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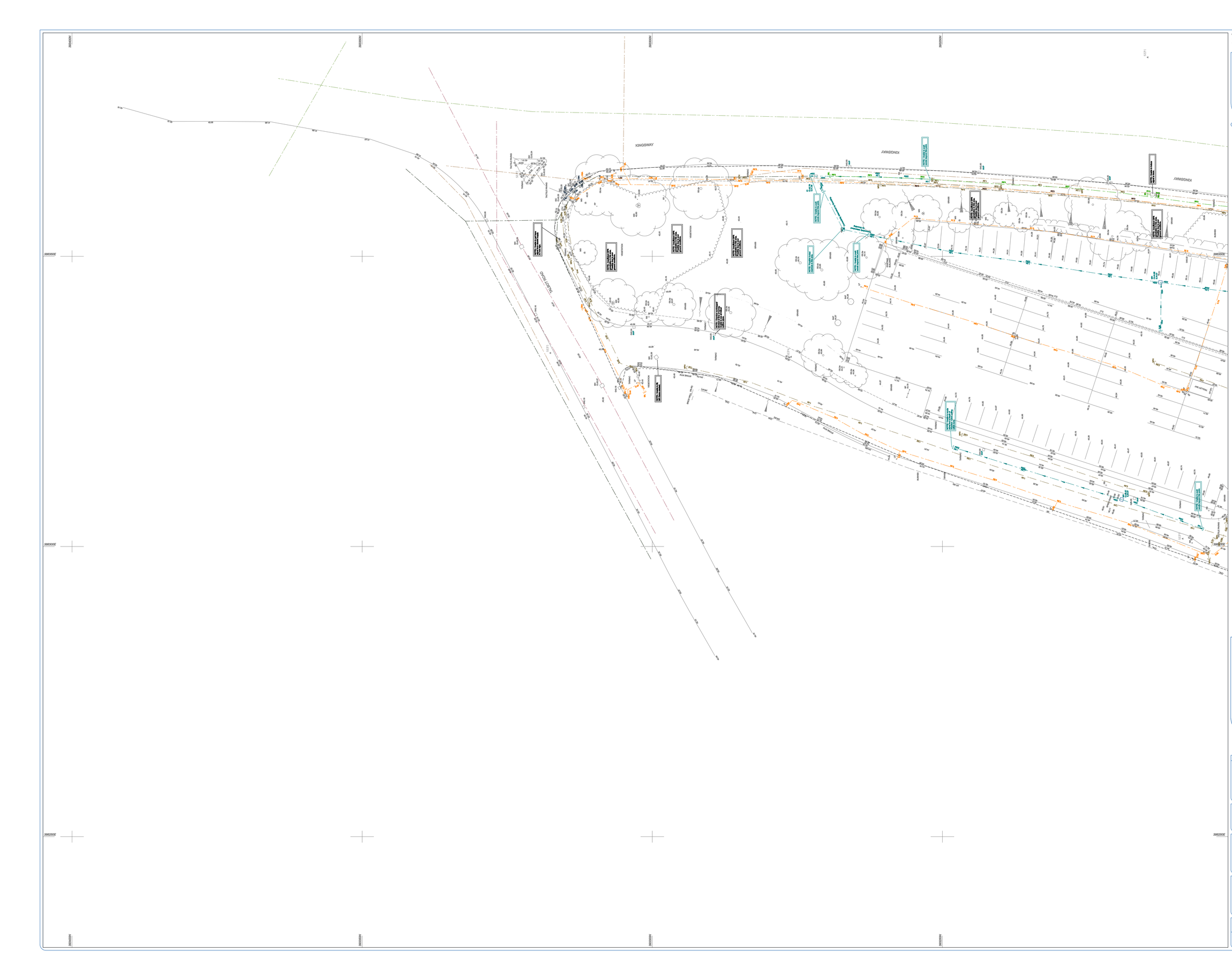


PLAN GRID NORTH

Title Home

LEGEND

AV	AIR VALVE	BT	BT
BT	BT INSPECTION COVER	BT/CCTV	BT/CCTV RECORD
CCTV	CCTV CAMERA	CATV	CABLE TV
CCTV	CCTV CHAMBER POINT	CATV	CABLE DUCT BTAT RECORD
CCTV	CCTV CHAMBER COVER	CATV	CABLE TV
CD	CABLE DUCT/CHANNEL	CCTV	CCTV
CV	CONTROL VALVE	CCTV	CCTV BTAT RECORD
DR	DRAIN	ELEC	ELECTRIC
DR	DRAIN INSPECTION COVER	ELEC	ELECTRIC BTAT RECORD
ELB	ELECTRIC BOX	ELEC	EARTH ROD BTAP
ER	EARTH ROD	ELEC	EARTH ROD BTAT RECORD
FB	FLOWMETER CHAMBER	FIBRE	FIBRE
FL	FLOODING ALLOW LEVEL	FIBRE	ELECTRIC BTAT RECORD
FH	FIRE HYDRANT	FIBRE	FIBRE LAYING BTAT RECORD
GL	GAS LINE	GAS	GAS
GLB	GROUND LIGHT	GAS	FUEL LINE
GM	GAS TAP	GAS	FUEL LINE BTAT RECORD
GMP	GAS MAIN PIT	GAS	GAS BTAT RECORD
G	GRATED GULLY	MAIN	MAINS WATER
GCO	GRATED GULLY COVER	MAIN	MAINS WATER BTAT RECORD
GO	KERB OUTLET	MAIN	MAINS WATER
HH	HAND HOLE	MAIN	MAINS WATER BTAT RECORD
LP	LAMP POST	MAIN	MAINS LW
MK	MARKER	MAIN	MAINS LW BTAT RECORD
MP	MANHOLE PIPE	MAIN	SEWER LW
PP	PYLON	MAIN	SEWER LW BTAT RECORD
PP	PETROL PUMP	MAIN	SEWER SW
PSP	PETROL PUMP PIT	MAIN	SEWER SW BTAT RECORD
POP	REJUVENATED SYS	TRAF	TRAFFIC SIGNAL CABLE
ROP	ROPPIT LEVEL	TRAF	TRAFFIC RECORD
SP	SIGN POST	TEL	TELEPHONE CABLE
TCP	TELEPHONE CALL BOX	TEL	UNIDENTIFIED CABLE
TP	TELEPHONE POLE	TEL	UNIDENTIFIED CABLE
TLB	TRAFFIC LIGHT BOX	TEL	VEHICLE DETECTION CABLE
TLP	TRAFFIC LIGHT POLE	WATER	WATER MAIN LW
VB	VALVE BOX	WATER	WATER BOUNDARY
WO	WATER OUTLET	WATER	LIMITED/MAPPED SURVEY
WSP	WATER STOP TAP		
WSV	WATER STOP VALVE		

QUALITY LEVEL

EOT	END OF TRACE
OBC	EDT OF SURVEY AREA
LTG	LEVELS TO LIFT
LTT	LEVELS TO TRACE
TTG	TRACED TO GROUND
BLK	BLOCKED
NAD	NO ACCESS OR OPR CONTACTS
SPP	NO VISIBLE PIPE
SPP	NO VISIBLE PIPE
PC	PIT COVER
PL	PIT LEVEL
	FITTING FROM RECORDS

A - Verification

B1 - Horizontal/Vertical location using multiple techniques

B2 - Horizontal/Vertical location using a single technique

B3 - Horizontal location using a single technique

C - Inferred route

D - Re-Reconnaissance

D - Desktop utility records search

NOTES

All levels relate to O.S (Newlyn) Datum, Established using network RTK. Survey plotted on a plane local grid, orientated to National Grid.
This Underground Utilities survey was conducted in compliance with the BSI PAS 128:2014 standards.
Services linetypes display text indicating tint on abbreviation of the services' function (e.g. BT = British Telecom) and the Quality Level to which that service was located (eg. B4 = Assumed route).
Quality Level descriptions shown in the above legend are for reference purposes only and are not intended as detailed descriptions.
For full information on Quality Levels, please consult the PAS 128:2014 standards document.
Lines annotated as GPR indicate a series of consistent subsurface anomalies located using the Ground Penetrating Radar and should be considered as Quality Level B2. The nature of these anomalies could not be determine by non-invasive means. GPR lines that were identifiable as a service are shown as their respective service.

DISCLAIMER:

At SEP we use skilled and experienced staff, modern up to date techniques and the latest cable electromagnetic and radar technology to locate and trace sub-surface utilities. However the performance of the equipment employed in non-invasive surveys can be adversely affected by factors outside the control of SEP. Therefore SEP cannot guarantee that all utilities present on site have been located. It is the responsibility of the Client to consult regional authority records and undertake trial digs where appropriate.

Where similar services run in close proximity it may be impossible to separately trace individual services as the trace signal can experience interference. In such cases, services will be shown as a single, annotated line. The displayed depth will refer to the shallowest detected utility.

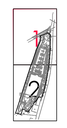
Successful tracing of non-conductive materials may be limited. Drainage guleys are dye tested where possible to prove connectivity but it is not always possible to introduce the sonde due to narrow pipe sizes and/or accumulated silt.

Depth information of underground services/features are generally accurate to within +/- 10% (i.e. a pipe at 2m deep may be accurate to +/-200mm) but this cannot be guaranteed. Depths shown usually refer to the top of the service. Gravity sewer and drain depths are usually to invert (base of drainage channel) unless otherwise stated.

Some above ground features may have been obscured at time of survey. It is not always possible to operate the Ground Penetrating Radar in areas including, but not limited to, dense vegetation, rubble, debris and/or rough/uneven ground.

Existing record information that was made available to SEP by the Client or by the statutory utility provider should be regarded only as an indication and cannot be guaranteed.

Excavation in the vicinity of services shown should be carried out with due diligence (Ref. HSG47).



SHEET LAYOUT

0 2m 4m 8m 12m 16m

SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
J A Lewis
122 Waterloo Road
Southport
PR8 3AZ

Project Title
Utility Survey of Land at:
B&M Home Store
Kingsway
Burnage
Manchester
M19 1BB

Surveyed	Drawn	Checked
B.Squires	A.Worosz	B.Brady

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Nov 22	S23992-U	01	A0	--

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PLAN GRID NORTH

Title Home

LEGEND

AV	AIR VALVE	BT
BT	BT INSPECTION COVER	BT/CCTV RECORD
CCTV	CCTV CAMERA	CABLE DUCT
CCTV	CCTV CAMERA POINT	CABLE DUCT BT/NT RECORD
CCTV	CCTV INSPECTION COVER	CABLE TV
CT	CABLE TV CUSTOM	CABLE TV BT/NT RECORD
CH	CHANNEL DRAIN	CCTV
CH	CHANNEL DRAIN	CCTV BT/NT RECORD
DR	DRAIN	TELECOM
DR	DRAIN INSPECTION COVER	TELECOM BT/NT RECORD
ELE	ELECTRIC BOX	EARTH ROD BT/NT
ER	EARTH ROD	EARTH ROD BT/NT RECORD
EL	ELECTRIC POLE	ELECTRIC
FL	FINISHED FLOOR LEVEL	ELECTRIC BT/NT RECORD
FH	FIRE HYDRANT	FIBRE OPTIC
GL	GAS BOX	FIBRE OPTIC BT/NT RECORD
GLO	GROUND LIGHT	FUEL LINE
GAS	GAS TAP	FUEL LINE BT/NT RECORD
GV	GAS VALVE	GAS MAIN BT/NT
IC	INSPECTION COVER	GAS MAIN BT/NT RECORD
LP	LAMP POST	MAINS WATER BT/NT RECORD
MO	MINE OUTLET	MAINS WATER
MH	MANHOLE	MAINS WATER BT/NT RECORD
MH	MANHOLE	SEWER BT/NT
MKR	MARKER	SEWER BT/NT RECORD
OP	OIL PIPE	SEWER FM
PP	PILLAR	SEWER FM BT/NT RECORD
PP	PETROL PUMP	SEWER PR
POST	POST BOX	SEWER PR BT/NT RECORD
POST	POST BOX	TRAFFIC SIGNAL CABLE
BCP	BOLLARD	TRAFFIC SIGNAL CABLE
RP	ROPPIT LEVEL	TRAFFIC BT/NT RECORD
TCB	TELECOM CALL BOX	UNIDENTIFIED CABLE
TCB	TELEPHONE CALL BOX	UNIDENTIFIED CABLE
TLB	TRAFFIC LIGHT BOX	VEHICLE DETECTION CABLE
TLB	TRAFFIC LIGHT BOX	VEHICLE DETECTION CABLE
WB	WATER BOX	SURVEY BOUNDARY
WO	WATER OUTLET	LIMITED/REFINED SURVEY
WO	WATER OUTLET	
WSV	WATER STOP VALVE	

QUALITY LEVEL

EOT	END OF TRACE
OBA	CUT OF SURVEY AREA
LTO	UNABLE TO LIFT
LTT	UNABLE TO TRACE
LTT	UNABLE TO TRACE
BLK	BLOCKED
BLK	BLOCKED
MH	NO PLATFORM MH
MH	NO PLATFORM MH CONTACTS
SW	NO VISIBLE PIPE
SW	NO VISIBLE PIPE
V	EXIT OF VALVE
V	EXIT OF VALVE
	FITTING FROM RECORDS

A - Verification

B1 - Horizontal/Vertical location using multiple techniques

B2 - Horizontal/Vertical location using a single technique

B3 - Horizontal location using a single technique

B4 - Assumed route

C - Site Reconnaissance

D - Desktop utility records search

NOTES:

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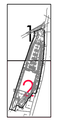

SHEET LAYOUT

0 2m 4m 8m 12m 16m

SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
J A Lewis
122 Waterloo Road
Southport
PR8 3AZ

Project Title
Utility Survey of Land at:
B&M Home Store
Kingsway
Burnage
Manchester
M19 1BB

Surveyed	Drawn	Checked
B.Squires	A.Warosz	B.Brady

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Nov 22	523992-U	01	A0	--