



SHEET LAYOUT

UTILITY LEGEND

FD	Foul Drainage	GR	GPR Ground Anomaly
CD	Combined Drainage	GM	GPR Geological Movement
EL	Electricity	GRF	GPR Reinforcement
OT	Overhead Electricity	GRU	GPR Underground Structure
TL	Traffic Light System	GRV	GPR Underground Void
GA	Gas	SE	Survey Extents
W	Water	PH	Photo Position
TEL	Telecommunications		
CT	Cable Television		
CC	Cable Circuit		
BT	British Telecom		
OT	Overhead Telecom		
FO	Fibre Optics		
U	Unknown		
UR	Unknown Route Located by GPR		
DU	Ducting		
FL	Fuel Oil		
HW	Hot Water		
CA	Compressed Air		
IP	IP Address		

* Please Note:
Private Telecom Provider's Utility routes are shown with company name in line style
Utility routes shown in dark grey & with line type (QL+D) are from existing records.
Example: ———— QL+D ————

ABBREVIATIONS

AC	Asbestos Cement	FG	Flow Curb Corner	SA	Survey Abandoned
ADU	Air Conditioning Unit	FS	Flag Staff	SA	Soakaway
AD	Assumed Direction	G	Gully	SB	Safety Barrier
AR	Assumed Route	GPRB	Ground Penetrating Radar	SC	Speed Camera
AV	Air Valve	GI	Ground Inconclusive	SEF	Safety Fence
BB	Bellman Beacon	GL	Ground Light	SI	Spun Iron
BD	Back Drop	GV	Gas Valve	SL	Soft Level
BAL	Bed Level	HR	Hand Rail	SL	Street Lighting (Electric)
BH	Borehole	HV	High Voltage	SP	Sign Post
BK	Breastert Light	IC	Inspection Cover	Spr	Spring
BO	Bolton	IR	Iron Rail Fence	SS	Some Shops
BQC	Bottom of Chamber	KD	Keels Ducted	ST	Street Tap
BR	Brick Slip	LC	Lamp Hole	STS	Structural Support
BT	British Telecom Box	LOR	Level Of Reflection	ST	Survey Station
BTB	British Telecom Box	LOS	Loss Of Signal	SW	Stone Wall
BW	Brick Wall	MB	Mooring Bollard	SW	Stone Wall
BWF	Barbed Wire Fence	MC	Multiple Cables	T	Tackles
Cam	Camera	MC	Multiple Cables	TBM	Temporary Bench Mark
CA	Canopy Level	MC	Manhole Cover	TC	Telephone Cover
CB	Close Boarded Fence	MV	Marker Post	TCB	Telephone Call Box
CC	Control Cabinet	MP	Manhole Post	TCP	Telephone Call Post
CH	Chimney	NFI	No Further Information	TR	Traverse From Records
CIV	Close Circuit TV	NP	No Pipe Visible	TR	Traverse From Records
CL	Cast Iron	NS	Name Plate	TH	True Hour / PM
CL	Chain Link Fence	NSA	Not Survey Area	TK	Task
CL	Chain Link Fence	OS	Of Survey Area	TL	Top Of Wall
CL	Close Level	PE	Perimeter Bench Mark	TS	Telephone Signals
CD	Concrete	PE	Perimeter Bench Mark	TP	Telephone Pole
CP	Cast Pipe	PEM	Perimeter Ground	TR	Traverse
CP	Cast Pipe	PEM	Perimeter Ground	TSC	Temporary Sign Cover
CUL	Culvert	PL	Plastic	UTL	Unable To Gain Access
CUL	Culvert	PL	Plastic	UTL	Unable To Locate
CW	Control Wall	PM	Painting Marker	UTL	Unable To Survey
DI	Ductile Iron	PR	Post and Rail Fence	UTL	Unable To Survey
DI	Disinfectant	PS	Pipe Sign	UTL	Unable To Survey
ds	Disassembled	PV	Pump	VC	Vertical Clearance
ds	Disassembled	PV	Pump	VCP	Vertical Clearance Post
DSW	Dry Stone Wall	PW	Post and Wire Fence	VP	Vertical Pipe
EB	Electric Box	PWR	Post and Wire Fence	VR	Vertical Recovery
EC	Electric Cover	P	Pneumatic	W	Water
ED	Empty Duct	R	Rail	WL	Water Level
EFP	Electric Feeder Pillar	RE	Rodding Eye	WM	Water Main
EOT	End of Tape	RL	Roof Level	WM	Water Main
EP	Electric Pole	RP	Reflector Post	WD	Wash Out
ER	Earth Road	RS	Road Sign	WMS	Water Main Sample
FC	Fuel Cover	RSP	Road Sign Post	WS	Window Sample
FCL	Finished Floor Level	RW	Retaining Wall	WV	Window Valve
FH	Fire Hydrant	S	Shanty		

DISCLAIMER

Unless otherwise stated, all services shown on this plan have been surveyed using approved detectors and the connections between them, if not traced, are assumed to be direct.
No guarantee can be given that all services have been shown.
In ideal conditions the depth accuracies for the underground utilities located is +/- 10% of depth.
Where services are shown as 'Taken From Records' on the drawing we are not liable for any loss that may arise due to a lack of accuracy in that record information.
Reference should be made to the methodology used on site as detailed within the latest version of 40SEVEN's Site Procedures for Utility Location Surveys.
Excavations in the vicinity of services shown are to be carried out with due diligence (Ref: HSE/G47).
The following text is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and larger issued by the Royal Institute of Chartered Surveyors February 1996.
"Electronic tracing is a reliable method of locating buried services. On heavy built up sites 80% completeness is probably all that can be expected.
"When accuracy of the order of +/- 100mm may be achieved but the figures will depend on the depth of the service below ground level. Where similar services run in close proximity, separation may be impossible. Successful tracing of non-metallic pipes may be limited.
"Existing record information showing underground services is often incomplete and of doubtful accuracy. It should be regarded only as an indication and cannot be guaranteed."

NOTES

Read in conjunction with existing records.
Utility routes and not shown in dark grey are from existing records.
Drainage routes with a pipe diameter of 300mm or greater are shown as the pipe width along with continuous line style.
For copies contact 40SEVEN.
Services plotted outside survey extents should not be considered to be exhaustive.

REV.	DETAILS	BY	DATE

LEADS LONDON
0113 251 9700 01752 740696
E-Mail: info@40seven.com Web site: www.40seven.com

CLIENT:
ARCADIS CONSULTING LTD
1st FLOOR - 2 GLASS WHARF
TEMPLE QUAY
BRISTOL BS2 0FR

PROJECT TITLE:
TFL SMALL SITES
PALMERSTON CRESCENT

DRAWING TITLE:
TOPOGRAPHIC & UTILITY MAPPING SURVEY

SURVEYED BY: EF / SF	DRAWN BY: NC	APPROVED BY: LP
SCALE: 1:200 @ A1	SURVEY DATE: 01/2020	
DRAWING NUMBER: 1178_P_Palmerston_Crescent		
SHEET NUMBER: 1 of 3 A1		

Survey Type	Quality Level	Post-Processing	Location Accuracy		Supporting Data
			Horizontal	Vertical	
D Desktop utility Records Search	QL-D	-	Undefined	Undefined	-
C Site Reconnaissance	QL-C	-	Undefined	Undefined	A segment of utility whose location is demonstrated by visual reference to street furniture, topographical features or evidence of previous street works (reinstatement scar).
B Detection	QL-B4	No	Undefined	Undefined	A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route.
	QL-B3	No	±500mm	Undefined	Horizontal location only of the utility detected by one of the geophysical techniques used.
	QL-B3P	Yes		(No reliable depth measurement possible)	
	QL-B2	No	±250mm or 40% of detected depth whichever is greater	±40% of detected depth	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
	QL-B2P	Yes			
A Verification	QL-B1	No	±150mm or 15% of detected depth whichever is greater	±15% of detected depth	Horizontal and vertical location of the utility detected by multiple geophysical techniques used.
	QL-B1P	Yes			
	QL-A	-	±50mm	±25mm	Horizontal and vertical location of the top and/or bottom of the utility.

