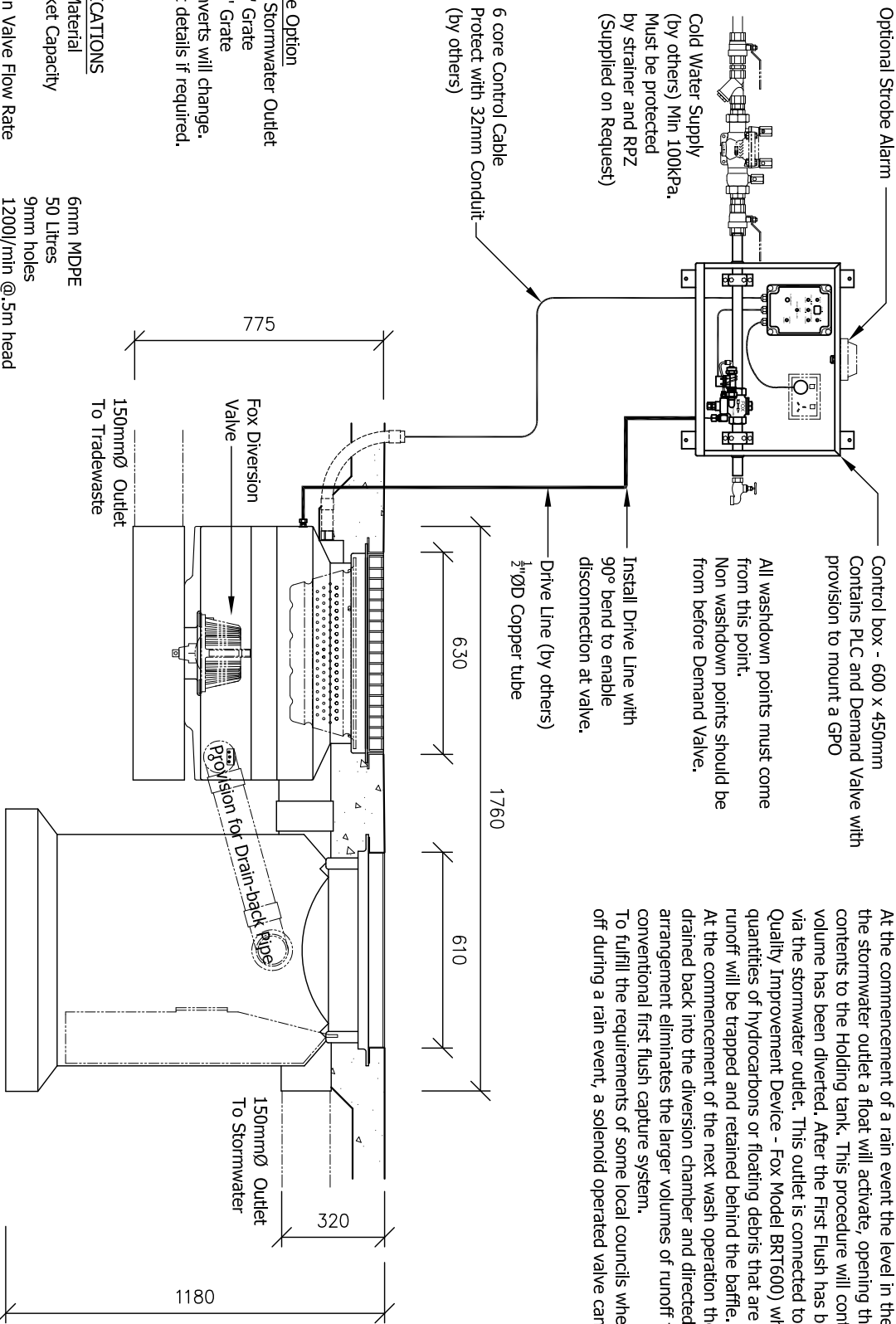


# Schematic Detail of FF600/BRT



**Available Option**  
 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

All washdown points must come from this point. Non washdown points should be from before Demand Valve.

Install Drive Line with 90° bend to enable disconnection at valve.

Drive Line (by others) 2"ØD Copper tube

## PROCESS DESCRIPTION

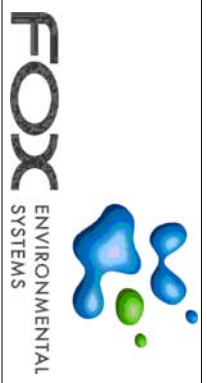
The Fox FF600 is suitable for use where it can not be guaranteed that an area will be left free of contaminants at the end of a washdown operation. Runoff is presented to the Fox FF600 chamber via the grated inlet and silt basket. The silt basket is removable for disposal of captured pollutants.

During a wash operation a signal from the Fox Demand Valve will activate the Diversion Valve and direct all runoff to a holding tank for treatment. When washdown ceases the valve will close.

At the commencement of a rain event the level in the chamber will rise. At a point just below the stormwater outlet a float will activate, opening the diversion valve and diverting the pit contents to the Holding tank. This procedure will continue until the required 'First Flush' volume has been diverted. After the First Flush has been taken the runoff will be discharged via the stormwater outlet. 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 stormwater runoff will be trapped and retained behind the baffle.

At the commencement of the next wash operation the top portion of the SQID unit will be drained back into the diversion chamber and directed to the holding tank for treatment. This arrangement eliminates the larger volumes of runoff that are normally collected with a conventional first flush capture system.

To fulfill the requirements of some local councils where the supply of wash water must be cut off during a rain event, a solenoid operated valve can be installed in the wash water supply.



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.

<b>Project</b>	
<b>System Specifications</b>	
<b>Drawing Title</b>	
<b>FF600/BRT System</b>	

Drawn by:	J.F.S
Date:	16/02/2010
Scale:	1:20
Drawing No:	A4-SPEC-1006