

### Schematic Detail of FF600 System

## SPECIFICATIONS

Material	0.24" MDPE
Silt Basket Capacity	3.21 Gallons
	0.35" holes
Diversion Valve	317 Gallons/min
Flow Rate	@1" 7.7" head
Grate Class	B Medium Duty
	Galvanised

### Available Options

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Class 'D' Grate (H 20)

Note: Inverts will change.  
Request details if required.

Control Panel available in  
Stainless Steel.

**Calculation Note:**

The working volume is the 'First Flush Capture Volume'.

= Area of Wash Slab (')<sup>2</sup> x First Flush Depth (")

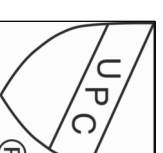
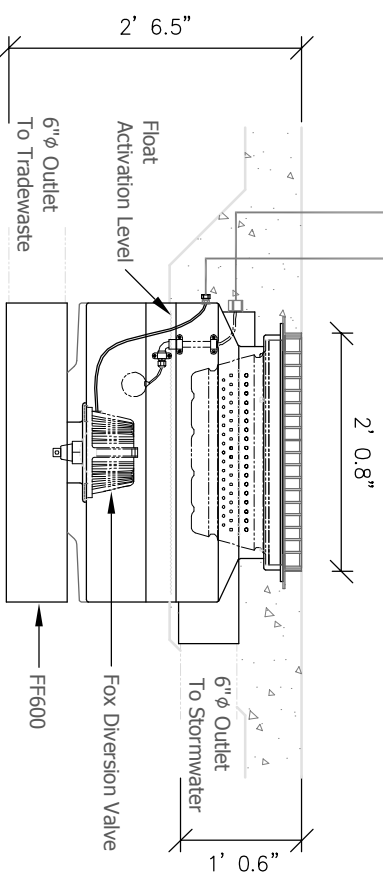
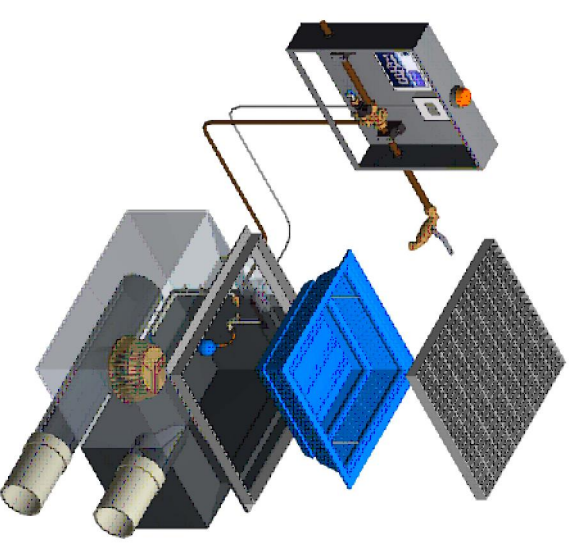
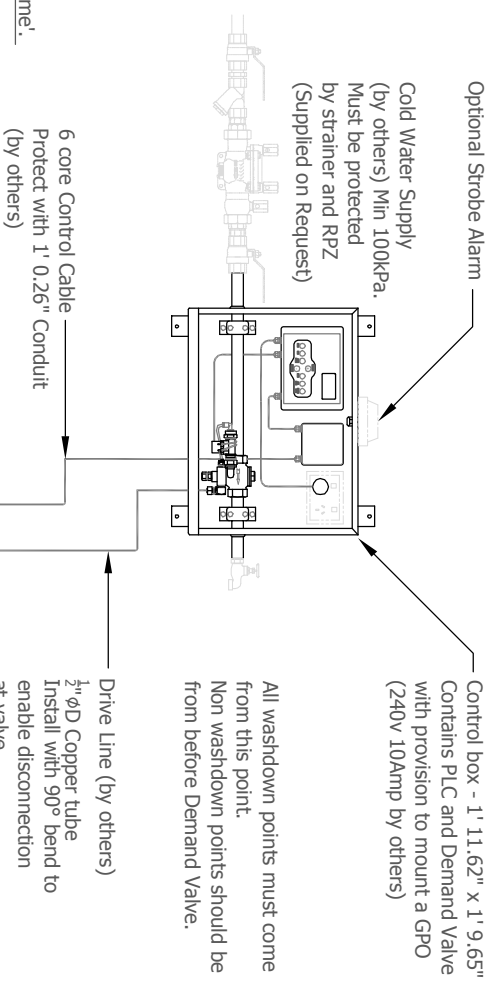
i.e.  $8' 2.43''^2$  area  $\times 0.4''$  depth = 660.43 Gallons.

## 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. During a wash operation all runoff is diverted to a holding tank for treatment or proper disposal.

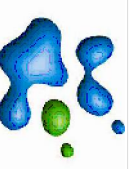
During a rain event if no washdown is taking place, the level in the chamber will rise as the diversion valve is closed. At a point just below the stormwater outlet a float will activate, opening the diversion valve and diverting the pit contents to the Treatment tank. This procedure will continue until the required 'First Flush' volume has been diverted. After the First Flush has been taken discharge of the runoff will be through the stormwater outlet pipe.

This arrangement eliminates the larger volumes of runoff that are normally collected with a conventional First Flush capture system.



IGC 234

**FOX**  
ENVIRONMENTAL  
SYSTEMS



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.

## Project

## System Specifications

Drawing Title

## FF600 System

Drawn by:	J.F.S
Date:	15/01/2010
Scale:	As Specified
Drawing No:	A4-SPEC-1007/2