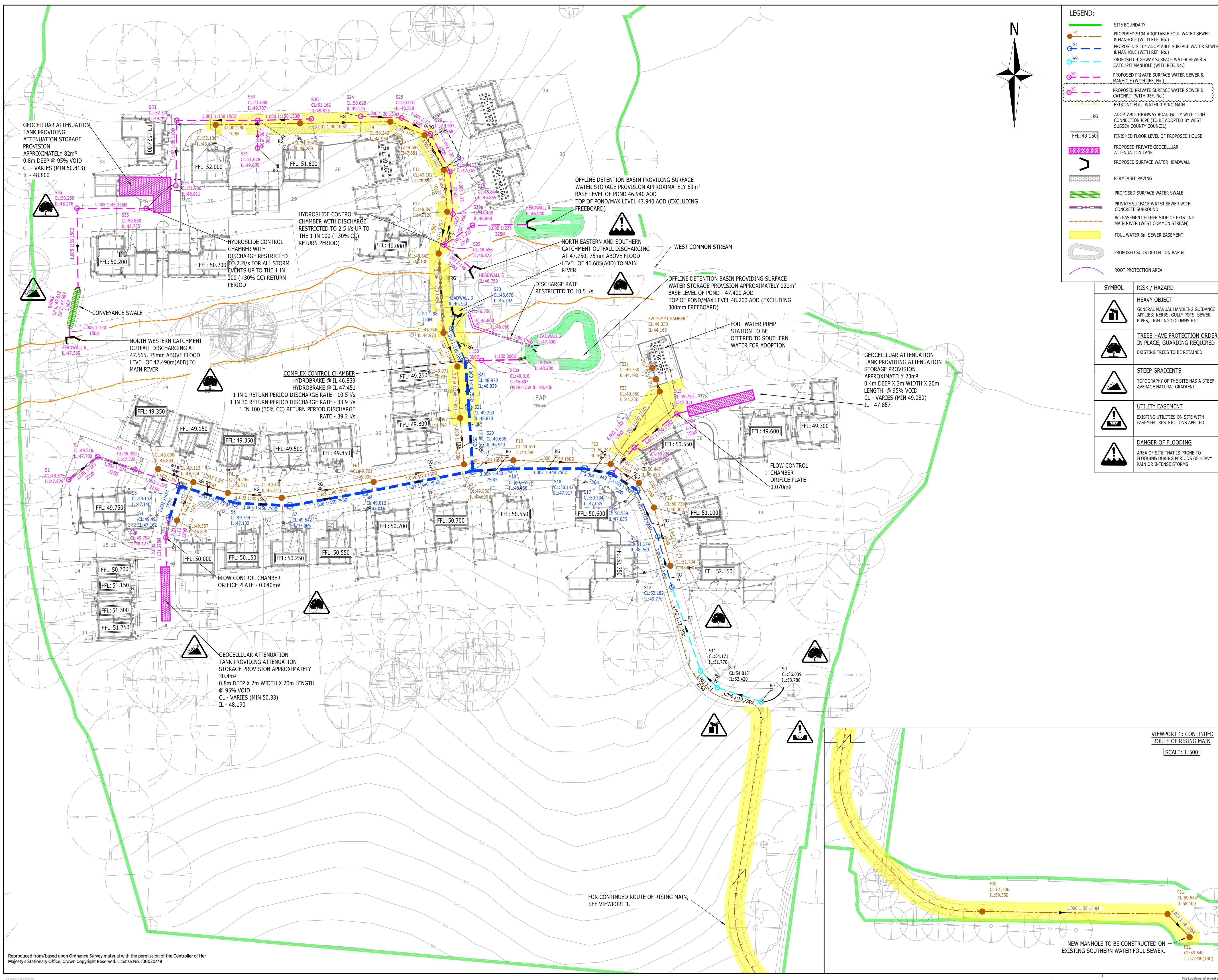




LEGEND:

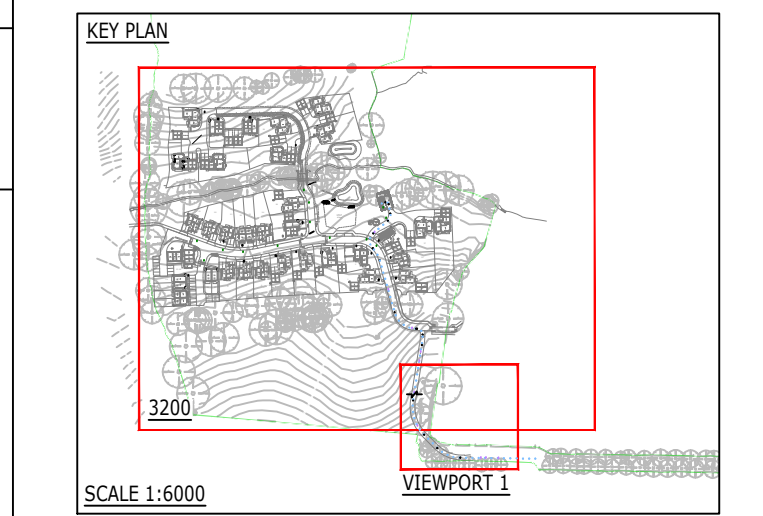
- SITE BOUNDARY
- PROPOSED S104 ADAPTABLE FOUL WATER SEWER & MANHOLE (WITH REF. No.)
- PROPOSED S104 ADAPTABLE SURFACE WATER SEWER & MANHOLE (WITH REF. No.)
- PROPOSED HIGHWAY SURFACE WATER SEWER & CATCHPIT (WITH REF. No.)
- PROPOSED PRIVATE SURFACE WATER SEWER & MANHOLE (WITH REF. No.)
- PROPOSED PRIVATE SURFACE WATER SEWER & CATCHPIT (WITH REF. No.)
- EXISTING FOUL WATER RISING MAIN
- ADAPTABLE HIGHWAY ROAD GULLY WITH 1500 CONNECTION PIPE (TO BE ADOPTED BY WEST SUSSEX COUNTY COUNCIL)
- FFL: 49.150 FINISHED FLOOR LEVEL OF PROPOSED HOUSE
- PROPOSED PRIVATE GEOCELLULAR ATTENUATION TANK
- PROPOSED SURFACE WATER HEADWALL
- PERMEABLE PAVING
- PROPOSED SURFACE WATER SWALE
- PRIVATE SURFACE WATER SEWER WITH CATCHPIT (WITH REF. No.)
- 8m EASEMENT EITHER SIDE OF EXISTING MAIN RIVER (WEST COMMON STREAM)
- FOUL WATER 6m SEWER EASEMENT
- PROPOSED SUDS DETENTION BASIN
- ROOT PROTECTION AREA

SYMBOL	RISK / HAZARD
	HEAVY OBJECT GENERAL MANUAL HANDLING GUIDANCE APPLIES: KERBS, GULLY POTS, SEWER PIPES, LIGHTING COLUMNS ETC.
	TREES HAVE PROTECTION ORDER IN PLACE, GUARDING REQUIRED EXISTING TREES TO BE RETAINED
	STEEP GRADIENTS TOPOGRAPHY OF THE SITE HAS A STEEP AVERAGE NATURAL GRADIENT
	UTILITY EASEMENT EXISTING UTILITIES ON SITE WITH EASEMENT RESTRICTIONS APPLIED
	DANGER OF FLOODING AREA OF SITE THAT IS PRONE TO FLOODING DURING PERIODS OF HEAVY RAIN OR INTENSE STORMS

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS (SEE CDM NOTES) AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
 - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
 - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
 - ANY WORKS OUTSIDE RED SITE BOUNDARY ARE FOR INFORMATION PURPOSES ONLY. UNLESS SPECIFICALLY NOTED, ALL WORKS OUTSIDE THE SITE BOUNDARY WILL BE UNDERTAKEN BY OTHERS UNDER A SEPARATE CONTRACT.
 - COVER AND FRAMES TO MANHOLES/INSPECTION CHAMBERS TO COMPLY WITH BS EN124.
 - BACKFILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 300mm (UNCOMPACTED THICKNESS), EACH LAYER BEING WELL COMPACTED. MECHANICAL COMPACTION EQUIPMENT SHOULD NOT BE USED UNTIL THERE IS A MINIMUM OF 450mm OF COMPACTED MATERIAL ABOVE THE CROWN OF THE PIPE.
 - ALL DRAIN CONNECTIONS BENEATH THE HIGHWAY ARE TO BE 150mmØ AND HAVE MINIMUM 100mm CONCRETE BED AND SURROUND, WHERE COVER IS LESS THAN 1.2m.
 - ALL SEWERS ARE TO BE DESIGNED TO SEWERS FOR ADOPTION 6TH EDITION AND SOUTHERN WATER REQUIREMENTS.
 - ALL HIGHWAY DRAINS AND GULLIES ARE TO BE CONSTRUCTED TO WEST SUSSEX COUNTY COUNCIL REQUIREMENTS.
 - TOPOGRAPHICAL SURVEY BY ASSOCIATED SURVEYING CONSULTANTS (CSA), DATED SEPTEMBER 2013

THE ATTENTION OF THE CLIENT, PRINCIPAL DESIGNER, PRINCIPAL CONTRACTOR, DESIGNERS AND CONTRACTORS IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT.

- WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABUTTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURERS ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS HAND DUG AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.



CONSTRUCTION ISSUE

C2	PIPE NUMBER 1.002 PIPE SIZE UPDATED TO SUIT CONNECTIONS. S34 CHANGED TO CATCHPIT.	MJR	JC	GH	23.07.18
C1	ADDITIONAL ROAD GULLIES ADDED. ISSUED FOR CONSTRUCTION.	MJR	EF	AC	01.12.17
T5	SURFACE WATER DISCHARGE RATES UPDATED TO SUIT DRAINAGE CALCULATIONS.	MJR	EF	AC	27.11.17
T4	FW INVERT LEVELS AMENDED. FOUL WATER EASEMENT FOR FOUL PIPE 1.007 UPDATED. RISING MAIN CONNECTION ADDED. CONCRETE CHANNEL ADDED TO HEADWALL 2.	MJR	EF	AC	06.11.17
T3	NW HEADWALL REF. AMENDED. F23 AND INLET MANHOLE IL AMENDED. PERMEABLE PAVING ADDED.	MJR	EF	AC	29.08.17
T2	DRAINAGE UPDATED TO AMENDED PLANNING SUBMISSION.	EF	EF	AC	28.07.17
T1	ISSUED FOR TENDER.	MJR	EF	AC	05.05.17
-	DRAFT, ISSUED FOR INFORMATION.	MJR	AC	-	28.04.17
Rev	Description	Drn	Chk	App	Date

ARDENT CONSULTING ENGINEERS

Suite 207
One Alie Street
London
E1 8DE

Tel: 020 7680 4088
Fax: 020 7488 3736

Web: www.ardent-ce.co.uk
E-mail: enquiries@ardent-ce.co.uk

worksafe consultant
www.smesit.co.uk

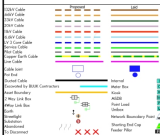
SSIP
SAFETY
SUSSEX
INSTITUTION
MEMBER

Client: **Crest Nicholson South**
Crest House
Pymoor Road
Chertsey
Surrey
KT16 9GN

Project Title: **BIRCHEN LANE, LINDFIELD**

Drawing Title: **MAIN DRAINAGE GENERAL ARRANGEMENT**

A1 Scale	1:500	Date	APRIL 2017	Designed by	RW
Drawn by	RW	Checked by	AC	Approved by	
Drawing Number	14719-3200	Rev	C2		





To Document

Developers Responsibility
What apparatus has been laid it becomes the responsibility of the developer to ensure it is suitably protected, therefore (backfilling should be carried out as soon as possible. Replacement and repair of damaged apparatus, including administrative costs will be fully reimbursed to the developer. It will be the developer's responsibility to recover the costs from the third parties.

Tel: 01359 240363
www.gfe-uk.co.uk

Last Approved By JAMES EATON

OS Ref:

Birchen Lane, HAYWARDS
HEATH, RH16 1RY

Developer/Client:

EN0018555-1_3 of 3_Rev1-0_Contestabl

N0018555		N0018555-1	
Scale:	Sheet Size:	Revision:	

13. *Journal of the American Medical Association*, 2000; 284: 2689-2694.

024