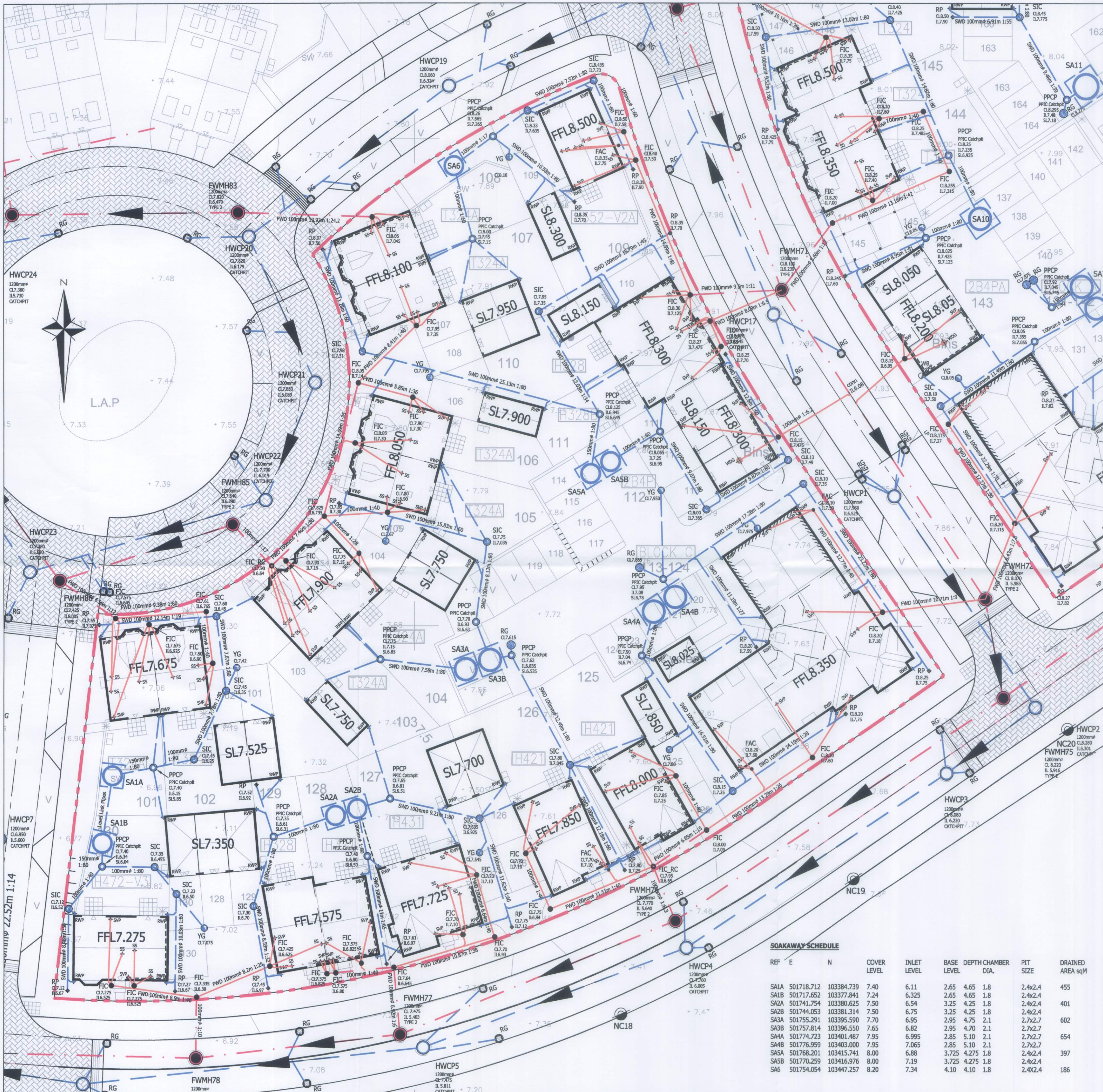




- GENERAL NOTES**
- The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations, record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. Any discrepancies shall be notified to gta prior to works commencing.
 - Tender or billing drawings shall not be used for construction or the ordering of materials.
 - Do not scale. All dimensions and levels to be site confirmed.
 - This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.
 - Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
 - All drawings specifications and recommendations are by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.
- GENERAL NOTES**
- ALL ADAPTABLE HIGHWAY CONSTRUCTION WORKS SHALL BE CARRIED OUT TO THE STANDARD LAID DOWN IN THE WEST SUSSEX COUNTY COUNCIL SPECIFICATIONS, WITH A VIEW TO ADOPTION UPON COMPLETION. REFER TO gta civils Ltd DRAWINGS, SERIES 4485 FOR ALL DETAILS OF ADAPTABLE HIGHWAY WORKS AND SPECIFICATIONS.
 - ALL ADAPTABLE SEWERS AND SHARED DRAINS SHALL BE CONSTRUCTED TO THE STANDARDS LAID DOWN IN "SEWERS FOR ADOPTION" 7th EDITION, AND SOUTHERN WATER SPECIFICATIONS, WITH A VIEW TO ADOPTION UPON COMPLETION. REFER TO gta civils Ltd DRAWINGS, SERIES 4485 FOR ALL DETAILS OF ADAPTABLE INFRASTRUCTURE DRAINAGE.
 - BEFORE CONNECTIONS ARE MADE TO EXISTING DRAINAGE, ITS LEVEL IS TO BE CHECKED AND CONFIRMED AGAINST LEVELS SHOWN ON THIS DRAWING AND THIS OFFICE INFORMED ON ANY SIGNIFICANT DIFFERENCE.
 - ALL SEWERS WITH LESS THAN 1.2m OF COVER WHEN LAD BENEATH THE ROADS, OR 0.6m OF COVER IN OTHER AREAS, SHALL BE PROTECTED WITH CONCRETE IN ACCORDANCE WITH EITHER OF THE DETAILS SHOWN ON THE STANDARD DRAWING PROVIDED (FOR BEDDING TYPE LOCATIONS, REFER TO SEWER SECTIONS).
 - THE MINIMUM SIZE OF PIPE CONNECTING GULLIES TO THE SOAKAWAYS SHALL BE 150mm DIA. LAID AT A MINIMUM GRADIENT OF 1 IN 80.
 - ALL SOAKAWAYS TO BE CONSTRUCTED TO THE MINIMUM DEPTHS SHOWN ON THIS DRAWING AND THOSE SHOWN ON THE "STANDARD DRAWINGS".
 - IN ORDER TO MAINTAIN THE SATISFACTORY FUNCTIONING OF SOAKAWAYS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
 - THE DESIGN IS SUCH THAT WATER FROM PRIVATE AREAS DOES NOT SHED TO ADAPTABLE AREAS AND VICA VERSA.
 - ALL PRIVATE SEWERS ARE TO BE 100mm DIA. UNLESS OTHERWISE STATED. THE PRIVATE DRAINAGE DESIGN ON THE PLAN HAS BEEN BASED ON THE PRINCIPLES OF A U.P.V.C. SYSTEM. IT CAN BE ADAPTED TO SUIT A STONEWARE SYSTEM BUT REFERENCE SHOULD BE MADE TO THIS OFFICE BEFORE AMENDMENTS ARE MADE.
 - ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT "H" BRITISH STANDARD 8301, AND TO THE SATISFACTION OF THE BUILDING CONTROL SECTION.
 - MANHOLES SITUATED WITHIN AREAS ACCESSIBLE TO MOTOR VEHICLES ARE TO BE FITTED WITH SUITABLE STRENGTH COVERS AND FRAMES.
 - WHERE DRAINS PASS THROUGH FOUNDATIONS, A FLEXIBLE JOINT SHOULD BE PROVIDED WITHIN 150mm OF THE FACE OF THE STRUCTURE, WHERE TYPE 2 MANHOLES ARE EMPLOYED OR CONCRETE SURROUND IS ADDED TO OTHER MANHOLES A ROCKER PIPE OF MAX 600mm IN LENGTH SHALL BE PROVIDED EITHER SIDE OF THE MANHOLE, LAID AT A SUFFICIENT STEEP GRADIENT TO ALLOW FOR SETTLEMENT.
 - STUB STACKS FITTED WITH AIR ADMITTANCE VALVES MAY BE USED INSTEAD OF SOIL AND VENT PIPES, SUBJECT TO THE ARCHITECTS APPROVAL (EXCEPT WHERE THE DRAINAGE CONNECTION EXCEEDS 10m BEFORE CONNECTING WITH ANOTHER VENTILATED DRAIN OR INSPECTION CHAMBER OR MANHOLE). HEAD OF DRAIN VENT PIPES MUST NOT BE FITTED WITH AIR ADMITTANCE VALVES.
 - SHALLOW PRIVATE DRAINS MAY REQUIRE PROTECTION USING CONCRETE SURROUND OR PAVING SLABS BRIDGING THE TRENCH SUBJECT TO THE BUILDING INSPECTORS REQUIREMENTS.
 - APPROPRIATE MEASURES (TO BE AGREED WITH THE BUILDING CONTROL SECTION) ARE TO BE TAKEN TO DISCOURAGE RODENT ENTRY INTO THE PROPERTIES.
 - WHERE DRAIN RUNS PASS CLOSE TO BUILDINGS OR THEIR INVERT LEVELS ARE BELOW FOUNDATION LEVEL, THEN THE TRENCHES ARE TO BE BACKFILLED IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED.
 - REFERENCE SHOULD BE MADE TO THE STRUCTURAL ENGINEERS DETAILS FOR ALL ASPECTS OF FOUNDATION DESIGN AND CONSTRUCTION.
 - BEFORE DETERMINING THE AMOUNT OF FACE BRICKWORK TO EACH UNIT, CONSIDERATION MUST BE GIVEN TO THE PROPOSED FINISHED GROUND LEVELS IN THE VICINITY OF THE PROPERTY. THE LEVELS SHOWN ON THIS DRAWING HAVE BEEN DESIGNED UPON THE PARAMETERS SET DOWN IN THE APPROVED DOCUMENT "H" OF THE BUILDING REGULATIONS 2000 (2004 EDITION).
 - THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
 - THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
 - IT IS THE SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH CURRENT BUILDING REGULATIONS AND CODES OF PRACTICE.

KEY

- Site Boundary
- Adaptable Storm Drainage S38
- Adaptable Foul Drainage S104
- Private Storm Drainage
- Private Foul Drainage
- Adaptable Foul Sewer Manhole
- Adaptable Storm Sewer Manhole
- Adaptable Road Gully
- SWMH
- FIC_RC
- SIC_RC
- FIC
- PPCP
- SIC
- FAC
- SAC
- RP
- SWP
- SS
- WDG
- RWP
- RG
- YG
- Channel Drain
- SA
- Direction of Fall

SOAKAWAY SCHEDULE

REF	E	N	COVER LEVEL	INLET LEVEL	BASE LEVEL	DEPTH CHAMBER DIA.	PIT SIZE	DRAINED AREA SQM	
SA1A	501718.712	103384.739	7.40	6.11	2.65	4.65	1.8	2.4x2.4	455
SA1B	501717.652	103377.841	7.24	6.325	2.65	4.65	1.8	2.4x2.4	
SA2A	501741.754	103380.625	7.50	6.54	3.25	4.25	1.8	2.4x2.4	401
SA2B	501744.053	103381.314	7.50	6.75	3.25	4.25	1.8	2.4x2.4	
SA3A	501755.291	103395.590	7.70	6.95	2.95	4.75	2.1	2.7x2.7	602
SA3B	501757.814	103396.550	7.65	6.82	2.95	4.70	2.1	2.7x2.7	
SA4A	501774.723	103401.487	7.95	6.995	2.85	5.10	2.1	2.7x2.7	654
SA4B	501768.959	103403.000	7.95	7.065	2.85	5.10	2.1	2.7x2.7	
SA5A	501768.201	103415.741	8.00	6.88	3.725	4.275	1.8	2.4x2.4	397
SA5B	501770.259	103416.976	8.00	7.19	3.725	4.275	1.8	2.4x2.4	
SA6	501754.054	103447.257	8.20	7.34	4.10	4.10	1.8	2.4x2.4	186

E	UPDATED TO CURRENT PLANNING LAYOUT		08.11.13	DMS	NS
D	FOUL LATERALS ADJUSTED TO AS-BUILT INFRASTRUCTURE		01.10.13	DMS	ds
C	LATERAL GRADIENTS ADJUSTED TO REVISED INFRASTRUCTURE		24.09.13	DMS	NS
B	SITE BOUNDARY ADDED		09.09.13	DMS	ds
A	GROUNDWORKS TENDER ISSUE		04.09.13	DMS	NS
-	PRELIMINARY FOUL DRAINAGE ISSUE TO DESIGN TEAM FOR INFORMATION		22.08.13	DMS	MR
Rev	Amendments		Date	Dsn	Chk
Status			PRELIMINARY		
Client			BELLWAY HOMES (WESSEX)		
Architect			AAP ARCHITECTURE		
Project			PHASE 1, COURTWICK LANE LITTLEHAMPTON		
Title			DRAINAGE LAYOUT SHEET 1 OF 2 PLOTS 101-130		
Date		AUGUST 2013		Scale @ A1 1:200	
Base Layout Ref.			CAD File ref.		
Clients Ref.			Project Ref. 4650		
					
CONSULTING ENGINEERS gloucester house, 66a church walk, burgess Hill, west sussex, RH15 9as tel.01444 871444 fax.01444 871401 web: www.gtacivils.co.uk					
Drawing Number			4650/101		Rev.
					E