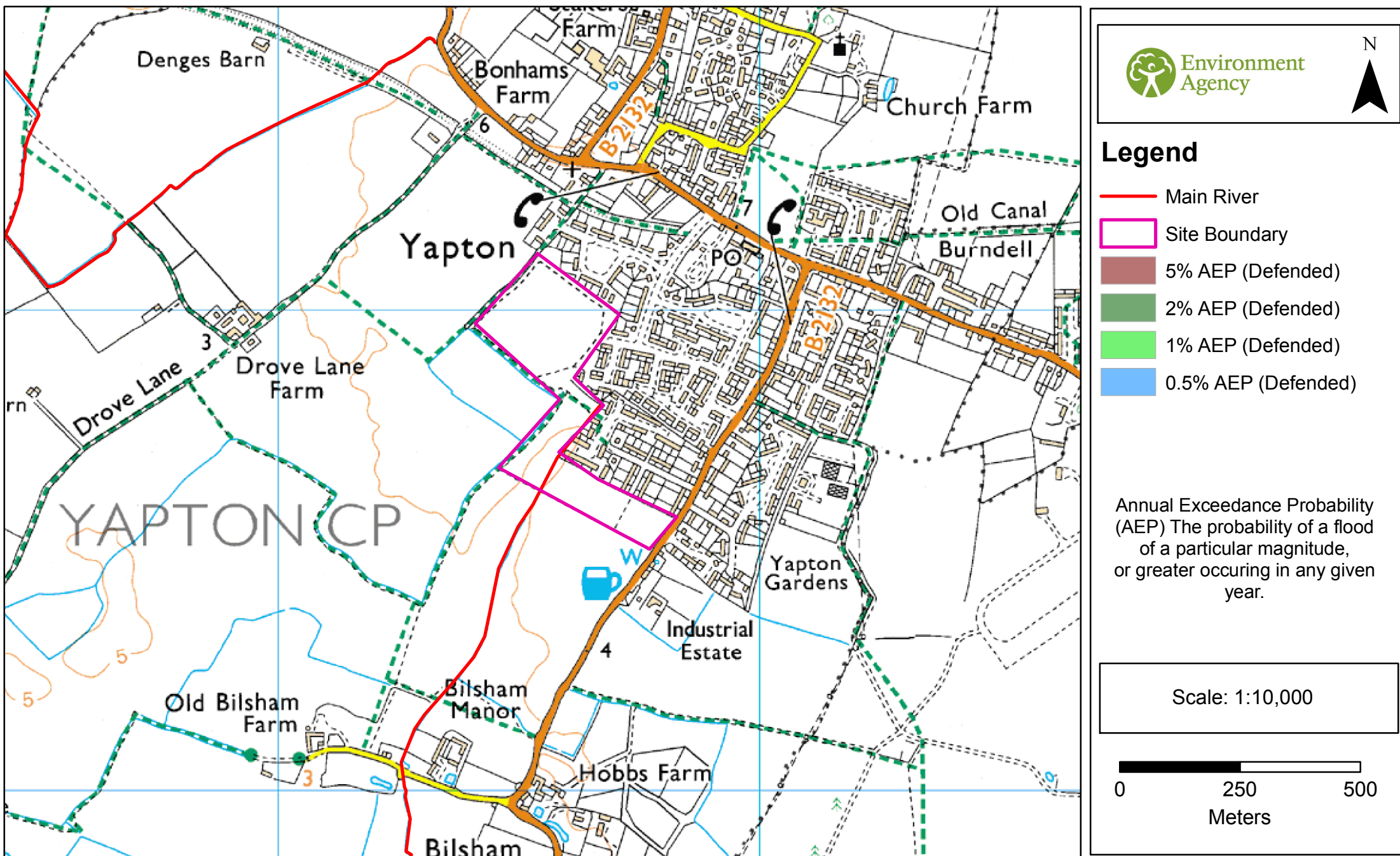


1. Modelled Defended Tidal Flood Extent Map centred on 14-111 Bilsham Road, Yapton, Arundel, BN18 0LE. Created 21/12/2015 (Ref: SSD 7679)

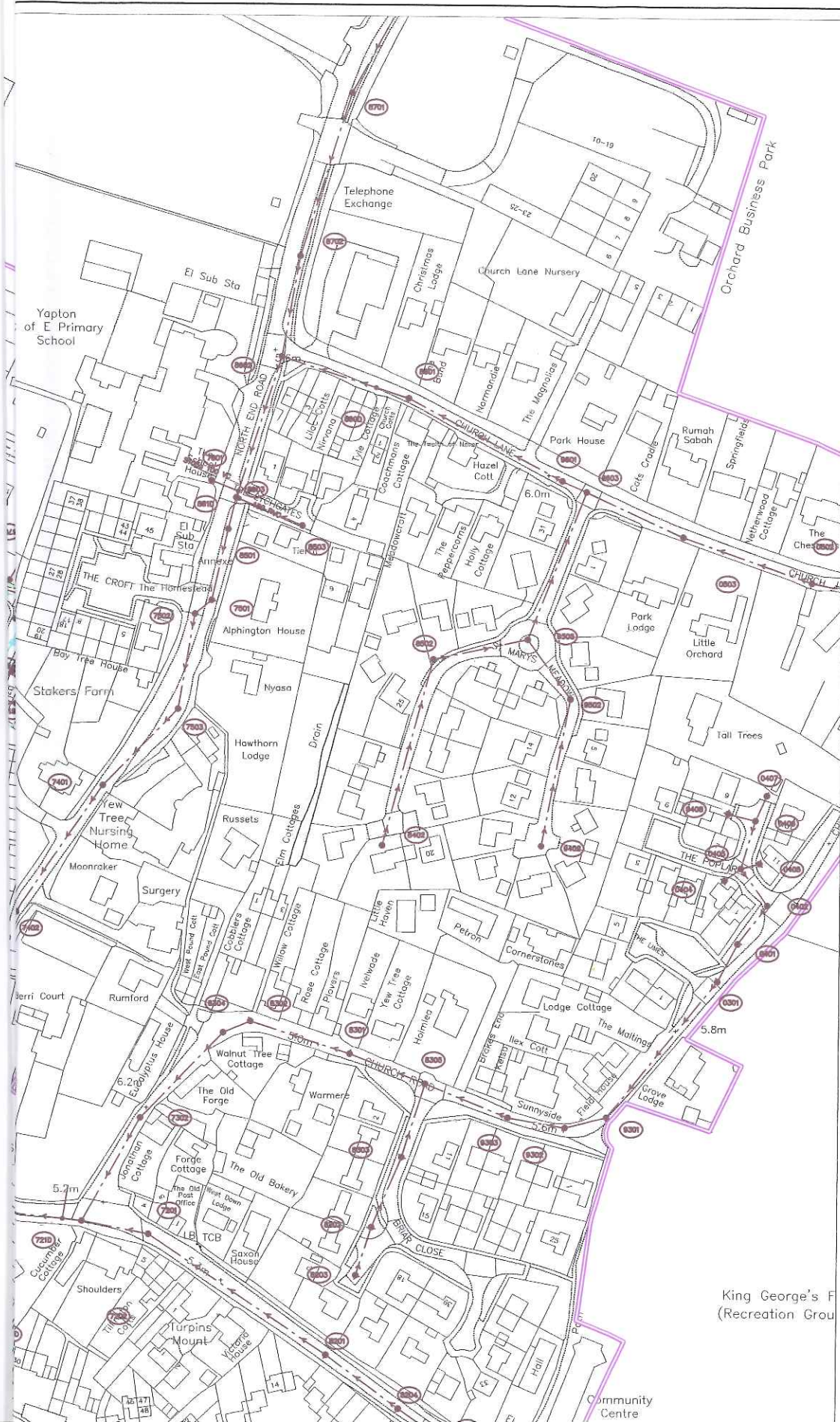


APPENDIX G

Southern Water Services Ltd (SWSL) Records



SEWER RECORDS



Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert
0003X			150	VC	CIRC	8703X		
0004X			150	VC	CIRC	8704X		
0101X	6.13	2.98	350	PF	CIRC	8706X		
0301X	5.67	4.49	175	VC	CIRC	8707X		
0401X	5.92	4.58	150	VC	CIRC	8708X		
0402X	5.8	5.03	150	VC	CIRC	8709X		
0403X	6.32	5.24	150	VC	CIRC	870DX		
0404X	6.46	5.42	150	VC	CIRC	870PX	6.35	6.34
0405X	6.55	5.38	150	VC	CIRC	8711X		
0406X	6.72	5.55	150	VC	CIRC	8712X		
0407X	7.03	5.69	150	VC	CIRC	8750X	6.17	5.04
0408X	6.82	5.6	150	VC	CIRC	878DX		
0502X	5.86	4.41	175	VC	CIRC	8801X		
0503X	5.99		175	VC	CIRC	8802X		
0702X			UNK	UNK	CIRC	8803X		
0703X			100	VC	CIRC	8901X		
0704X			100	VC	CIRC	9001X		
0705X			100	VC	CIRC	9002X		
0706X			100	VC	CIRC	9101X	6.61	3.01
0707X			100	VC	CIRC	9102X	3.22	-0.06
0708X			100	VC	CIRC	9301X	5.53	4.18
0801X	6.25	4.12	225	VC	CIRC	9302X	5.56	4.18
0804X	7.47	4.43	175	VC	CIRC	9303X	5.54	4.08
0901X	6.53	3.91	225	VC	CIRC	9402X	6.999	5.79
0902X	6.5	3.9	225	VC	CIRC	9501X	6.25	4.27
0903X	6.23	3.79	225	VC	CIRC	9502X	6.938	5.057
1701X	5.34	2.61	175	VC	CIRC	9502X	5.84	4.41
2601X	4.42	2.1	175	VC	CIRC	9503X	6.06	4.11
2701X	4.91	2.31	175	VC	CIRC	9505X	7.037	
3401X	3.95	1.25	350	PF	CIRC	9601X	6.25	3.98
3501X	3.02	1.08	350	PF	CIRC	9601X	5.99	3.24
3502X	2.58	0.9	350	PF	CIRC	9603X	6.298	
3601X	3.96	2.11	175	VC	CIRC	9701X	6.28	4.69
3602X	3.14	0.74	350	PF	CIRC	9702X	6.22	4.34
3604X	3.19	0.86	150	VC	CIRC	9709X	6.41	
3605X	3.15		225	VC	CIRC	9710X		
3605X	3.15		225	VC	CIRC	9711X		
3606X	3.42		150	VC	CIRC	9712X		
360PX	3.42	3.41	300	BAC	CIRC	9713X		
3701X	5	3.44	150	VC	CIRC	9714X		
4301X	4.78	1.72	350	PF	CIRC	9715X		
4401X	4.49	1.27	350	PF	CIRC	9716X		
4601X	4.46	2.99	150	VC	CIRC	9717X		
5101X	6.35	2.81	150	VC	CIRC	9718X		
5102X	6.42	3.06	150	VC	CIRC	9800X		
5301X	4.63	2.12	350	PF	CIRC	9801X		
5302X	4.86	2.04	350	PF	CIRC	980DX		
5303X	5.39	1.81	350	PF	CIRC	981DX		
5304X	5.33	1.81	350	PF	CIRC			
5305X	5.32	1.96	350	PF	CIRC			
6001X			UNK	UNK	CIRC			
6201X	5.19	2.63	175	VC	CIRC			
6202X	7.82	2.66	175	VC	CIRC			
6203X	4.67	2.37	350	PF	CIRC			
6204X			UNK	UNK	CIRC			
6205X			UNK	UNK	CIRC			
620DX			UNK	UNK	CIRC			
6252X	5.58	1.48	150	VC	CIRC			
6253X	5.18	3.46	150	VC	CIRC			
6254X	5.43	3.28	150	VC	CIRC			
6301X	4.63	2.37	175	VC	CIRC			
6304X	4.66	2.2	350	PF	CIRC			
6305X			100	VC	CIRC			
630DX			175	VC	CIRC			
6601X	5.09	3.25	150	VC	CIRC			
6650X	4.99	3.18	300	CP	CIRC			
6651X	5.41	4.53	150	VC	CIRC			
6701X	5.91	4.63	175	VC	CIRC			
6702X	5.68	2.9	150	VC	CIRC			
6703X	5.38	2.78	150	VC	CIRC			
6704X	5.32	2.73	150	VC	CIRC			
6705X	5.67	4.75	175	VC	CIRC			
6707X	5.67	3.11	150	VC	CIRC			
6708X	5.33	3.76	150	VC	CIRC			
6709X	5.26	3.14	150	VC	CIRC			
670PX	5.71	5.7	100	PE	CIRC			
6710X			UNK	UNK	CIRC			
6711X			100	VC	CIRC			
6712X			100	VC	CIRC			
6713X			UNK	UNK	CIRC			
6714X			UNK	UNK	CIRC			
6750X	5.95	3.71	150	VC	CIRC			
6751X	5.59	3.44	150	VC	CIRC			
6752X	5.23	3.3	225	VC	CIRC			
6753X	5.55	3.68	150	VC	CIRC			
6754X	5.34	3.78	150	VC	CIRC			
6756X			225	VC	CIRC			
6759X	4.86	2.98	300	CP	CIRC			
6760X	4.68	2.64	600	CP	CIRC			
6761X	5.33		225	VC	CIRC			
676IX	2.72	2.71	600	CP	CIRC			
6801X			150	VC	CIRC			
6802X			UNK	UNK	CIRC			
6805X			UNK	UNK	CIRC			
680DX			UNK	UNK	CIRC			
7201X	5.36	2.51	350	PF	CIRC			



7402X	5.12	2.63	175	VC	CIRC	
7501X	5.75	3.23	175	VC	CIRC	
7502X	5.58	3.22	175	VC	CIRC	
7503X	5.47	3.02	175	VC	CIRC	
7601X			100	VC	CIRC	*
7601X	6.37	4.75	175	VC	CIRC	*
7602X	6.3	4.36	175	VC	CIRC	
7701X	5.48	3.9	150	VC	CIRC	
7702X	5.42	4	150	VC	CIRC	
7703X	5.96		150	VC	CIRC	
7704X	6		150	VC	CIRC	
7705X	5.92		150	VC	CIRC	
7706X			UNK	UNK	CIRC	
7707X			150	VC	CIRC	
7708X			150	VC	CIRC	
7710X			UNK	UNK	CIRC	
7711X			UNK	UNK	CIRC	
7712X			UNK	UNK	CIRC	
7713X			UNK	UNK	CIRC	
7714X			UNK	UNK	CIRC	
7715X			UNK	UNK	CIRC	
7750X	6.41	5.45	225	VC	CIRC	
7751X	5.96	4.46	225	VC	CIRC	
7752X	6.04	4.64	225	VC	CIRC	
7753X	5.95	4.81	225	VC	CIRC	
7754X	5.9	4.94	225	VC	CIRC	
7756X	5.52		225	VC	CIRC	
7801X			150	VC	CIRC	
7802X			150	VC	CIRC	
7803X			150	VC	CIRC	
7804X			UNK	VC	CIRC	
7806X			UNK	UNK	CIRC	
7807X			150	VC	CIRC	
7808X			150	VC	CIRC	
7809X			150	VC	CIRC	
7810X			150	VC	CIRC	
7811X			UNK	UNK	CIRC	
7850X			225	VC	CIRC	
7901X			UNK	UNK	CIRC	
8001X			UNK	VC	CIRC	
810DX			UNK	UNK	UNK	
8201X	5.32	2.78	350	PF	CIRC	
8202X	7.06	4.91	150	VC	CIRC	
8203X	6.99	5.21	150	VC	CIRC	
8204X	5.45	2.86	350	PF	CIRC	
8301X	4.97	3.82	175	VC	CIRC	
8302X	5.26	3.63	175	VC	CIRC	
8303X	5.89	4.5	150	VC	CIRC	
8304X	5.39	3.58	175	VC	CIRC	
8305X	5.2	3.92	175	VC	CIRC	
8402X	7.333	6.078	150	VC	CIRC	
8501X	5.65	4.17	150	VC	CIRC	*
8501X	5.8	3.32	175	VC	CIRC	*
8502X	6.989	5.167	150	VC	CIRC	*
8502X	5.6	3.98	150	VC	CIRC	*
8503X	5.48	3.8	175	VC	CIRC	*
8503X	6.83	5.47	150	PVC	CIRC	*
8504X	5.64	4.13	150	VC	CIRC	
8601X	6.13	4.21	175	VC	CIRC	
8602X	5.57	3.56	175	VC	CIRC	*
8602X	5.37	3.67	175	VC	CIRC	*
8603X	6.03	3.67	175	VC	CIRC	*
8603X	5.52	3.6	175	VC	CIRC	*
861DX			175	VC	CIRC	
8701X	6.17	4.72	150	VC	CIRC	*
8701X	5.96	4.12	175	VC	CIRC	*
8702X	5.76	3.83	175	VC	CIRC	*
8702X			175	VC	CIRC	*

LINE STYLES / COLOURS		MATERIALS		
Brown	Foul	AK	Allathene	Manhole (SW)
Red	Foul Syphon Sewer	BAC	Bonded Asbestos Cement	Manhole (F&C)
Red	Foul Vacuum Main	BRC	Brick (Common)	Lamp hole (SW)
Red	Foul Rising Main	BRE	Brick (Engineering)	Lamp hole (F&C)
Red	Combined	CC	Concrete Box Culvert	Pumping Station (SW)
Red	Combined Syphon Sewer	CI	Cast Iron	Pumping Station (F&C)
Red	Combined Rising Main	CO	Concrete (in-Situ)	Side entry manhole (SW)
Red	Lateral Drain	CP	Concrete (Pre-Cast)	Side entry Manhole (F&C)
Orange	Building Over Agreement Area	CSB	Concrete Segments (bolted)	Blind shaft (SW)
Dark Blue	Treated Effluent	CSU	Concrete Segments (unbolted)	Blind shaft (F&C)
Purple	Sludge	DI	Ductile Iron	Ejector station (SW)
Purple	Sewer Catchment	GR	Glass Reinforced Concrete	Ejector station (F&C)
Purple	Section 104 Area	GRP	Glass Reinforced Plastic	Watertight door (SW)
Light Blue	Surface Water	MAC	Masonry in regular Courses	Watertight door (F&C)
Light Blue	Surface Water Rising Main	MAR	Masonry in random Courses	Flushing ch. Mn-e (SW)
Yellow	Private	PE	Polyethylene	Flushing ch. Mn-e (F&C)
Green	Access Shaft	PF	Pitch Fibre	Flushing ch. No-e (SW)
Green	Decommissioned	PP	Polypropylene	Flushing ch. No-e (F&C)
		PVC	Polyvinyl Chloride	Demarcation Chamber
		RPM	Reinforced Plastic Matrix	
		SI	Spun Iron	
		ST	Steel	
		VC	Vitrified Clay	
		XXX	Other	
		ZZZ	Unknown	

O.S. Ref.	SU9703SW	Drawn by:	kumaria
Scale:	1:2500	Date:	16/08/201
Title: 257250_Land at B2233 Main Road			
The information contained on this plan is provided as a guide to the approximate position of existing pu cannot be guaranteed.			
THIS INFORMATION MUST BE TREATED WITH CAUTION AND THE ACTUAL POSIT SEWERS MUST BE ESTABLISHED ON SITE, IN ALL CASES.			
Southern Water must be informed before lifting manhole covers or excavating trial holes			
WARNING: BAC pipes are constructed of Bonded Asbestos Cement			
WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement			
Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S Licence No. WU 298530.			

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APPENDIX H

Proposed Surface Water and Foul Drainage Strategy & Micro Drainage Calculations