

- CONTROL DATA**
 Survey Station: 547500 E, 261700 N
 Level Data: 4+102
 Slope: 1:100
 TRESSES: 1:1.7 (Circumference), spread (radius), height
 Features: 1:1.7 (Circumference), spread (radius), height
 Abbreviations: All As shown, BR Backstop, BS Back sight, etc.

IMPORTANT NOTES
 The details and information shown herein relating to underground drains, cables etc. are as obtained by normal field survey observations...
 Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and such...
 The position and depth of any service portrayed on this drawing is accurate to +/- 10% of the depth of that service.

UNDERGROUND SERVICES - TRACED

—E—E—E—	Electric
—W—W—W—	Water
—T—T—T—T—	Telemetry
—G—G—G—G—	Gas
—O—O—O—O—	Others
—BT—BT—BT—BT—	British Telecom
—GPR—GPR—GPR—GPR—	Ground Probe Radar Trace
—F—F—F—F—	Fire Alarm
—SV—SV—SV—SV—	Surface Water Sewer
—OF—OF—OF—OF—	Overflow Sewer
—PH—PH—PH—PH—	Pumping Man
—V—V—V—V—	Valves
—FE—FE—FE—FE—	Final Effluent

UNDERGROUND SERVICES - NOT TRACED

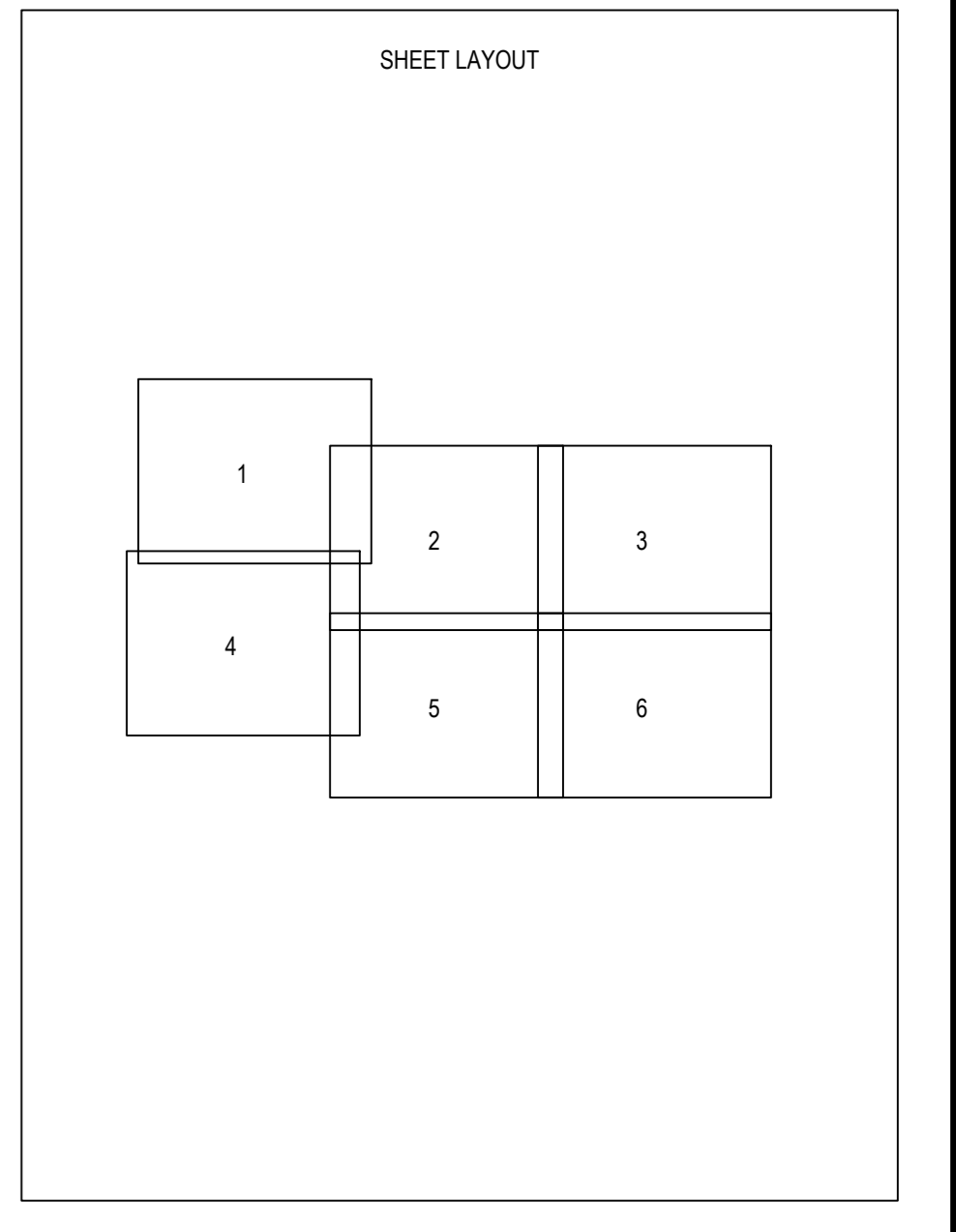
—ER—ER—ER—ER—	Electric
—WR—WR—WR—WR—	Water
—GR—GR—GR—GR—	Gas
—OR—OR—OR—OR—	Others
—BTR—BTR—BTR—BTR—	British Telecom
—FR—FR—FR—FR—	Fire Alarm
—SVR—SVR—SVR—SVR—	Surface Water Sewer
—OFR—OFR—OFR—OFR—	Overflow Sewer
—PHG—PHG—PHG—PHG—	Pumping Man
—VR—VR—VR—VR—	Valves
—FER—FER—FER—FER—	Final Effluent

SITE DRAWINGS
 NO SITE DRAWINGS HAVE BEEN MADE AVAILABLE DURING THE PREPARATION OF THIS DRAWING AND IT IS UNDERSTOOD THAT NONE ARE HELD ON RECORD AT THORPE WOOD HOUSE

UNDERGROUND SERVICE RECORDS
 PLEASE NOTE THAT THIS DRAWING SHOULD BE CONSIDERED TO BE INCOMPLETE AS NO RECORD DRAWINGS HAVE BEEN MADE AVAILABLE DURING THE PRODUCTION OF THIS DRAWING

Statutory Service Records Provided	No	Yes	Partial
British Telecom	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CATV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electric	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foul Sewer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface Water Sewer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTACT INFORMATION		
NAME	E-MAIL ADDRESS	TELEPHONE NO.
David Damant	david.damant@randallsurveys.co.uk	01787 227580



NOTES
 1. Survey grid that which was used for previous surveys and only approximately to O.S. National grid.
 2. Levels are based on existing survey control.
 3. This drawing has been compiled from previous survey undertaken between 1995 and January 2014.
 4. Refer to Drawing No. 12984/SW/1 for the Services, Control & Structures.
 5. This drawing has been merged with O.S. Digital Mapping by graphical overlay using best fit techniques only.
 6. O.S. Digital Mapping is shown in light blue.
 7. Ground Poring Radar has been used for locating underground services.
 8. Only the area within the boundary shown as has been surveyed during February 2014.

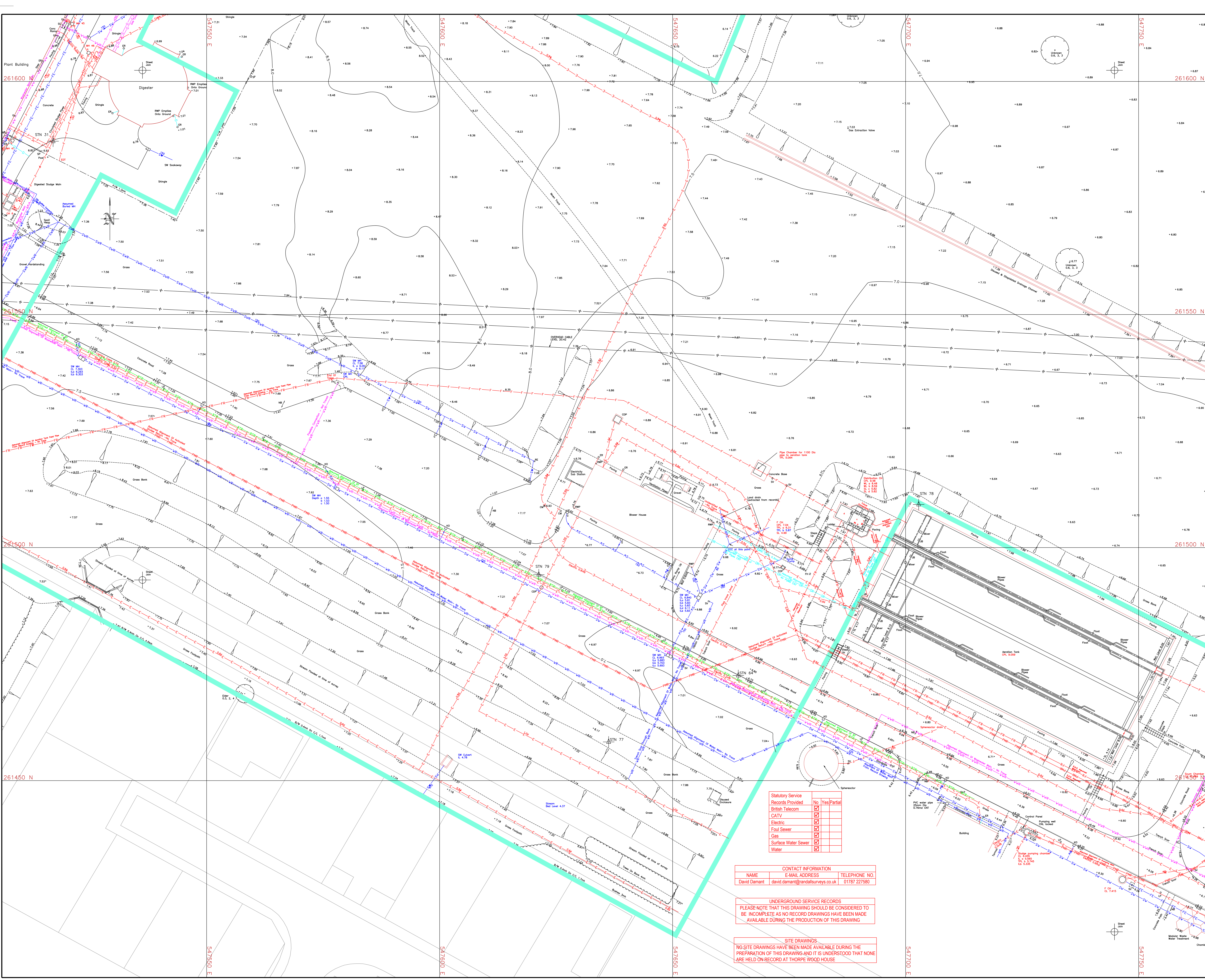
SCALE 1:250 **DRAWN** SCW
DATE January 2014 **CHECKED** DRD
PLAN PRODUCTION BY
RANDALL SURVEYS LLP
 SURVEY & DESIGN CENTRE Land and Hydrographic Surveyors
 HIGH STREET, BURES, SUFFOLK COB SZ8
 Tel: 01787 227580 Fax: 01787 228229
 WWW.RANDALLSURVEYS.CO.UK Architectural Building Surveyors
 Underground Services Location

THE SURVEY ASSOCIATION **QMS** **RICS**
RANDALL SURVEYS Dwg No. 12984/SW/2
 All copyright and design rights subsisting in this document is the property of Anglian Water Services Limited, and may not be reproduced without Anglian Water's consent. This document and the information contained within it is confidential to Anglian Water Services Limited and may not be disclosed to any third party without Anglian Water's consent.
 The information shown on this drawing is based on the best available information but the actual position of all apparatus must be regarded as approximate and MUST be established by trial holes. No liability whatsoever is accepted for any error or omission.
 Reproduced from the Ordnance Survey map by Anglian Water Services Limited by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Crown copyright Anglian Water Services Limited, license number W12984/2.

anglianwater
 TECHNOLOGY GROUP
 Thorpe Wood House, Thorpe Wood, Peterborough
 Cambridgeshire, PE3 6AT
 Tel: 01733 414100 Fax: 01733 414111
PROJECT TITLE
CAMBRIDGE STW

DRAWING TITLE
EXISTING SITE & SERVICES LAYOUT

SURVEYED	CHECKED	SCALE	DRAWN	APPROVED	DESIGNED	DATE
		AO				
DRAWING NO:-- DRAWING_NO						



CONTROL DATA

Survey station: **STN 78**
 Boundary point: **STN 78**

LEVEL DATA

Bord levels: **+0.00**
 Custom: **0.00**
 Slope steps: **1:1**

TREES

1:2 Gm (Circumference), spread (radius), height
 C:1:2 Ch (Circumference), spread (radius), height
 T:1:2 Tr (Circumference), spread (radius), height

FEATURES

Fences shown Plus
 High Street Plus
 Height shown Plus
 Undrained Boundary
 Gates

FENCE TYPES

IR Iron railing
 PR Post and rail
 PWB Post and wire
 CW Chain-link fencing
 WPC Wooden fence

OVERHEAD CABLES

Electric
 British Telecom

ABBREVIATIONS

AV	Air valve	EP	Electric pole	RE	Redding eye
BB	Basket basket	ES	Earth level	RR	Rail
BB	Back stop	FR	Flow effluent	RS	Road sign
BR	Bar	FR	Flow effluent	RS	Road sign
BR	Bar	FR	Flow effluent	RS	Road sign
BR	Bar	FR	Flow effluent	RS	Road sign

IMPORTANT NOTES

The details and information shown herein relating to underground drains, cables etc. are as obtained by normal field survey observations subject to the restrictions listed in the H&M&S guidelines. Service Co. and sewer records will only be shown where they are confirmed to exist and where the depth of the service is known to be correct.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed. Where precise sewer depths will be critical to the project design we would recommend that entry into the chamber be undertaken using appropriate means appropriate to the depth of the sewer. There is no liability for any such entry.

The pipe and cable details shown on this drawing have been located using electronic surface detection equipment and/or ground penetrating radar. Care has been taken to ensure that the pipes and cables are located as shown. However, the information presented is believed to be correct at the time of the survey but care must be taken where any excavation is undertaken on the site. True depths are quoted in metres.

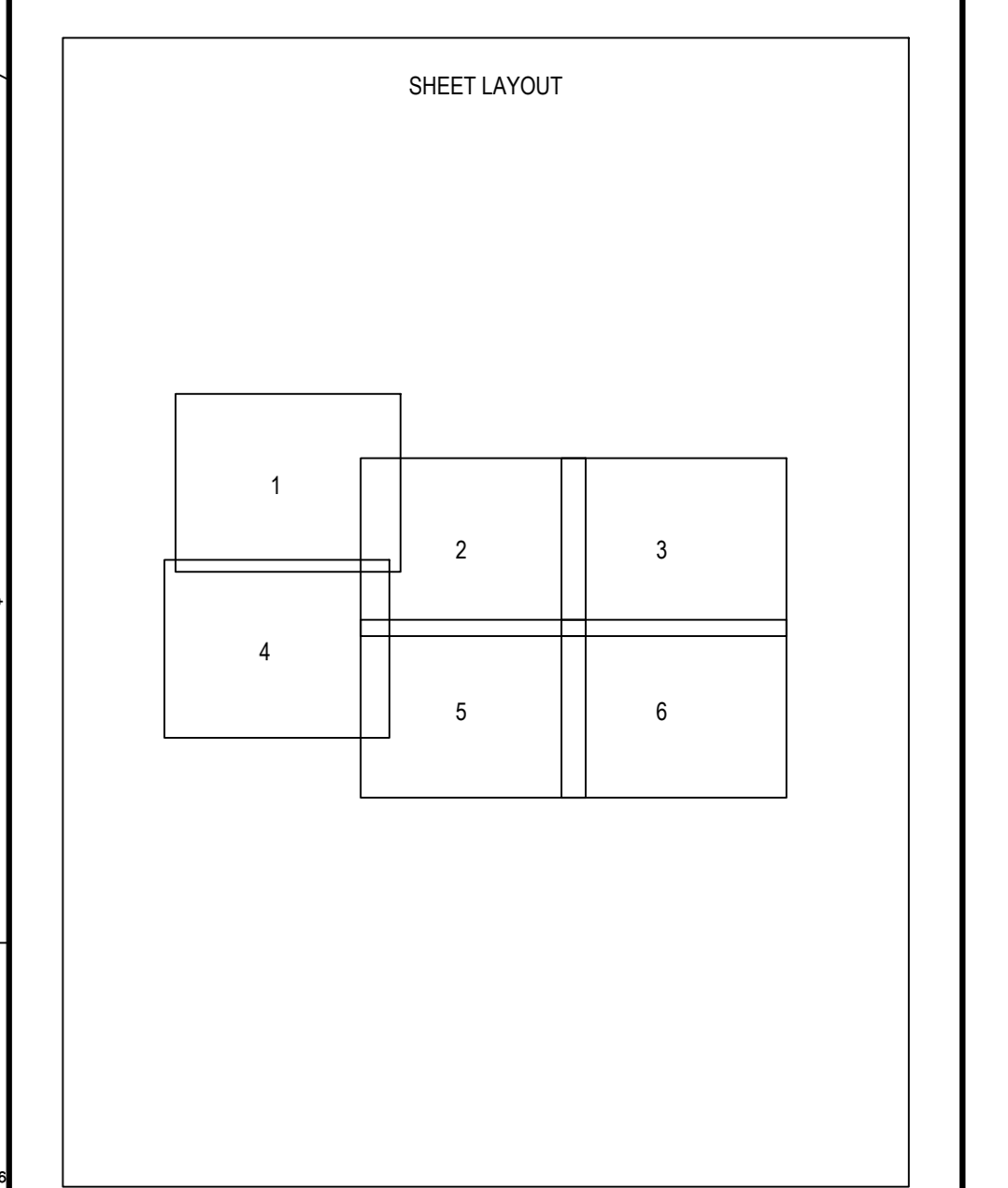
The horizontal position of a service on this drawing may indicate the presence of multiple subservices. The exact number will only be indicated where this could be accurately determined.

Handing devices are shown indicating possible services which could not be traced electronically or by GPR, where used, but have been abstracted from service drawings.

The plan position and depth of any service portrayed on this drawing is accurate to $\pm 10\%$ of the depth of that service.

Where the precise location and/or depth of a service is critical to design and/or construction, the data are recommended to confirm the details presented in this drawing.

This drawing should be read in conjunction with any record drawings available from the statutory authorities.



NOTES

1. Survey grid that which was used for previous surveys and only approximate to O.S. National grid.
2. Levels are based on existing ground level.
3. This drawing has been compiled from previous survey undertaken between 1995 and January 2014.
4. Refer to Drawing No. 12984/01 for the H&M&S Control & Use conditions.
5. This drawing has been merged with O.S. Digital Mapping by graphical overlay using best fit technique only.
6. O.S. Digital Mapping is shown in light blue.
7. Ground Poring Fluide has been used for locating underground services.
8. Only the area within the boundary shown as **has been surveyed during February 2014.**

SCALE 1/250 **DRAWN** SCW **CHECKED** DRD

DATE January 2014

PLAN PRODUCTION BY

RANDALL SURVEYS LLP

SURVEY & DESIGN CENTRE Land and Hydrographic Surveyors
 HIGH STREET, BURES, SUFFOLK COB SH2
 Tel: 01787 227580 Fax: 01787 228329 Architectural Building Surveyors
 WWW.RANDALLSURVEYS.CO.UK Underground Services Location

THE SURVEY ASSOCIATION **QMS** **RICS**

RANDALL SURVEYS Dwg No. 12984/SW/5

All copyright and design rights subsisting in this document is the property of Anglian Water Services Limited, and may be reproduced without Anglian Water's consent. This document and the information contained within is confidential to Anglian Water Services Limited and may not be disclosed to any third party without Anglian Water's consent.

The information shown on this drawing is based on the best available information but the actual position of all apparatus must be reported as approximate and MUST be established by trial holes. No liability whatsoever is accepted for any error or omission.

Reproduced from the Ordnance Survey map by Anglian Water Services Limited by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Crown copyright Anglian Water Services Limited, licence number W12984/2.

anglianwater

TECHNOLOGY GROUP
 Thorpe Wood House, Thorpe Wood, Peterborough
 Cambridgeshire, PE3 6AT
 Tel: 01733 414100 Fax: 01733 414111

PROJECT TITLE
CAMBRIDGE STW

DRAWING TITLE
EXISTING SITE & SERVICES LAYOUT

SURVEYED	CHECKED	DESIGNED	DATE
SURVEYED	CHECKED	DESIGNED	DATE

SCALE AO **OC** CODE **OC** CODE

DRAWING NO. - **DRAWING_NO** **REV** REV

Statutory Services Records Provided

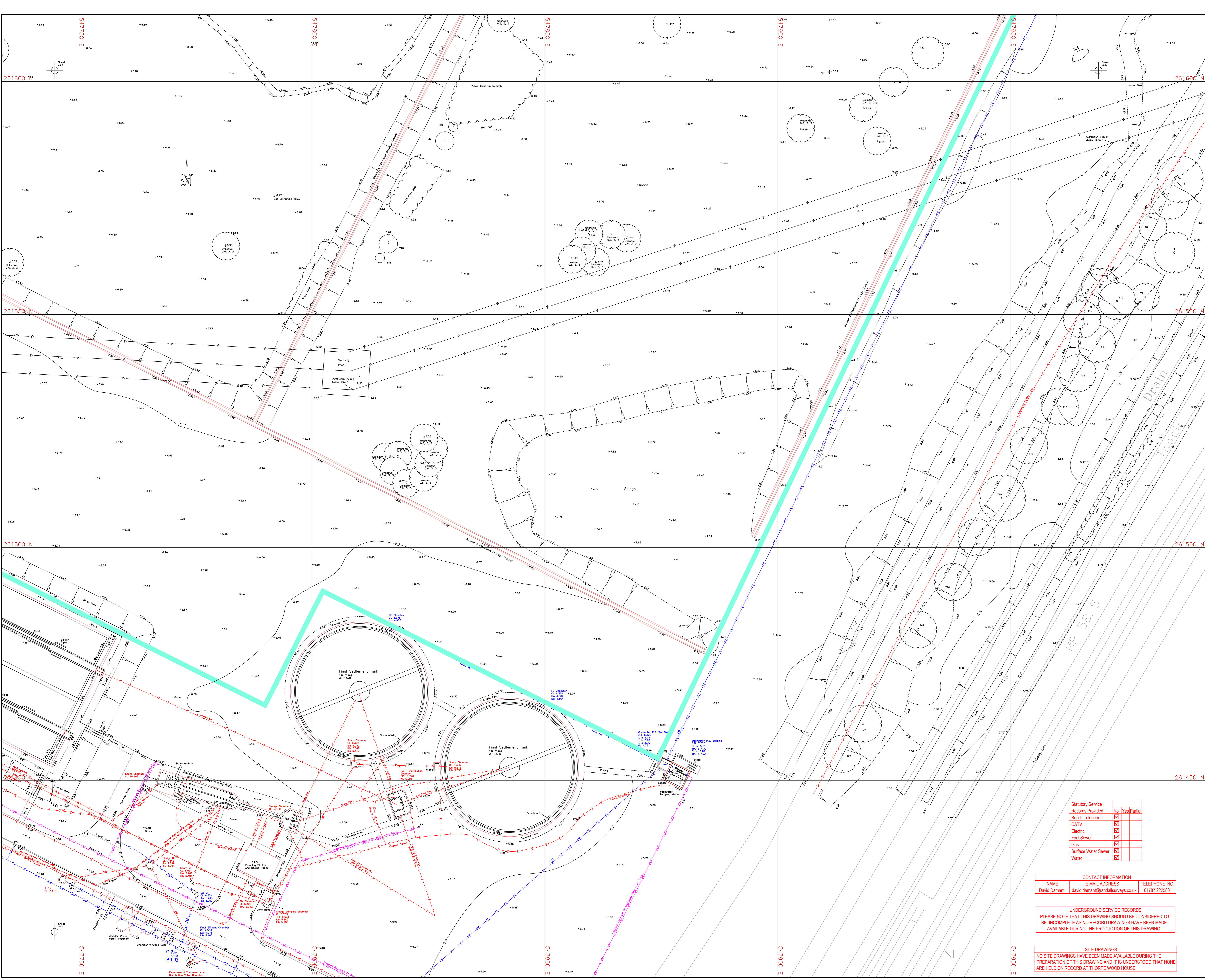
British Telecom	No	Yes	Partial
CATV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electric	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foul Sewer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface Water Sewer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTACT INFORMATION

NAME	E-MAIL ADDRESS	TELEPHONE NO.
David Damant	david.damant@randallsurveys.co.uk	01787 227580

UNDERGROUND SERVICE RECORDS
 PLEASE NOTE THAT THIS DRAWING SHOULD BE CONSIDERED TO BE INCOMPLETE AS NO RECORD DRAWINGS HAVE BEEN MADE AVAILABLE DURING THE PRODUCTION OF THIS DRAWING

SITE DRAWINGS
 NO SITE DRAWINGS HAVE BEEN MADE AVAILABLE DURING THE PREPARATION OF THIS DRAWING AND IT IS UNDERSTOOD THAT NONE ARE HELD ON RECORD AT THORPE WOOD HOUSE



CONTROL DATA
Survey datum: British 1993
Boundary point: 5/12

LEVEL DATA
Elevations: as shown
Contours: as shown
Slope slopes: as shown

TREES
1:125: Girth (circumference), spread (radius), height
Trees shown on this drawing have been identified by the level of the survey and their preservation
The position of trees to be removed or replaced by the proposed design shall be agreed in writing with the appropriate authority prior to any work being carried out on the site. Trees shown in red are to be removed or replaced by the proposed design.

FENCE TYPES
Fence shown by: as shown

OVERHEAD CABLES
British Telecom
Electric

ABBREVIATIONS

AI: Air valve	EP: Electricity pole	RE: Retention tank
BB: Backflow preventer	ES: Earth seal	RH: Rising main
BO: Back stop	FB: Flow back	RS: Road sign
BU: Borehole	FE: Fire effluent	RSW: Road water pipe
CB: Check valve	FI: Fire hydrant	SC: Stopcock
CO: Check out	GC: Gas control	SCS: Stopcock
COV: Cable cover	GO: Gas	SI: Stopcock
COP: Cable cover pit	GR: Gas record	SV: Stop valve
CP: Check pipe	IC: Inspection cover	SVS: Stop valve
CPV: Check pipe valve	IB: Inspection box	TJ: Junction
CW: Check valve	IBJ: Junction box	TJL: Junction
CS: Cover level	JL: Junction	TO: Telephone call box
CSL: Cover level	JLW: Junction	TL: Telephone
CSV: Cover level	JLW: Junction	TP: Telephone post
CSV: Cover level	JLW: Junction	TPS: Top of pipe level
CSV: Cover level	JLW: Junction	TS: Traffic sign
CSV: Cover level	JLW: Junction	TS: Traffic sign
CSV: Cover level	JLW: Junction	TS: Traffic sign

IMPORTANT NOTES

The details and information shown herein relating to underground drains, cables etc. are as obtained by normal field survey observations subject to the limitations listed in the HWS/C guidelines. Service Co. and sewer records will only be taken into consideration if specifically requested and where the information shown is corroborated by other records of the same or similar nature.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and an exact level cannot be guaranteed. Where precise sewer depths will be critical to the proposed design we would recommend that entry into the chamber for verification using appropriate surveying methods is undertaken. These items can be supplied upon request.

The pipe and cable values shown on this drawing have been located using electronic surface detection equipment and/or ground penetrating radar. We take these values as a guide only to the presence and position. Whilst the information presented is believed to be correct, the position of the service is subject to change and we make no warranty or representation as to the position of the service as shown.

The position of a service on this drawing may include the presence of multiple subservices. The exact number will only be indicated where this can be ascertained.

Handing devices are shown in areas containing possible services which could not be traced electronically or by GPR, where used, but have been abstracted from service drawings.

The plan position and depth of any service portrayed on this drawing is accurate to +/- 10% of the depth of the service.

Where the precise location and/or depth of a service is critical to design and/or construction, this has been ascertained to conform to the details provided in this drawing.

This drawing should be read in conjunction with any record drawings available from the statutory authorities.

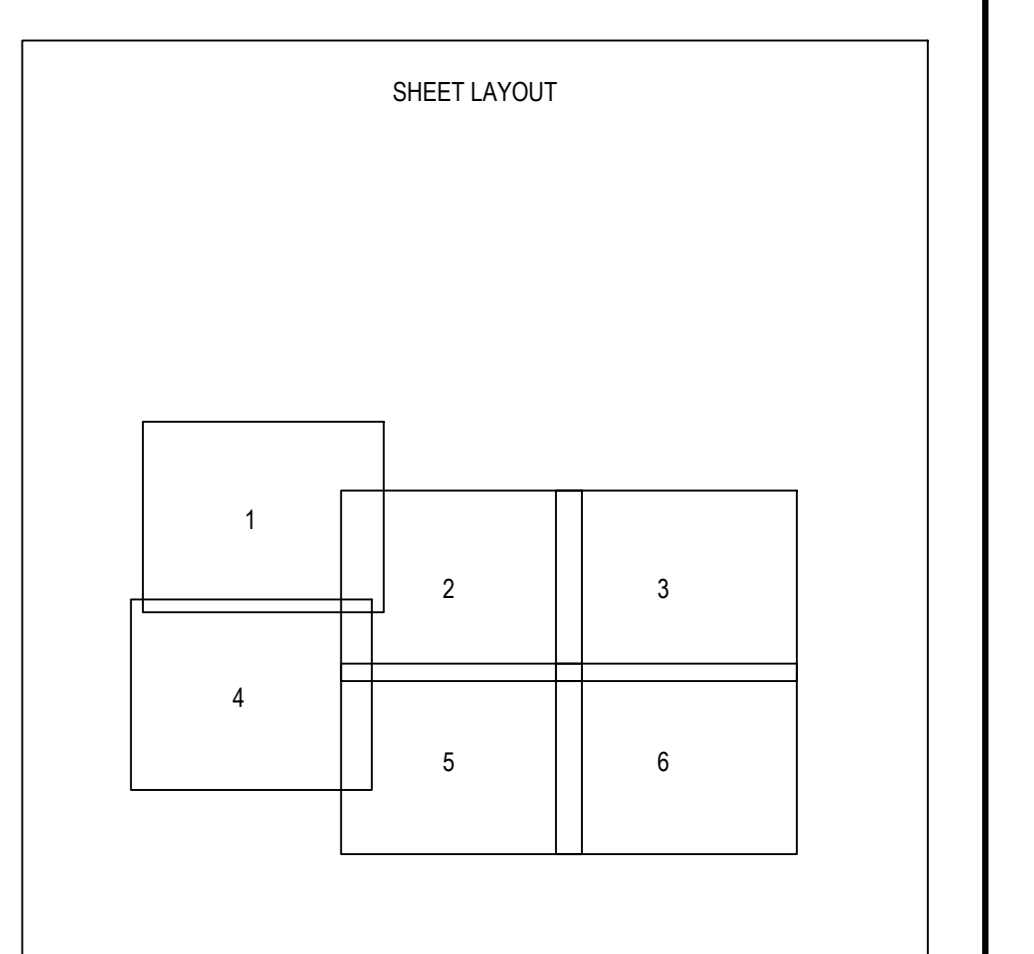
UNDERGROUND SERVICES - TRACED

- Gas (Duct)
- Electric
- Water
- Foul Sewer
- Surface Water
- Overhead Cable
- Telephone
- Lightning
- Oil
- Drainage
- Surface Water
- Overhead Cable
- Telephone
- Lightning
- Oil
- Drainage
- Surface Water

UNDERGROUND SERVICES - NOT TRACED

- Electric
- Water
- Foul Sewer
- Surface Water
- Overhead Cable
- Telephone
- Lightning
- Oil
- Drainage
- Surface Water
- Overhead Cable
- Telephone
- Lightning
- Oil
- Drainage
- Surface Water

Where underground services have not been traced electronically or by GPR they have either been assumed from records or are assumptions based on local site conditions.



NOTES

1. Survey grid is that which was used for previous surveys and only approximate to O.S. National grid.
2. Levels are based on existing mean sea level.
3. This drawing has been completed from previous survey undertaken between 1993 and January 2014.
4. Refer to Drawing No. 12984/SW1 for the location of the Stationery Control & Trace facilities.
5. This drawing has been prepared with O.S. Digital Mapping by graphical overlay using best fit techniques only.
6. O.S. Digital Mapping is shown in red.
7. Ground Penetrating Radar has been used for locating underground services.
8. Only the area within the boundary shown as has been surveyed during February 2014.

SCALE	1/250	DRAWN	SCW
DATE	January 2014	CHECKED	DRD
PLAN PRODUCTION BY			

RANDALL SURVEYS LLP

SURVEY & DESIGN CENTRE
HIGH STREET, BURES, SUFFOLK COB SHZ
Tel: 01787 227580 Fax: 01787 228329
WWW.RANDALLSURVEYS.CO.UK

Land and Hydrographic Surveyors
Architectural Building Surveyors
Underground Services Location

THE SURVEY ASSOCIATION **QMS** **RICS**

RANDALL SURVEYS Dwg No. 12984/SW/6

All copyright and design right subsisting in this document is the property of Anglian Water Services Limited, and may not be reproduced without Anglian Water Services Limited's prior written consent. This document and the information contained within is confidential to Anglian Water Services Limited and may not be disclosed to any third party without Anglian Water Services Limited's consent.

The information shown on this drawing is based on the best available information but the actual position of all apparatus must be regarded as approximate and MUST be established by trial holes. No liability whatsoever is accepted for any error or omission.

Reproduced from the Ordnance Survey map by Anglian Water Services Limited by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Crown copyright Anglian Water Services Limited, license number W12984/02.

anglianwater

TECHNOLOGY GROUP
Thorpe Wood House, Thorpe Wood, Peterborough
Cambridgeshire, PE3 6AT
Tel: 01733 414100 Fax: 01733 414111

PROJECT TITLE
CAMBRIDGE STW

DRAWING TITLE
EXISTING SITE & SERVICES LAYOUT

SURVEYED	CHECKED	DESIGNED	DATE
CHK'D	CHK'D	APP'D	DATE
SCALE	SCALE	AO	CCD CODE
DRAWING No:--	DRAWING_NO		REV

Statutory Service Records Provided		
British Telecom	Yes	Partial
CATV	Yes	Partial
Electric	Yes	Partial
Foul Sewer	Yes	Partial
Gas	Yes	Partial
Surface Water Sewer	Yes	Partial
Water	Yes	Partial

CONTACT INFORMATION

NAME	E-MAIL ADDRESS	TELEPHONE NO.
David Damant	david.damant@randallsurveys.co.uk	01787 227580

UNDERGROUND SERVICE RECORDS

PLEASE NOTE THAT THIS DRAWING SHOULD BE CONSIDERED TO BE INCOMPLETE AS NO RECORD DRAWINGS HAVE BEEN MADE AVAILABLE DURING THE PRODUCTION OF THIS DRAWING

SITE DRAWINGS

NO SITE DRAWINGS HAVE BEEN MADE AVAILABLE DURING THE PREPARATION OF THIS DRAWING AND IT IS UNDERSTOOD THAT NONE ARE HELD ON RECORD AT THORPE WOOD HOUSE