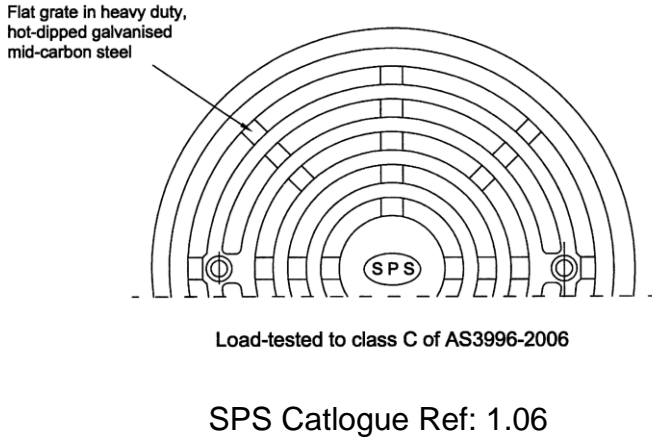
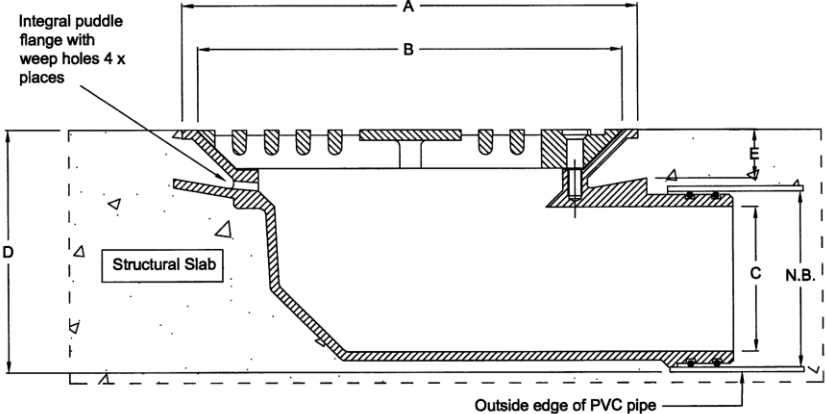
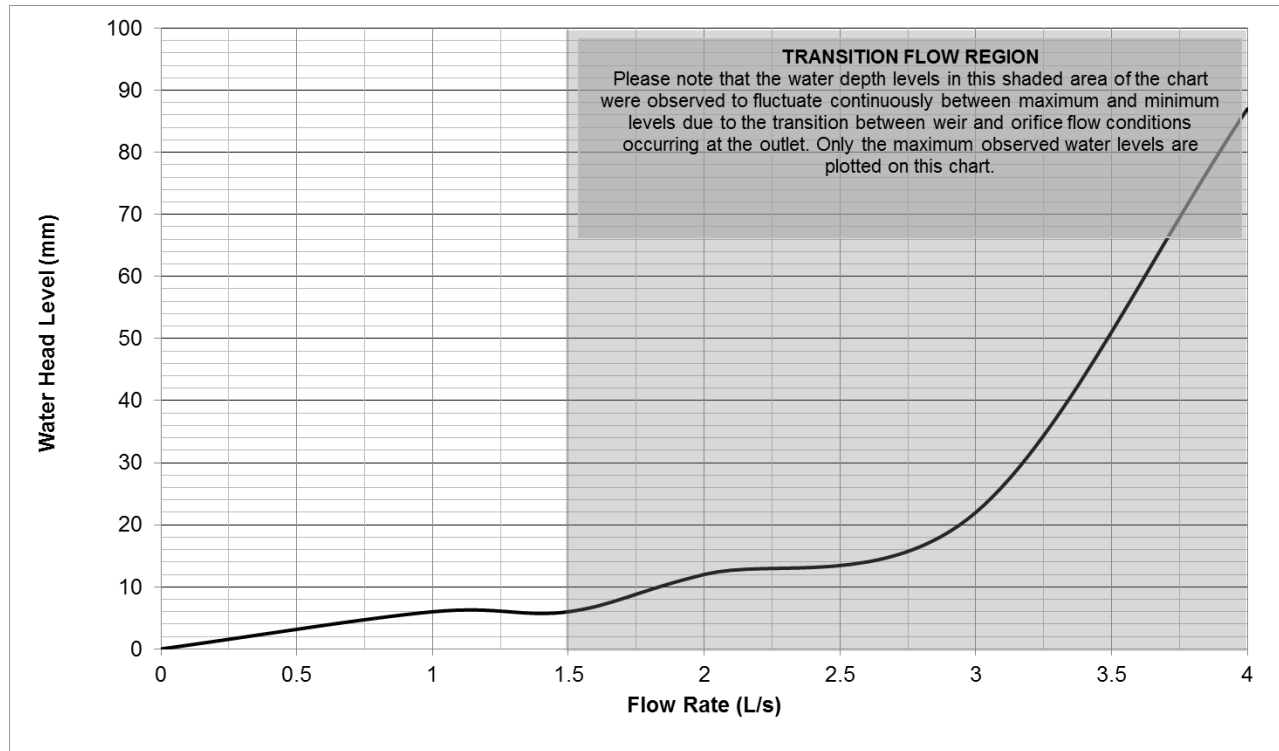


OUTLET PERFORMANCE CERTIFICATE ID: SPS029 - TIA80/90F

Test Results		ID: SPS029
Description	SPS Truflo 90 ⁰ RWO	
Drain Type	Class C Heavy Duty Flat Grate	
Model	TIA80/90F	
Outlet Size	80NB	
Test Date	28/09/2016	
Grate Drawing		
Housing Drawing		
Drain Pipe Configuration	<p>O-ring connection was not possible due to 90 Degree housing outlet close proximity to tank frame. An alternative configuration of open outlet and flexible lay flat hose was utilised.</p>	

Flow Characteristic Curve – TIA80/90F



Weir Flow – 1.5 L/s (6mm)



Surcharged Flow – 3 L/s (22mm)

Observation Comments:

- Flow rates from 0-1.5 L/s (6mm Head) produced a flat characteristic curve with stable water head levels.
- At 2.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 3.0 – 4.0 L/s the flow surcharged with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 1.5 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:



Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016