Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams Inv-soff			Manhole	Cover
F1	46.449	PF1							
	2.175						1200	B	D400
E. 440281.805									
N. 401958.802			0	1.000	44.124	150			
F2	47.387	PF2 1	1	1.000	43.565	150			
	3.672						1200	A	D400
E. 440308.763									
N. 401951.245			0	1.001	43.565	150			
F3	45.746	1	1	1.001	43.116	150			
	2.480						1200	B	D400
E. 440302.995									
N. 401924.910			0	1.002	43.116	150			
F4	45.036	1 2	1	1.002	41.849	150			
	4.537		2	2.000	40.349	150	1200		D400
E. 440309.911									
N. 401914.286			0	1.003	40.349	150			
F5	43.233	1 PF6	1	1.003	39.816	150			
	3.267						1200		D400
E. 440387.125									
N. 401894.790			0	1.004	39.816	150			
F6	42.814	2 PF9 1	1	3.000	39.685	150			
	2.979		2	1.004	39.685	150	1500	B	D400
E. 440406.115									
N. 401899.467			0	1.005	39.685	150			
F7	42.248	1 PF11	1	1.005	39.336	150			
	2.762						1200	B	D400
E. 440455.503									
N. 401916.040			0	1.006	39.336	150			
F8	41.809	1 PF12	1	1.006	39.137	150			
	2.522						1200	B	D400
E. 440483.611									
N. 401925.203			0	1.007	39.137	150			
F9	41.268	PF13 1	1	1.007	38.850	150			
	2.268						1200	B	D400
E. 440525.984									
N. 401928.378			0	1.008	38.850	150			
F10	40.376	PF14 1	1	1.008	38.215	150			
	2.011						1200	B	D400
E. 440528.451									
N. 401898.521			0	1.009	38.215	150			

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams Inv-soff			Manhole	Cover
F11	39.579	PF15 1	1	1.009	36.700	150			
	2.729						1200	B	D400
E. 440536.959									
N. 401868.922			0	1.010	36.700	150			
F12	38.708	1 PF17	1	1.010	36.390	150			
	2.168						1200	B	D400
E. 440580.042									
N. 401882.500			0	1.011	36.390	150			
F13	38.054	PF18 1	1	1.011	35.841	150			
	2.063						1200	B	D400
E. 440602.491									
N. 401892.671			0	1.012	35.841	150			
F14	36.554	1 PF19 PF20	1	1.012	33.878	150			
	2.526						1500	B	D400
E. 440616.707									
N. 401863.641			0	1.013	33.878	150			
F15	35.950	2 1	1	1.013	33.596	150			
	2.204		2	4.002	33.596	150	1200	B	D400
E. 440626.398									
N. 401845.058			0	1.014	33.596	150			
F16	35.950	1	1	1.014	33.550	150			
	2.250						1200	B	D400
E. 440631.303									
N. 401847.428			0	1.015	33.550	150			
F17	35.950	1	1	1.015	33.510	150			
	6.530						2400		PROLIFT
E. 440634.684							PUMP STATION WET WELL		
N. 401849.062			0	1.016	29.319	101	SEE MANUFACTURER DETAILS		
F18	35.715	1	1	1.016	34.500	101			
	1.115						1200	B1/E	D400
E. 440708.383									
N. 401921.940			0	1.017	34.450	150			
F19	35.700	1	1	1.017	34.350	150			
	1.200						OUTFALL LOCATION TO BE CONFIRMED		
E. TO BE									
N. CONFIRMED									
F20	42.820	PF4 PF3							
	2.093						1200	B	D400
E. 440300.302									
N. 401881.685			0	2.000	40.577	150			

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams Inv-soff			Manhole	Cover
F21	43.721	PF7 PF8							
	2.335						1200	B	D400
E. 440400.965									
N. 401914.104			0	3.000	41.236	150			
F22	37.968	PF21							
	1.934						1200	B	D400
E. 440553.307									
N. 401813.300			0	4.000	35.884	150			
F23	36.828	1 PF22	1	4.000	34.889	150			
	1.789						1200	B	D400
E. 440595.250									
N. 401825.847			0	4.001	34.889	150			
F24	36.003	1 PF23	1	4.001	34.022	150			
	1.831						1200	B	D400
E. 440619.785									
N. 401837.813			0	4.002	34.022	150			

FOUL SYSTEM

Pipe Code	Diameter (Inv-Soff) (mm)	Gradient (1:)	Pipe Type	Pipe Length	Upstream Manhole Number	Upstream Manhole Invert	Upstream Manhole Cover	Downstream Manhole Number	Downstream Manhole Invert	Downstream Manhole Cover
1.000	150	50.1	CLAY	27.997	F1	44.124	46.449	F2	43.565	47.387
1.001	150	60.0	CLAY	26.959	F2	43.565	47.387	F3	43.116	45.746
1.002	150	10.0	CLAY	12.677	F3	43.116	45.746	F4	41.849	45.036
1.003	150	149.4	CLAY	79.637	F4	40.349	45.036	F5	39.816	43.233
1.004	150	149.3	CLAY	19.558	F5	39.816	43.233	F6	39.685	42.814
1.005	150	149.3	CLAY	52.094	F6	39.685	42.814	F7	39.336	42.248
1.006	150	148.6	CLAY	29.564	F7	39.336	42.248	F8	39.137	41.809
1.007	150	148.1	CLAY	42.491	F8	39.137	41.809	F9	38.850	41.268
1.008	150	47.2	CLAY	29.959	F9	38.850	41.268	F10	38.215	40.376
1.009	150	20.3	CLAY	30.797	F10	38.215	40.376	F11	36.700	39.579
1.010	150	145.7	CLAY	45.172	F11	36.700	39.579	F12	36.390	38.708
1.011	150	44.9	CLAY	24.646	F12	36.390	38.708	F13	35.841	38.054
1.012	150	16.5	CLAY	32.324	F13	35.841	38.054	F14	33.878	36.554
1.013	150	74.3	CLAY	20.958	F14	33.878	36.554	F15	33.596	35.064
1.014	150	118.4	CLAY	5.448	F15	33.596	35.950	F16	33.550	35.950
1.015	150	93.9	CLAY	3.755	F16	33.550	35.950	F17	33.510	35.950
1.016	101.3	RISING MAIN	MDPE	104.352	F17	29.319	35.950	F18	34.500	35.715
1.017	150	TBC	CLAY	TBC	F18	34.450	35.715	F19	TO BE CONFIRMED	
2.000	150	149.1	CLAY	33.987	F20	40.577	42.820	F4	40.349	45.036
3.000	150	10.0	CLAY	15.516	F21	41.236	43.721	F6	39.685	42.814
4.000	150	44.0	CLAY	43.780	F22	35.884	37.968	F23	34.889	36.828
4.001	150	31.5	CLAY	27.297	F23	34.889	36.828	F24	34.022	36.003
4.002	150	23.0	CLAY	9.809	F24	34.022	36.003	F15	33.596	35.064

RISK ASSESSMENT : SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT		
RISK	LEVEL OF RISK (H/M)	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH NEW DRAINAGE WORKS.	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS.
HANDLING LARGE DIAMETER MANHOLE RINGS, CONCRETE PIPES AND PRE CAST CONCRETE SECTIONS ASSOCIATED WITH TANK	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHING/HARD HATS.
CONTACT WITH SEWAGE.	MED	OPERATIVES TO USE CORRECT BREATHING EQUIPMENT.
NOISE.	MED	OPERATIVES TO USE CORRECT EAR PROTECTION.
EXCAVATIONS ADJACENT EXISTING BOUNDARY STRUCTURES	HIGH	ENSURE CORRECT SUPPORTS ARE PROVIDED TO TRENCHES AND BUILDINGS WHERE REQUIRED.
EXCAVATIONS IN PUBLIC HIGHWAY.	HIGH	ENSURE CORRECT USE OF TRENCH SUPPORTS IN EXCAVATION AND SCREEN BARRIERS TO PROTECT MEMBERS OF THE PUBLIC.
MAINTAIN ACCESS TO ADJACENT PROPERTIES AND OCCUPIERS.	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE THE PUBLIC AWAY FROM THE WORKS.
DRAINAGE EXCAVATIONS NEAR TO EXISTING SERVICES	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MEMBERS OF THE PUBLIC AWAY FROM THE AREA.
IT IS ASSUMED THAT WORKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETENT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE		

1. All work to be in accordance with the current Building Regulations 2. Only written dimensions to be used 3. Discrepancies and abnormalities to be reported. 4. If in doubt Ask.

Revision.

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A1

Client.
Persimmon Homes

Site.
Lundhill Road,
Wombwell.

Title.
Foul System :
Manhole & Pipe Schedules.

Date:	Scales.	Drawing No.
Apr 2018	NOT APP	18/692/9037