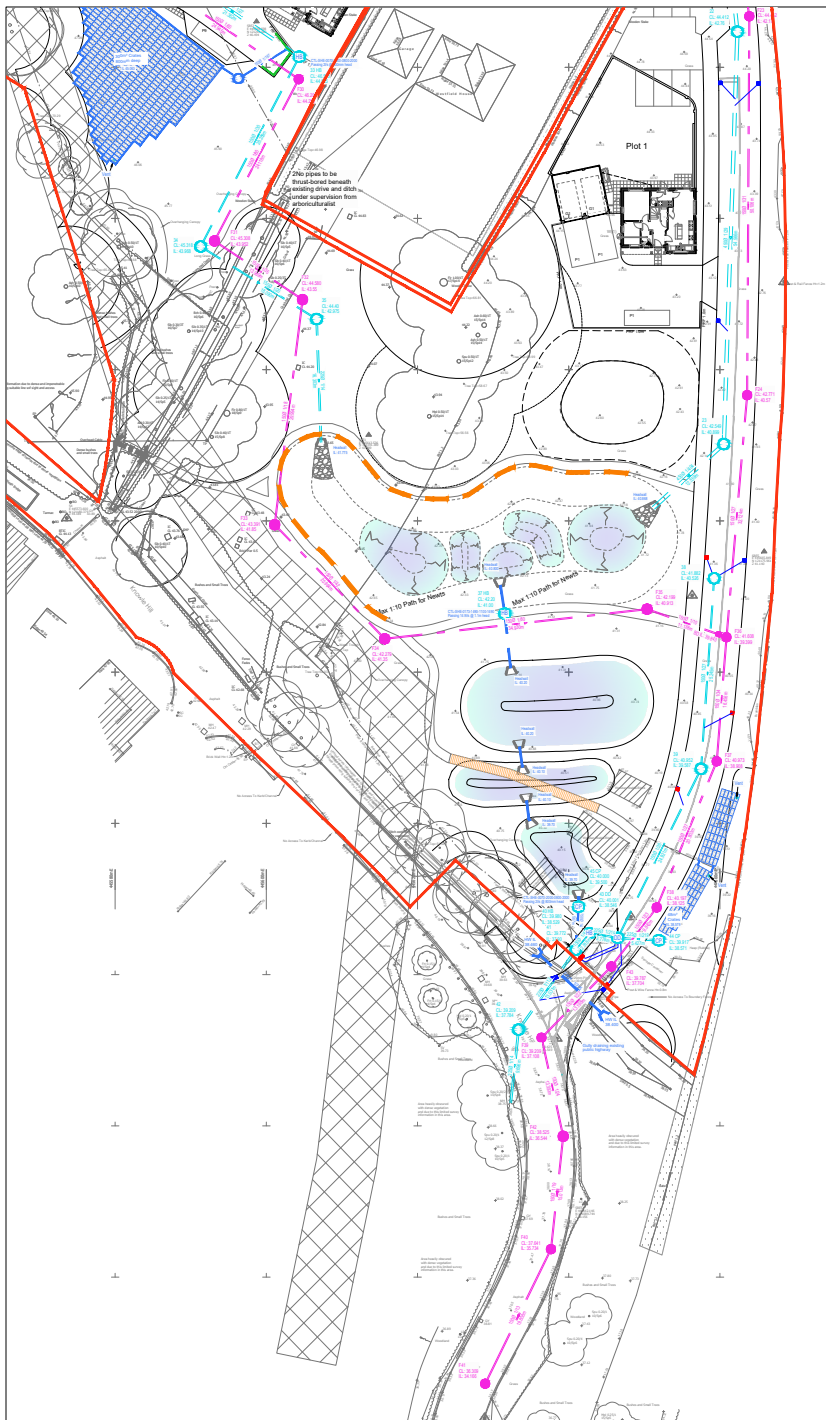




MH No.	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
1	13500	Type C	D400	55.291	53.941	1.200	445535.996	121488.460
2	12000	Type B	D400	55.750	53.868	1.857	445518.927	121480.514
3	12000	Type B	D400	56.131	53.600	2.306	445514.319	121469.100
4	13500	Type C	D400	54.527	52.890	1.337	445560.787	121464.955
5	12000	Type B	D400	55.880	52.708	2.852	445521.226	121444.737
6	13500	Type B	D400	54.936	52.441	2.120	445531.673	121399.054
7	13500	Type B	D400	54.497	52.385	1.737	445549.527	121399.054
8	13500	Type C	D400	53.782	52.207	1.200	445567.650	121402.956
9	13500	Type C	D400	53.306	51.731	1.200	445580.056	121409.933
10	13500	Type C	D400	52.722	51.147	1.200	445593.292	121407.435
11	13500	Type C	D400	51.321	49.746	1.200	445610.230	121381.912
12	13500	Type C	D400	54.746	53.321	1.200	445536.341	121383.250
13	13500	Type C	D400	53.812	52.384	1.203	445538.829	121355.150
14	12000	Type B	B125	53.400	51.661	1.514	445544.484	121347.852
15	13500	Type C	D400	52.497	51.072	1.200	445565.653	121351.175
16	13500	Type C	D400	50.658	49.158	1.200	445602.587	121359.123
17	13500	Type C	D400	50.282	48.706	1.201	445614.650	121362.450
18	13500	Type C	D400	49.424	47.774	1.200	445624.836	121348.834
19	13500	Type C	D400	47.717	46.067	1.200	445639.355	121311.048
20	13500	Type C	D400	46.030	44.381	1.199	445653.073	121284.758
21	13500	Type C	D400	45.146	43.433	1.263	445659.881	121266.342
22	13500	Type C	D400	44.412	42.760	1.202	445662.317	121244.702
23	13500	Type C	D400	42.549	40.899	1.200	445680.506	121190.166
25	13500	Type C	D400	49.927	48.502	1.200	445595.387	121326.234
26	12000	Type B	D400	50.737	48.193	2.244	445657.796	121313.324
27	13500	Type C	D400	49.373	48.023	1.050	445563.580	121291.337
28	13500	Type C	D400	47.603	46.103	1.200	445612.476	121301.359
29	12000	Type B	D400	48.223	46.012	1.911	445594.265	121288.792
30	13500	Type B	D400	48.570	45.825	2.370	445599.369	121277.709
31	13500	Type B	D400	48.139	45.798	1.966	445572.649	121269.750
32	13500	Type B	D400	47.713	45.731	1.607	445586.643	121253.339
33 HB	13500	Hydrobrake	B125	46.500	44.925	1.425	445604.352	121241.393
34	13500	Type C	B125	45.318	43.968	1.200	445591.306	121216.292
35	13500	Type C	B125	44.400	42.975	1.200	445606.643	121206.699
37 HB	13500	Type C	B125	42.200	41.000	0.975	445631.535	121167.741
38	13500	Type C	D400	41.882	40.526	1.206	445659.228	121172.408
39	13500	Type C	D400	40.952	39.587	1.215	445657.499	121147.222
41	13500	Type B	C250	39.772	37.900	1.647	445640.956	121123.318
42	13500	Type B	D400	39.209	37.784	1.234	445633.357	121112.732
40 HB	13500	Hydrobrake	C250	39.980	38.529	1.301	445642.757	121125.485
43 DD	13500	Type C	D400	39.988	38.546	1.217	445646.484	121124.868
44 CP	13500	CATCHPIT	B125	39.917	38.571	1.121	445651.901	121124.554
45 CP	13500	CATCHPIT	B125	40.000	39.500	0.350	445641.300	121128.979

MH No.	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
F1	12000	Type B	D400	55.395	53.609	1.636	445532.984	121484.399
F2	12000	Type B	D400	55.792	53.435	2.207	445519.955	121479.176
F3	12000	Type B	D400	56.137	53.318	2.669	445516.550	121470.433
F4	12000	Type B	D400	54.603	52.728	1.725	445552.064	121457.962
F5	12000	Type A	D400	55.749	52.238	3.361	445524.125	121443.641
F6	12000	Type A	D400	54.916	51.699	3.067	445533.077	121401.440
F7	12000	Type B	D400	54.510	51.497	2.863	445548.252	121401.360
F8	12000	Type B	D400	53.718	51.364	2.204	445568.486	121366.037
F9	12000	Type B	D400	53.239	50.960	2.129	445579.149	121312.805
F10	12000	Type B	D400	52.659	50.490	2.019	445594.793	121249.761
F11	12000	Type B	D400	51.289	49.040	2.099	445612.523	121382.825
F13	13500	Type C	D400	54.000	52.648	1.202	445552.458	121362.803
F14	12000	Type B	D400	52.512	50.499	1.863	445561.079	121348.096
F15	12000	Type B	D400	50.512	48.712	1.650	445605.402	121357.317
F16	12000	Type B	D400	50.177	48.177	1.850	445618.081	121361.933
F17	12000	Type B	D400	49.461	47.210	2.101	445626.526	121351.119
F18	12000	Type B	D400	48.208	45.627	2.431	445597.601	121294.335
F19	12000	Type B	D400	47.711	45.328	2.233	445610.352	121303.360
F20	12000	Type B	D400	47.816	44.925	2.741	445640.434	121314.929
F21	12000	Type B	D400	45.887	43.640	2.097	445655.717	121283.777
F22	12000	Type B	D400	45.188	42.800	2.238	445660.703	121268.926
F23	12000	Type B	D400	44.452	42.170	2.132	445663.883	121246.738
F24	12000	Type B	D400	42.771	40.570	2.051	445663.597	121196.632
F25	12000	Type B	D400	50.272	48.293	1.829	445686.832	121325.616
F26	12000	Type A	D400	50.937	47.520	3.267	445555.072	121315.294
F27	12000	Type B	D400	49.173	46.850	2.173	445662.487	121286.792
F28	12000	Type B	D400	48.163	45.170	2.843	445670.144	121269.245
F29	12000	Type B	D400	47.690	44.670	2.870	445683.719	121252.545
F30	12000	Type B	B125	46.299	44.254	1.895	445604.279	121238.420
F31	13500	Type C	B125	45.308	43.952	1.206	445593.139	121217.029
F32	13500	Type C	B125	44.580	43.550	0.880	445604.782	121209.274
F33	13500	Type C	B125	43.391	41.850	1.391	445601.101	121179.507
F34	13500	Type C	B125	42.279	41.350	0.779	445615.652	121164.416
F35	13500	Type C	C250	42.199	40.913	1.136	445650.361	121168.336
F36	12000	Type B	D400	41.608	39.399	2.059	445660.863	121164.625
F37	12000	Type B	D400	40.973	38.908	1.915	445559.576	121148.219
F38	12000	Type B	D400	40.197	38.125	1.922	445651.634	121128.893
F39	12000	Type B	D400	39.209	37.108	1.951	445636.396	121111.656
F40	12000	Type B	D400	37.641	35.734	1.757	445637.648	121083.694
F41	12000	Type B	D400	36.309	34.166	1.993	445628.946	121065.899
F42	13500	Type C	D400	38.525	36.544	1.831	445639.271	121098.619
F43	12000	Type B	D400	39.787	37.704	1.933	445645.635	121121.080

GENERAL NOTES:

- All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
- This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.
- The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.
- Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

DRAINAGE NOTES:

- All adoptable pipes, bends and junctions shall be vitrified clay in accordance with the current version of BS EN 295-1, with flexible joints and kitemark certified.
- All Adoptable sewers shall be in strict accordance with the SSG Appendix C - Design and Construction Guidance. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.5m elsewhere the pipe shall be laid with a class Z bedding.
- All private building drainage shall be constructed in strict in accordance with the current version of BS EN 152:2017. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.
- Where a pipe is within 1m of a foundation the trench shall be filled with class GEN 3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN 3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN 3 concrete.
- Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.
- In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreglass or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
- All sumps shall have rodding access plates fitted at their bases (ground floor level).
- Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.
- Any discrepancy between the drawing and site should be reported immediately to the Engineer.
- All manhole and chamber sizes are given as a minimum to meet the SSG Appendix C-Design and Construction Guidance



0 5m 10 15 20m

P	09.10.25	[MJP]	Updated for discharge of conditions	[SRM]
O	07.10.25	[MJP]	Access levels updated	[SRM]
N	19.09.25	[MJP]	Issued for Approval	[SRM]
M	19.09.25	[MJP]	Issued for Tender	[SRM]
L	01.09.25	[MJP]	SW Manholes repositioned	[SRM]
K	17.06.25	[NT]	Smart sponges added	[SRM]
J	20.05.25	[NT]	Final surface water pipe updated	[SRM]
I	12.02.25	[MJP]	Culvert to access road added	[SRM]
H	08.01.25	[MJP]	Catchpits noted on schedule & Location of tanks	[SRM]
G	12.12.24	[MJP]	PROW removed from base plan	[SRM]
F	08.12.24	[MJP]	Gabion basket retaining wall added to key	[SRM]
E	05.12.24	[MJP]	Minor updates to levels layout	[SRM]
D	04.12.24	[MJP]	Minor updates to levels layout	[SRM]
C	25.11.24	[MJP]	Levels to road adj plot 47 updated	[SRM]
F1	F5 and 1 - 5 Cover Levels Updated. 42 CP added. Fin Drains			[SRM]
B	18.10.24	[MJP]	Minor updates to levels layout	[SRM]
A	17.10.24	[MJP]	Minor updates to drainage layout	[SRM]

REV	DATE	INT	DESCRIPTION	CHK
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Issue Status FOR APPROVAL



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CLIENT	Bargate Homes				
PROJECT	Knowle Hill Allbrook Eastleigh				
TITLE	Proposed Drainage Layout Plan Whole Site				
DRAWN	M Pacifico	DATE	Oct 2024	PROJECT NO.	23823
ENGINEER	S Magowan	CHECKED		DWG. No.	REV.
SCALE	1:500 @ A1		200 P		