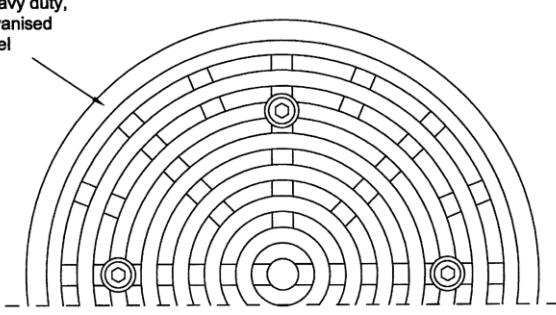
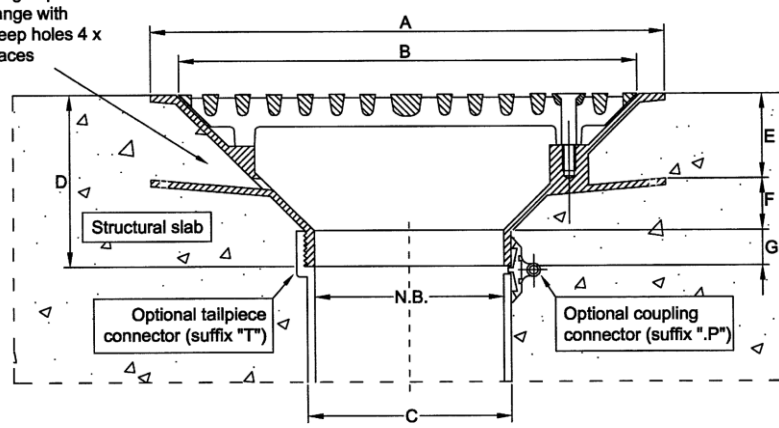
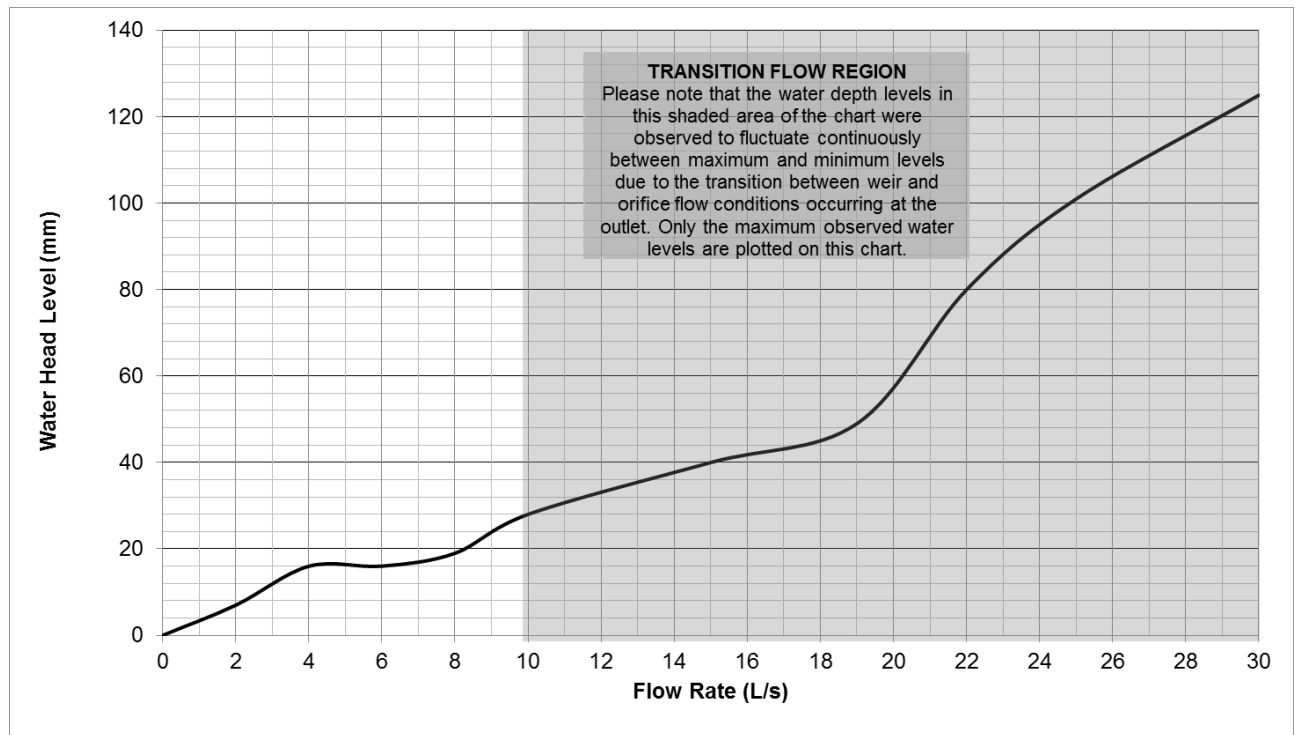


**OUTLET PERFORMANCE CERTIFICATE ID: SPS033 - SIA150F**

| Test Results                    |  | ID: SPS033 |
|---------------------------------|--|------------|
| <b>Description</b>              | SPS Superflo RWO   |            |
| <b>Drain Type</b>               | Class D Heavy Duty Flat Grate  |            |
| <b>Model</b>                    | SIA150F  |            |
| <b>Outlet Size</b>              | 150NB  |            |
| <b>Test Date</b>                | 30/09/2016   |            |
| <b>Grate Drawing</b>            | <p>Flat grate in heavy duty, hot-dipped galvanised mid-carbon steel</p>  <p>Load-tested to class D of AS3996-2006</p> <p>SPS Catalogue Ref: 1.10</p>  |            |
| <b>Housing Drawing</b>          | <p>Integral puddle flange with weep holes 4 x places</p>  <p>Structural slab</p> <p>Optional tailpiece connector (suffix "T")</p> <p>N.B.</p> <p>Optional coupling connector (suffix ".P")</p> |            |
| <b>Drain Pipe Configuration</b> | <p>Standard pipe configuration as shown in AHSCA test procedure.</p> <p>Threaded tail piece connector.</p>   |            |

### Flow Characteristic Curve – SIA150F



Weir Flow 10.0 L/s (25mm)



Surcharged Flow 14 L/s (35mm)

#### Observation Comments:

- Flow rates from 0-10.0 L/s (25mm Head) produced a flat characteristic curve with stable water head levels.
- At 12.0 – L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow, then choking between 14.0-20.0 L/s and the water head rising to 50mm.
- The maximum flow limit to maintain weir flow conditions is 10.0 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: 24<sup>th</sup> January 2017

Date: 24<sup>th</sup> January 2017