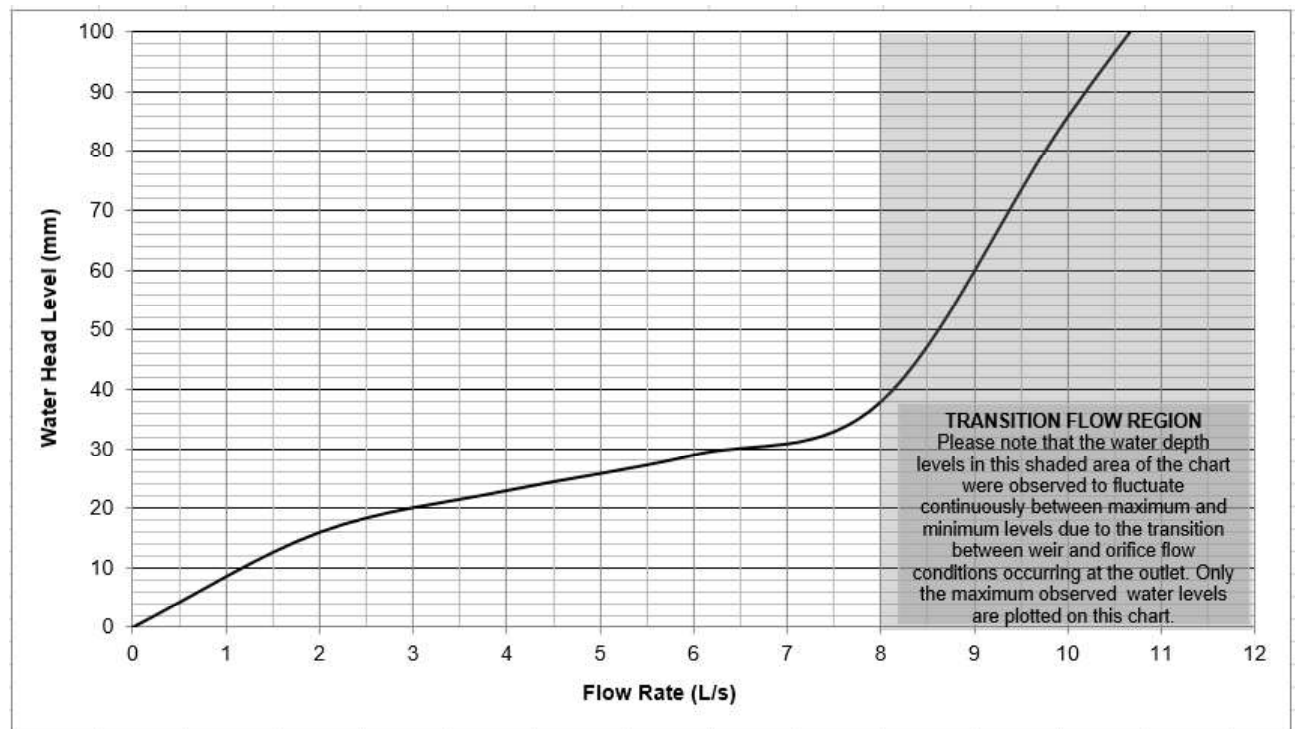


### Flow Characteristic Curve – TIA100D2



Weir Flow 8 L/s (37mm)



Surcharged Flow >12 L/s

#### Observation Comments:

- Flow rates from 0-8.0 L/s (37mm Head) produced a linear characteristic curve with the exception of open outlet which increased water head level rapidly at 8.0 L/s.
- At 10.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- Above 12.0L/s the flow surcharged.
- The maximum flow limit to maintain weir flow conditions is 8.0 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: 7<sup>th</sup> June 2017

Date: 7<sup>th</sup> June 2017