SIPHON MANIFOLD FRONT SIDE

Manifold - Vacuum Pressure Gauge Siphon Hydraulic Primer

Primer -Vacuum Pressure Gauge

Non Return Valve -Service Portal -(removable)

> Non Return Valve (NRV)

Up-Line Pipe - from intake



250 mm Butterfly Valve

Down-Line Pipe to discharge

> Stainless Steel Manifold

Glass Access Portal - removable

Manifold Drain Valve

SIPHON MANIFOLD

REAR SIDE

Primer Water Supply

Manifold -Water Flush Supply

Down Line Air Vent

Inlet Water Pressure Tank

Pressurised Water Supply



Water Viewing Pipe

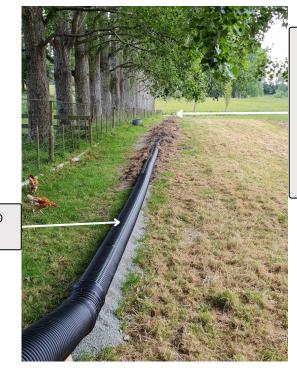
Manifold Air Vent

Up Line Air Vent

Glass Access Portal -(removable)

Water inlet -Valve and Filter

Up Line Pipe



Water intake -4.1m below Manifold

1.4m above river level (at start)

Exactly the same level at both ends at completion

225 mm ID PE Pipe

<u>Down Line Pipe -</u> <u>from Manifold to river bank edge - Later part buried beneath gateway</u>



Pipe buried under gateways

Butterfly Valve

Manifold

<u>Down Line Pipe -</u> <u>from river bank edge to river - Buried</u>

River Level -5.5 m below Manifold (8m maximum)



Pipe buried under gateways