

Section A - A Typical Section Through Pumping Station Scale 1:25



Section B - B Cross Section Through Pumping Station Scale 1:25

- Covers to be provided/specified by specialist

200Thk Concrete in accordance with 'BGP external concrete specification' Item P.1.8.2. - Designed mix C28/35 air entrained.

1 layer A393 Mesh 65mm nominal cover (top), on 1200g membrane.

250mm Well Compacted Type 1

- (Brush finish in opposite direction to general flow of traffic and 100mm





Galvanised Anchor Point (Provided by manufacturers Spec as part of the anchoring kit) Scale 1:10



Typical Section through Kiosk Scale 1:25

Note	Note
Advantage Pumps to confirm requirements for kiosk,	Pumping station
high level alarm/notification system and M+E	accordance with A
apparatus.	technical data mar
Note	Note

Level, position and gradient of service entries and
connections to Advantage Pumps requirements andTank to be filled with water at same rate as pouring
concrete to avoid floatation in accordance with drawings.

to be installed in comp Advantage Pumps requirements nual.

Advantage Pumps requirements.

No ¹								
Т.	tes:							
1.1	All works to be carried	l out in accord	dance with: CG) and Sewerage	e Sector G	uidance (SSC	G) for all sew	ers	
	proposed to be offered new developments)	for adoption. (r	note - the SSG repl	aces Sewe	ers for Adoptio	on (SfA) for a	all	
1.2 1.3	BS EN 752 - 'Drain and Current applicable Buil	l Sewer Systen ding Regulatior	ns Outside Building ns	s'				
1.4	BGP Specifications							
1.5 2.	Manufacturer installatio	on guidance and esign and Co	d requirements nstruction Guida	nce (DCG) and Sewe	rage Secto	r	
	Guidance (SSG) for al replaces Sewers for A	ll sewers prop doption (SfA)	oosed to be offere for all new deve	ed for add lopments	ption. (note)	- the SSG		
3.	The developer should interference with flow enter the sewer.	e developer should take all neccesary precautions to avoid causing any damage to, or erference with flow in existing sewers and shall ensure that debris, silt, mud etc. do not ter the sewer.						
4.	Where works are to be accordance with "The Water UK. they must a documentation.	nere works are to be carried out on sewers. the contractor must carry out their works in cordance with "The classification and management of confined spaces" published by ater UK. they must also comply with all other relevant health and safety legislation/ cumentation.						
5.	All materials are to be standard specified in t	materials are to be stored in such a manner as to preserve their quality as to the ndard specified in the specification.						
6.	All concrete to be proc it is clean from dirt and	concrete to be produced on site must be mixed with only potable water, to ensure that clean from dirt and contaminants.						
7.	Aggregates for concre PD 6682-1.	etes shall com	ply with the relev	vant provi	sions of BS	EN 12620	and	
8.	Sands for mortar and 6682-3. All other sand and PD 6682-3.	grouts shall b s are to comp	e washed sand, bly with BS EN 12	complying 2620 and	g with BS El PD 6682-1	N 13139 an or BS EN 1	d PD 3139	
9.	Pulverised-fuel ash (P structural concrete sha	FA) for use a all comply wi	s a component n th BS 3892-2 & 3	naterial in 5.	ementitious	grout our i	non	
10.	Virtified clay pipes and foul sewers and surfac EN295 and BS65 (Su	d fittings for so ce water sewe face water pi	ewers shall have ers shall comply pes only).	flexible n with the re	nechanical je elevant requ	oints. Pipes iirements o	for f BS	
11.	Pre-cast concrete mar wet wells shall comply	nhole units of with the rele	circular cross se vant provisions c	ction for r f BS EN	nanholes, c 1917 and BS	hambers ar S 5911-3.	nd	
12.	Ladders for manholes Class A and PD 970.	in a vertical p	plane are to be m	ild steel	and comply	with BS42	11,	
13.	GRP ladders shall be glass-reinforced polye reinforcement shall be	manufactured ster using an provided in t	d in accordance v appropriate resi he GRP matrix to	vith BS E n for the o maximis	N 131, and ladder locati e strength.	from ion. Unidire	ction	
14.	Manhole covers and fr 7903 and Highways A non-rocking design wh	ames shall co gency guidai hich do not re	omply with the re nce document H/ ly on the use of c	levant pro A 104/02. sushion in	ovisions of E They shall I serts.	3S EN 124, be of a	BS	
15.	Clay bricks to be used complying to BS 3921	l within manho	oles are to be so	id, Class	B Engineer	ing bricks		
16. 17.	All bricks shall be fros Standard concrete mix shall be used with a 20	t resistant cat kes should be 0mm nominal	tegory F. e in accordance w maximum size c	vith BS El of aggrega	N 206-1 and ate and a slu	BS 8500 a ump class c	ind of S2	
18.	GEN1 concrete to be	used for; filling	gs, blindings, sof	t spots ar	nd drainage	slumps. GB	EN3	
19.	Admixtures (including	calcium chlor	ride and pigment	s) shall ne	ot be used ir	n the produ	ction	
20.	of concrete. High strength concrete the relevant provisions shall be used: 1part ce	of concrete. High strength concrete topping shall be produced, laid and finished in accordance with the relevant provisions of BS 8204: part 2 and the following approximate mix proportions shall be used: 1part cement, 1part natural sand and 2parts single-sized coarse						
21.	aggregate. All mortar mixes shall	be in accorda	ance with BS 562	8-1:2005				
22. De	All pipes to be either e "UPONOR ULTRARIE same material and ma sign Notes	extra strength 3" or Concrete anufacturer th	VC to BS 65 or I pipes to class 1 roughout (where	PVC to B 20. The c feasible)	S 4660 or B contractor sh	S 5481 nould use th	ne	
<u>-ou</u> 1.	The outfall manho 82.175m AOD at a subject to final pur	le for the p distance of ping station	oumped main approximately position.	s FW00 104.3m	with an i Length of	nvert leve rising ma	el of in is	
2.	2 nr. identical subm to pump water at a	nersible pum rate to be c	np units arrange onfirmed by ma	ed in a di Inufactui	uty/standby er.	/ configura	ation	
	Access requireme	ents for m	aintenance to	be co	nfirmed b	w the n		
3.	manufacturer.					y the p	ump	
3. 4.	A service contract	is to be a	rranged with a	ı suitabl	e contracto	or for <u>g</u> er	ump neral	
3. 4.	A service contract maintenance and fo	is to be a premergenc	rranged with a cy response in t	i suitabl he even	e contracto t of failure.	or for ger	ump neral	
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1 no. 110mm duct for Power Supply 2 no. 110mm ducts to Pump Chamber

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