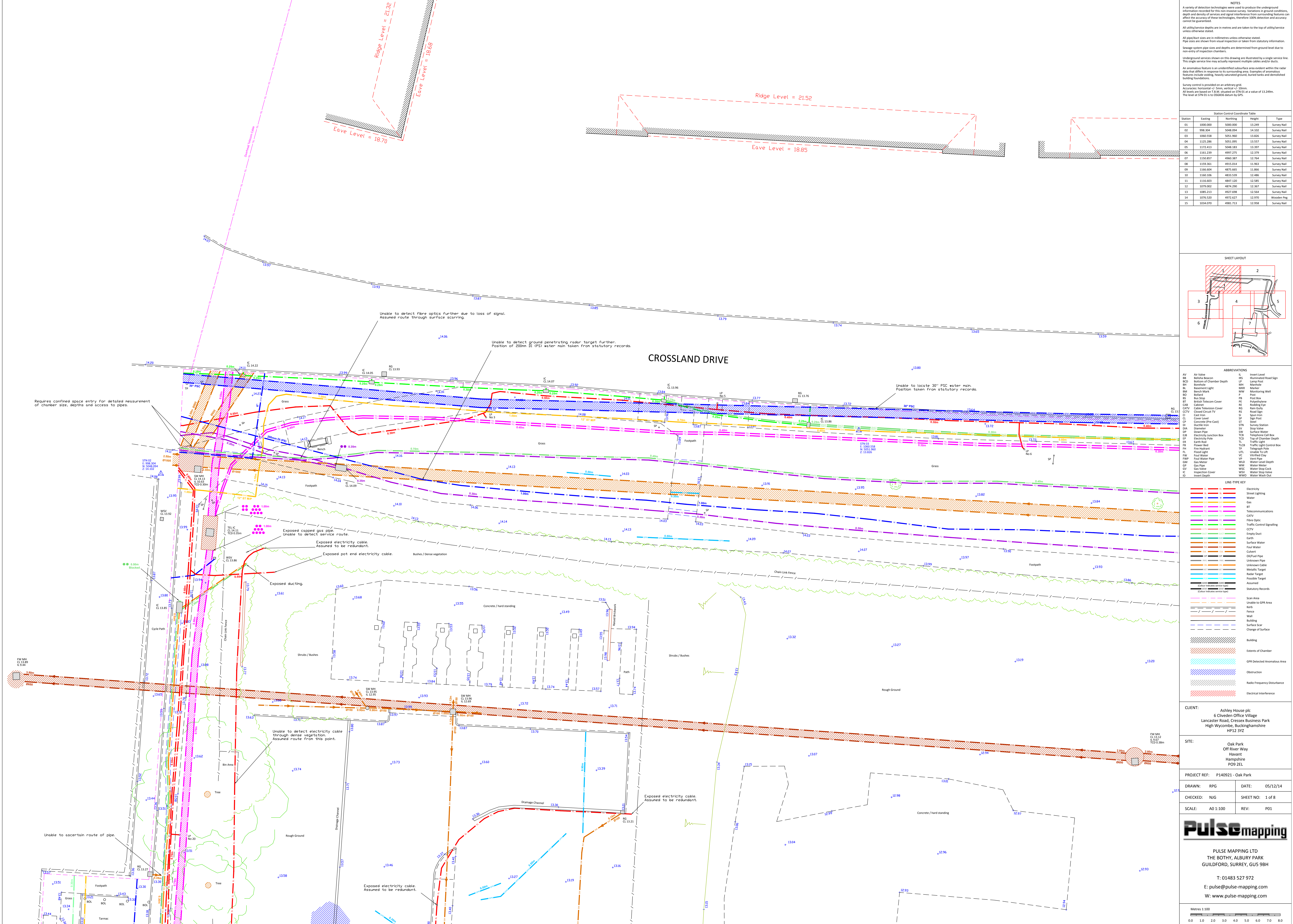




NOTES

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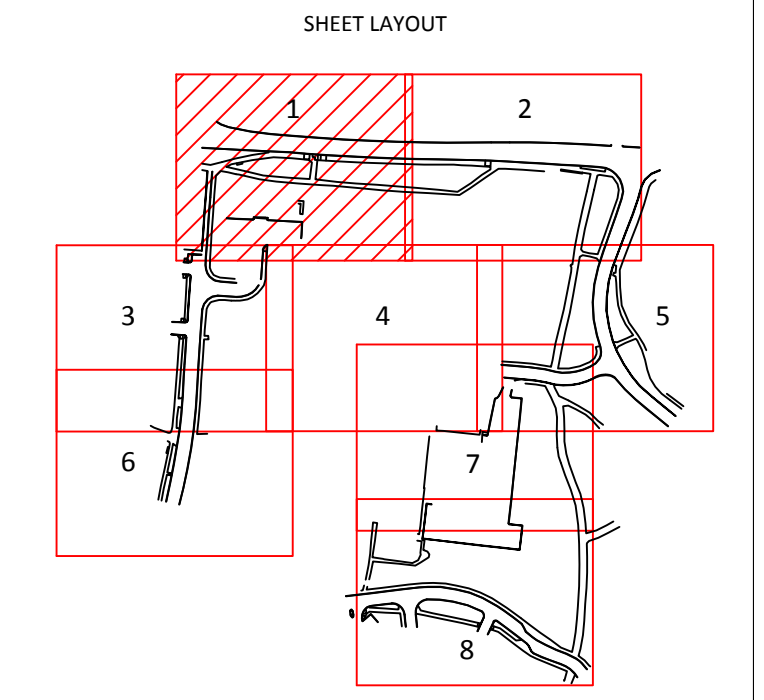
Survey control is provided on an arbitrary grid.

Accuracies: Horizontal +/- 50mm, vertical +/- 100mm.

All levels are based on T.A.M. situated on 17th St at a value of 13.249m.

The level at 17th St is to OSGB datum by GPS.

Station	Existing	Northings	Height	Type
01	1000.000	5000.000	13.249	Survey Nail
02	998.304	5048.094	14.102	Survey Nail
03	1060.558	5051.960	13.826	Survey Nail
04	1125.286	5051.195	13.537	Survey Nail
05	1172.413	5048.183	13.397	Survey Nail
06	1165.239	4997.275	12.379	Survey Nail
07	1150.857	4960.387	12.764	Survey Nail
08	1159.361	4913.014	11.963	Survey Nail
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10	1160.106	4831.519	12.486	Survey Nail
11	1116.603	4847.120	12.585	Survey Nail
12	1079.002	4874.200	12.367	Survey Nail
13	1085.213	4827.698	12.564	Survey Nail
14	1076.520	4912.817	13.370	Wooden Peg
15	1034.070	4981.713	12.958	Survey Nail



ABBREVIATIONS

AV	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
BB	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
BL	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
BO	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
BT	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
CA	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
CL	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
CP	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
DA	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
DB	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
EP	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
FR	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
FL	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
FW	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
GP	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
GV	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
IC	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth
ID	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth	Bottom of Chamber Depth

LINE-TYPE KEY

Line Type	Description
Red dashed line	Electricity
Blue dashed line	Street Lighting
Green dashed line	Water
Orange dashed line	Gas
Purple dashed line	BT
Yellow dashed line	Telecommunications
Light blue dashed line	CATV
Dark blue dashed line	Fibre Optic
Light green dashed line	Traffic Control Signaling
Dark green dashed line	CCTV
Light orange dashed line	Empty Duct
Dark orange dashed line	Earth
Light purple dashed line	Surface Water
Dark purple dashed line	Four Water
Light yellow dashed line	Culvert
Dark yellow dashed line	Oil/Fuel Pipe
Light blue dashed line	Unknown Pipe
Dark blue dashed line	Unknown Cable
Light green dashed line	Miscellaneous Target
Dark green dashed line	Radar Target
Light orange dashed line	Possible Target
Dark orange dashed line	Assumed
Light purple dashed line	Statutory Records
Dark purple dashed line	Scan Area
Light yellow dashed line	Unable to GPR Area
Dark yellow dashed line	Kerb
Light blue dashed line	Fence
Dark blue dashed line	Wall
Light green dashed line	Building
Dark green dashed line	Surface Scar
Light orange dashed line	Change of Surface
Dark orange dashed line	Building
Light purple dashed line	Extents of Chamber
Dark purple dashed line	GPR Detected Anomalous Area
Light yellow dashed line	Obstruction
Dark yellow dashed line	Radio Frequency Disturbance
Light blue dashed line	Electrical Interference

CLIENT: Ashley House plc
6 Cliveden Office Village
Lancaster Road, Cressex Business Park
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HP12 3YZ

SITE: Oak Park
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PO9 2EL

PROJECT REF: P140921 - Oak Park

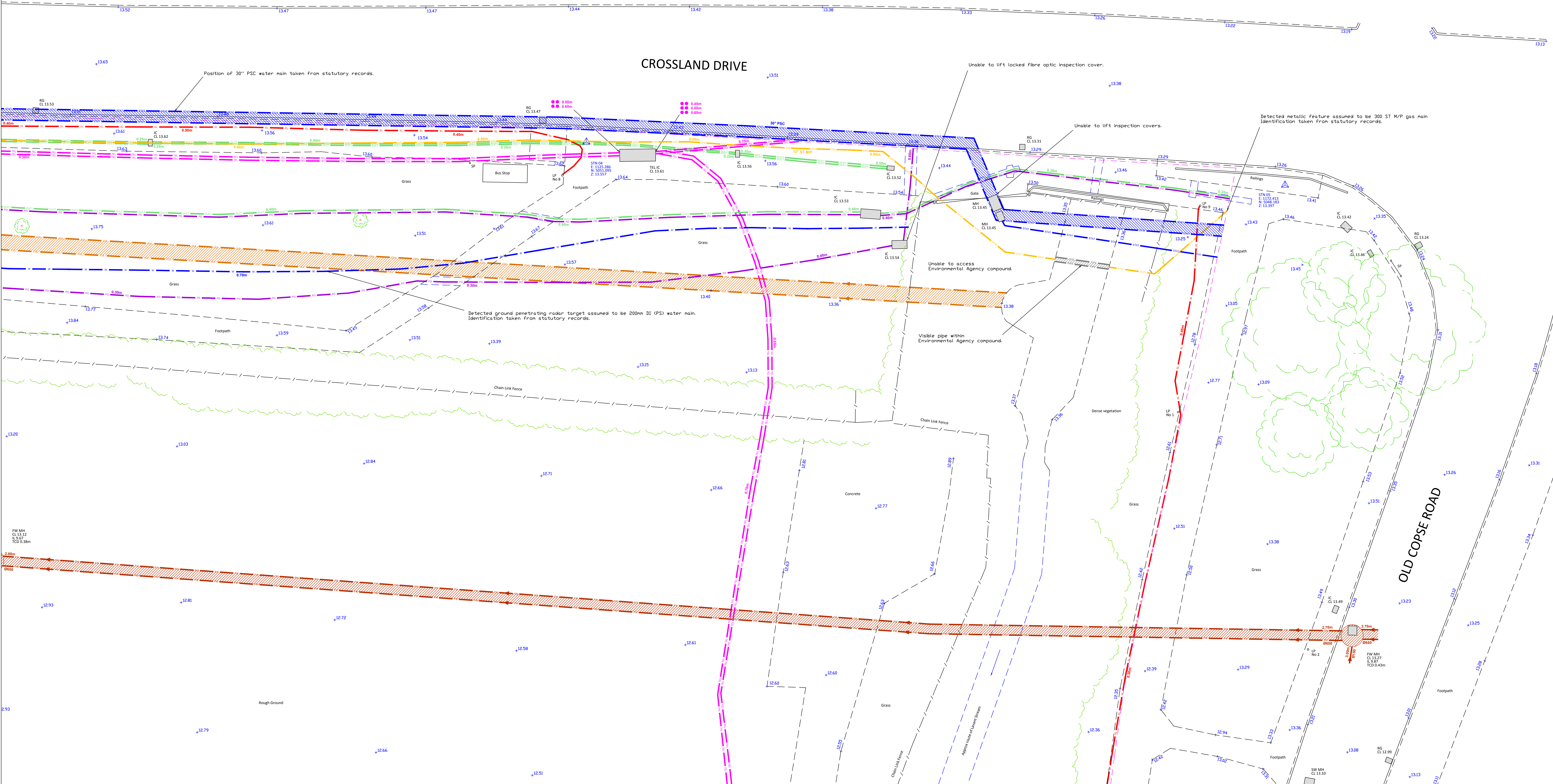
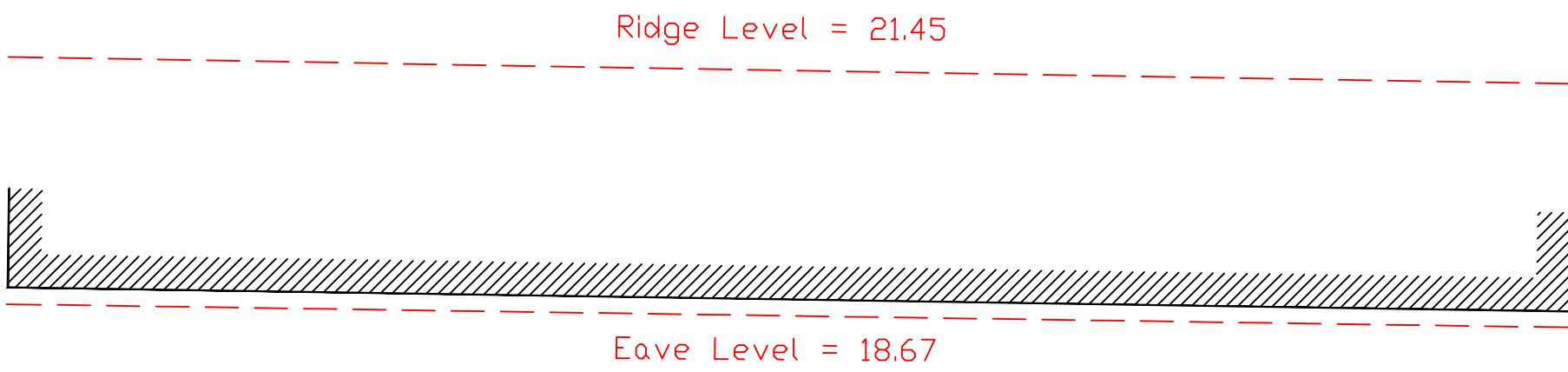
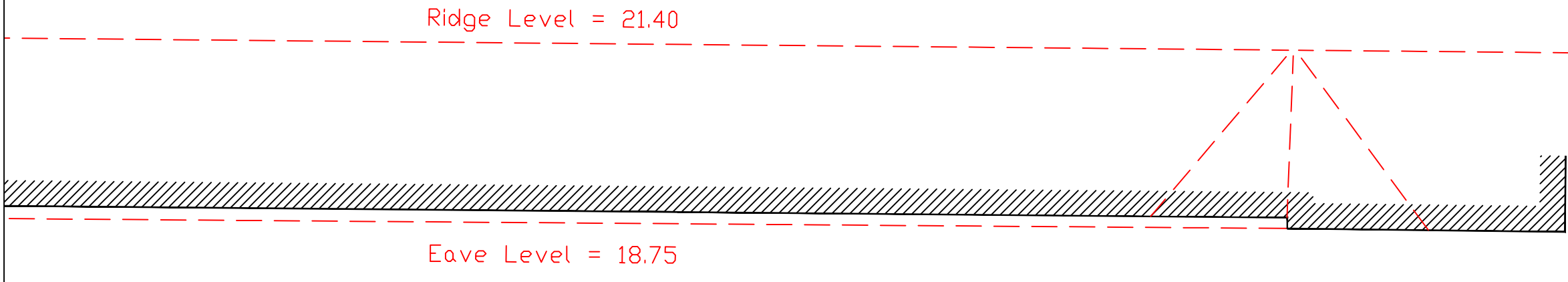
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CHECKED: NJG	SHEET NO: 1 of 8
SCALE: AO 1:100	REV: P01

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Metres 1:100



NOTES

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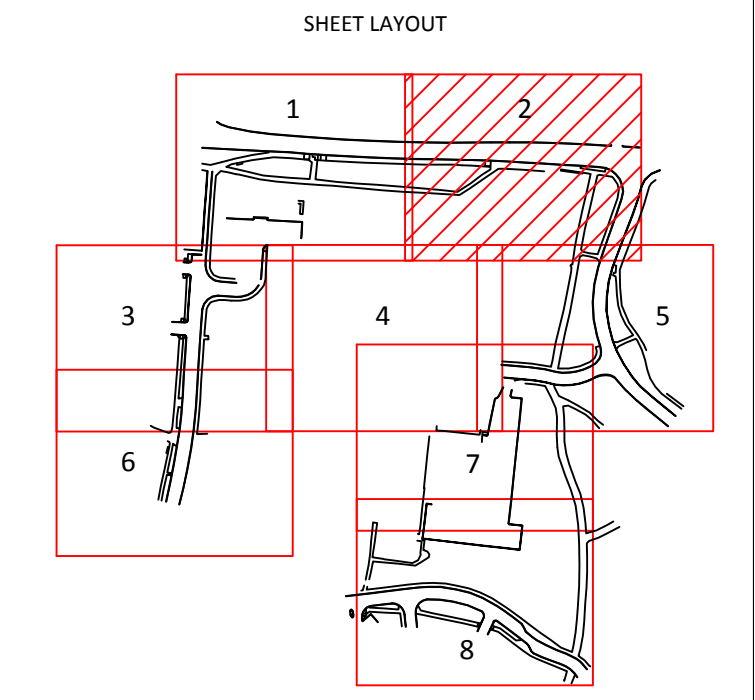
Survey control is provided on an arbitrary grid.

Accuracies: Horizontal $\pm 10\text{mm}$, vertical $\pm 10\text{mm}$.

All levels are based on T.A.M. situated on 17N.01 at a value of 13.249m.

The level at 17N.01 is to OSGM datum to GPR.

Station Control Coordinate Table				
Station	Existing	Northings	Height	Type
01	1000.000	5000.000	13.249	Survey Nail
02	998.304	5048.094	14.102	Survey Nail
03	1060.558	5051.960	13.826	Survey Nail
04	1125.286	5051.995	13.557	Survey Nail
05	1172.413	5045.183	13.397	Survey Nail
06	1165.239	4997.275	12.379	Survey Nail
07	1150.857	4960.387	12.764	Survey Nail
08	1159.361	4913.014	11.963	Survey Nail
09	1166.004	4875.685	11.866	Survey Nail
10	1160.106	4833.539	12.486	Survey Nail
11	1116.603	4847.120	12.585	Survey Nail
12	1079.002	4874.200	12.367	Survey Nail
13	1085.713	4827.698	12.564	Survey Nail
14	1076.520	4972.827	13.370	Wooden Peg
15	1034.070	4981.713	12.958	Survey Nail



ABBREVIATIONS		Invert Level	
AV	Air Valve	IS	Illuminated Road Sign
BB	Bulbula Beacon	LP	Lamp Post
BCD	Bottom of Chamber Depth	M	Manhole
BH	Bonhole	MH	Manhole
BL	Basement Light	MH	Manhole
BM	Bench Mark	MW	Monitoring Well
BD	Bellard	P	Post
BS	Bus Stop	P	Post Box
BT	British Telecom Cover	PE	Polystyrene
C&B	Cable	RS	Road Sign
CATV	Cable Television Cover	RG	Rain Gully
CCTV	Closed Circuit TV	RS	Road Sign
CI	Cast Iron	SI	Spirit Iron
CL	Cover Level	SP	Sign Post
CP	Concrete (Pre Cast)	ST	Street
CS	Cover	STN	Survey Station
DIA	Diameter	SV	Stop Valve
DP	Down Pipe	SW	Surface Water
EB	Electricity Junction Box	TCD	Telephone Call Box
EP	Electricity Pole	TCD	Top of Chamber Depth
ER	Earth Road	TLCB	Traffic Light Control Box
FB	Flower Bed	TLCB	Traffic Light Control Box
FR	Fire Hydrant	UTL	Underground Tank
FL	Flood Light	UTL	Underground Tank
FWP	Foul Water Pipe	VR	Vent Pipe
GM	Gas Meter	WL	Water Level Depth
GP	Gas Pipe	WM	Water Meter
GV	Gas Valve	WSC	Water Stop Cord
IC	Inspection Cover	WSV	Water Stop Valve
ID	Invert Depth	WV	Water Wash Out

LINE-TYPE KEY	
Electricity	Electricity
Street Lighting	Street Lighting
Water	Water
Gas	Gas
BT	BT
Telecommunications	Telecommunications
CATV	CATV
Fibre Optic	Fibre Optic
Traffic Control of Signaling	Traffic Control of Signaling
CCTV	CCTV
Empty Dust	Empty Dust
Earth	Earth
Surface Water	Surface Water
Four Water	Four Water
Culvert	Culvert
Oil/Fuel Pipe	Oil/Fuel Pipe
Unknown Pipe	Unknown Pipe
Unknown Cable	Unknown Cable
Metallic Target	Metallic Target
Radar Target	Radar Target
Possible Target	Possible Target
Assumed	Assumed
Statutory Records	Statutory Records
Scan Area	Scan Area
Unable to GPR Area	Unable to GPR Area
Kerb	Kerb
Fence	Fence
Wall	Wall
Building	Building
Surface Scar	Surface Scar
Change of Surface	Change of Surface
Building	Building
Extents of Chamber	Extents of Chamber
GPR Detected Anomalous Area	GPR Detected Anomalous Area
Obstruction	Obstruction
Radio Frequency Disturbance	Radio Frequency Disturbance
Electrical Interference	Electrical Interference

CLIENT: Ashley House plc
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SITE: Oak Park
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Hampshire
PO9 2EL

PROJECT REF: P140921 - Oak Park

DRAWN: RPG **DATE:** 05/12/14

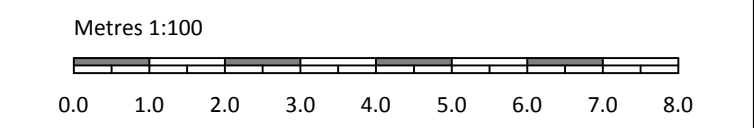
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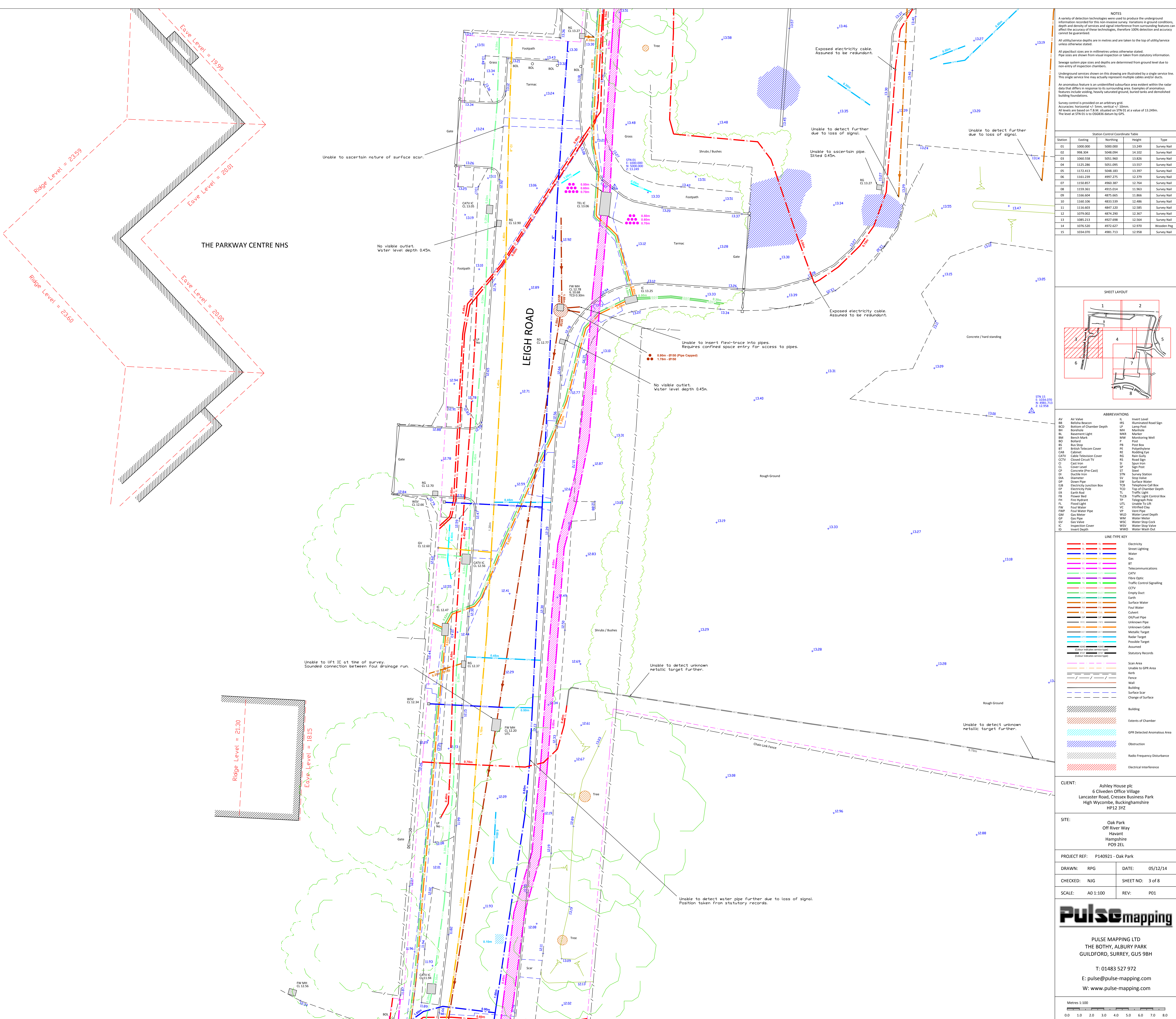
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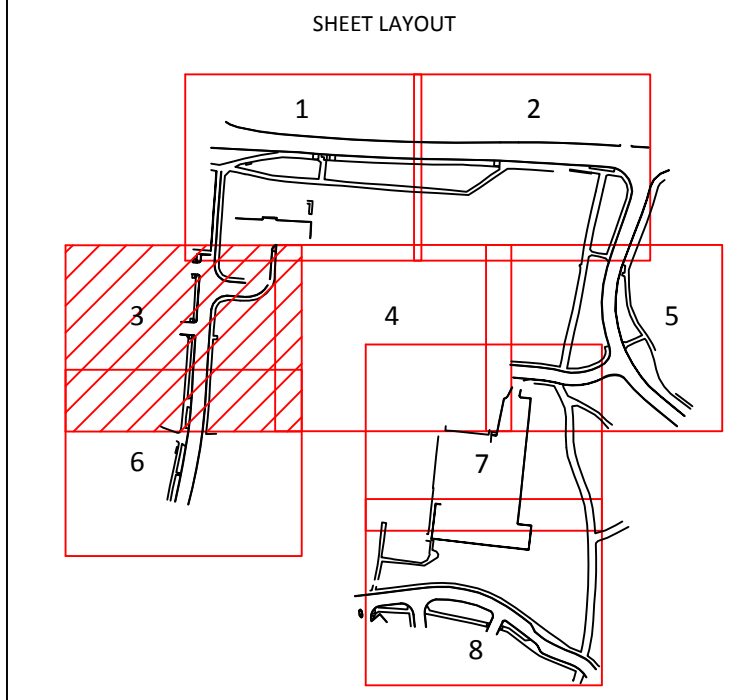
Survey control is provided on an arbitrary grid.

Accuracies: Horizontal +/- 5mm, vertical +/- 10mm.

All levels are based on T.A.M. obtained on 17th 01 at a value of 13.249m.

The level at 17th 01 is to OD/MSL datum by GPS.

Station Coordinate Table			
Station	Eastings	Northings	Type
01	1000.000	5000.000	Survey Nail
02	998.304	5048.094	Survey Nail
03	1060.558	5051.960	Survey Nail
04	1126.286	5051.195	Survey Nail
05	1172.413	5048.183	Survey Nail
06	1165.239	4997.275	Survey Nail
07	1150.857	4960.387	Survey Nail
08	1159.361	4913.014	Survey Nail
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12	1079.002	4874.200	Survey Nail
13	1085.213	4827.698	Survey Nail
14	1076.520	4973.817	Wooden Peg
15	1034.070	4981.713	Survey Nail



ABBREVIATIONS	
AV	Air Valve
BB	Bullhead Borehole
BOD	Bottom of Chamber Depth
BH	Borehole
BL	Basement Light
BM	Bench Mark
BD	Bellard
BS	Bull Stop
BT	British Telecom Cover
C&B	Cable
CATV	Cable Television Cover
CCTV	Closed Circuit TV
CL	Cool Level
CP	Concrete (Pre-Cast)
DA	Ductile Iron
DIA	Diameter
DP	Down Pipe
EB	Electricity Junction Box
EP	Electricity Pole
ER	Earth Road
FR	Flower Bed
FL	Fire Hydrant
FW	Foul Water
FWP	Foul Water Pipe
GM	Gas Meter
GP	Gas Pipe
GV	Gas Valve
IC	Inspection Cover
ID	Invert Depth
IS	Invert Level
LP	Lamp Post
MH	Manhole
MN	Manner
MP	Monitoring Well
P	Post Box
PE	Polystyrene
RD	Road Sign
RS	Road Sign
SI	Spirit Iron
SP	Sign Post
ST	Street
STN	Survey Station
SV	Stop Valve
SW	Surface Water
TCD	Top of Chamber Depth
TL	Telephone Call Box
TLCB	Traffic Light Control Box
TP	Telegraph Pole
UTL	Unable To Lift
VR	Vent Pipe
WLD	Water Level Depth
WM	Water Meter
WSC	Water Stop Cock
WSV	Water Stop Valve
WVO	Water Wash Out

LINE-TYPE KEY	
Electricity	Electricity
Street Lighting	Street Lighting
Water	Water
Gas	Gas
BT	BT
Telecommunications	Telecommunications
CATV	CATV
Fibre Optic	Fibre Optic
Traffic Control Signalling	Traffic Control Signalling
CCTV	CCTV
Empty Duct	Empty Duct
Earth	Earth
Surface Water	Surface Water
Foul Water	Foul Water
Culvert	Culvert
Oil/Fuel Pipe	Oil/Fuel Pipe
Unknown Pipe	Unknown Pipe
Unknown Cable	Unknown Cable
Metallic Target	Metallic Target
Radar Target	Radar Target
Possible Target	Possible Target
Assumed	Assumed
Statutory Records	Statutory Records
Scan Area	Scan Area
Unable to GPS Area	Unable to GPS Area
Kerb	Kerb
Fence	Fence
Wall	Wall
Building	Building
Surface Scar	Surface Scar
Change of Surface	Change of Surface
Building	Building
Extents of Chamber	Extents of Chamber
GPS Detected Anomalous Area	GPS Detected Anomalous Area
Obstruction	Obstruction
Radio Frequency Disturbance	Radio Frequency Disturbance
Electrical Interference	Electrical Interference

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PROJECT REF: P140921 - Oak Park

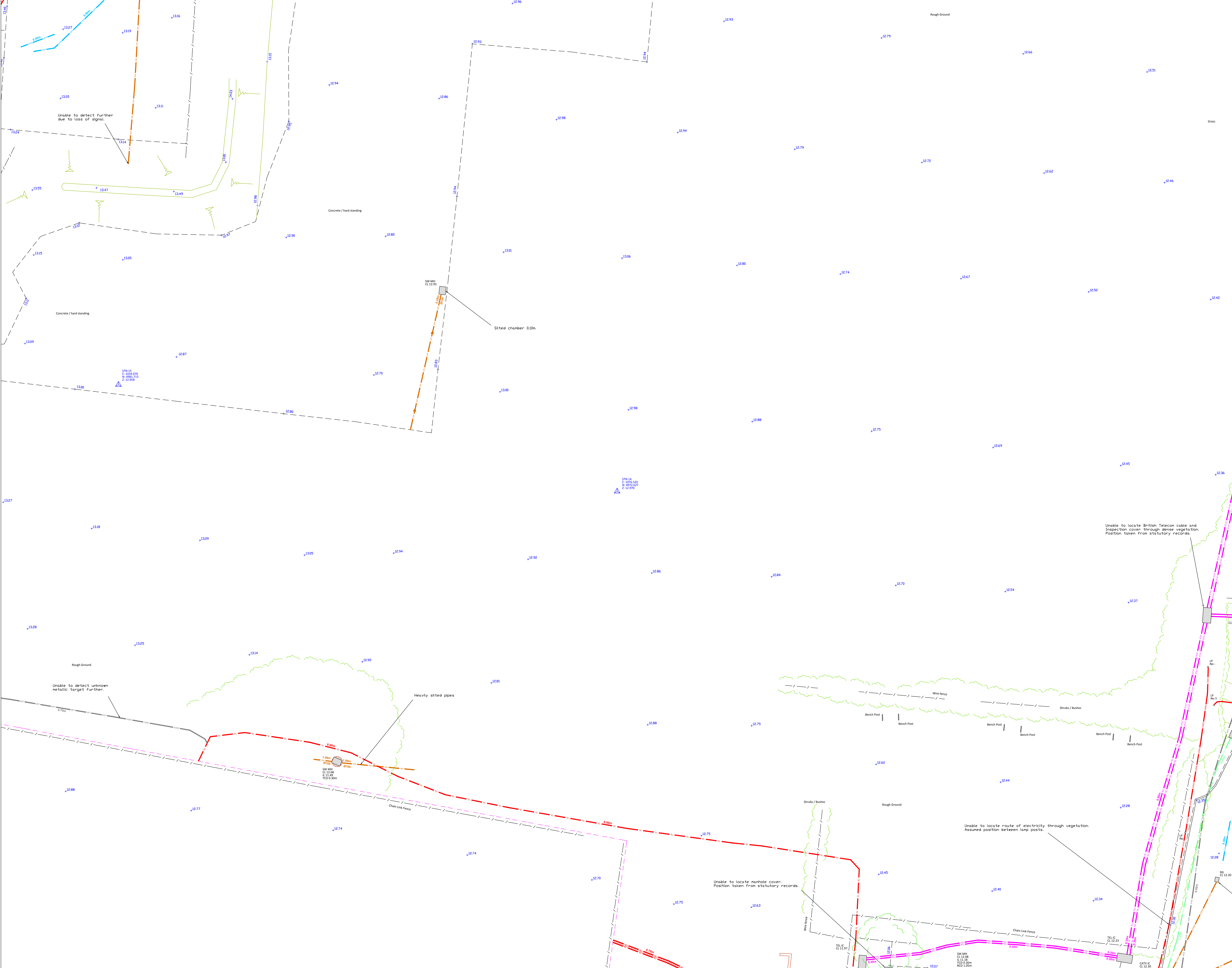
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CHECKED: NUG	SHEET NO: 3 of 8
SCALE: AO 1:100	REV: P01

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Metres 1:100
0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0



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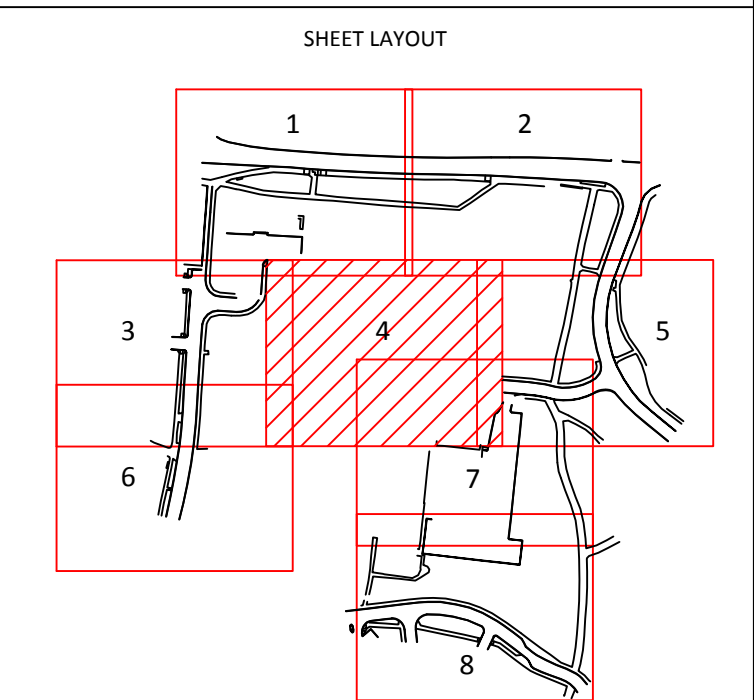
Survey control is provided on an arbitrary grid.

Accuracies: Horizontal ± 30 mm, vertical ± 100 mm.

All levels are based on T & M, obtained on 17th 01 at a value of 13.249m.

The level at 17th 01 is to OSG83 datum by GPS.

Station Control Coordinate Table			
Station	Eastings	Northings	Height
01	1000.000	5000.000	13.249
02	998.304	5048.034	14.102
03	1060.558	5051.960	13.826
04	1125.286	5051.995	13.557
05	1172.413	5045.183	13.397
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15	1034.070	4981.713	12.958



ABBREVIATIONS	
AV	Air Valve
BB	Bullhead Beacon
BCD	Bottom of Chamber Depth
BH	Borohole
BL	Borehole Light
BM	Bench Mark
BD	Bellard
BS	Bull Stop
C&B	British Telecom Cover
C&B	Cable
CATV	Cable Television Cover
CCTV	Closed Circuit TV
CL	Coast Level
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DIA	Diameter
DP	Down Pipe
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EP	Electricity Pole
ER	Earth Rod
FB	Flow Back
FL	Flood Light
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FWP	Foul Water Pipe
GM	Gas Meter
GP	Gas Pipe
GV	Gas Valve
IC	Inspection Cover
IP	Invert Depth
IS	Invert Level
LP	Lamp Post
M	Manhole
M&R	Monitoring Well
P	Post Box
PE	Polystyrene
RG	Road Sign
RS	Road Sign
SI	Spill Iron
SP	Sign Post
ST	Street
STN	Survey Station
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Radar Target	Radar Target
Possible Target	Possible Target
Assumed	Assumed
Statutory Records	Statutory Records
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Kerb	Kerb
Fence	Fence
Wall	Wall
Building	Building
Surface Scar	Surface Scar
Change of Surface	Change of Surface
Building	Building
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Obstruction	Obstruction
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PROJECT REF: P140921 - Oak Park

DRAWN: RPG **DATE:** 05/12/14

CHECKED: NUG **SHEET NO:** 4 of 8

SCALE: AO 1:100 **REV:** P01

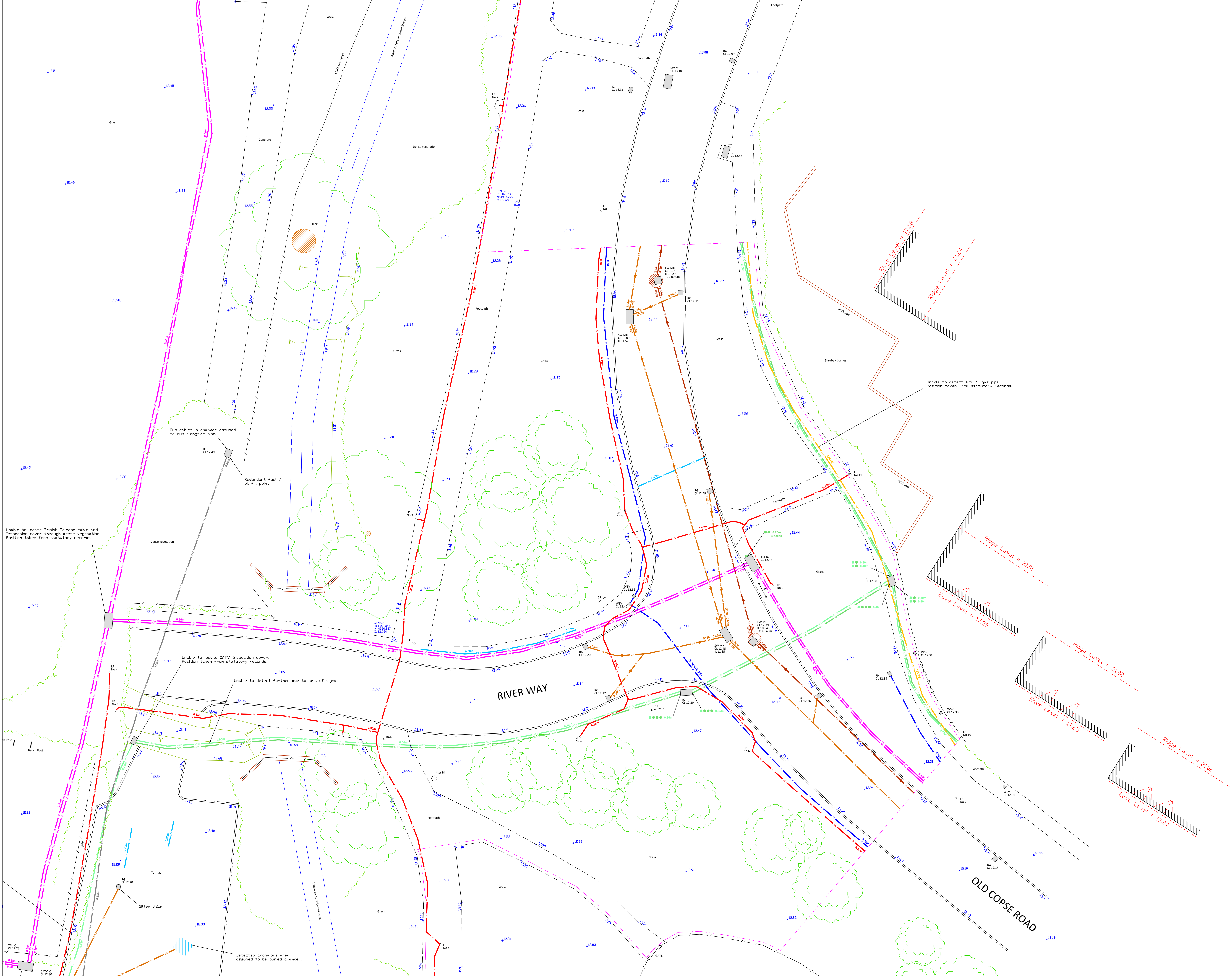
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Metres 1:100

0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0



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All levels are based on T.A.M. situated on 17N.01 at a value of 13.249m.

The level at 17N.01 is to OD/BS datum ± 6 mm.

Station Coordinate Table

Station	Existing	Northings	Height	Type
01	1000.000	5000.000	13.249	Survey Nail
02	998.304	5048.034	14.102	Survey Nail
03	1060.558	5051.960	13.826	Survey Nail
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15	1034.070	4981.713	12.958	Survey Nail

SHEET LAYOUT

ABBREVIATIONS

AV	Air Valve	IS	Illuminated Road Sign
BB	Bellbox Borehole	LP	Lamp Post
BCD	Bottom of Chamber Depth	LP	Lamp Post
BH	Borehole	M	Manhole
BL	Borehole Light	M	Manhole
BM	Bench Mark	MW	Monitoring Well
BO	Borehole	P	Post
BS	Borehole	PS	Post Box
BT	British Telecom Cover	PE	Polystyrene
C&B	Cable	PE	Polystyrene
CATV	Cable Television Cover	RG	Rain Gully
CCTV	Cable Television Cover	RS	Road Sign
CL	Cast Iron	SI	Spun Iron
CL	Cast Iron	SP	Sign Post
CP	Concrete (Pre-Cast)	ST	Street
DA	Ductile Iron	STN	Survey Station
DIA	Diameter	SV	Stop Valve
DP	Down Pipe	SW	Surface Water
EB	Electricity Junction Box	TCD	Telephone Call Box
EP	Electricity Pole	TCD	Top of Chamber Depth
ER	Earth Road	TL	Traffic Light
FB	Flow Band	TLCB	Traffic Light Control Box
FL	Fire Hydrant	TL	Traffic Light
FL	Flood Light	UTL	Unable To Lift
FW	Foul Water	W	Water
FWP	Foul Water Pipe	W	Water
GM	Gas Meter	WLD	Water Level Depth
GP	Gas Pipe	WM	Water Meter
GV	Gas Valve	WSC	Water Stop Cock
IC	Inspection Cover	WSV	Water Stop Valve
ID	Invert Depth	WWD	Water Wash Out

LINE-TYPE KEY

Electricity	Water
Street Lighting	Gas
Water	BT
Gas	Telecommunications
BT	CATV
Telecommunications	Fibre Optic
CATV	Traffic Control Signalling
Fibre Optic	CCTV
Traffic Control Signalling	Empty Duct
CCTV	Earth
Empty Duct	Surface Water
Earth	Foul Water
Surface Water	Culvert
Foul Water	Oil/Fuel Pipe
Culvert	Unknown Pipe
Oil/Fuel Pipe	Unknown Cable
Unknown Pipe	Magnetic Target
Unknown Cable	Radar Target
Magnetic Target	Possible Target
Radar Target	Assumed
Possible Target	Statutory Records
Assumed	Scan Area
Statutory Records	Unable to GPS Area
Scan Area	Kerb
Unable to GPS Area	Fence
Kerb	Wall
Fence	Building
Wall	Surface Scar
Building	Change of Surface
Surface Scar	Building
Change of Surface	Extents of Chamber
Building	GPS Detected Anomalous Area
Extents of Chamber	Obstruction
GPS Detected Anomalous Area	Radio Frequency Disturbance
Obstruction	Electrical Interference
Radio Frequency Disturbance	
Electrical Interference	

CLIENT: Ashley House plc
6 Cliveden Office Village
Lancaster Road, Cressess Business Park
High Wycombe, Buckinghamshire
HP12 3YZ

SITE: Oak Park
Off River Way
Havant
Hampshire
PO9 2EL

PROJECT REF: P140921 - Oak Park

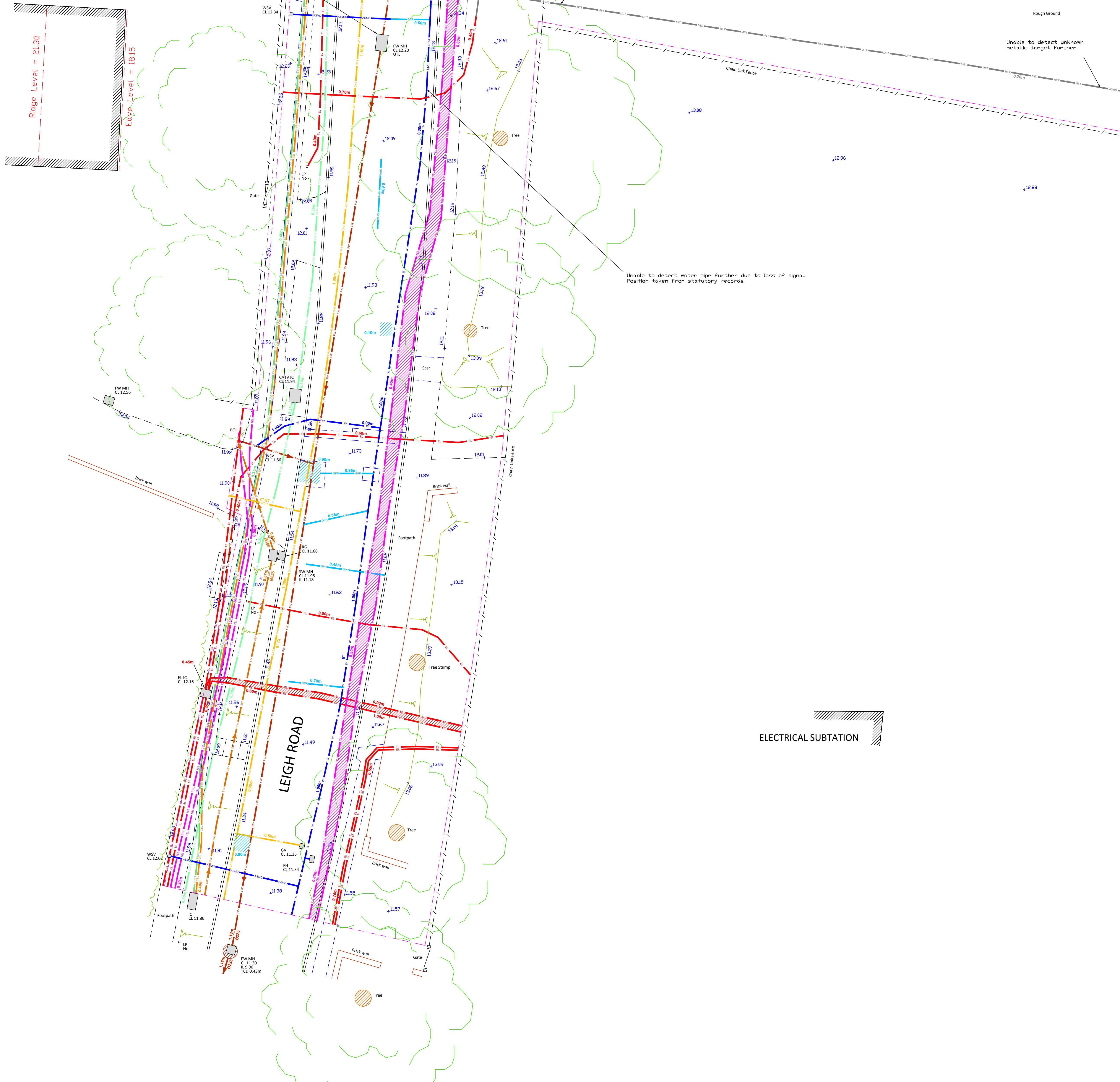
DRAWN: RPG	DATE: 05/12/14
CHECKED: NJG	SHEET NO: 5 of 8
SCALE: AO 1:100	REV: P01

Pulsemapping

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Metres 1:100



NOTES

A variety of detection technologies were used to produce the underground information recorded for this non-invasive survey. Variations in ground conditions, depth and density of services and signal interference from surrounding features can affect the accuracy of these technologies, therefore 100% detection and accuracy cannot be guaranteed.

All utility/service depths are in metres and are taken to the top of utility/service unless otherwise stated.

All pipe/duct sizes are in millimetres unless otherwise stated.

Pipe sizes are shown from visual inspection or taken from statutory information.

Sewage system pipe sizes and depths are determined from ground level due to non-entry of inspection chambers.

Underground services shown on this drawing are illustrated by a single service line. This single service line may actually represent multiple cables and/or ducts.

An anomalous feature is an unidentified subsurface area evident within the radar data that differs in response to its surrounding area. Examples of anomalous features include voiding, heavily saturated ground, buried tanks and demolished building foundations.

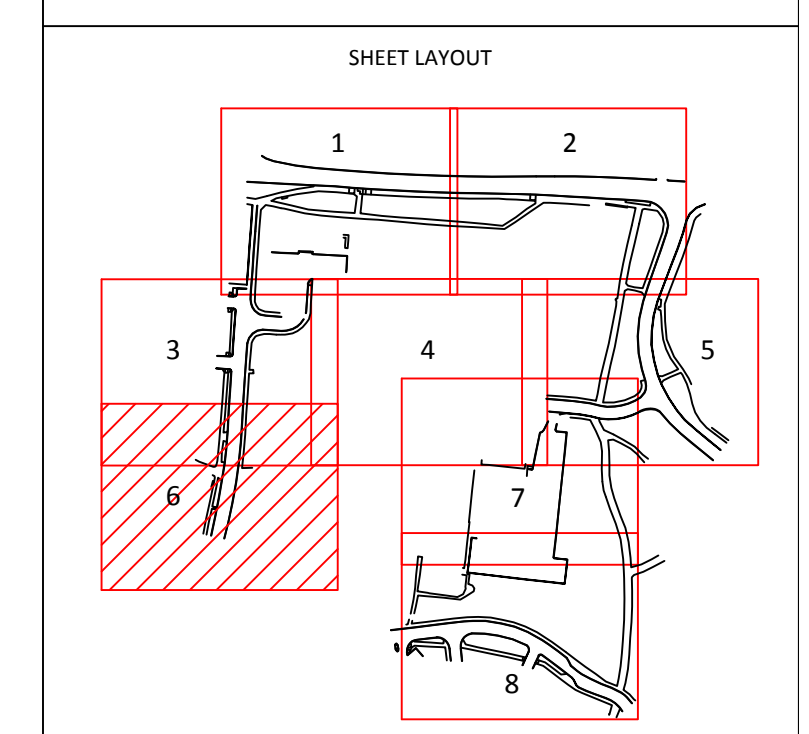
Survey control is provided on an arbitrary grid.

Accuracies: Horizontal ± 30 mm, vertical ± 100 mm.

All levels are based on T.A.M. obtained on 17th Oct at a value of 13.249m.

The level at 27m is 10.050m datum to GPR.

Station Control Coordinate Table			
Station	Eastings	Northings	Height
01	1000.000	5000.000	13.249
02	998.304	5048.034	14.102
03	1060.558	5051.960	13.826
04	1125.286	5051.995	13.557
05	1172.413	5045.183	13.397
06	1165.239	4997.275	12.379
07	1150.857	4960.387	12.764
08	1159.361	4913.014	11.963
09	1166.004	4875.685	11.866
10	1160.106	4831.519	12.486
11	1116.603	4847.120	12.585
12	1079.002	4874.200	12.367
13	1085.213	4827.698	12.564
14	1076.520	4912.817	13.370
15	1034.070	4981.713	12.958



ABBREVIATIONS			
AV	Air Valve	IS	Invert Level
BB	Bullhead Beacon	IPS	Illuminated Road Sign
BCD	Bottom of Chamber Depth	LP	Lamp Post
BH	Borohole	MH	Manhole
BL	Basement Light	MM	Manner
BM	Bench Mark	MM	Microforming Well
BO	Box Stop	P	Post
BT	British Telecom Cover	PE	Polyethylene
C&B	Cable	RE	Rodding Eye
CATV	Cable Television Cover	RG	Rain Gully
CCTV	Closed Circuit TV	RS	Road Sign
CI	Cast Iron	SI	Spirit Iron
CL	Cover Level	SP	Sign Post
CP	Concrete (Pre-Cast)	ST	Street
DA	Ductile Iron	STN	Survey Station
DIA	Diameter	SV	Stop Valve
DP	Down Pipe	SW	Surface Water
EB	Electricity Junction Box	TCD	Telephone Call Box
EP	Electricity Pole	TCD	Top of Chamber Depth
ER	Earth Road	TL	Traffic Light
FB	Flow Road	TLCB	Traffic Light Control Box
FI	Fire Hydrant	TLCB	Traffic Light Control Box
FL	Flood Light	UTL	Unable To Lift
FW	Foul Water	UTL	Unable To Lift
FWP	Foul Water Pipe	VR	Vent Pipe
GM	Gas Meter	WLD	Water Level Depth
GP	Gas Pipe	WM	Water Meter
GV	Gas Valve	WSC	Water Stop Cock
IC	Inspection Cover	WSV	Water Stop Valve
ID	Invert Depth	WWD	Water Wash Out

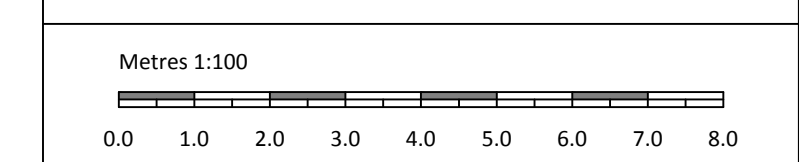
LINE-TYPE KEY	
Electricity	Electricity
Street Lighting	Street Lighting
Water	Water
Gas	Gas
BT	BT
Telecommunications	Telecommunications
CATV	CATV
Fibre Optic	Fibre Optic
Traffic Control Signalling	Traffic Control Signalling
CCTV	CCTV
Empty Duct	Empty Duct
Earth	Earth
Surface Water	Surface Water
Foul Water	Foul Water
Culvert	Culvert
Oil/Fuel Pipe	Oil/Fuel Pipe
Unknown Pipe	Unknown Pipe
Unknown Cable	Unknown Cable
Metallic Target	Metallic Target
Radar Target	Radar Target
Possible Target	Possible Target
Assumed	Assumed
Statutory Records	Statutory Records
Scan Area	Scan Area
Unable to GPR Area	Unable to GPR Area
Kerb	Kerb
Fence	Fence
Wall	Wall
Building	Building
Surface Scar	Surface Scar
Change of Surface	Change of Surface
Building	Building
Extents of Chamber	Extents of Chamber
GPR Detected Anomalous Area	GPR Detected Anomalous Area
Obstruction	Obstruction
Radio Frequency Disturbance	Radio Frequency Disturbance
Electrical Interference	Electrical Interference

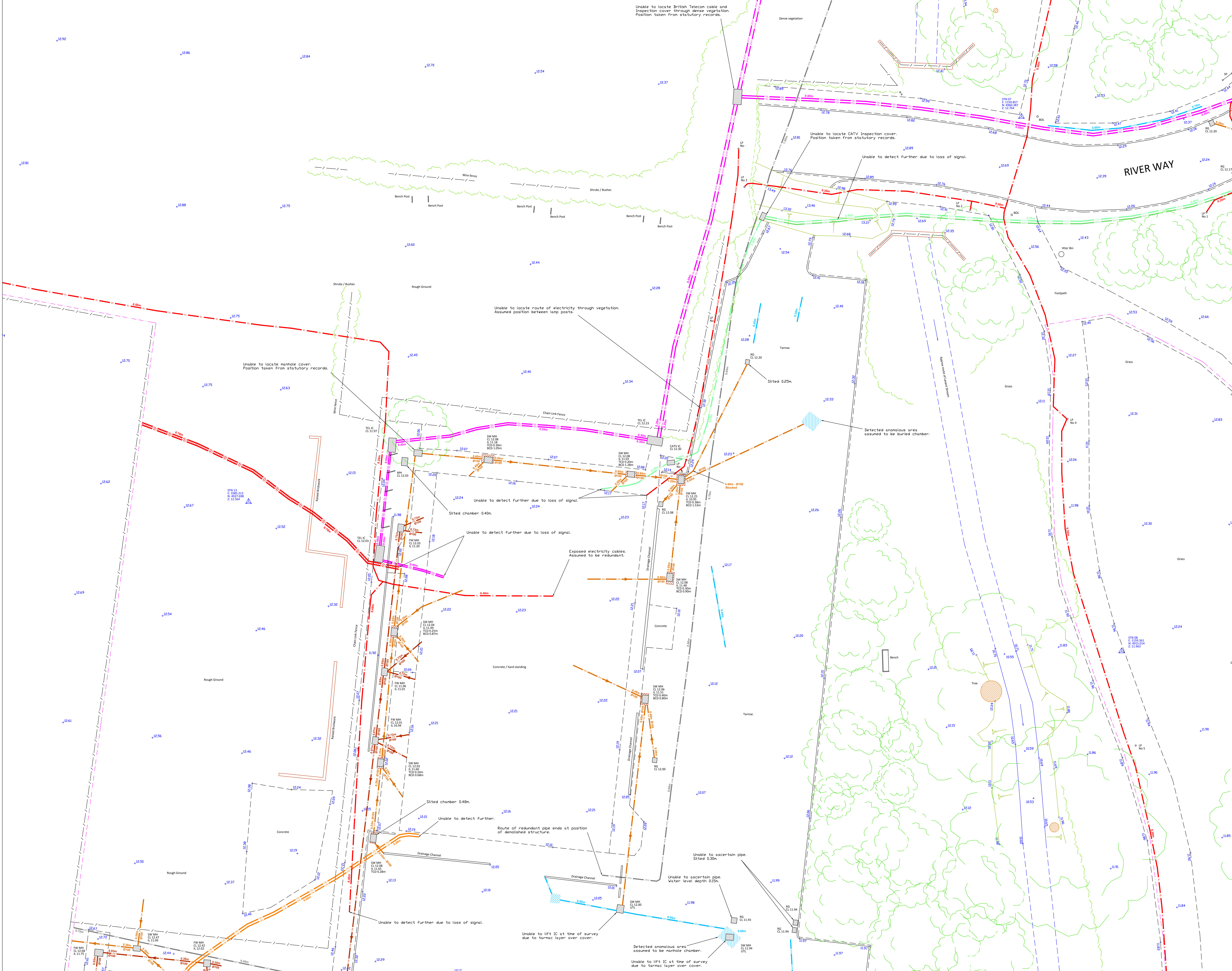
CLIENT:	Ashley House plc 6 Cliveden Office Village Lancaster Road, Cressex Business Park High Wycombe, Buckinghamshire HP12 3Y2
SITE:	Oak Park Off River Way Havant Hampshire PO9 2EL
PROJECT REF:	P140921 - Oak Park
DRAWN:	RPG
CHECKED:	NJG
SCALE:	AO 1:100
DATE:	05/12/14
SHEET NO:	6 of 8
REV:	P01

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Unable to locate British Telecom cable and inspection cover through dense vegetation. Position taken from statutory records.

Unable to detect further due to loss of signal.

Unable to locate route of electricity through vegetation. Assumed position between lamp posts.

Unable to locate manhole cover. Position taken from statutory records.

Unable to detect further due to loss of signal.

Exposed electricity cables. Assumed to be redundant.

Unable to detect further.

Route of redundant pipe ends at position of demolished structure.

Unable to ascertain pipe. Silted 0.30m.

Unable to ascertain pipe. Water level depth 11.5m.

Detected anomalous area assumed to be manhole chamber.

Unable to lift IC at time of survey due to tarmac layer over cover.

NOTES

A variety of detection technologies were used to produce the underground information recorded for this non-invasive survey. Variations in ground conditions, depth and density of services and signal interference from surrounding features can affect the accuracy of these technologies, therefore 100% detection and accuracy cannot be guaranteed.

All utility/service depths are in metres and are taken to the top of utility/service unless otherwise stated.

All pipe/duct sizes are in millimetres unless otherwise stated.

Pipe sizes are shown from visual inspection or taken from statutory information.

Sewage system pipe sizes and depths are determined from ground level due to non-entry of inspection chambers.

Underground services shown on this drawing are illustrated by a single service line. This single service line may actually represent multiple cables and/or ducts.

An anomalous feature is an unidentified subsurface area evident within the radar data that differs in response to its surrounding area. Examples of anomalous features include voiding, heavily saturated ground, buried tanks and demolished building foundations.

Survey control is provided on an arbitrary grid.

Accuracy: Horizontal ± 25 mm, vertical ± 100 mm.

All levels are based on T.A.M. obtained on 17th 01 at a value of 33.249m.

The level at T.A.M. is to ODMS8 datum by GPS.

Station Control Coordinate Table				
Station	Eastings	Northings	Height	Type
01	1000.000	5000.000	13.249	Survey Nail
02	998.304	5048.094	14.102	Survey Nail
03	1060.558	5051.960	13.826	Survey Nail
04	1125.286	5051.995	13.557	Survey Nail
05	1172.415	5048.183	13.397	Survey Nail
06	1165.239	4997.275	12.379	Survey Nail
07	1150.857	4960.387	12.764	Survey Nail
08	1159.361	4915.014	11.963	Survey Nail
09	1166.004	4875.685	11.866	Survey Nail
10	1160.106	4831.539	12.486	Survey Nail
11	1116.603	4847.120	12.585	Survey Nail
12	1079.002	4874.200	12.367	Survey Nail
13	1085.213	4827.698	12.564	Survey Nail
14	1076.520	4972.827	13.370	Wooden Peg
15	1034.070	4981.713	12.958	Survey Nail

SHEET LAYOUT

ABBREVIATIONS

Abbreviation	Meaning	Abbreviation	Meaning
AV	Air Valve	IBS	Illuminated Road Sign
BB	Bullbar Beacon	LP	Lamp Post
BOD	Bottom of Chamber Depth	MH	Manhole
BH	Bonhole	Mt	Manner
BL	Basement Light	MW	Monitoring Well
BM	Bench Mark	P	Post
BO	Bolton	PS	Post Box
BS	Bus Stop	PE	Polyethylene
BT	British Telecom Cover	RG	Rain Gully
C&B	Cable Television Cover	RS	Road Sign
CATV	Cable Television Cover	SI	Spun Iron
CCTV	Closed Circuit TV	SP	Sign Post
CL	Coast Level	ST	Street
CP	Concrete (Pre-Cast)	STN	Survey Station
CS	Cast Iron	SV	Stop Valve
DA	Diameter	SW	Surface Water
DP	Down Pipe	TCD	Top of Chamber Depth
EB	Electricity Junction Box	TL	Telephone Call Box
EP	Electricity Pole	TLCB	Traffic Light Control Box
ER	Earth Road	TL	Traffic Light
FB	Flower Bed	TL	Traffic Light Control Box
FI	Fire Hydrant	TL	Traffic Light
FL	Flood Light	UTL	Unable To Lift
FW	Foul Water	UTL	Unable To Lift
FWP	Foul Water Pipe	VS	Vent Pipe
GM	Gas Meter	WLD	Water Level Depth
GP	Gas Pipe	WM	Water Meter
GV	Gas Valve	WMC	Water Main Cover
IC	Inspection Cover	WSV	Water Stop Valve
ID	Invert Depth	WVOD	Water Wash Out

LINE-TYPE KEY

Line Type	Description
Red dashed line	Electricity
Red solid line	Street Lighting
Blue dashed line	Water
Blue solid line	Gas
Green dashed line	BT
Green solid line	Telecommunications
Purple dashed line	CATV
Purple solid line	Fibre Optic
Orange dashed line	Traffic Control Signalling
Orange solid line	CCTV
Yellow dashed line	Empty Duct
Yellow solid line	Earth
Light blue dashed line	Surface Water
Light blue solid line	Foul Water
Dark blue dashed line	Culvert
Dark blue solid line	Oil/Fuel Pipe
Black dashed line	Unknown Pipe
Black solid line	Unknown Cable
Light green dashed line	Miscellaneous Target
Light green solid line	Radar Target
Light orange dashed line	Possible Target
Light orange solid line	Assumed
Light purple dashed line	Statutory Records
Light purple solid line	Statutory Records

Other Symbols:

- Scan Area
- Unable to GPS Area
- Kerb
- Fence
- Wall
- Building
- Surface Scar
- Change of Surface
- Building
- Extents of Chamber
- GPS Detected Anomalous Area
- Obstruction
- Radio Frequency Disturbance
- Electrical Interference

CLIENT: Ashley House plc
6 Cliveden Office Village
Lancaster Road, Cressex Business Park
High Wycombe, Buckinghamshire
HP12 3YZ

SITE: Oak Park
Off River Way
Havant
Hampshire
PO9 2EL

PROJECT REF: P140921 - Oak Park

DRAWN: RPG	DATE: 05/12/14
CHECKED: NUG	SHEET NO: 7 of 8
SCALE: AO 1:100	REV: P01

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Metres 1:100



NOTES

A variety of electronic technologies are used to produce the information recorded for this type of survey. Variations in ground conditions, depth and density of services and signal interference from surrounding factors can affect the accuracy of these measurements. Therefore 100% detection and accuracy cannot be guaranteed.

All pipe and service sizes are in metres and are taken to the top of utility/service unless otherwise stated.

All pipe/joint sizes are in millimetres unless otherwise stated.

Pipe sizes are shown from visual inspection or taken from statutory information.

Service sizes are shown from manholes and are determined from ground level due to non-entry inspection of manholes.

Underground services shown on this drawing are illustrated by a single service line. This single service line may actually represent multiple cables and/or conduits.

Service lines feature an arrow pointing in the direction of flow of the service. If the data differs in response to its surrounding area, Examples of anomalous data include: heavily saturated ground, buried tanks and demolished buildings.

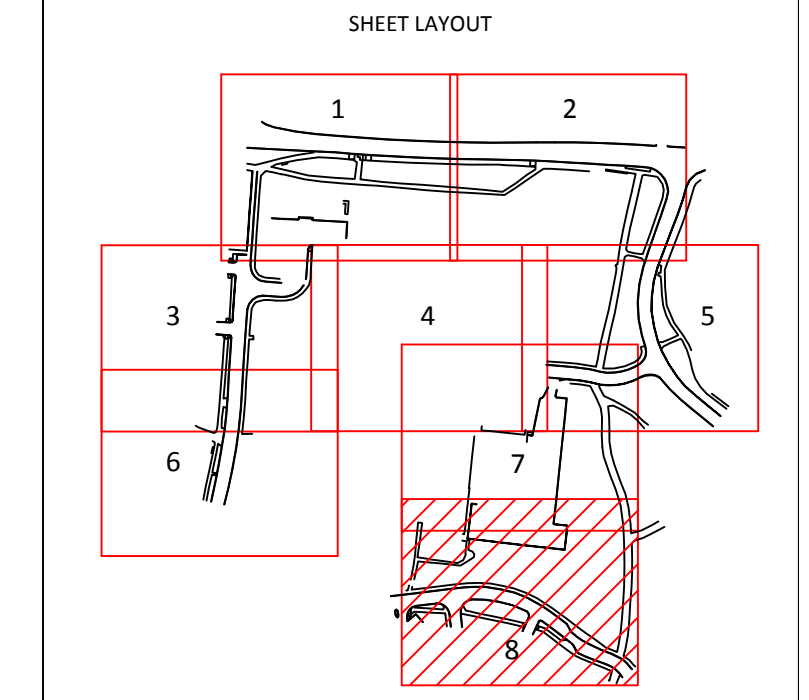
Survey control is provided on an arbitrary grid.

Horizontal datum is based on the Ordnance Survey datum.

All levels are based on T.M.V. situated on STH 601 at a value of 13.249m.

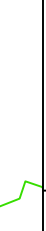
The level set at STH 601 is to OSGS3 datum by GPS.

Station Control Coordinate Table					
Station	Easting	Northing	Height	Type	
	1000.000	5000.000	13.249	Survey Nail	
	998.304	5008.094	14.102	Survey Nail	
	1060.558	5051.960	13.826	Survey Nail	
	1125.286	5051.095	13.557	Survey Nail	
	1172.413	5048.183	13.397	Survey Nail	
06	1165.239	4997.275	12.754	Survey Nail	
07	1150.167	4987.387	12.754	Survey Nail	
08	1159.362	4951.014	11.963	Survey Nail	
09	1166.044	4875.665	11.896	Survey Nail	
10	1160.106	4833.399	12.486	Survey Nail	
11	1116.603	4847.120	12.585	Survey Nail	
12	1079.092	4874.200	12.367	Survey Nail	
13	1085.213	4927.698	12.564	Survey Nail	
14	1074.520	4927.627	12.970	Wooden Peg	
15	1038.400	4981.713	12.958	Survey Nail	



ABBREVIATIONS		
AV	Air Valve	IL Invert Level
BCO	Bellows	IPS Illuminated Road Sign
BS	Bottom of Chamber Depth	ISB In-Situ Bore
BL	Bellows Basement	MR Marker
BM	Bellows Manhole	MSW Municipal Solid Waste
BO	Bolted	P Post
BT	Bottom	PS Polyethylene
CB	Cast Iron Bellows Cover	PE Polyethylene
CATV	Cable Television Cover	RG Rain Gully
CC	Cover	SG Sewer Gully
CI	Cast Iron	SP Spun Iron
CS	Cover Level	ST Street
CP	Concrete (Pre-Cast)	ST Steel
DA	Ductile Iron	SW Sewerage
DM	Down Pipe	SV Stop Valve
EJB	Electric Junction Box	TB Traffic
ER	Earth Road	TCC Traffic Control Cabinet
FP	Flow Pipe	TL Traffic Light
FI	Fire Hydrant	TR Traffic
FL	Flow Line	TR Traffic
FW	Flow Water	UL Under
FWP	Flow Water Pipe	V Vent Pipe
GL	Gully	WD Water Depth
GP	Gas Pipe	WM Water Meter
GS	Gas Stop	WS Water Stop Cock
IC	Inspection Chamber	WSW Water Stop Valve

LINE-TYPE KEY		
	85	Electricity
	86	Street Lighting
	87	Water
	88	Gas
	89	BT
	90	Telecommunications
	91	CCTV
	92	Fibre Optic
	93	Traffic Control Signaling
	94	CCTV
	95	Empty Duct
	96	Earth
	97	Surface Water
	98	Foul Water
	99	Gabsett
	100	Oil/Fuel Pipe
	101	Unknown Pipe
	102	Unknown Cable
	103	Metallic Target
	104	Radar Target
	105	Possible Target
	106	Assumed
	107	Statutory Records
	108	Scan Area
	109	Unable to GPR Area
	110	Herb
	111	Fence
	112	Wall
	113	Building
	114	Surface Scar
	115	Change of Surface
	116	Building
	117	Extents of Chamber
	118	GPR Detected Anomalous Area
	119	Obstruction
	120	Radio Frequency Disturbance
	121	Electrical interference

	CLIENT: Ashley House plc 6 Cliveden Office Village Lancaster Road, Cressex Business Park High Wycombe, Buckinghamshire HP12 3YZ			
	SITE: Oak Park Off River Way Havant Hampshire PO9 2EL			
	PROJECT REF: P140921 - Oak Park			
	DRAWN: RPG		DATE: 05/12/14	
	CHECKED: NIG		SHEET NO: 8 of 8	
SCALE: AO 1:100		REV: PD1		



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