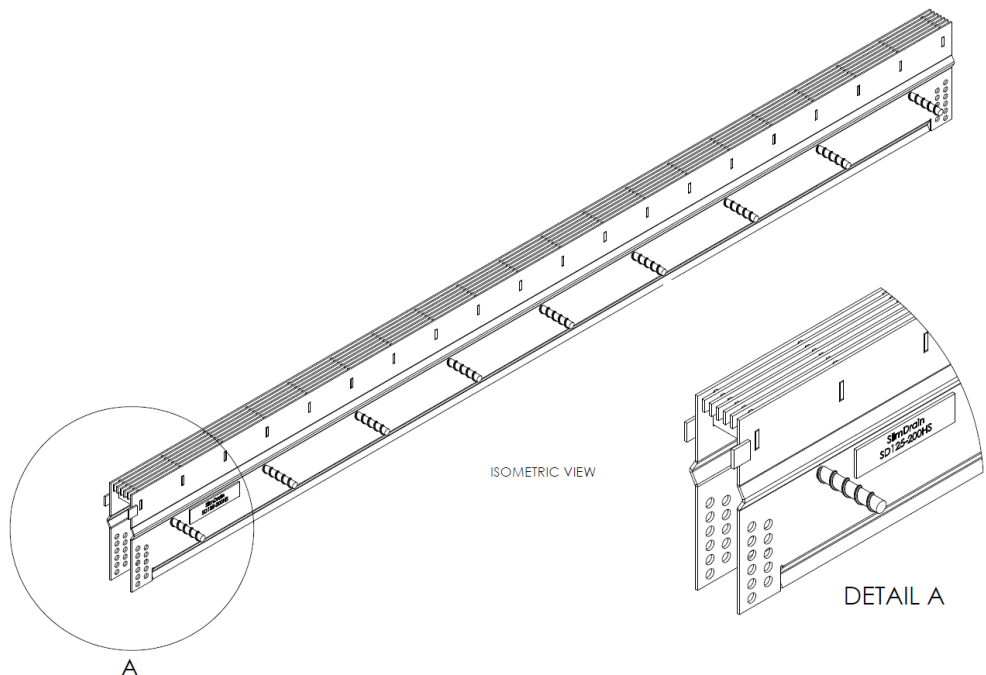
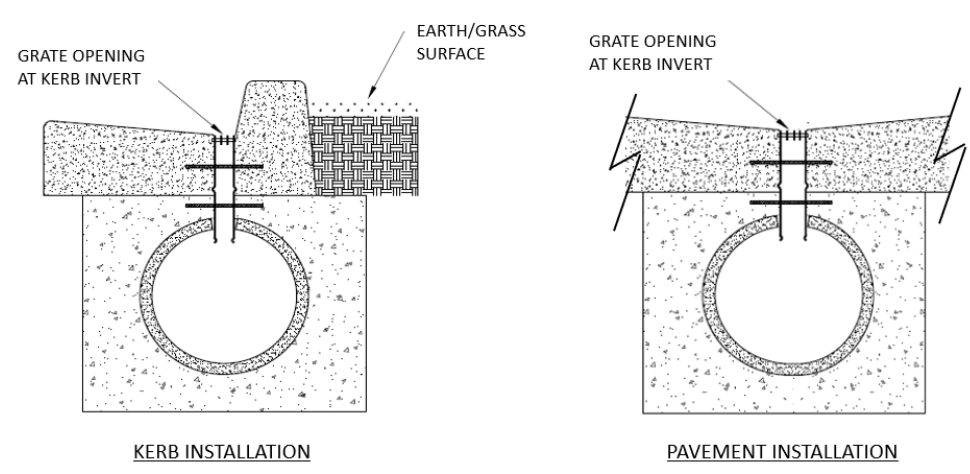
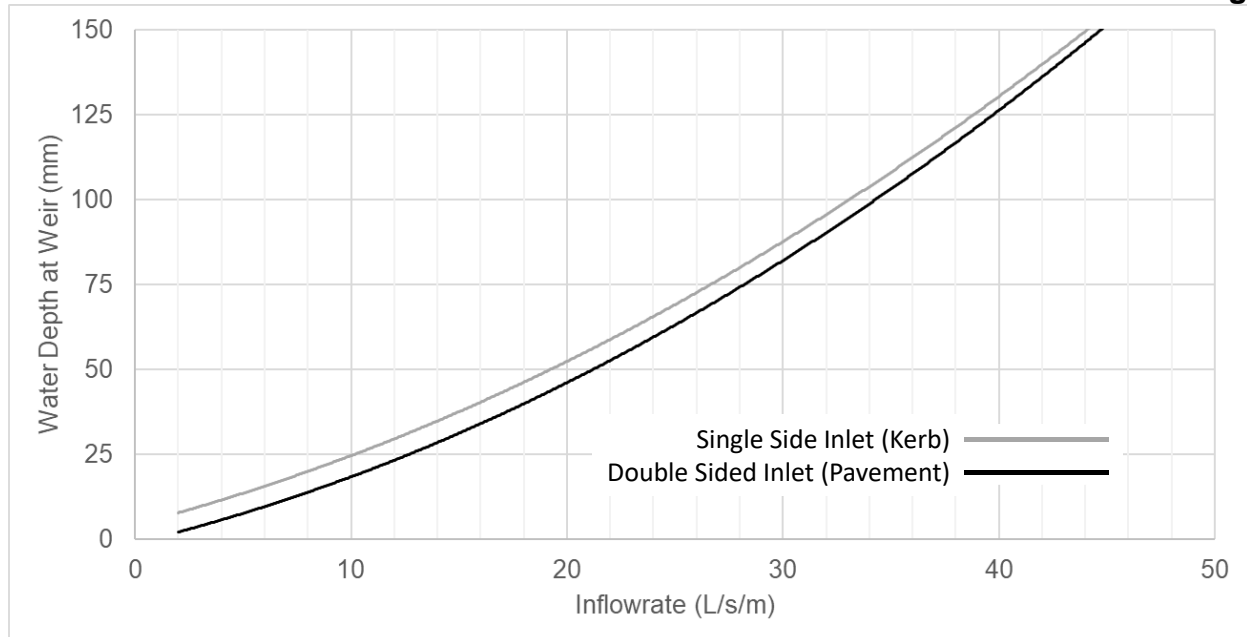


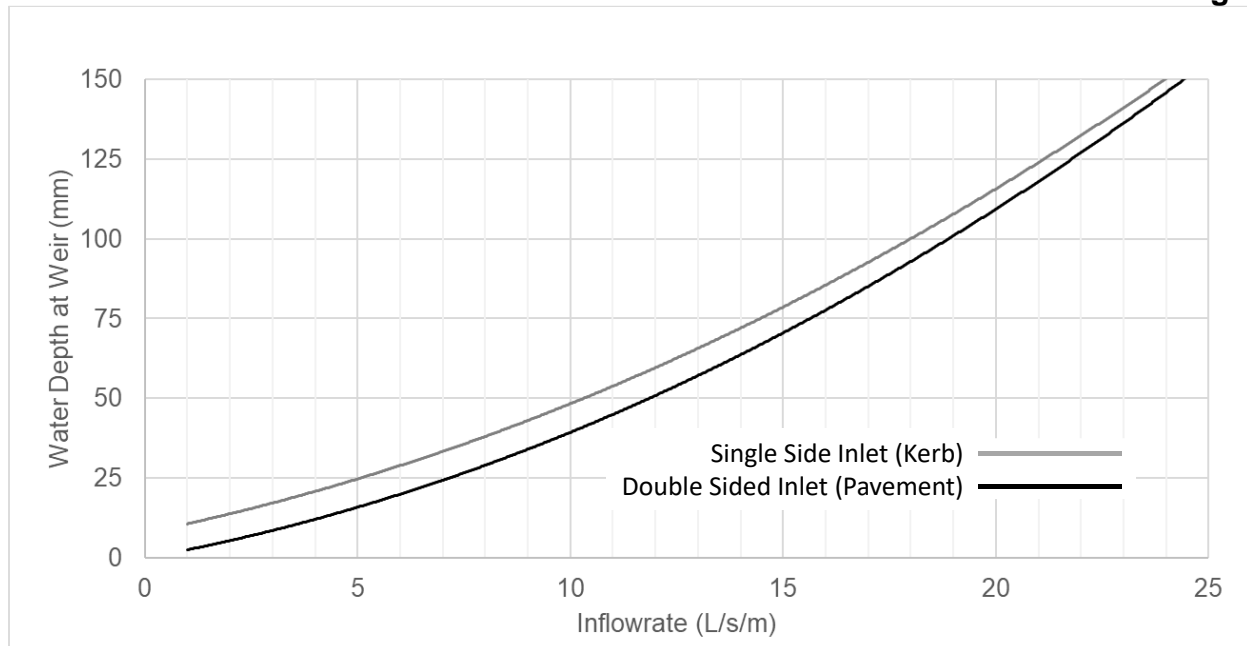
SLIMDRAIN HEEL PROOF GRATE PERFORMANCE CERTIFICATE

Test Results	
Description	SLIMDRAIN - HEEL PROOF GRATE (RCPA)
Drain Type	Longitudinal Road Drainage Grate
Model	SLIMDRAIN - HEEL PROOF GRATE
Outlet Size	180mm Riser Grate Height – 55mm weir opening
Test Date	14/10/2020 Certificate Date: 19/10/2020
Grate Drawing	
Typical Housing Drawing	
Test Grate Configuration	The RCPA SLIMDRAIN - HEEL PROOF GRATE was installed flush with test rig base and the maximum inflow rates (Q) through the Slimdrain weir were measured for different ponding levels (H). Both kerb and pavement installations were simulated in the testing procedure. A 50% blockage factor was also applied and tested.

Flow Characteristic Curve for SLIMDRAIN - HEEL PROOF GRATE with 0% Blockage



Flow Characteristic Curve for SLIMDRAIN - HEEL PROOF GRATE - 50% Blockage



Observation Comments:

- Ponding commenced above grate at inflow rates above 8.0 L/s.
- Inflow capacities were slightly greater for double sided inlet tests than single at the same head.
- Longitudinal gradient and cross-fall did not affect SLIMDRAIN inflow rates

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained as per methods outlined in the report: "Evaluating the Performance of the VSlimDrain Drainage System" August 2018.

Dr Terry Lucke,
 Chief Researcher:
 Date: 17th October 2020



Mark Alexander,
 AHSCA Foundation Chairman:
 Date: 17th October 2020

