

Diagram illustrating the cross-section of a utility line with various services and their depths:

- HV ELECTRIC CABLES
- LV ELECTRIC CABLES
- TELEPHONE
- CABLE TV
- DATA CABLES
- GAS MAINS
- WATER MAINS
- UNIDENTIFIED
- FOUL WATER SEWERS
- COMBINED WATER SEWERS
- STORM WATER SEWERS
- RISING MAIN
- ABANDONED SERVICE
- OVERHEAD SERVICE
- OTHER SERVICES
- END OF TRACE (EOT)

av	air valve	Merc	Mercury IC
bd	back drop	mrk	marker
bk	brick	nl	not located
BT	British Telecom IC	o/f	overflow
cab	cabinet	prv	pressure reducing valve
cl	cover level	re	redding eye
dp	down pipe	rs	road sign
ep	electricity junction box	rs	rodded to stop
eor	end of rodding	rw	rain water pipe
eot	end of trace	sc	scop cock
ep	electricity pole	sv	stop valve
fl	floor light	tv	telegraph pole
ffl	finished floor level	tv	cable tv ic
fl	fire hydrant	utl	unable to lift
gs	gas syphon	uts	unable to survey
gv	gas valve	vp	vent pipe
ic	inspection chamber	wl	water level
il	invert level	wrn	water meter
lh	lamp hole	wo	washout
lp	lamp post		

Merc Mercury IC
mkr marker
nl not located
o/f overflow
prv pressure red
re rodding eye
rs road sign
rts rodde to st
rwp rain water p
sc stop cock
sv stop valve
tp telegraph pole
tv cable tv ic
utl unable to lift
uts unable to su
vp vent pipe
wl water level
wm water meter
wo washout

Topographic Survey by Donaldson LLP, no survey stations found on site, RGI survey of services and street furniture merged by graphical fit and arbitrary level datum to office finished floor level.

Station	Easting	Northing	Level
RG1	887.587	1070.614	100.318
RG2	1000.291	1001.013	100.033

b	Bollard	Mic	Mercury Telecom IC
bol	Litter bin	m	Road Name plate
bus	Bus stop	p	Parking meter
c	Critical telecom IC	pm	Post
cab	Binnet	r	Rodding eye
d	Digital television cover	rs	Road sign (electrical)
cps	Concrete Paving Slabs	rwp	Rain water pipe
cl	Cable	s	Sign post
dj	Data Logger	st	Stop tap
e	Down Pipe	sv	Stop valve
epj	Electric Junction box	t	Cable stay
f	Floodlight	tcb	Telephone call box
fm	Flow Meter	tl	Traffic light
g	Gastopost	tp	Telegraph pole
gy	Gully	v	Vent pipe
gv	Gas valve	wm	Water meter
h	Hydrant	w	Water outlet
ht	Height	us	Unable to Survey
ic	Inspection Cover		
j	Junction box	Level	prefix descriptions
k	Kerb cutout	a	Ach level
lb	Letter box	bl	Bed level
lp	Lamp post	c	Cover level
m	Marker marker	el	Eaves level
mp	Mile post	f	Finished Floor level
n		i	Invert level
dp	Drainage abbreviations	p	Parapet level
bd	Back drop	r	Road/Ridge level
lh	Lamp hole	si	Soffit level
re	Rodding eye	tow	Top of wall level
of	Off road	tbl	Table level
w	Wash water	tl	Water level

Electromagnetic detection techniques have been used to locate underground services. We have used these methods successfully since our establishment in 1989 to provide comprehensive services surveys. Identification of services is only possible through confirmation with record drawings and with the experience of the surveyor. The means of applying a locating signal provide the best possibility of correct route location and identification, but it should be noted that results are not flawless. Where critical we advise confirmation of services by trial pits. The services survey should be read in conjunction with utility record drawings. Although all efforts are made to provide a complete and comprehensive survey as possible, Rugby Ground Information Ltd cannot guarantee the completeness of the survey.

We are not allowed to lift or access BT covers and therefore our survey for BT cables may be restricted. For this reason we advise contacting BT to arrange BT duct location by Bt Engineers prior to any excavation.

Non-locatable services not shown on our survey may exist.

Services not electronically located are annotated as follows:

GPR	GROUND PROBING RADAR
NL-A	NOT LOCATED - plotted in an assumed position
NL-I	NOT LOCATED - plotted from on site information
NL-R	NOT LOCATED - taken from records
NL-TS	NOT LOCATED - plotted from visible trench scars

Depths to services are indicated by 1.00d etc, and are provided as a guidance only and are not infallible. Therefore if critical we advice confirmation by other means.

Drainage chambers depths are inverts from cover level.

Depths to services at chambers are to top of service.

Drainage details have been carried out by non-man entry means, unless otherwise stated. Pipe sizes and depths are as accurate as possible when surveyed from the surface.

rev1	16.08.11	Details added from CCTV drain survey
<i>Revision</i>	<i>Date</i>	<i>Remarks</i>

Client

Leicestershire Fire and Rescue Service

— *Project Title*

Location and Mapping of Underground Services and Drainage at Southern Fire and Rescue Station, Meridian East,

Meridian Business Park, LE31WZ

—drawing no. _____
5519-20-Southern

date 21st July 2011

surveyed		drawn
JD	FL	SB

<i>chkd</i>	<i>scale</i>	<i>plot</i>
AD	1:200	A2

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