

	- DO NOT SCALE -						
NC	otes						
1.	For clauses refer to Sewers for Adoption 7th Edition.						
2.	The developer should take all neccesary precautions to avoid causing any damage to interference with flow in existing sewers and shall ensure that debris, silt, mud etc. do enter the sewer.						
3.	Where works are to be carried out on sewers. the contractor must carry out thei accordance with "The classification and management of confined spaces" put Water UK. they must also comply with all other relevant health and safety le documentation.						
4.	All materials are to be stored in such a manner as to preserve their quality as to standard specified in the specification.						
5.	All concrete to be produced on site must be mixed with only potable water, to ensure is clean from dirt and contaminants.						
6.	Aggregates for concretes shall comply with the relevant provisions of BS EN 12620 and 6682-1.						
7.	Sands for mortar and grouts shall be washed sand, complying with BS EN 13139 and 6682-3. All other sands are to comply with BS EN 12620 and PD 6682-1 or BS EN 13 and PD 6682-3.						
8.	Pulverised-fuel ash (PFA) for use as a component material in ementitious grout our structural concrete shall comply with BS 3892-2 & 3.						
9.	Virtified clay pipes and fittings for sewers shall have flexible mechanical joints. Pipes for sewers and surface water sewers shall comply with the relevant requirements of BS EI and BS65 (Surface water pipes only).						
10.	Pre-cast concrete manhole units of circular cross section for manholes, chambers ar wells shall comply with the relevant provisions of BS EN 1917 and BS 5911-3.						
11.	Ladders for manholes in a vertical plane are to be mild steel and comply with BS4 Class A and PD 970.						
12.	GRP ladders shall be manufactured in accordance with BS EN 131, and glass-reinforced polyester using an appropriate resin for the ladder location. Unidire reinforcement shall be provided in the GRP matrix to maximise strength.						
13.	Manhole covers and frames shall comply with the relevant provisions of BS EN 124 7903 and Highways Agency guidance document HA 104/02. They shall be of a non-root design which do not rely on the use of cushion inserts.						
14.	Clay bricks to be used within manholes are to be solid, Class B Engineering b complying to BS 3921.						
15.	All bricks shall be frost resistant category F.						
16.	Standard concrete mixes should be in accordance with BS EN 206-1 and BS 8500 and be used with a 20mm nominal maximum size of aggregate and a slump class of S2 target of 70mm.						
17.	GEN1 concrete to be used for; fillings, blindings, soft spots and drainage slumps. G concrete to be used for; all other applications. U.N.O.						
18.	Admixtures (including calcium chloride and pigments) shall not be used in the productic concrete.						
	High strength concrete topping shall be produced, laid and finished in accordance with relevant provisions of BS 8204: part 2 and the following approximate mix proportions be used: 1part cement, 1part natural sand and 2parts single-sized coarse aggregate.						
19.	be used: 1part cement, 1part natural sand and 2parts single-sized coarse aggregate.						
	be used: 1part cement, 1part natural sand and 2parts single-sized coarse aggregate. All mortar mixes shall be in accordance with BS 5628-1:2005.						
20.							

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Hub -	- 410		1	A1		As Noted		52	P	°03
-	Date	Checked	Date	Siz	ze S	Scale		Class.	R	lev
Drawing 1	Γ <b>itle</b> Flow Control Ν	1anhole (S7`	)							
Project Cleator Moor Innovation Quarter						Project No. 21T2034				
-	and Borough C	council								
	-	RUCTURAL on House, V	•	S   BU urt, Ste	ILDIN ocktor	IG S n-on	URVI -Tees	EYORS 5, TS18 3		k
	es where this drawing duct has been valida									
R	lev P = Preliminar	y T = Tender	C = Construction	LCI =	Last Co	onstru	uction I	ssue		
AMENDMENT					REV	СН	IK	DAT	E	
Issued for Stage 4					P01	JC	;	14.06.	2023	3
	Issued for Stage 4					JC	;	13.09.	2024	4
Issued fo				JJH	P03	JC		20.09	2024	4