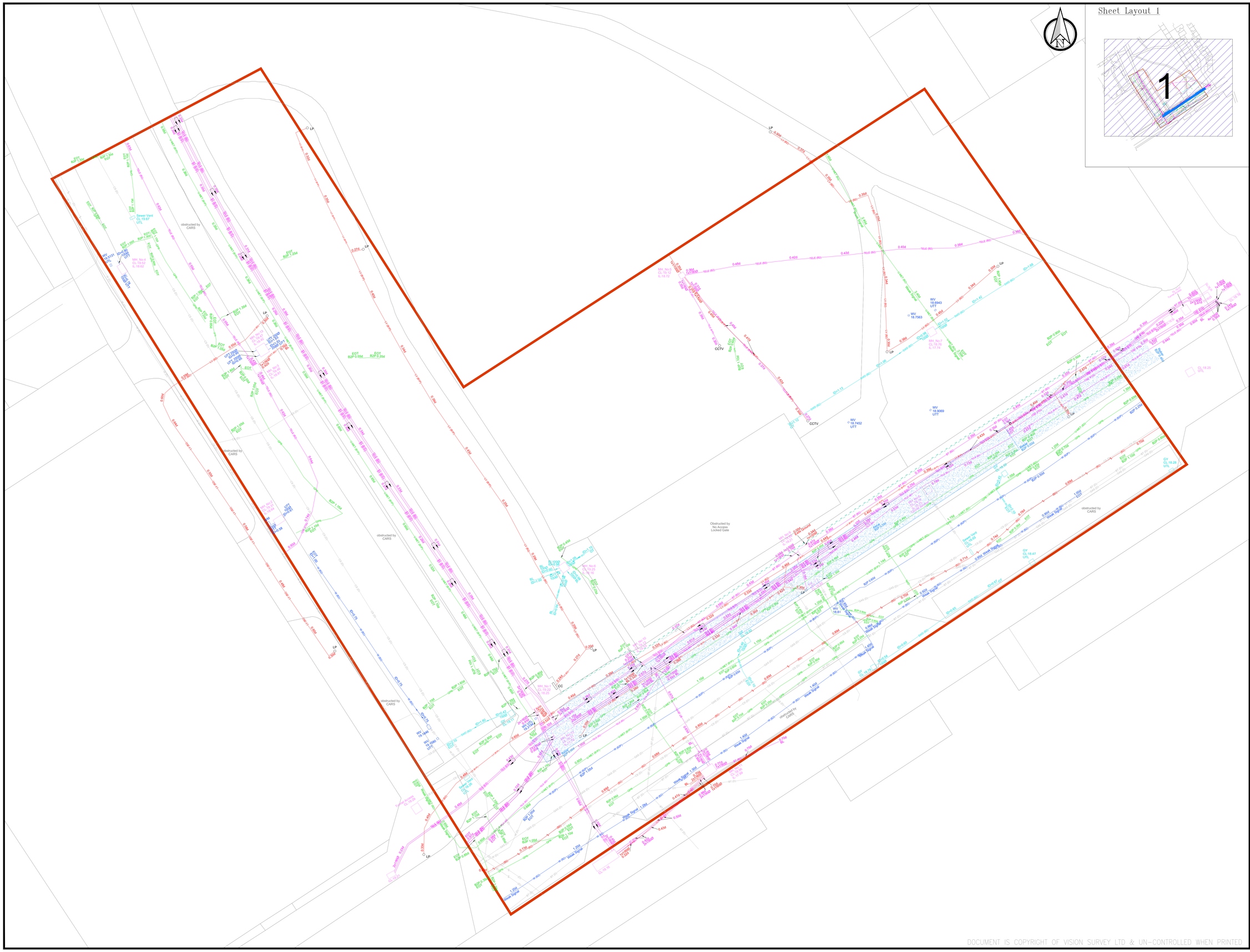

Sheet Layout 1

LEGEND:

- TELECOMMUNICATIONS (BT)
- TELECOMMUNICATIONS (CATV)
- TELECOMMUNICATIONS (OTHER)
- TELECOMMUNICATIONS OVERHEAD
- FIBRE OPTIC
- GAS
- TRAFFIC SENSOR
- LOW VOLTAGE
- LOW VOLTAGE OVERHEAD
- HIGH VOLTAGE
- HIGH VOLTAGE OVERHEAD
- EMPTY DUCT
- ELECTRIC (UNKNOWN)
- EXTRA HIGH VOLTAGE
- WATER
- HOT WATER
- CHILLED WATER
- WASHED WATER
- FOUL WATER DRAINAGE
- SURFACE WATER DRAINAGE
- FOUL WATER RISING MAIN
- SURFACE WATER RISING MAIN
- COMBINED SEWER
- OIL/FUEL
- SERVICE ABANDONED
- UNKNOWN METALIC
- UNKNOWN NON-METALIC
- SERVICE ABANDONED
- GPR TARGET
- GPR POSSIBLE TARGET
- GPR POSSIBLE UNDERGROUND STRUCTURES
- GPR ANOMALY
- GPR REBAR
- BURIED FEATURE
- FENCE
- VEGETATION
- SURFACE CHANGE
- SURVEY BOUNDARY

	Quality level	Location Accuracy Horizontal	Location Accuracy Vertical	Supporting data
Desktop utility records search	QL-D	Undefined	Undefined	
Site reconnaissance	QL-C	Undefined	Undefined	If segment of utility whose location is demonstrated by visual reference to street furniture, topographical features, or paint marks of other buried utility (endorsement ours)
Detection	QL-B4	Undefined	Undefined	If utility segment which is suspected to exist but has not been detected, or which is known to exist but on assumed route
	QL-B3	±500mm	Undefined (No reliable depth measurement possible)	Horizontal location only of the utility detected by one of the geophysical techniques used
	QL-B2 QL-B2P	±250mm or ±342B of detected depth, whichever is greater	±42B of detected depth	Horizontal and vertical location of the utility detected by one of the geophysical techniques used
	QL-B1 QL-B1P	±150mm or ±72B of detected depth, whichever is greater	±15B of detected depth	Horizontal and vertical location of the utility detected by multiple geophysical techniques used
Verification	QL-A	±10mm	±25mm	Horizontal and vertical location of the top and/or bottom of the utility

ABBREVIATIONS:

2x1/100	DUCT CONFIGURATION & SIZE IN MILLIMETRES	IL	INVERT LEVEL
		LCP	LETTICE POLE
0.50	DEPTH IN METRES	LH	LAMP HOLE
BH	BORE HOLE	LP	LAMP POST
BL	BLOCKED	MKR	MARKER POST
BO	BOLLARD	MH	MANHOLE
CCTV	CCTV CAMERA	NV	NOT VISIBLE ON SITE
CC	CONTROL CABINET	PO	POLE
CL	COVER LEVEL	RE	RODDING EYE
CO	COLUMN	RI	RISER
CP	CATCH PIT	RS	ROAD SIGN
DP	DRAINPIPE (DOWNPIPE)	SA	SOAK AWAY
EOT	END OF TRACE	SL	SENSOR LOOP
EP	ELECTRIC POLE	TL	TRAFFIC LIGHT
ER	EARTH ROD	VP	VENT PIPE
FH	FIRE HYDRANT	WO	WASH OUT
GV	GAS VALVE	WV	WATER VALVE
GY	GULLY	UTL	UNABLE TO LIFT
JNT	STRAIGHT JOINT	UTT	UNABLE TO TRACE
		OT	OBSTRUCTED TRACE

NOTES:
1. This survey has been orientated to the existing site grid & level datum using control stations taken from the topographic survey supplied by the client which is shown in grey.
2. All utility diameters are in mm & all other dimensions are in m unless stated.
3. Where services are illustrated as a single line, they may represent multiple pipes/ducts - see accompanying text.
4. If outside ducts are shown for duct clusters the lines represent the middle of the top, outer ducts in the cluster.
5. Taped depths at manholes are approximate and are provided to the top of pipes, middle of ducts/cables and invert levels of drainage runs unless stated. Depths are recorded at the time of the survey.
6. Unloaded or perfectly balanced electric cables may not be detectable using EML methods.
7. The correct identification of the utility types cannot be 100% guaranteed, therefore these should be independently verified prior to use in any design/building works.
8. Where possible, the ownership of inspection covers has been derived from information on the covers or from cable tags. This does not necessarily mean that they use or are the sole users of the apparatus.
9. Dimensions should not be scaled. All dimensions should be checked onsite before proceeding with any works.
10. A number of technologies were used to obtain the information shown on this drawing. Varying ground conditions can affect the performance of these systems therefore 100% detection is not always guaranteed. Always exercise caution when excavating. See HSG-47.

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WARNING

A range of detection methods were used to obtain any underground data indicated in this drawing. Variations in ground conditions can affect the quality of the data and therefore no guarantee can be given that all services (live or redundant) have been shown. Trial holes must be taken to determine actual position and depth of services. HS(G)47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Services – should be consulted before commencing excavation work.

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Ver	Date	Comments	Drn	Chk
0.1	16.01.20	For Information	VK	LO

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Site: BRILL PLACE

Drawing Title: 2D DRAWING UNDERGROUND UTILITY SURVEY

Scale	Drawn By	Date Drawn	Checked By
1:150@A1	VK	16.01.20	LO

Drawing No.: VIS-6372-PDF-001
Revision: 1.0
Sheet No.: 1 of 1

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