

# Schematic Detail of DD600/BRT System

## SPECIFICATIONS

DD600 Material	6mm MDPE
Silt Basket Capacity	50 Litres
Diversion Valve Flow Rate	9mm holes 1200l/min @.5m head
Grate	Class B Heavy Duty
BRT600 Material	Galvanised 12mm MDPE
Cover Plate	6mm Tread Plate

## Available Options

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

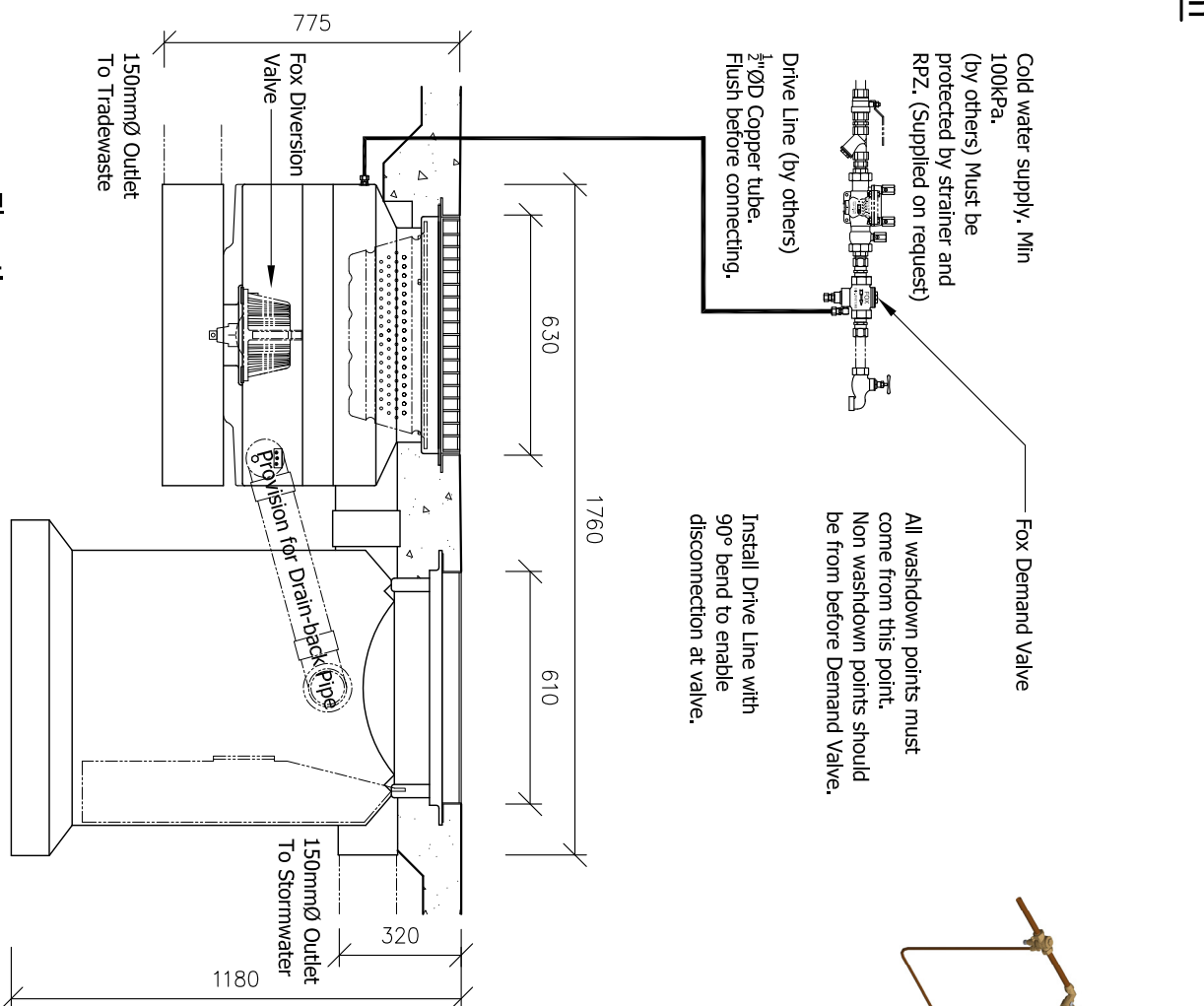
## PROCESS DESCRIPTION

A Fox Model DD600/BRT washdown diversion system is a demand driven diversion unit that is designed for use in a wash area where at the completion of a wash activity minor quantities of pollutants such as oil, silt and other debris may remain. All runoff is presented through the grated inlet of the DD600 where a silt basket captures silt, solids and free floating debris. The silt basket is removable for the disposal of captured pollutants.

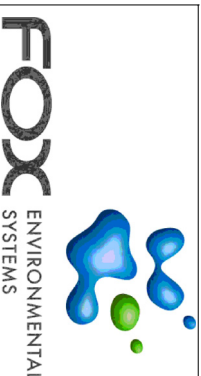
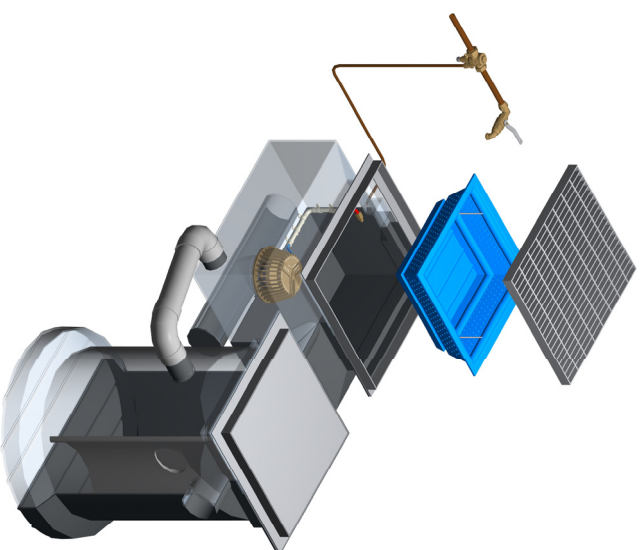
During a wash operation a signal from the Fox Demand Valve will cause the Diversion Valve in the DD600 chamber to activate and direct all runoff to the holding tank for treatment. When washdown ceases the valve will close.

At the commencement of a rain event runoff will fill the DD600 chamber and leave through the stormwater 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 stormwater runoff will be trapped and retained behind the baffle. (Full treatment specifications are available if required).

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 and provides continuous treatment of the stormwater runoff.



**Elevation**



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## Project

### System Specification

## Drawing Title

# DD600/BRT System

Drawn by:	J.F.S
Date:	14/01/2010
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