Notes:
Electromagnetic and/or Ground Penetrating Radar techniques have been used to locate/map underground utilities and features on this drawing. Cadmap Ltd has made every endeavour to make sure that the information contained within this drawing is accurate and of the highest quality. Cadmap Ltd has used any record drawings provided by the client or by the Statutory Utility Providers, at the client's request, at the time of the survey. Any information taken from these drawings (e.g. pipe sizes and position) is not guaranteed. Historic record information is often incomplete and inaccurate and cannot be relied upon. Cadmap Ltd is not liable for any topographical survey that has not been undertaken by us. Any inaccuracies relating to topographical plans/development plans/Ordnance Survey data that we have no control over is the liability of the customer. Where quoted, depth information of underground services/features is stated. Depths are generally within +/10% accurate, but cannot be guaranteed. Any depths shown on drains are usually to invert (base of drainage channel) unless otherwise stated. At Cadmap Ltd we use skilled staff and modern, calibrated equipment to perform our surveys. However, the completeness of any underground survey cannot be 100% guaranteed and the results from these types of surveys are not infallible. If the location or depth of services/features is of particular importance to a project then it is strongly recommended that discussions are held with Cadmap Ltd regarding any possible limitations or anomalies. It is also strongly advised that trial excavations should be undertaken to confirm survey results. We cannot be held responsible for any inaccuracies beyond those that could be reasonably expected by a competent company.

ABBREVIATIONS (Land & Utilities)

AR	ASSUMED ROUTE	KO	KERB OUTLET	SL	SIGNAL LOST
AV	AIR VALVE	Ly	LIFEBUOY	SP	SIGN POST
BB	BELISHA BEACON	Lck	LOCK GATE	SPS	SHEET PILING
BH	BOREHOLE	Ld	LADDER	SPT	SAMPLE
BM	BED LEVEL	LH	LAMP HOLE	SPx	SAMPLING POINT
BH	BOREHOLE	LP	LAMP POST	ST	STOP TAP
BHch	BASEMENT HATCH COVER	LV	LOW VOLTAGE	Sti	STILE
Bin	LITTER / GRIT SALT BIN	MgP	MOORING POST	Stl	STRUCTURE TOP LEVEL
Bol	BOLLARD LIGHT	Mch	MACHINE	Stm	STEAM PIPE (
Bol	BOLLARD	Mhy	MACHINERY	SP	STAND PIPE)
BP	BOUNDARY POST	MH	MANHOLE	SPs	STAY POST
BS	BUS STOP	Mkr	MARKER POST	SW	STAY WIRE
BTIC	BRITISH TELECOM CHAMBER	MkE	MARKER POST (ELECTRIC)	SV	STOP VALVE
CAT	CABLE TV	MkG	MARKER POST (GAS)	SW	SOIL WASTE PIPE
CATV	CABLE TV COVER	MkR	MARKER POST (RAILWAY)	TBM	TEMPORARY BENCH MARK
CB	CONTROL BOX	MkT	MARKER POST (TELECOM)	TCB	TELEPHONE CALL BOX
CBH	CONVEYOR BELT	MkW	MARKER POST (WATER)	TCL	TELECOM CHAMBER COVER
CC	COAL CHUTE	MP	MILE POST	TFR	TAKEN FROM RECORDS
Ch	CHAINAGE	MP	MOTOR POST	TL	TRAFFIC LEVEL
ChL	CHANNEL LEVEL	NL	NOT LOCATED	TL	TRAFFIC LIGHT
Chy	CHIMNEY	NP	NAME PLATE	TP	TELEGRAPH POLE
CI	CAST IRON	OSA	OUTSIDE SURVEY AREA	Tpl	TRIAL PIT
CL	COVER LEVEL	OSBM	O.S BENCH MARK	Tr	TROUGH
CP	CABLE POST	OHC	OVER HEAD CABLE	UF	UNABLE TO FIND
CP	CABLE PIT	OHCu	O/H CABLE (UNIDENTIFIED)	UTDA	UNABLE TO GAIN ACCESS
CpL	COPING LEVEL	OHE	OVERHEAD CABLE (ELECTRIC)	UTL	UNABLE TO LIFT
Cpan	CAPSTAN	OHG	OVERHEAD GANTRY	UTR	UNABLE TO ROD
Cpst	CAMERA POST	OHP	OVERHEAD PIPE	UTS	UNABLE TO SURVEY
CR	CONTROL ROOM	OHT	OVERHEAD CABLE (TELECOM)	VC	VITREOUS CLAY
CrL	CROWN LEVEL	OP	OUTLET PIPE	VC	VITREOUS CLAY
CulP	CULVERT PIPE	P	POST	VP	VENT PIPE
CWM	CABLE WINDING MACHINERY	PB	PARK BENCH	VR	VAPOUR RECOVERY
D	DAMPER	PB	POST BOX	VS	VENTILATION SHAFT
Dia	DIAMETER	PCrg	PEDESTRIAN CROSSING	W	WATER / GAS VALVE WHEEL
DS	DIRECTION SIGN	PE	POLYETHALINE	WB	WEIGHBRIDGE
EIC	ELECTRIC INSPECTION COVER	PF	PITCH FIBER	WL	WATER LEVEL
EOT	END OF TRACE	Pi	PILLAR	WM	WATER METER
EQM	EQUIP. OF ACCESS	Pir	MOVEMENT DETECTOR	WO	WASH OUT VALVE
EOT	END OF TRACE	PmD	PLANT MOTOR DRIVE	WP	WATER
EP	ELECTRICITY POLE	PP	PETROL / DIESEL PUMP	Wrl	WEIR LEVEL
ER	EARTH ROD	PR	PIPE RISER	WPl	WEIR PLATE (TOP)
ESM	ELECTRICITY SHOWER	PR	PARKING DECK	WWP	WASTE WATER PIPE
ESP	ELECTRICITY SUPPLY POINT	Pu	PUMP		
Esw	ELECTRICAL SWITCH	PV	PIPE (VERTICAL)	FENCE TYPES:	
FB	FOOTBRIDGE	PVC	POLYVINYL CHLORIDE	AMF	ARMCO
Fhr	FIRE HYDRANT	PJ	PYLON	BWF	BARBED WIRE
FL	FLOOR LEVEL	Q	QUADRANT	CBF	CONCRETE BOARDED
FS	FLAG STAFF / POLE	RE	RIDGING EYE	CIF	CORRUGATED IRON
G	GULLY	RG	RAIN GAUGE	CLF	CHAIN LINK
Gr	GRITH	RWP	RESERVOIR MONITORING PNT	CPF	CHESTNUT PALING
GIP	GAS INLET PIPE	RP	REFLECTOR POST	IRF	IRON RAILING
GLL	GAS LEAK LEVEL	RP	RODDING POINT	PAF	PALISADE FENCE
GPR	TRACED BY G.P.R	RSP	RAILWAY SIGNAL POST	PCF	POST & CHAIN
GrI	GRILLE	RWP	RAIN WATER PIPE	PIF	POST & IRON RAIL
GV	GAS VALVE	S	SPREAD	PRF	POST & RAIL
Hgt	HEIGHT	SA	SURVEY ABANDONED	PWF	POST & WIRE
HL	HEAD LEVEL	SBX	SIGN GANTRY	SPF	STEEL PALLISADE
HV	HIGH VOLTAGE	SH	SHELTER (BUS / TRAM)	WMF	WIRE MESH
IC	INSPECTION CHAMBER	SI	SPUN IRON		
IL	INVERT LEVEL	SL	SOFFIT LEVEL		
IP	INLET PIPE	SlL	SLT LEVEL (TOP)		
JN	JUNCTION	SMP	SETTLEMENT MONITORING PNT		

KEY

TV	CCTV / CABLE TELEVISION
450	COMBINED DRAINAGE
COM	COMMUNICATIONS CABLE
A	COMPRESSED AIR
	DUCTING
E	EARTH CABLE
	ELECTRIC CABLE
EOT	END OF TRACE
150	FOUL DRAINAGE
F	FUEL PIPE
	GAS PIPE
G	GAUGE LINE
H	HEATING
O	OFFSET FILL PIPE
	PUMPING MAIN
	RADAR AREA ANOMALY
R	RADAR UTILITY TRACE
300	SURFACE DRAINAGE
	SURVEY BOUNDARY
T	TELECOM CABLE
TL	TRAFFIC LIGHTS
U	UNIDENTIFIED
VR	VAPOUR RECOVERY
V	VENT PIPE
	WATER PIPE
	O.S BENCH MARK
	SURVEY CONTROL STATION

North:

Grid: By others

Levelling:

Drawing Title:

Underground Utility Survey

Site Address:

153 Drummond Street

Client:

SGA Consulting Ltd

Surveyor	AP	Drawn By	CP	Verified By	SC	Date	05.05.17

CM No: CMU/????	Rev:
Scale: 1:50m @ A1	Date: May 2017

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