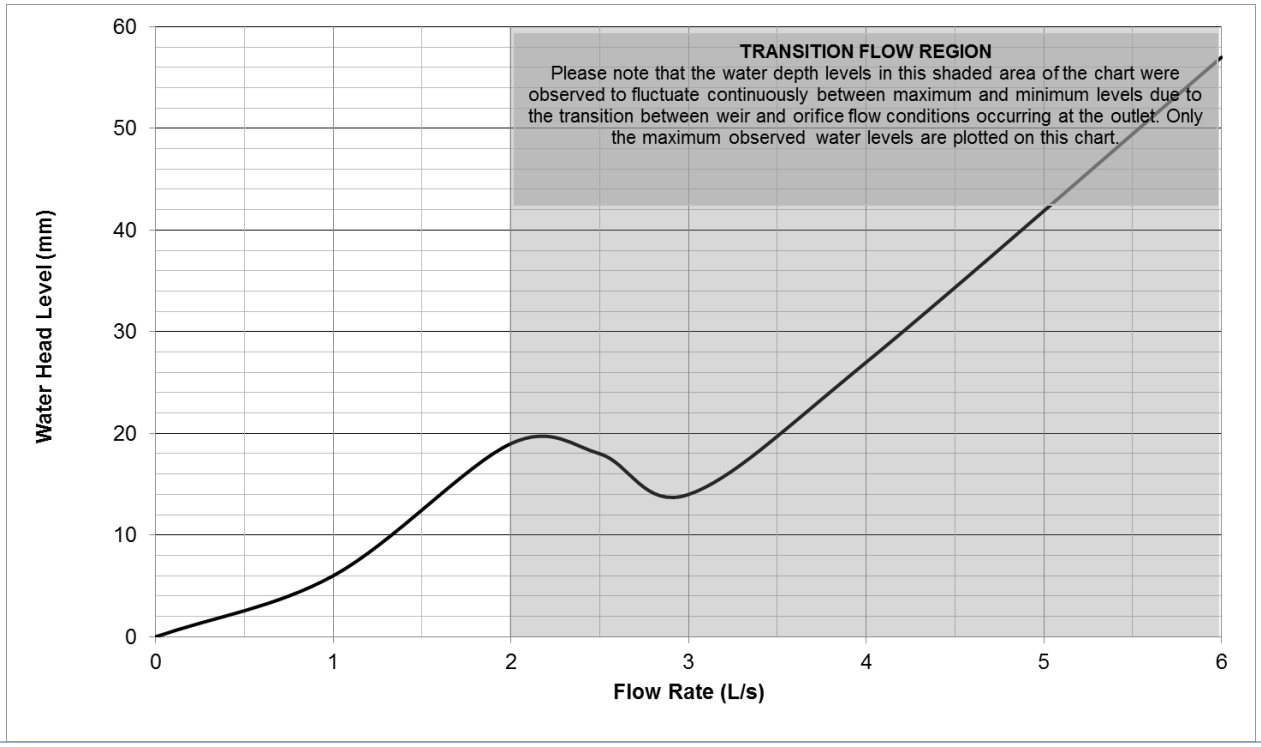
OUTLET PERFORMANCE CERTIFICATE ID: SPS007 – Q200SR4

Test Results	ID: SPS007
Description	SPS Push In Floor Drain
Drain Type	200mm Square
Model	Q200SR4
Outlet Size	100NB
Test Date	19/09/2016
Grate Drawing	 SPS Catalogue Ref: 2.18
Housing Drawing	
Drain Pipe Configuration	Standard pipe configuration as shown in AHSCA test procedure. 5mm O-ring seal at pipe connection.

Flow Characteristic Curve – Q200SR4



Weir Flow – 2 L/s (20mm)

Surcharged Flow 4 L/s (27mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (20mm) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- At 4.0 L/s the flow surcharged .
- Flowrates between 5-8 L/s produced surcharged flow conditions with the water head rising rapidly or fluctuating 40mm with the vertical pipe.
- 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:

Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:

Date: 16th November 2016