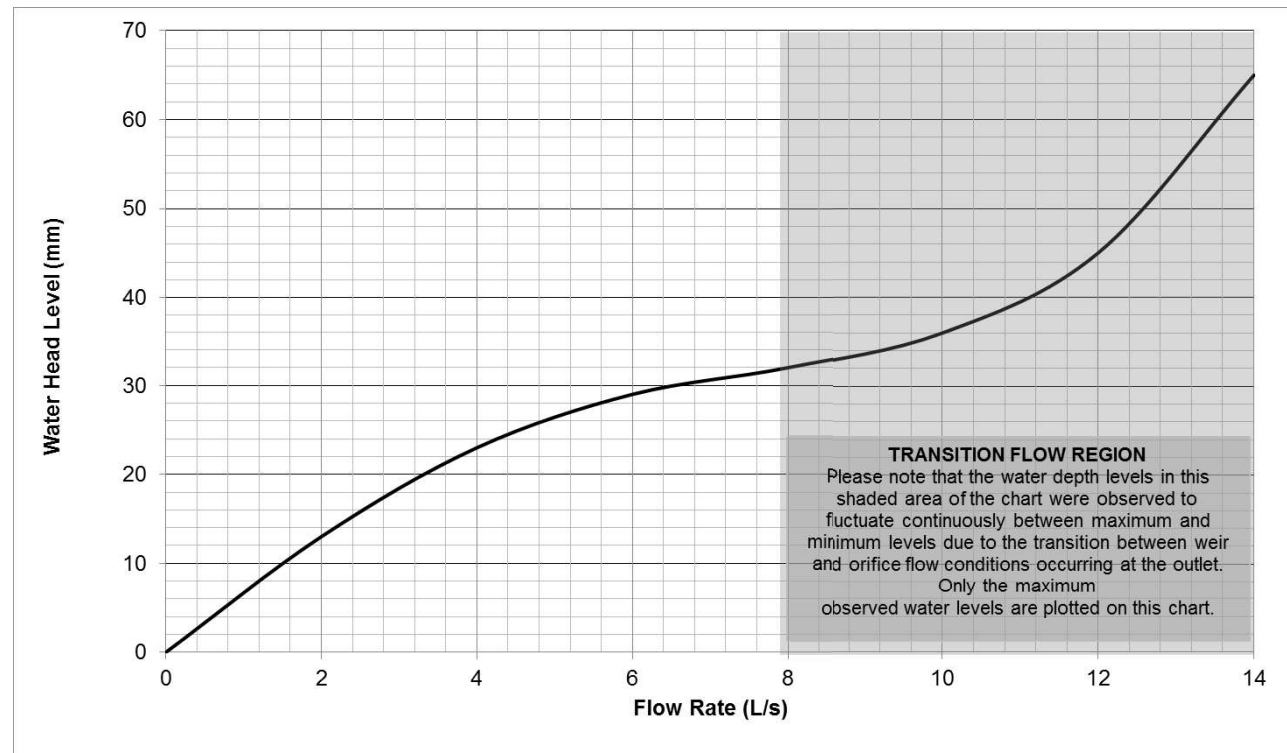


### Flow Characteristic Curve – TIA150D2



Weir Flow – 8 L/s (30mm)



Surcharged Flow – 12 L/s (40mm)

#### Observation Comments:

- Flow rates from 0-8.0 L/s (30mm Head) produced a linear characteristic curve with stable water head levels.
- At 10.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 10.0 – 14.0 L/s the flow surcharged characterised by the water level fluctuating 10 - 20mm.
- 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: 16<sup>th</sup> November 2016

Date: 16<sup>th</sup> November 2016