

DRAINAGE NOTES:

1. ALL MATERIAL USED IN THE CONSTRUCTION OF DRAINS AND MANHOLES SHALL COMPLY TO THE RELEVANT BRITISH STANDARD AND BE KITE MARKED WHERE APPROPRIATE.
2. ADOPTABLE DRAINAGE WORK TO BE BUILT IN ACCORDANCE WITH SEWERS FOR ADOPTION 7th EDITION AND THAMES WATER'S ADDENDUM'S.
3. ALL ADOPTABLE MANHOLES COVERS AND FRAMES SHALL BE D400 TO BS EN 124 IN TRAFFICKED AREAS & C250 ELSEWHERE.
4. ALL ADOPTABLE SEWERS SHALL BE SUPERSTRENGTH VITRIFIED TO BS EN 1401 (UNLESS OTHERWISE STATED).
5. PIPE BED AND SURROUND: PRIVATE SEWERS AND DRAINS: CLASS B UNLESS STATED OTHERWISE. CARRIAGEWAYS: CLASS S UNLESS SHOWN OTHERWISE. PRIVATE ROADS AND DRIVES: WHERE COVER UNDER DRIVES IS LESS THAN 900mm USE CLASS A.
6. ALL DRAINS SHALL BE FLEXIBLY JOINTED AND WHERE PIPES PASS THROUGH FOOTINGS, RETAINING WALLS OR SCREEN WALLS, UNTELS SHALL BE PROVIDED OVER PIPES.
7. WHERE DRAINS ARE CLOSE TO BUILDINGS REFER TO CLAUSE 5.3-5.3 OF THE BUILDING REGULATIONS APPROVED DOCUMENT H. REFER TO DRAWING No. 3352.510 FOR DETAIL.
8. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS. COVER LEVELS SHOWN ARE INDICATIVE ONLY.
9. ALL MANHOLE/INSPECTION CHAMBERS LOCATED WITHIN PRIVATE BLOCK PAVED ROAD OR DRIVES SHALL BE D400 HEAVY DUTY RECESSED COVERS TO RECEIVE MATCHING BLOCKS IN ALL CASES. MANHOLE/INSPECTION CHAMBERS LOCATED WITHIN PATHS/PATIOS SHALL BE RECESSED COVERS TO RECEIVE MATCHING SLABS.
10. CONTRACTOR TO VERIFY MANHOLE LOCATIONS, PIPE DIAMETERS AND LEVELS PRIOR TO MAKING ANY CONNECTIONS TO EXISTING SEWERS AND DRAINS AND CONFIRM FINDINGS TO THE ENGINEER
11. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING FOUL AND SURFACE WATER FLOWS AT ALL TIMES DURING CONSTRUCTION.
12. ROAD GULLIES TO BE SEALED DURING CONSTRUCTION TO PREVENT BLOCKAGES AND SYSTEM JETTED CLEAN UPON COMPLETION (MAXIMUM JETTING PRESSURE OF 180BAR OR 2600PSI).
13. AS BUILT DRAINAGE PLANS TO BE PROVIDED BY THE GROUNDWORKS CONTRACTOR TO BHSL SHOWING THE LINE AND LEVEL OF ALL DRAINAGE CONSTRUCTED.
14. FOR TYPICAL CONSTRUCTION DETAILS, SEE DRAWING No.'s 4471.518 TO 4471.523.

SURFACE WATER MANHOLE SCHEDULE					
REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT(m)	MANHOLE TYPE	DIAMETER (mm)
S1	24.51	23.090	1.420	2	1200
S2	27.59	26.160	1.430	2	1200
S3	25.64	24.240	1.400	2	1200
S4	24.71	22.820	1.890	2	1200
S5	24.65	22.650	2.000	2	1200
S6	24.28	22.410	1.870	2	1200
S7	29.71	28.290	1.420	2	1200
S8	29.18	27.160	2.020	2	1200
S9	28.92	27.420	1.500	2	1200
S10	28.29	27.190	1.100	2	1200
S11	28.45	26.950	1.500	2	1200
S12	29.58	28.160	1.420	2	1200
S13	29.14	27.640	1.500	2	1200
S14	27.55	25.975	1.575	2	1200
S15	26.81	25.380	1.430	2	1200
S16	26.29	24.790	1.500	2	1200
S17	25.99	24.415	1.575	2	1200
S18	25.37	23.801	1.569	2	1200
S19	25.42	23.725	1.695	2	1200
S20	21.75	21.030	0.720	4	900x600
S21	28.11	26.780	1.330	2	1200
SC-1	22.45	21.500	0.950	HYDROBRAKE	1500
SC-2	23.50	22.100	1.400	HYDROBRAKE	1500

FOUL WATER MANHOLE SCHEDULE					
REFERENCE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT(m)	MANHOLE TYPE	DIAMETER (mm)
F1	24.53	22.680	1.850	2	1200
F2	25.79	24.121	1.669	2	1200
F3	25.20	23.345	1.855	2	1200
F4*	24.77	22.500	2.270	2	1200
F5	24.62	22.410	2.210	2	1200
F6	24.04	22.160	1.880	2	1200
F7	23.62	21.770	1.850	2	1200
F8*	23.31	20.200	3.110	1B	1200
F9	24.06	19.970	4.090	2	1200
F10	29.80	27.790	2.010	2	1200
F11	29.29	27.270	2.020	2	1200
F12	28.94	26.930	2.010	2	1200
F13	28.78	26.770	2.010	2	1200
F14	28.45	26.550	1.900	2	1200
F15	29.60	27.750	1.850	2	1200
F16	28.06	27.210	1.850	2	1200
F17	27.54	25.520	2.020	2	1200
F18	26.15	24.140	2.010	2	1200
F19	26.59	24.010	2.580	2	1200
F20	27.07	23.860	3.210	1B	1200
F21	26.23	23.710	2.520	2	1200
F22*	26.00	19.420	6.580	1B	1200
F23	24.06	19.810	4.250	1B	1200
F24	25.40	19.480	5.920	1B	1200
F25	27.15	25.150	2.000	2	1200

*DENOTES MANHOLE WITH INTERNAL BACKDROP

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN METRES, UNLESS STATED OTHERWISE.
3. LEVELS ARE IN METERS & RELATE TO OS DATUM.
4. SURVEY COORDINATES RELATE TO A LOCAL DATUM.
5. THIS DRAWING IS BASED ON TOPOGRAPHICAL SURVEY UNDERTAKEN BY:- SITE ENGINEERING & LAND SURVEYS LTD 3-5 REDHILL BASSETT SOUTHAMPTON
6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT SCHEME DRAWINGS AND SPECIFICATIONS.
7. ALL EXISTING LEVELS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS.
8. ALL WORKS WITHIN THE PUBLIC HIGHWAY TO BE CARRIED OUT IN STRICT ACCORDANCE WITH "THE SPECIFICATION FOR HIGHWAY WORKS - MODIFIED AND EXTENDED", INCLUDING HAMPSHIRE COUNTY COUNCIL'S SUPPLEMENTARY CLAUSES.
9. ALL WORKS WITHIN THE PUBLIC HIGHWAY SHALL BE CARRIED OUT AND COMPLY WITH THE REQUIREMENTS OF THE DTP "TRAFFIC SIGNS MANUAL CHAPTER 8 - TRAFFIC SAFETY MEASURES AND SIGNS FOR ROAD WORKS AND TEMPORARY SITUATION".
10. ALL ROAD MARKINGS AND TRAFFIC SIGNS SHALL COMPLY WITH "THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002", INCLUDING TRAFFIC SIGNS MANUAL CHAPTERS 4 & 5.
11. ANY DISCREPANCIES WITH THE ORIGINAL SITE SURVEY MUST BE IMMEDIATELY REPORTED TO THE EMPLOYER.

HAVANT BOROUGH COUNCIL

14 OCT 2013

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PRELIMINARY ISSUE

B	PLOTS 1, 7, 8, 19, 28 & 29 REVISED. PLOT RETAINING WALLS AND STREET LIGHTING ADDED. EXTRA ROAD GULLIES ADDED	MSR	07.10.13	
A	MINOR ALTERATIONS TO LAYOUT. FFL'S & SEWERS & SCHEDULES REVISED. PRIVATE DRAINAGE ADDED	MSR	05.09.13	
Rev	Description	Dm	Chk	Date
REVISIONS				
Preliminary Issue	✓	Submitted for S104		
Planning Issue		Issued for Tender		
Submitted for S38		Issued for Construction		
Submitted for S278		As Built		
DRAWING STATUS				

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CRAYFERN HOMES LTD

SCRATCHFACE LANE
BEDHAMPTON

DRAINAGE LAYOUT
SHEET 1

DATE	JUNE 2013	DRAWN	TSW	CHECKED	
DRAWING No.	4423.505	REV		SCALE	1:250 @ A1
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