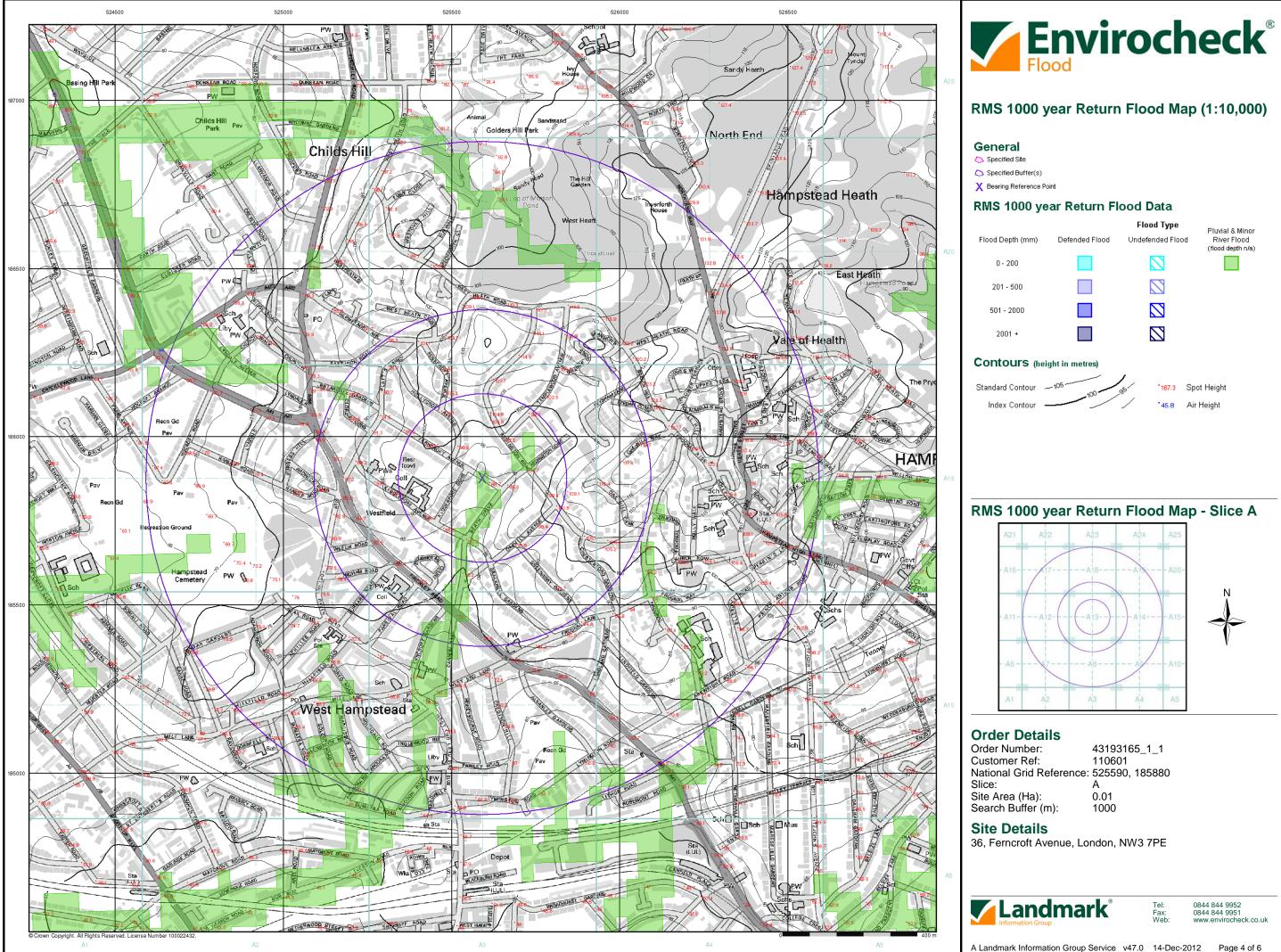
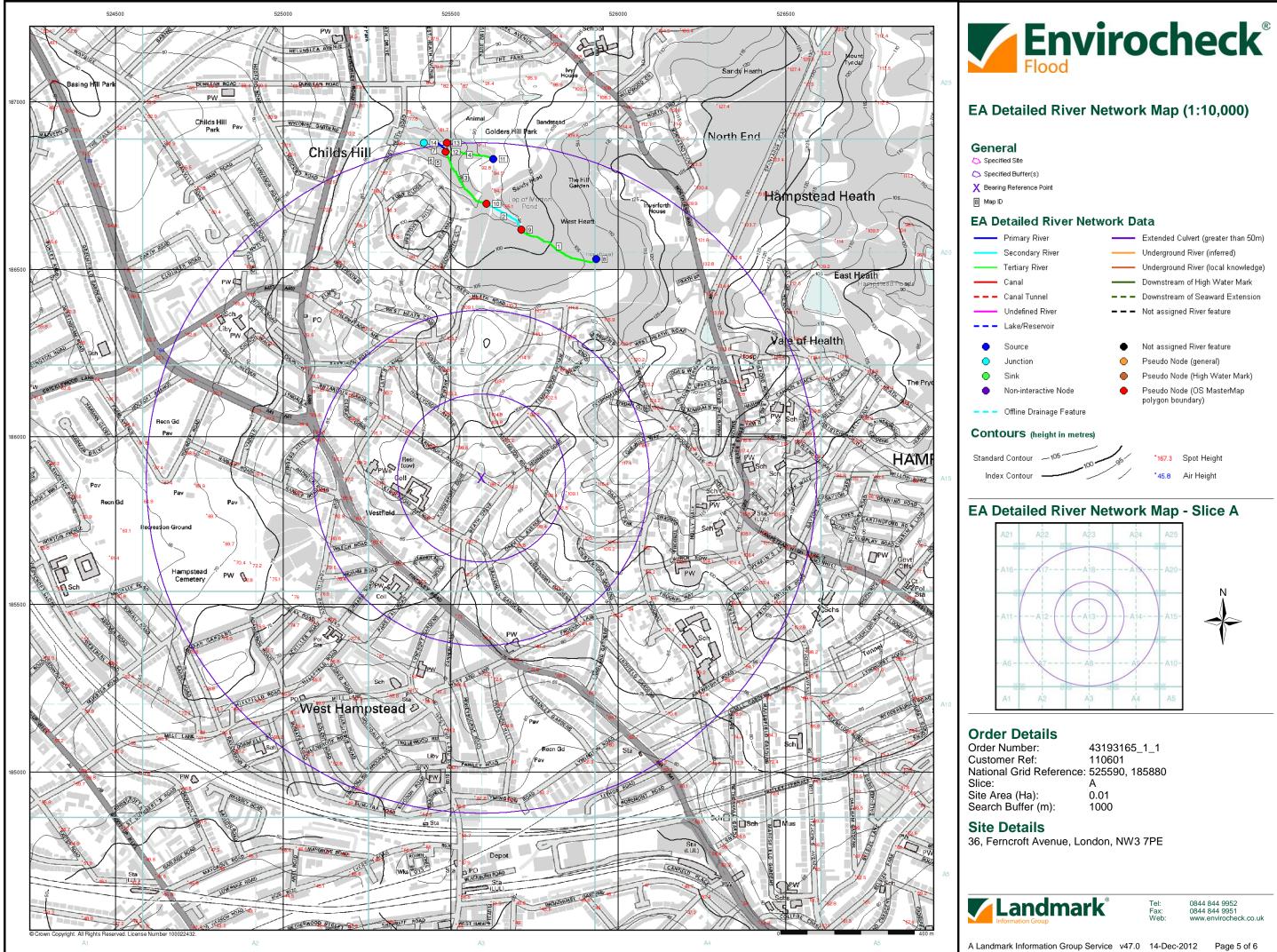
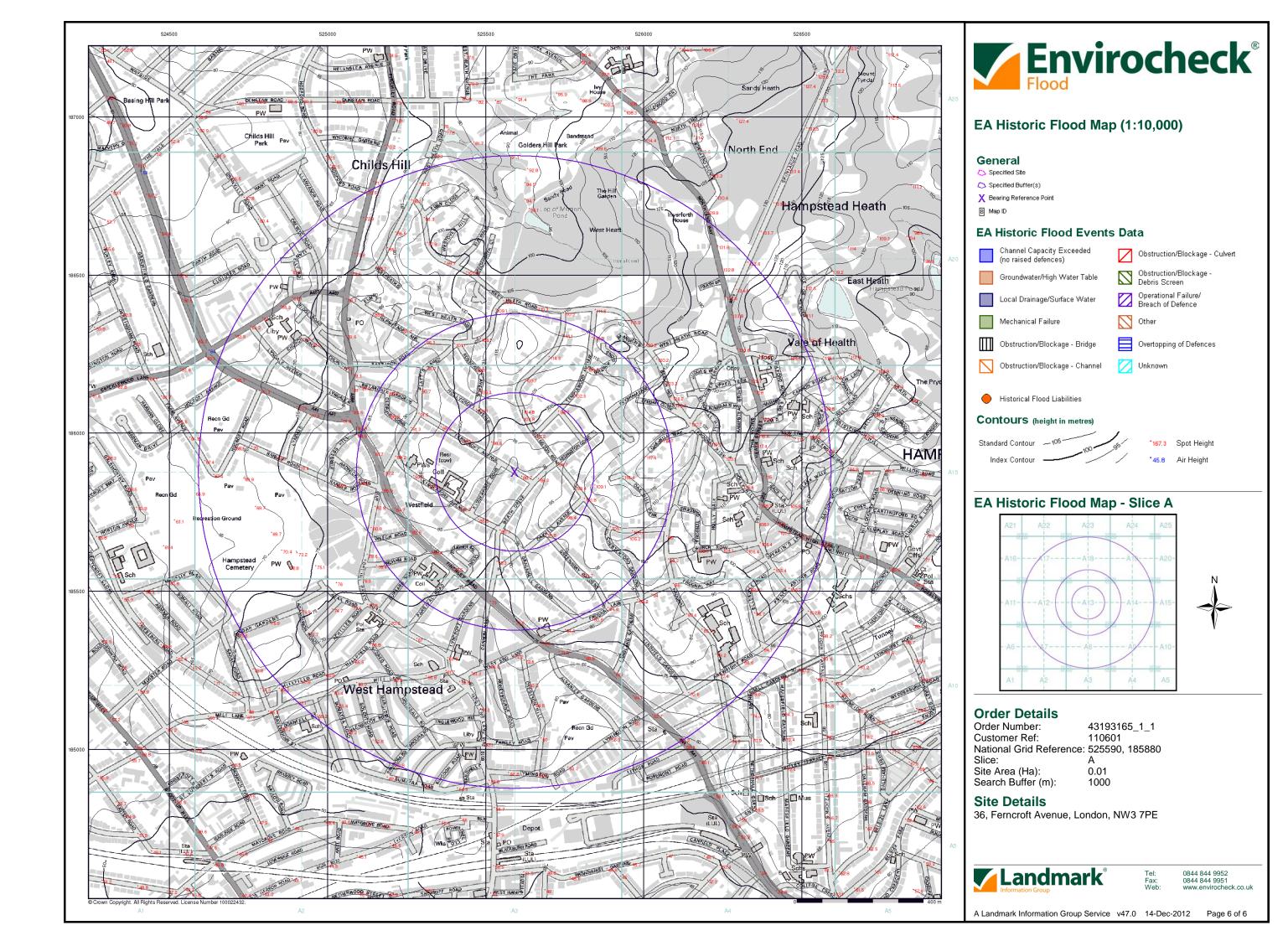


0.00.00	
Order Number:	43193165_1_1
Customer Ref:	110601
National Grid Reference:	525590, 185880
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000









Envirocheck[®] Report:

Flood Screening Report Datasheet

Order Details:

Order Number: 43193165_1_1

Customer Reference: 110601

National Grid Reference: 525590, 185880

Slice:

Site Area (Ha): 0.01

Search Buffer (m): 1000

Site Details:

36, Ferncroft Avenue London NW3 7PE

Client Details:

Mr T Attwood Alan Conisbee & Associates 1-5 Offord Street London N1 1DH





Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing features or the existence of a data set in relation to the buffer(s) selected. For ease of referen down into seven sections of data.	
EA / CEH Flood Data	-
This section details data from the Environment Agency and the Centre for Ecology and Hydro	ology.
The EA data is reported to a distance of 250m from the edge of the site polygon and details be Zone 3 flood extents, as well as flood defences, flood water storage areas and areas benefitir	
The CEH data is reported to a distance of 250m from the edge of the site polygon and covers divided into levels based on the frequency and magnitude of a predicted 100 year term.	flood data for Scotland,
All data sets within this section are plotted and feature on the EA / CEH Flood Data (1:10,000 OS Contour data is also plotted, detailing contours, spot heights and air heights.) map. For added value,
RMS Flood Data	1
This section contains the Risk Management Solutions flood data. The data is based upon the occurence for 3 flood return periods; these being 75 years, 100 years and 1000 years.	likelihood of a flood
Each return period is depicted on a separate 1:10,000 scale map and reports features to a disedge of the site polygon.	stance of 250m from the
Each return period can detail both defended and/or undefended flood features, with each feat associated flood depth. In addition pluvial flood features are also detailed where applicable, b included. For added value, OS Contour data is also plotted, detailing contours, spot heights a	ut tidal flooding is not
BGS Flood Data	2
This section contains two BGS data sets; namely Geological Indicators of Flooding and Grou Susceptibility, both of which report features out to a possible 1000m, with coverage in Englan	
Each data set is plotted on a seperate BGS Flood Data (1:50,000) map.	
EA Detailed River Network Data	3
This section details 3 sources of data that depict and detail the river network of England and from the water features theme of Ordnance Survey's OS MasterMap Topography Layer.	Wales, captured primarily
The DRN Lines data set details all the types of rivers, drains and streams which can be found	l in England and Wales.
The DRN Nodes data set details the river, drain and stream node intersections which divide to data. All nodes are defined as being one of the following: A source, sink, junction, or pseudo assigned.	
The DRN Offline Drainage dataset details water features from OS MasterMap that do not con and are generally limited in length.	nect into the river network
All data sets within this section are plotted and feature on the EA Detailed River Network (1:1 value, OS Contour data is also plotted, detailing contours, spot heights and air heights.	0,000) map. For added
EA Historic Flood Events Data	-
	hald built an descent. The E (
This section details Historic Flood data sourced from the Environment Agency and from data Historic Flood Events data is reported to a distance of 1000m from the edge of the site polygo historic flood events from 1703 to October 2008. The data also contains information on the so flood, and how the flood outline was established.	on and details recorded
Historic Flood Events data is reported to a distance of 1000m from the edge of the site polygor historic flood events from 1703 to October 2008. The data also contains information on the so	on and details recorded burce and cause of the s areas that are liable to



Contents

7

8

EA NaFRA Data _ This section details the National Flood Risk Assessment (NaFRA) data sourced from the Environment Agency and is reported to a distance of 1000m from the edge of the site polygon. The NaFRA data provides an indication of flood risk at a national level. The data has been created by calculating the actual likelihood of flooding to areas of land within the flood plain of an extreme flood (0.1% or 1 in 1000 chance in any year). The method considers the probability that the flood defences will overtop or breach, and the distance of the impact cell from the river or the sea. It enables a comparison of the relative risks and their distribution within each of these catchments, rather than a detailed, local assessment of the risk at a specific location. EA do not hold information on properties (including floor levels). NaFRA data can therefore only assessed if there are properties within the impact cells where EA have assessed the flood risk. The data within this section is plotted and feature on the EA NaFRA Data (1:50,000) map. **Flood Insurance Risk Data** 5 This section contains flood risk data from Crawford and Company. This dataset is not plotted on any of the associated Flood maps. Crawford & Co have generated an Insurance Claims rating for Flood Risk. The risk is determined by comparing the number of flood insurance claims made to the number of properties in the postcode sector. The data will also include flood claims from domestic accidents or blocked drains, as well as flooding from river or tidal events. Flood insurance claim ratings are reported for the site only. **Data Currency** 6

Data Suppliers
Useful Contacts

Report Version v47.0



Flood Insurance Risk Data

Ma IC		Details			Estimated Distance From Site	Contact	NGR
	I	Postcode Sector Fl	ood Insurance Claim Ratings				
		Insurance Rating: Postcode Sector:	Medium Flood Insurance Claim Rating NW3 7	A13NE (N)	0	4	525592 185877

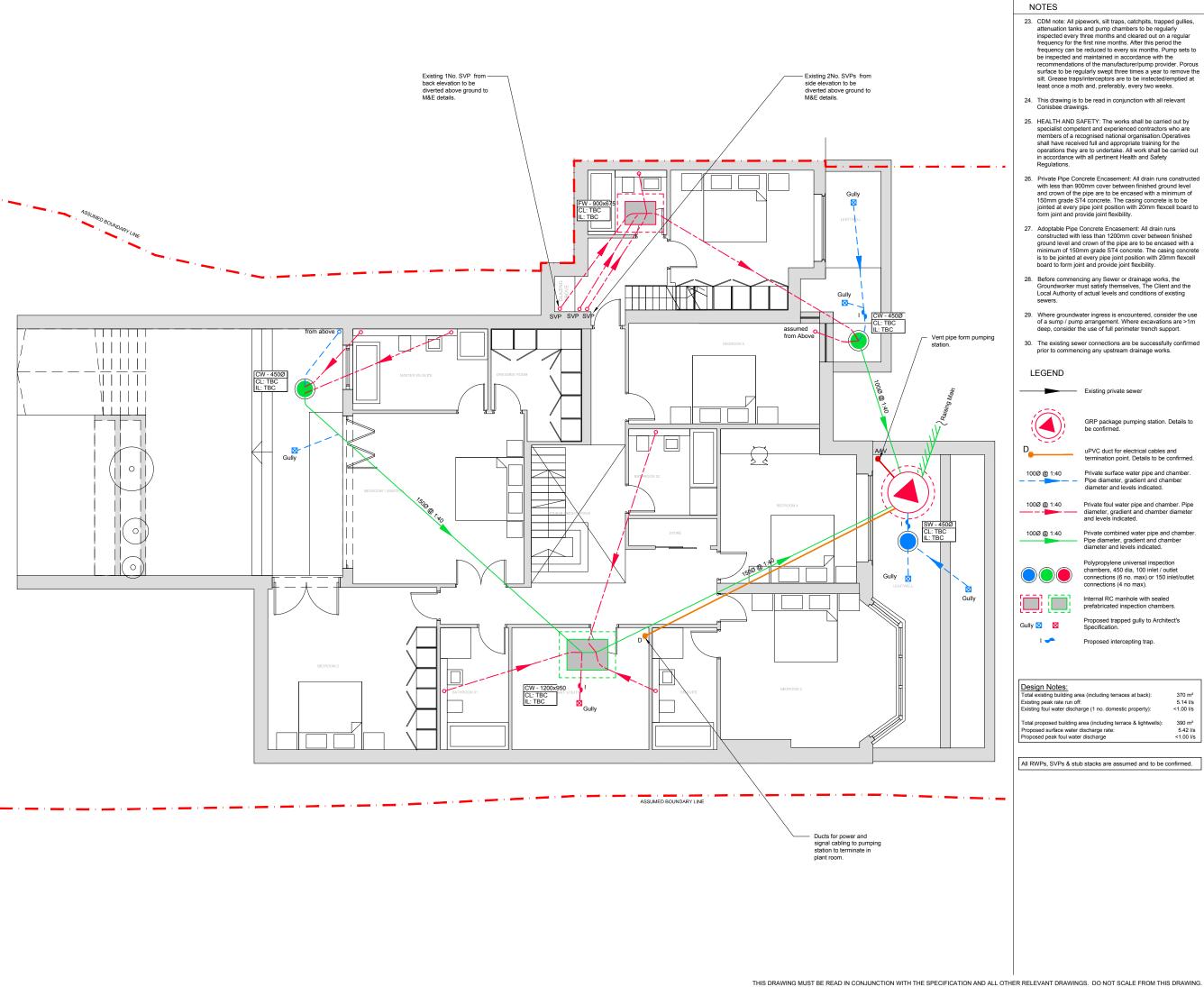
conisbee

APPENDIX E

_

_

Preliminary Drainage Layout & Site Proposals



S		N	OTES
note: All pipework, silt traps, catchpits, trapped gullies, uation tanks and pump chambers to be regularly cted every three months and cleared out on a regular ency for the first nine months. After this period the ency can be reduced to every six months. Pump sets to spected and maintained in accordance with the mendations of the manufacturer/pump provider. Porous ce to be regularly swept three times a year to remove the rease traps/interceptors are to be instected/empide at once a moth and, preferably, every two weeks.		1.	Invert levels and positions of existing drains / chambers / sewers where new connections are to be made must be checked and confirmed to the engineer prior to the commencement of any works.
		2.	All drainage works shall be carried out in accordance with the requirements of the Local Authority, the Environment Agency and in conjunction with all relevant British Standards, Codes of Practice.
		3.	All drainage shall comply with the typical details and the requirements of BS EN 752 and Part H of the Building Regulations.
drawing is bee drawi	to be read in conjunction with all relevant ngs.	4.	Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned and inspected. Any structural defects shall be repaired using appropriate and approved means.
TH AND SAFETY: The works shall be carried out by alist competent and experienced contractors who are opers of a recognised national organisation. Operatives have received full and appropriate training for the titons they are to undertake. All work shall be carried out sordance with all pertinent Health and Safety lations.		5.	For setting-out dimensions of SVPs, RWP's etc, refer to Architect's or Mechanical Engineer's drawings. Positions shown are indicative and subject to final design.
		6.	All foul and RWP connections shall be 100mm diameter unless otherwise specified.
te Pipe Concrete Encasement: All drain runs constructed ess than 900mm cover between finished ground level rown of the pipe are to be encased with a minimum of m grade ST4 concrete. The casing concrete is to be d at every pipe joint position with 20mm flexcell board to joint and provide Joint flexibility. table Pipe Concrete Encasement: All drain runs ructed with less than 1200mm cover between finished d level and crown of the pipe are to be encased with a num of 150mm grade ST4 concrete. The casing concrete be jointed at every pipe joint position with 20mm flexcell to form joint and provide joint flexibility.		7.	All precast concrete units used in the drainage works shall be manufactured using sulphate resisting cement.
		8.	Manhole covers and frames shall be BS EN 124 and shall be Kitemarked. Covers and frames shall be heavy duty D400 in carriageways and vehicular areas and medium duty B125 in footways and soft landscaping. In blocked/concrete paved areas covers shall be recessed fabricated steel. All recessed covers shall be
			in accordance with the FACTA association gradings. All internal inspection chambers to be recessed, double sealed with
			screw down covers. Cover levels are to be adjusted locally to suit finished ground levels.
ndworker n	icing any Sewer or drainage works, the nust satisfy themselves, The Client and the		At least one soil pipe at the head of each foul run shall vent to the
Authority of actual levels and conditions of existing rs. e groundwater ingress is encountered, consider the use ump / pump arrangement. Where excavations are >1m , consider the use of full perimeter trench support. existing sewer connections are be successfully confirmed to commencing any upstream drainage works.		12.	atmosphere. Existing drainage to be removed is to be broken out to bed level and void backfilled with granular material, compacted in layers not
		13.	exceeding 250mm. All drain runs from SVP's, stub stacks or FW gullies to be 100mm dia laid at 1:40 gradient unless otherwise stated. All RWP's to be
		14.	100mm dia laid 1:80 min unless otherwise stated. Access panels are to be provided to all rainwater pipes, max 600
ND			above finished ground level.
	Existing private sewer	15.	All manholes / inspection chambers in block paved areas, to have recessed covers. MH covers in paved areas to have cover & frame orientated 'square' with paving to minimise cut slabs or blocks.
	GRP package pumping station. Details to be confirmed.		All Gradients at drainage runs are indicative. runs to be laid invert to invert.
<u>_</u>	uPVC duct for electrical cables and	17.	Generally pipes to have granular Bed & Surround in accordance with manufacturers recommendations, ensuring adequate protection with respect to depth and location.
1:40	termination point. Details to be confirmed. Private surface water pipe and chamber. Pipe diameter, gradient and chamber	18.	All private drainage to be laid to levels shown using flexibly jointed pipes, either uPVC to BS 4660 and BS 5481 or vitrified clayware to BS EN 295.
1:40	diameter and levels indicated. Private foul water pipe and chamber. Pipe	19.	Rodding eyes, etc are to be laid to manufacturers minimum cover and depth to allow adequate fall from adjoining unit.
	diameter, gradient and chamber diameter and levels indicated.	20.	Where new sewers are constructed within 5m of a new or existing tree the sewer shall be concrete encased against root intrusion. Refer to drainage details.
1:40	Private combined water pipe and chamber. Pipe diameter, gradient and chamber diameter and levels indicated.	21.	All new drainage to be jetted and CCTV surveyed on completion. Contractor to make sure that the drainage is fully operational. Refer
	Polypropylene universal inspection chambers, 450 dia, 100 inlet / outlet connections (6 no. max) or 150 inlet/outlet connections (4 no max).	22.	to Drainage maintenance manual for maintenance details. All runs connecting into the public drainage network to be vitrified clay, extra length to BS EN 295 or BS65 with plain sleeved or socketed flexible joints.
	Internal RC manhole with sealed prefabricated inspection chambers.		
<u> </u>	Proposed trapped gully to Architect's Specification.		
	Proposed intercepting trap.		
rate run of			
	arge (1 no. domestic property): <1.00 l/s		
	area (including terrace & lightwells): 390 m ² discharge rate: 542 l/s	-	

discharge (1 no. domestic property):	<1.00 l/s
lding area (including terrace & lightwells):	390 m²
vater discharge rate:	5.42 l/s
I water discharge	<1.00 l/s

All RWPs, SVPs & stub stacks are assumed and to be confirmed.



TG

Check

Date FEB '13

Scale 1:50 @ A1

Drawn DN Engineer TG

Project No 110601

Drawing No C100

Revision **P1**

DN

Drawn

P1 11.03.13 Issued for inclusion in FRA.

Rev Date Description

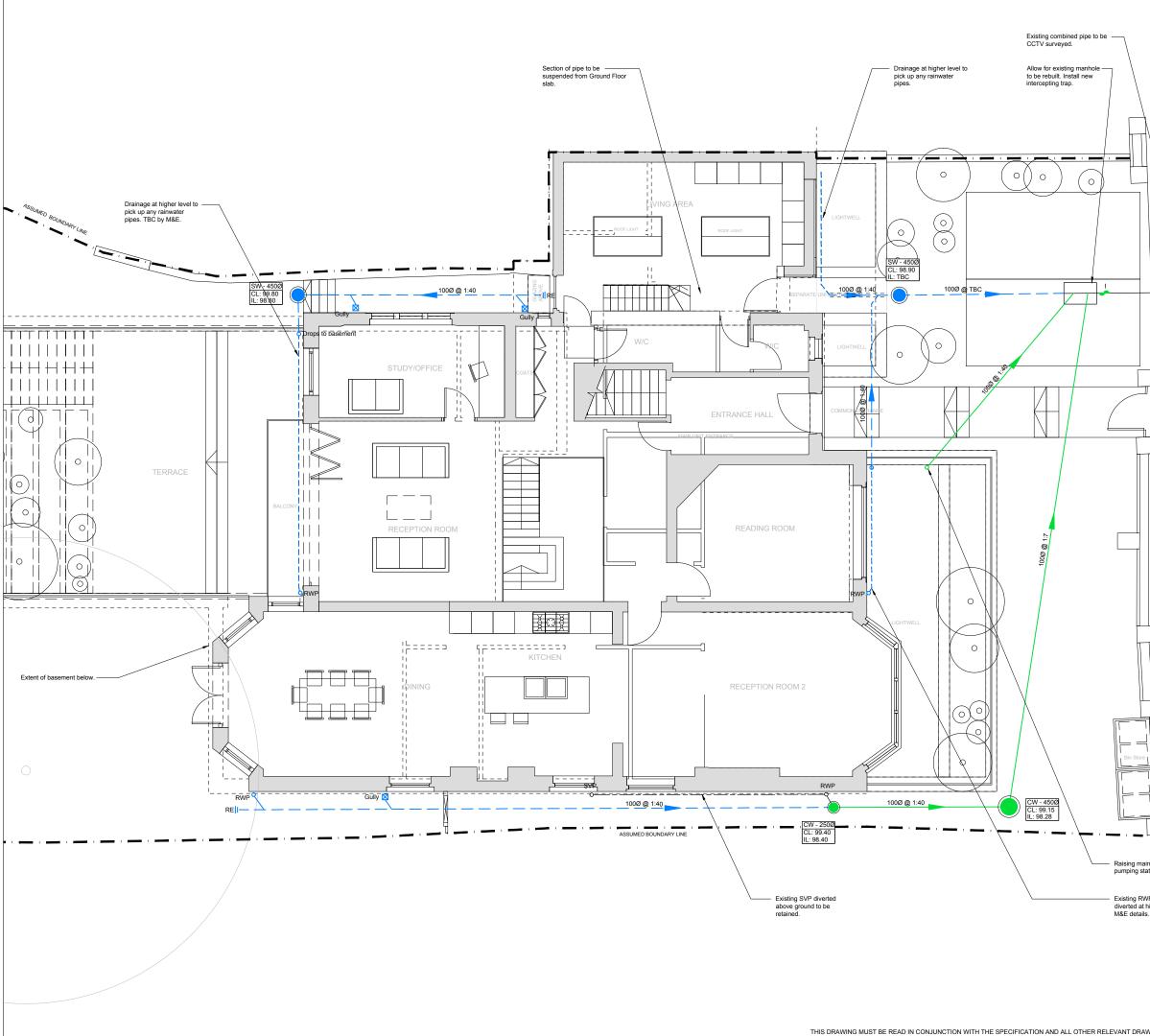
Drawing Status

PRELIMINARY

Project

44 FERNCROFT AVENUE

Title DRAINAGE LAYOUT BASEMENT



		efer to drawing no. C100 - B	asement Drainage	
	Layout			
		Existing private sewer		
		GRP package pumping station. Details to be confirmed.		
	D	uPVC duct for electrical of termination point. Details		
	100Ø @ 1:40	Private surface water pip Pipe diameter, gradient a diameter and levels indic	nd chamber	
-	100Ø @ 1:40	Private foul water pipe an diameter, gradient and ch and levels indicated.	d chamber. Pipe amber diameter	
	100Ø @ 1:40	Private combined water p Pipe diameter, gradient and diameter and levels indica	nd chamber	
		Polypropylene universal in chambers, 450 dia, 100 ir connections (6 no. max) o connections (4 no max).	let / outlet	
1502		Internal RC manhole with prefabricated inspection of		
	Gully 🔀 🛛	Proposed trapped gully to Specification.	Architect's	
	I 🛹	Proposed intercepting tra	Э.	
	Existing peak rate run o	rea (including terraces at back	5.14 l/s	
		narge (1 no. domestic property) area (including terrace & light		
	Proposed peak foul wat		<1.00 l/s	
	All RWPs, SVPs & st	ub stacks are assumed and	to be confirmed.	
re	P1 11.03.13 Issued f	or inclusion in FRA.	DN TG	
	Rev Date Descript		Drawn Check	
		• •	1-5 Offord St	
	coni	sbee	London N1 1DH Tel 020 7700 6666 Fax 020 7700 6686	
iain from GRP	Consulting Structural En Consulting Civil Engine		design@conisbee.co.uk www.conisbee.co.uk	
station.	Drawing Status		Date FEB '13	
WP to be it higher level to ills.	PRELIMINARY		Scale 1:50 @ A1	
	Project 44 FERNCROFT	AVENUE	Drawn DN Engineer TG	
			Project No 110601	
			Drawing No	
	DRAINAGE LAY GROUND FLOO		Revision P1	
AWINGS. DO NOT SCALE FROM THIS DRAWING.				