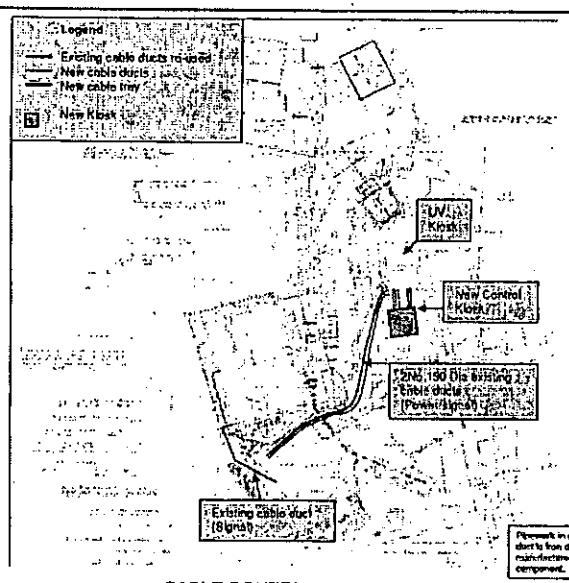
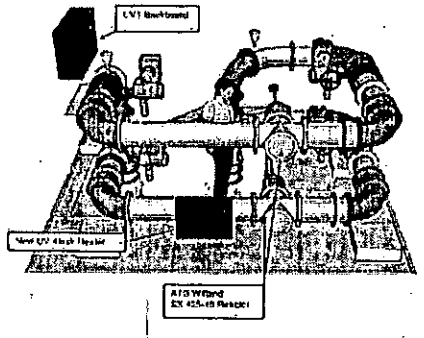
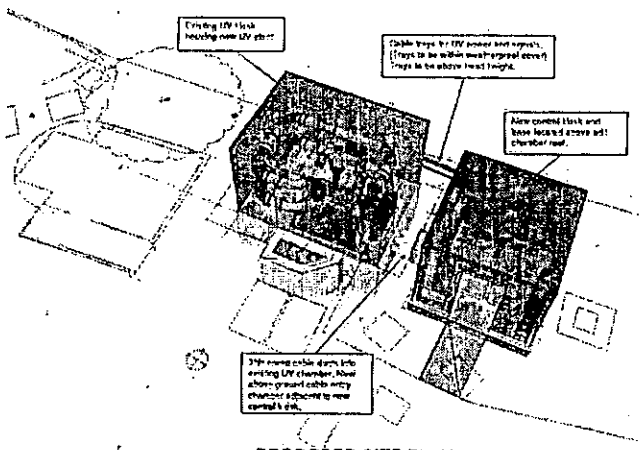


CABLE ROUTES



UV REPLACEMENT (VIEW 2)



PROPOSED SITE PLAN

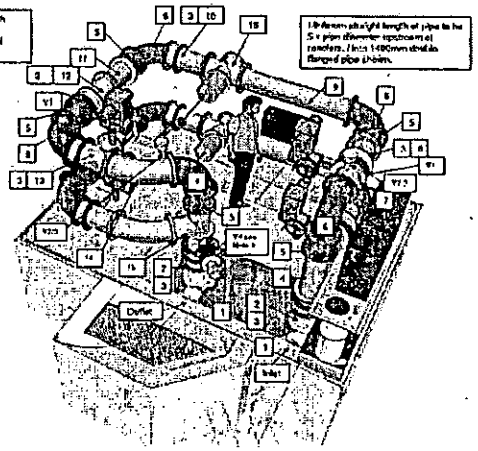
UV KIOSK AND ADIT CHAMBER ROOF

Pipework in and currently shown with dashed lines for dimensions. To be manufactured as one stainless steel component.

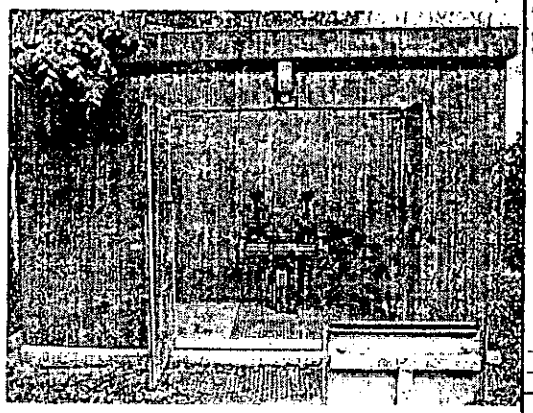
Proposed pipework to have 250mm internal diameter.

Open mesh flooring to be replaced. New flooring to be open mesh from doorway to rear of the kiosk with plates remaining covering to be covered with riveted plate.

Lift down straight length of pipe to be 5 x pipe diameter upstream of reactors. Here 1400mm shown. Flanged pipe shown.



UV REPLACEMENT GA (INTERNAL VIEW)

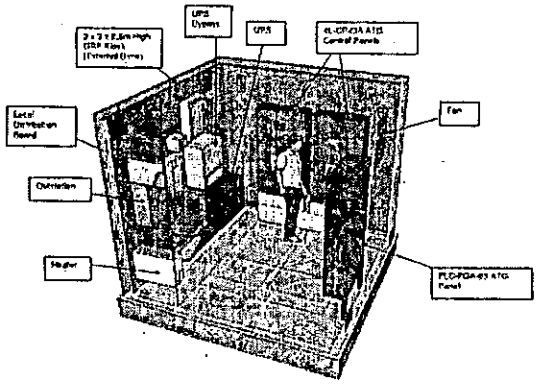


UV KIOSK AND UV PLANT

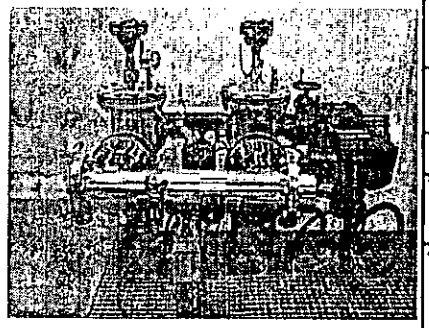
Item No.	Description	Diameter	Quantity	Material	Remarks
1	200 / 250 mm inlet taper	250 / 200	1	DI	
2	1 flange adaptor piece	200	2	DI	300mm long cut to suit.
3	1 flange adaptor piece	200	1	DI	300mm long cut to suit. For inlet to outlet flange adaptor
4	1 flange adaptor piece	200	1	DI	300mm long cut to suit. For inlet to outlet flange adaptor
5	Double flange pipe	200	1	DI/SS	1100 mm long cut to suit.
6	90° Bend	200	4	DI/SS	Drilling to suit inlet and outlet flanges.
7	Double flange pipe	200	1	DI/SS	1100mm long cut to suit. Drilling to suit inlet and outlet flanges.
8	Double flange pipe	200	1	DI/SS	1100mm long cut to suit. Drilling to suit inlet and outlet flanges.
9	1 flange adaptor piece	200	1	DI	300mm long cut to suit.
10	1 flange adaptor piece	200	1	DI/SS	300mm long cut to suit.
11	Double flange pipe	200	1	DI/SS	1100 mm long cut to suit.
12	Double flange pipe	200	1	DI/SS	1100 mm long cut to suit.
13	Double flange pipe	200	1	DI/SS	1100 mm long cut to suit.
14	1 flange adaptor piece	200	1	DI	300mm long cut to suit.
15	1 flange adaptor piece	200	1	DI	300mm long cut to suit.
16	1 flange adaptor piece	200	1	DI	300mm long cut to suit.
17	2 No. Flange	200	2	DI/SS	300mm long cut to suit.
18	Double flange tee (Reversed)	200x150	1	DI	Tee to have one inlet flange, a 90 Bend with flanged outlet and one standard 200 tee and a 150mm branch connected to 150 dia N valve c.w. 21 mm wedge.
19	2 No Wilson Equipment Reactors		2		
V1	Butterfly valve	200	1		
V2	2 no. valve	200	1		
V3	Butterfly valve	200	1		
V4	Ball valve	150	1		Connected to bypass pipework

Pipework schedule to be produced by Sub-contractor.
Other valves and element are (small bore) to be detailed by Sub-contractor.
All dimensions in millimetres.

PIPEWORK SCHEDULE



NEW CONTROL KIOSK



EXISTING UV PLANT TO BE REMOVED

Notes:

1. Do not scale from this drawing.
2. Installation to comply with current Southern Water MEO and CED CESWI 6th standards.
3. The Sub-contractor should confirm if existing site ducts can be utilized.
4. Pipe supports omitted for clarity.
5. Existing sink to be replaced and sized to avoid clash with proposed pipework.
6. Control Kiosk base slab to be designed to span existing adit roof. Design and construction to be undertaken by 4D
7. Existing UV Plant and associated control panels housed within the existing UV Kiosk to be removed.
8. Small bore pipework and valves omitted for clarity.
9. Valve to have blank flange fitted and bauer coupling to be supplied loose.

Rev	Date	Description	By	Chk	Appro
A	27/11/10	First Issue	NMC	KG	MJ

Southern Water

4D

FOR INFORMATION ONLY

ARUNDEL WSW
UV REPLACEMENT

UV REPLACEMENT AND CONTROL KIOSK GENERAL ARRANGEMENT

ARUNDEL WSW	102330
6500142	NTS A3
6500135/S/001	A

ARUN DISTRICT COUNCIL SS/4/10/TC