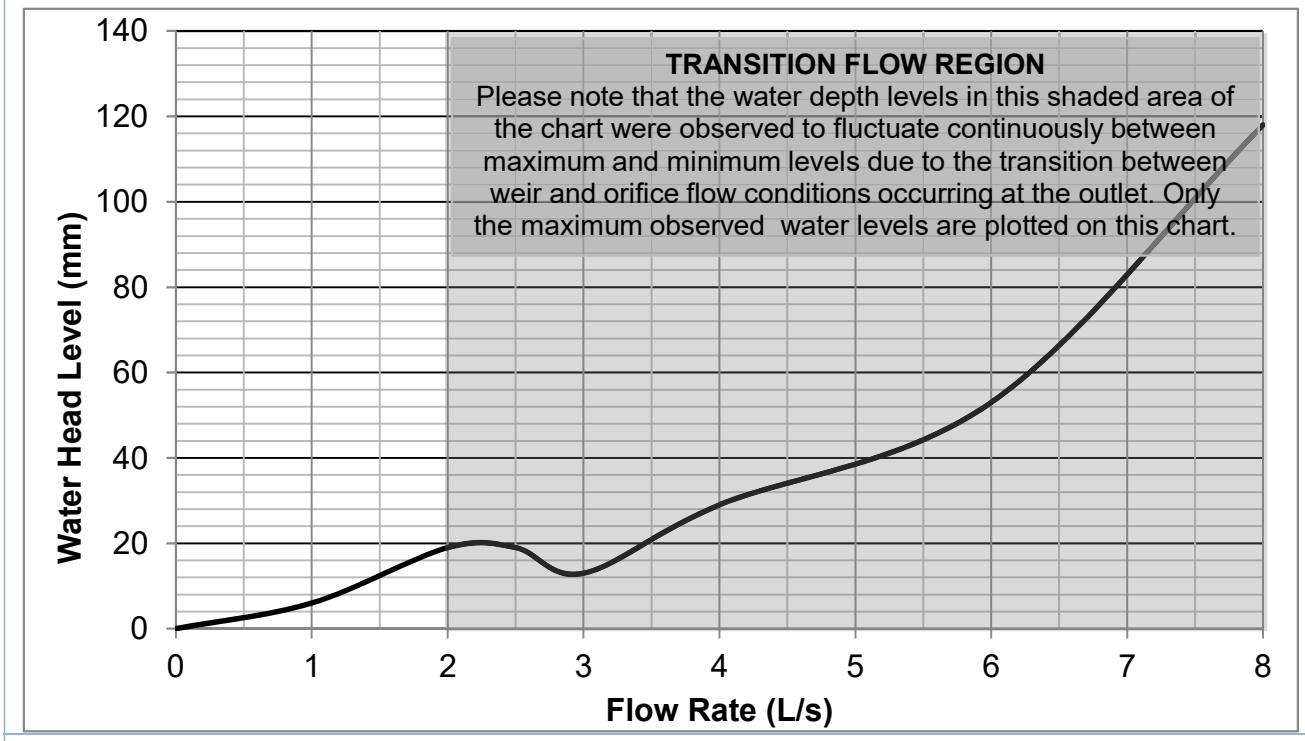
Flow Characteristic Curve – Q200S4/C



Weir Flow – 2.0 L/s (20mm)

Orifice flow – 4.0 L/s (30mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (20mm Head) 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 5.0-8.0 L/s produced surcharged flow conditions with the water head rising rapidly or fluctuating 40 mm 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