



399700M

TOPOGRAPHICAL SURVEY/UTILITY KEY :-

h) - height	mh - manhole cover
h) - diameter	mr - marker
h/a - assumed route	a/h - over head
av - air valve	o - off set
ba - bell-bottom	o/a - off survey area
bd - back drop	ob - ordinance survey bench mark
bs - back sight	o & f - fence - post & rail fence
b/s - bottom of shaft	re - reading eye
bt - telecom	ret wall - retaining wall
b/c - basic	rf - roof sign
b/c/x - control box	rwp - raw water pipe
b/v - below	s - sewer
c - cover level	s/c - sewer branch
co - collar	s/p - safety paving
c/c - center	sp - spilling
c/c - center riser	sq - square
cwc - combined water sewer	sq - security fence
d/c/on - drainage channel	ss - soil filled chamber
d - depth	st - soil pipe
e/b - electric junction box	st - spot light
e/c - electric	sv - stop valve
eat - end of trace	sva - soil vent pipe
ep - electric	sw - storm water sewer
er - earth rod	TBM - temporary bench mark
f/b/d - bed	ts - top of records
f - fire hydrant	tl - threshold level
fl - floor level	top - top of pipe
fl - fire	top - top of pipe
fl - fire switch	top - top of tank
fw - four water chamber	ts - telecom pole
fw - four water sewer	ts - traffic signal
g - gully	u/b - underlie
g/run - gully run	u/b - unable to lift
h - hydrant	u/b - unable to lift
h/c/hystrut - hose hystrut	u/r - unable to survey
h/b/m - h/b/m	u/s - unable to survey
ic - inspection cover	v - vent pipe
i - invert level	w/c - water filled chamber
i - illuminated	w - water level
int - interceptor	wm - water meter
lp - lamp post	w - waste pipe
	w - water riser

SURVEY CONTROL :-

TATION	EASTINGS	NORTHINGS	LEVEL
ST01	388157.187	399610.465	81.110
ST02	388219.391	399653.15	81.707
ST03	388298.976	399631.059	79.894
ST04	388314.461	399703.611	82.383

UTILITY SURVEY KEY :-

	W	W	WATER PIPE	W	WATER PIPE
	S	S	STORM SEWER	F	FUEL PIPE
	B	B	BURIED	S	STORM SEWER
	TV	TV	CABLE TELEVISION	C	CUMTS
	COM	COM	DATA CABLE	T	TELECOM CABLE
	G	G	GAZ PIPE	P	PUMP
	U	U	UNIDENTIFIED SERVICE	C	CITY
	CTV	CTV	OTHER	CTV	CTV
	O	O	OFFSET FILL	T	TRAFFIC LIGHT
	N	N	NENT	F	FUEL PIPE
	P	P	GAUGE LINES	P	PUMP
	AR	AR	ASSUMED ROOF	T	TRAFFIC LIGHT
	IR	IR	IR	T	TRAFFIC LIGHT

DISCLAIMER :-

Electromagnetic techniques have been used in the location of underground services. The results are not infallible and trial excavations should be used to confirm service identification, positions and particularly depth, where these are critical. The completeness of the underground services information cannot be guaranteed.

This method of survey does not differentiate between live and dead services, and as such all services should be treated as live. This drawing may not include the location of all public services that may cross the site, therefore the relevant service drawings should be obtained from the appropriate utility company and used in conjunction with this drawing.

Private service pipes and cables in highways are not shown, but their presence should be anticipated.

Additional below ground structures or obstructions not shown on this drawing may be present. Reference should be made to historical plans and on-site built drawings. Excavations in the vicinity of services should be carried out with due diligence to BS5473 documents.

UNABLE TO ROD GULLYS DUE TO NO VISIBLE OUTLET PIPE. AN ASSUMED ROUTE HAS BEEN SHOWN THEREFORE SHOULD NOT BE TAKEN AS ACCURATE.



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Title TOPOGRAPHICAL SURVEY / UN

Scale 1:200 @ A1

Checked J.J.

**TOPOGRAPHICAL (LAND) SURVEYORS / UTILITY SURVEYORS
BUILDING MEASUREMENT SURVEYORS / 3D LASER SCANNING**



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