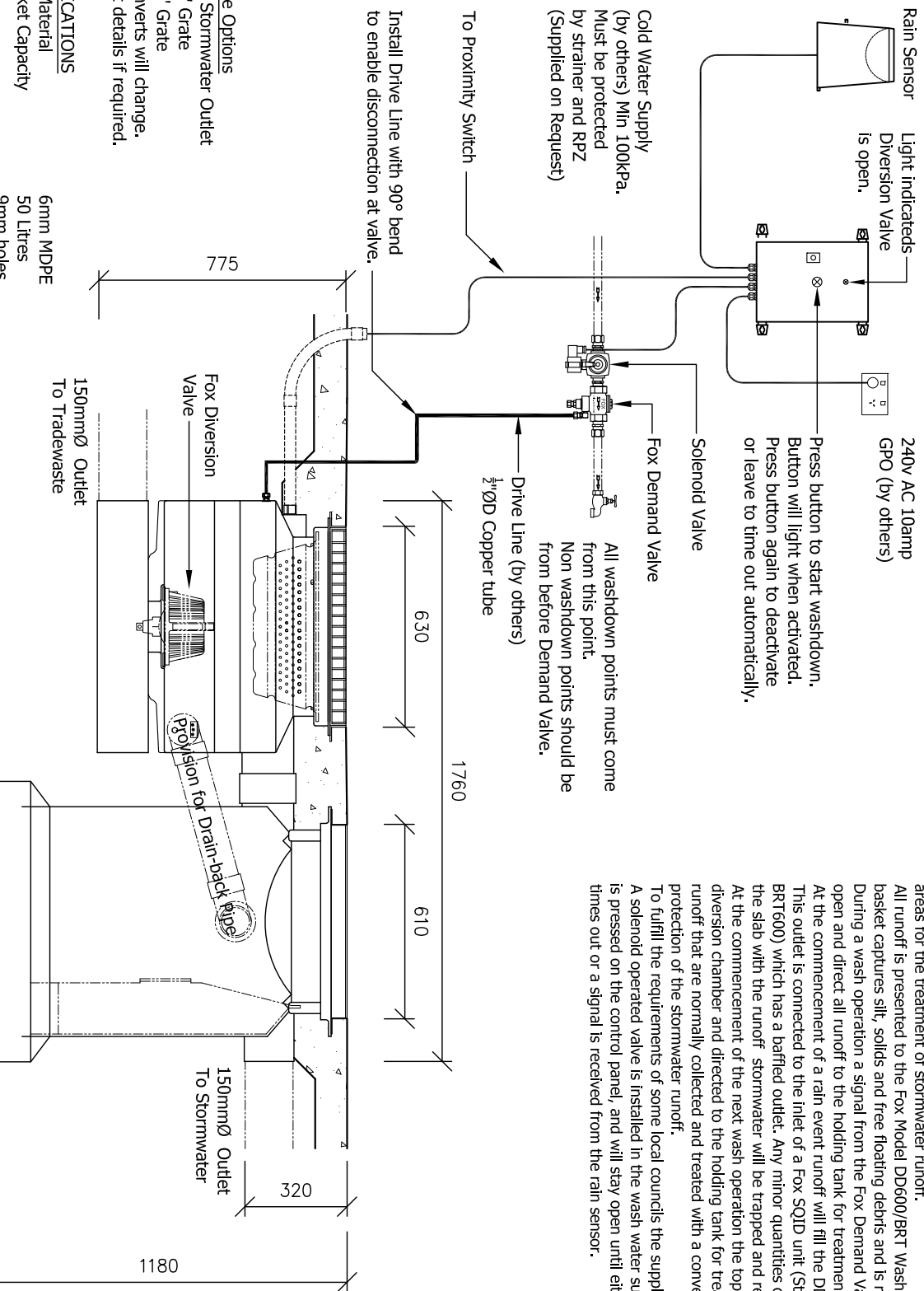


Schematic Detail of DD600/BRT Washdown Shutdown System

Brisbane & Gold Coast City Council Trade Waste Department Approved



Available Options
 225mm Stormwater Outlet
 Class 'C' Grate
 Class 'D' Grate
 Note: Inverts will change. Request details if required.

SPECIFICATIONS
 DD600 Material
 Silt Basket Capacity

Diversion Valve Flow Rate Grate

BRT600 Material
 Cover Plate

6mm MDPE
 50 Litres
 9mm holes

1200l/min @.5m head
 Class B Heavy Duty
 Galvanised

12mm MDPE
 6mm Tread Plate

PROCESS DESCRIPTION

The Fox DD600 is suitable for applications where minor quantities of pollutants can remain at the end of the wash operation, a Fox BRT600 is installed with a Wash Down Shut Down System to capture any free floating hydrocarbons prior to the storm water discharging. These BRT600 units are regularly installed into carparks areas for the treatment of stormwater runoff.

All runoff is presented to the Fox Model DD600/BRT Washdown System through the grated inlet. The silt basket captures silt, solids and free floating debris and is removable for the disposal of captured pollutants. During a wash operation a signal from the Fox Demand Valve will hydraulically activate the Diversion Valve to open and direct all runoff to the holding tank for treatment. When washdown ceases the valve will close.

At the commencement of a rain event runoff will fill the DD600 chamber and leave through the outlet pipe. This outlet is connected to the inlet of a Fox SQID unit (Stormwater Quality Improvement Device - Fox Model BRT600) which has a baffled outlet. Any minor quantities of hydrocarbons or floating debris that are carried off the slab with the runoff stormwater will be trapped and retained behind the baffle.

At the commencement of the next wash operation the top portion of the BRT600 unit will be drained into the diversion chamber and directed to the holding tank for treatment. This system eliminates the larger volumes of runoff that are normally collected and treated with a conventional First Flush System and provides continuous protection of the stormwater runoff.

To fulfill the requirements of some local councils the supply of wash water must be cut off during a rain event. A solenoid operated valve is installed in the wash water supply line. This valve will open when the start button is pressed on the control panel, and will stay open until either the button is pressed again, the one hour timer times out or a signal is received from the rain sensor.



This is a schematic representation only. Slab size and gradient to engineers details as arranged by customer. All plumbing and electrical connections to be installed by certified tradesmen in accordance with relative authorities requirements. Tradesmen to be engaged by the purchaser. System to be approved by relative Local Authorities before Installation.

This Drawing and design is the Property of Fox Environmental Systems Pty Ltd. It must not be used for any other purpose than that for which it was issued.

Project
 System Specifications

Drawing Title
 DD600/BRT/WDS System

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|-------------|--------------|
| Drawn by: | J.F.S |
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