## General Notes:

1. The design, drawings and all included information are the sole copyright of Morgan Engineering Consultants and no element shall be read in conjunction with all Structural/Civil Engineering drawings, the MEC specification and drawings produced by the Architects, M&E Engineers, Sub-Contractors etc. 3. All setting out is to be confirmed by the Architect. 4. The Contractor is to check and confirm all setting out dimensions must not be scaled from MEC's drawings. 6. All dimensions are in millimeters unless noted otherwise. 7. Reference is to be made to construction and structural notes on drawing S-00 and the accompanying MEC Structural Specification.

			1	1	1	Surface Wate	I							1	1			Foul Water	Manhole Scheo	dule			
Manhole	Cover	Depth to	Depth to	Pipe Out	Pipe Out	Pipe In	Pipe In	Manhole	Manhole	Cover	Notes	Manhole	Cover	Depth to	Depth to	Pipe Out	Pipe Out	Pipe In	Pipe In	Manhole	Manhole	Cover	Notes
Ref	Level	Invert (M)	Soffit (M)	Dia (mm)	Invert Level	Dia (mm)	Invert Level	Туре	Size (mm)	Grade		Ref	Level	Invert (M)	Soffit (M)	Dia (mm)	Invert Level	Dia (mm)	Invert Level	Туре	Size (mm)	Grade	Notes
SW1	60.300	1.095	0.795	300	59.205	300	59.355	PC Conc	1200	D400	Catchpit manhole 500mm sump	F01	61.100	0.900	0.800	100	60.200	100	60.200	PPIC	450	D400	
SW2	60.200	1.075	0.775	300	59.125	150 300	59.335 59.125	PC Conc	1200	D400		F02	61.100	1.000	0.900	100	60.100	100	60.100	PPIC	450	D400	
5002	00.200	1.075	0.775	500	55.125	150	59.275		1200	D400		F03	61.150	1.155	1.055	100	59.995	100	59.995	PPIC	450	D400	
						150	59.275					F04	62.000	0.900	0.800	100	61.100	100	61.100	PPIC	450	B125	
SW3	62.000	2.585	2.360	225	59.415	150	61.220	PC Conc	1200	D400	Catchpit manhole 500mm sump - Tumble	F05 F06	62.000 62.000	0.995 2.330	0.895 2.180	100 150	61.005 59.670	100 100	61.005 59.720	PPIC PC Conc	450 1200	B125 D400	
5115	02.000	2.505	2.500		55.415				1200	D-100	high level connection in	100	02.000	2.330	2.100	150	33.070	100	60.185	FCCOIL	1200	D400	Backdrop connection
SW4	61.900	2.880	2.580	300	59.020	150 300	61.220 59.020	PC Conc	1200	D400	Tumble high level connection in Catchpit manhole 500mm sump	F07	62.000	2.590	2.440	150	59.410	150	59.410	PC Conc	1200	D400	
3004	01.900	2.000	2.560	500	59.020	225	59.020		1200	D400								100	59.460				Spur added for futur
SW5	62.500			225	60.925	150	61.000	PC Conc	1200	D400	Catchpit manhole 500mm sump							100	59.460				Spur added for futur
SW6	61.550	3.000	2.700	300	58.550	300	58.915	PC Conc	1200	D400	Catchpit manhole 500mm sump - Tumble	F08	62.150	0.900	0.800	100	61.250	100	61.250	PPIC	450	B125	
500	01.550		2.700	500	58.550				1200	0400	high level connection in (a)	F09	62.150	0.975	0.875	100	61.175	100	61.170	PPIC	450	B125	
		`				150	59.065				Tumble high level connection in (b)	F10	62.000	3.125	2.975	150	58.875	150 100	58.875 59.970	PC Conc	1200	D400	Backdrop connectior
						225	60.215				Tumble high level connection in (c) Surface water pumping station to be							100	59.970				Backdrop connection
SW7	61.000	-	-	TBC	Rising Main	Rising Main	TBC	PC Conc	1500	D400	designed by specialist manufaturer	F11	60.000	0.895	0.795	100	59.105	100	59.105	PPIC	450	B125	
						100	60.100				Tumble high level connection in	F12	59.975	0.940	0.840	100	59.035	100	59.035	PPIC	450	B125	
SW8	60.000	0.800	0.650	150	59.200	Rising Main	TBC	PC Conc	1200	B125	Connection downstream to ditch network	F13	60.000	1.020	0.920	100	58.980	100	58.980	PPIC	450	B125	
OP1	61.050	0.750	0.600	150	60.300	150	60.300	PC Conc	650 x 450	D400	Connection in from perforated collector	F14	60.300	1.515	1.415	100	58.785	100	58.785	PPIC	450	B125	
						100	60.300				pipe, 25mmØ orifice plate	F15	59.520	0.750	0.650	100	58.770	100	58.770	PPIC	450	B125	
											Connection in from perforated collector	F16	59.520	0.840	0.740	100	58.680	100	58.730	PPIC	450	B125	
OP2	61.750	0.750	0.600	150	61.000	150	61.000	PC Conc	650 x 450	D400	pipe, 25mmØ orifice plate	F17	60.000	1.405	1.255	150	58.595	100 100	58.645	PC Conc	1200	D400	
OP3	62.000	0.650	0.500	150	61.350	150	61.350	PC Conc	650 x 450	D400	Connection in from perforated collector	F18	60.900	2.485	2.335	150	58.415	150	58.645 58.415	PC Conc	1200	D400	
013	02.000	0.050	0.500	150	01.550	150	01.550	PC CONC	030 x 430	D400	pipe, 25mmØ orifice plate	110	00.500	2.400	2.335	150	50.415	150	50.415		1200	0400	Foul water pumping
OP4	60.200	0.800	0.650	150	59.400	150	59.400	PC Conc	650 x 450	D400	Connection in from perforated collector	F19	61.500	-	-	твс	Rising Main	150	58.285	PC Conc	1500	D400	by specialist manufat
											pipe, 25mmØ orifice plate Connection in from perforated collector												storage provision
OP5	60.000	0.700	0.550	150	59.300	150	59.300	PC Conc	650 x 450	D400	pipe, 25mmØ orifice plate							150	58.285				
61.0	C1 025	0.000	0.500	100	CO 225	100	CO 225	DDIC	450	D105													Final chamber to act a
S1.0	61.025	0.690	0.590	100	60.335	100	60.335	PPIC	450	B125		F20	66.300	-	-	100	Rising Main	Rising Main	ТВС	PC Conc	1200	D400	connection subject to Anglian Water. Down
S1.1	61.025	0.750	0.650	100	60.275	100	60.275	PPIC	450	B125	Catchpit manhole 300mm minimum sump -												investigated.
											Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -				Cover	levels shown	are indicative o	nly and are	based on exist	ing levels, fin	al level strategy	y by others	-
S1.2	61.025	0.750	0.650	100	60.275	100	60.275	PPIC	450	B125	Connection to perforated distribution pipe												
61.2	C1 000	0.750	0.050	100	CO 250	100	CO 250	DDIC	450	D125	Catchpit manhole 300mm minimum sump -												
S1.3	61.000	0.750	0.650	100	60.250	100	60.250	PPIC	450	B125	Connection to perforated distribution pipe												
S2.0	61.850	0.730	0.630	100	61.120	100	61.120	PPIC	450	B125													
S2.1	61.850	0.75	0.65	100	61.1	100	61.1	PPIC	450	B125	Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe												
											· · · ·												
S2.2	61.850	0.750	0.650								Catchpit manhole 300mm minimum sump -												
62.2	61.850			100	61.100	100	61.100	PPIC	450	B125	Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe												
N/ N		0 750	0.650																				
S2.3		0.750	0.650	100	61.100	100	61.150	РРІС	450	B125	Connection to perforated distribution pipe												
\$2.3 \$3.0	61.850	0.750 0.545	0.650 0.445			100 100	61.150 61.655				Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -												
\$3.0	62.150	0.545	0.445	100	61.100 61.605	100	61.150 61.655 61.655	PPIC PPIC	450	B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe												
				100	61.100	100 100	61.150 61.655	РРІС	450	B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -												
\$3.0 \$3.1	62.150 62.150	0.545	0.445	100 100 100	61.100 61.605 61.500	100 100 100 100	61.150 61.655 61.655 61.500	PPIC PPIC PPIC	450 450 450	B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe												
S3.0	62.150	0.545	0.445	100	61.100 61.605	100 100 100	61.150 61.655 61.655	PPIC PPIC	450 450	B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe												
\$3.0 \$3.1	62.150 62.150	0.545	0.445	100 100 100	61.100 61.605 61.500	100 100 100 100	61.150 61.655 61.655 61.500	PPIC PPIC PPIC	450 450 450	B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -												
S3.0 S3.1 S3.2 S3.3	62.150 62.150 62.150 62.150	0.545 0.650 0.650 0.650	0.445 0.550 0.550 0.550	100 100 100 100 100	61.100 61.605 61.500 61.500 61.500	100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500	PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450	B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe												
S3.0 S3.1 S3.2 S3.3 S4.0	62.150 62.150 62.150 62.150 60.000	0.545 0.650 0.650 0.650 0.475	0.445 0.550 0.550 0.550 0.375	100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 59.525	100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 59.525	PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -	Manholo	Cover	Dopth to	Donth to		face Water Rod			Cover			
S3.0 S3.1 S3.2 S3.3	62.150 62.150 62.150 62.150	0.545 0.650 0.650 0.650	0.445 0.550 0.550 0.550	100 100 100 100 100	61.100 61.605 61.500 61.500 61.500	100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500	PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450	B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -	Manhole	Cover	Depth to	Depth to Soffit (M)	Pipe Out	Pipe Out	Manhole	Manhole	Cover	Notes		
\$3.0   \$3.1   \$3.2   \$3.3   \$4.0   \$4.1	62.150 62.150 62.150 62.150 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550	0.445 0.550 0.550 0.550 0.375 0.450	100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 59.525 59.450	100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 59.525 59.450	PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump -	Manhole Ref RE1.0	Cover Level 61.000	Depth to Invert (M) 0.600	-	Pipe Out	1			Cover Grade A15	Notes		
\$3.0   \$3.1   \$3.2   \$3.3   \$4.0   \$4.1   \$4.2	62.150 62.150 62.150 62.150 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700	0.445 0.550 0.550 0.550 0.375 0.450 0.600	100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 61.500 59.525 59.450 59.300	100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 59.525 59.450 59.300	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref	Level	Invert (M)	Soffit (M)	Pipe Out Dia (mm)	Pipe Out Invert Level	Manhole Type	Manhole Size (mm)	Grade	Notes		
S3.0   S3.1   S3.2   S3.3   S4.0   S4.1	62.150 62.150 62.150 62.150 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550	0.445 0.550 0.550 0.550 0.375 0.450	100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 59.525 59.450	100 100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 59.525 59.450 59.300 59.395	PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref RE1.0 RE1.1 RE2.0	Level 61.000 61.000 61.850	Invert (M) 0.600 0.565 0.565	Soffit (M) 0.500 0.465 0.465	Pipe Out Dia (mm) 100 100 100	Pipe Out Invert Level 60.400 60.435 61.285	Manhole Type RE	Manhole Size (mm) 250 250 250	Grade A15 A15 A15	Notes		
S3.0   S3.1   S3.2   S3.3   S4.0   S4.1   S4.2	62.150 62.150 62.150 62.150 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700	0.445 0.550 0.550 0.550 0.375 0.450 0.600	100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 61.500 59.525 59.450 59.300	100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 59.525 59.450 59.300	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref     RE1.0     RE1.1     RE2.0     RE2.1	Level 61.000 61.850 61.850	Invert (M) 0.600 0.565 0.565 0.595	Soffit (M) 0.500 0.465 0.465 0.495	Pipe Out Dia (mm) 100 100 100 100	Pipe Out     Invert Level     60.400     60.435     61.285     61.255	Manhole Type RE RE RE RE	Manhole Size (mm) 250 250 250 250	Grade A15 A15 A15 A15 A15	Notes		
S3.0   S3.1   S3.2   S3.3   S4.0   S4.1   S4.2	62.150 62.150 62.150 62.150 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700	0.445 0.550 0.550 0.550 0.375 0.450 0.600	100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 61.500 59.525 59.450 59.300	100 100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 59.525 59.450 59.300 59.395	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref     RE1.0     RE1.1     RE2.0     RE2.1     RE3.0	Level 61.000 61.850 61.850 62.150	Invert (M) 0.600 0.565 0.565 0.595 0.545	Soffit (M) 0.500 0.465 0.465 0.495 0.495	Pipe Out Dia (mm) 100 100 100 100 100	Pipe Out     Invert Level     60.400     60.435     61.285     61.605	Manhole Type RE RE	Manhole Size (mm) 250 250 250 250 250	Grade A15 A15 A15 A15 A15 A15		erforated co	
\$3.0   \$3.1   \$3.2   \$3.3   \$4.0   \$4.1   \$4.2   \$4.3   \$4.3	62.150 62.150 62.150 62.150 60.000 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700 0.605	0.445 0.550 0.550 0.550 0.375 0.450 0.600 0.505	100 100 100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.395 59.300	100 100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.395 59.445 59.300	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref     RE1.0     RE1.1     RE2.0     RE2.1     RE3.0     RE3.1	Level 61.000 61.850 61.850 62.150 62.000	Invert (M) 0.600 0.565 0.565 0.595 0.545 0.600	Soffit (M) 0.500 0.465 0.465 0.495 0.495 0.445 0.500	Pipe Out Dia (mm) 100 100 100 100 100 100	Pipe Out     Invert Level     60.400     60.435     61.285     61.605     61.400	Manhole Type RE RE RE RE RE RE	Manhole Size (mm) 250 250 250 250 250 250 250	Grade A15 A15 A15 A15 A15 A15 A15	Notes	erforated co	lector pipe
\$3.0   \$3.1   \$3.2   \$3.3   \$4.0   \$4.1   \$4.2   \$4.3	62.150 62.150 62.150 62.150 60.000 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700 0.605	0.445 0.550 0.550 0.550 0.375 0.450 0.600 0.505	100 100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 59.525 59.450 59.300 59.395	100 100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.395 59.445	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref     RE1.0     RE1.1     RE2.0     RE2.1     RE3.0	Level 61.000 61.850 61.850 62.150	Invert (M) 0.600 0.565 0.565 0.595 0.545	Soffit (M) 0.500 0.465 0.465 0.495 0.495	Pipe Out Dia (mm) 100 100 100 100 100	Pipe Out     Invert Level     60.400     60.435     61.285     61.605	Manhole Type RE RE RE RE	Manhole Size (mm) 250 250 250 250 250	Grade A15 A15 A15 A15 A15 A15			
S3.0   S3.1   S3.2   S3.3   S4.0   S4.1   S4.2   S4.3   S4.4	62.150 62.150 62.150 62.150 60.000 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700 0.605	0.445 0.550 0.550 0.550 0.375 0.450 0.600 0.505	100 100 100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.395 59.300	100 100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.395 59.445 59.300	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref     RE1.0     RE1.1     RE2.0     RE2.1     RE3.0     RE3.1     RE4.0	Level 61.000 61.850 61.850 62.150 62.000 60.000	Invert (M) 0.600 0.565 0.565 0.595 0.545 0.600 0.470	Soffit (M) 0.500 0.465 0.465 0.495 0.495 0.445 0.500 0.370	Pipe Out Dia (mm) 100 100 100 100 100 100 100	Pipe Out   Invert Level   60.400   60.435   61.285   61.605   61.400   59.530	Manhole Type RE RE RE RE RE RE RE	Manhole Size (mm) 250 250 250 250 250 250 250	Grade A15 A15 A15 A15 A15 A15 A15 A15	Connects to po		
S3.0   S3.1   S3.2   S3.3   S4.0   S4.1   S4.2   S4.3   S4.3   S4.4   S4.5	62.150 62.150 62.150 62.150 60.000 60.000 60.000 60.000 60.000 60.000	0.545 0.650 0.650 0.650 0.475 0.550 0.700 0.605 0.700 0.700	0.445 0.550 0.550 0.550 0.375 0.450 0.600 0.505 0.600 0.600	100 100 100 100 100 100 100 100 100 100	61.100 61.605 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.300 59.300	100 100 100 100 100 100 100 100 100 100	61.150 61.655 61.655 61.500 61.500 61.500 61.500 59.525 59.450 59.300 59.395 59.445 59.300 59.300	PPIC PPIC PPIC PPIC PPIC PPIC PPIC PPIC	450 450 450 450 450 450 450 450 450 450	B125 B125 B125 B125 B125 B125 B125 B125	Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe Catchpit manhole 300mm minimum sump - Connection to perforated distribution pipe	Ref     RE1.0     RE1.1     RE2.0     RE2.1     RE3.0     RE3.1     RE4.0     RE4.1	Level 61.000 61.850 61.850 62.150 62.000 60.000	Invert (M) 0.600 0.565 0.565 0.595 0.545 0.600 0.470 0.700	Soffit (M) 0.500 0.465 0.465 0.495 0.495 0.445 0.500 0.370 0.600	Pipe Out Dia (mm) 100 100 100 100 100 100 100 100	Pipe Out   Invert Level   60.400   60.435   61.285   61.605   61.400   59.530   59.300	Manhole Type RE RE RE RE RE RE RE RE	Manhole Size (mm) 250 250 250 250 250 250 250 250 250	Grade     A15     A15	Connects to po		

A1

Client:

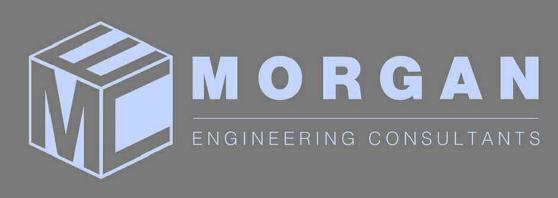
**BYFORD & HAMMOND** 

Project: SPARLINGS FARM CHELMSFORD ROAD BARNSTON, CM6 1LP Drawing Title: MANHOLE SCHEDULE

## LONDON . ESSEX . SURREY . SUFFOLK . KENT STRUCTURAL & CIVIL ENGINEERS

Colchester Office London Office Email: Web:

01206 259 360 / 07708 446 575 0204 534 5593 / 07738 439 500 office@morganeng.co.uk www.morganeng.co.uk



THIS DRAWING MUST NOT BE SCALED.

Cover levels are shown indicative only
and are subject to final adjustment on
site

on
ure connection
ure connection
on
on
ng station to be designed
Ifaturer including 24hour
ct as break chamber -
t to S106 agreement with
wnstream manhole to be

	P1 P 26.0			1.24	PRELIMINA	JM	DP				
	REV STATUS DA			TE	DESCRIPTION	BY	СНК				
	Drav	wn by:		Chec	ked by:	Date:	Scale at A1:				
	М			DP	JAN 2024			1-200 @A1			
	Issue Status:										
	PRELIMINARY										
	Ref: 2401-08-C-10 Rev: PRELIMINARY Rev: PRELIMINARY										