



UTILITY SURVEY NOTES

No gas or CATV records provided by the client.
Possible gas main in footpath-UTT

Electromagnetic and/or Ground Penetrating Radar techniques have been used to map underground utilities and features on this site. Matrix Surveys Ltd. has made every endeavor to ensure that the information contained within this drawing is accurate and of the highest quality. However, results from these types of surveys are not infallible. The location and depth of services/features be of particular importance to the project, then it is strongly advised that excavations should be undertaken to confirm survey results. Matrix Surveys Ltd. does not use any records or drawings that are made available to us by the client or by the utility providers at the time of the survey. Any inaccuracies in the historical record information is often incomplete and inaccurate and cannot be relied upon.

Where a depth of information of underground services/features is stated. Depths are generally within +/- 10% accuracy but cannot be guaranteed. Any depths shown are usually to the top of a service/feature. Gravity sewers and drains are usually to invert (base of drainage channel) unless otherwise stated.

At Matrix Surveys 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 we cannot be held responsible for any inaccuracies beyond those that could be reasonably expected by a competent company.

ABBREVIATIONS (Land & Utilities)

AA ASSUMED ROUTE	KO KERB OUTLET	SP SIGNAL LIGHT
AB AIR VALVE	LD LIFEBOAT	SS SIGN POST
BB BELLIHA BEACON	LV LOCK GATE	STN STREET LIGHT
BH BORE HOLE	LP LAMP	SRW STONE RETAINING WALL
BL BASEMENT LIGHT	LV LAMP HOLE	SRV STONE RETAINING WALL
BO BOLLARD	LV LOW VOLTAGE	STW STAMP (TREE)
BR BRICK PAVING	LV LOW VOLTAGE	STW STAMP (TREE)
BRW BRICK RETAINING WALL	LV LOW VOLTAGE	STW STAMP (TREE)
BS BUS STOP	LV LOW VOLTAGE	STW STAMP (TREE)
BSH BUS SHELTER	LV LOW VOLTAGE	STW STAMP (TREE)
BT BT INSPECTION COVER	LV LOW VOLTAGE	STW STAMP (TREE)
BW BRICK WALL	LV LOW VOLTAGE	STW STAMP (TREE)
CB CONTROL BOX	LV LOW VOLTAGE	STW STAMP (TREE)
CCTV CLOSED CIRCUIT TELEVISION	LV LOW VOLTAGE	STW STAMP (TREE)
CL COVER LEVEL	LV LOW VOLTAGE	STW STAMP (TREE)
CO COLUMN	LV LOW VOLTAGE	STW STAMP (TREE)
Conc Concrete	LV LOW VOLTAGE	STW STAMP (TREE)
CPS CONCRETE PAVING SLABS	LV LOW VOLTAGE	STW STAMP (TREE)
CS Cobblestones	LV LOW VOLTAGE	STW STAMP (TREE)
CT Cable TV Inspection Cover	LV LOW VOLTAGE	STW STAMP (TREE)
CW Concrete Wall	LV LOW VOLTAGE	STW STAMP (TREE)
DC DRAINAGE CHANNEL	LV LOW VOLTAGE	STW STAMP (TREE)
DK Drop Kerb	LV LOW VOLTAGE	STW STAMP (TREE)
DP Down Pipe	LV LOW VOLTAGE	STW STAMP (TREE)
EJB Electric Junction Box	LV LOW VOLTAGE	STW STAMP (TREE)
EP Electricity Pole	LV LOW VOLTAGE	STW STAMP (TREE)
ES Earthing Rod	LV LOW VOLTAGE	STW STAMP (TREE)
FB Flower Bed	LV LOW VOLTAGE	STW STAMP (TREE)
FFL Finished Floor Level	LV LOW VOLTAGE	STW STAMP (TREE)
FH Fire Hydrant	LV LOW VOLTAGE	STW STAMP (TREE)
FL Flood Light	LV LOW VOLTAGE	STW STAMP (TREE)
FP Fuel Pump	LV LOW VOLTAGE	STW STAMP (TREE)
FWMH Foul Water Manhole	LV LOW VOLTAGE	STW STAMP (TREE)
GA Gate	LV LOW VOLTAGE	STW STAMP (TREE)
GM Gas Meter	LV LOW VOLTAGE	STW STAMP (TREE)
GU Gully	LV LOW VOLTAGE	STW STAMP (TREE)
GV Gas Valve	LV LOW VOLTAGE	STW STAMP (TREE)
H Height (Metres)	LV LOW VOLTAGE	STW STAMP (TREE)
IL Illuminated Bollard	LV LOW VOLTAGE	STW STAMP (TREE)
IC Inspection Cover	LV LOW VOLTAGE	STW STAMP (TREE)
IN Invert Level	LV LOW VOLTAGE	STW STAMP (TREE)
H/R Hand Rail	LV LOW VOLTAGE	STW STAMP (TREE)
I/R Iron Rolling	LV LOW VOLTAGE	STW STAMP (TREE)
O/B Open Boarded	LV LOW VOLTAGE	STW STAMP (TREE)
P/S Palisade Security	LV LOW VOLTAGE	STW STAMP (TREE)
P/R Post and Rail	LV LOW VOLTAGE	STW STAMP (TREE)
P/W Post and Wire	LV LOW VOLTAGE	STW STAMP (TREE)

KEY

	CCTV / CABLE TELEVISION
	COMBINED DRAINAGE
	COMMUNICATIONS CABLE
	COMPRESSED AIR
	DUCTING
	EARTH CABLE
	ELECTRIC CABLE
	END OF TRACE
	FOUL DRAINAGE
	FUEL PIPE
	GAS PIPE
	GAUGE LINE
	HEATING
	OFFSET FILL PIPE
	PUMPING MAIN
	RADAR AREA ANOMALY
	RADAR UTILITY TRACE
	SURFACE DRAINAGE
	SURVEY BOUNDARY
	TELECOM CABLE
	TRAFFIC LIGHTS
	UNIDENTIFIED
	VAPOUR RECOVERY
	VENT PIPE
	WATER PIPE

Legend

	Survey Station
	Tree / Species
	Banking
	50.0m Tree / Species
	0.6m Girth (Trunk Diameter)
	5m Spread (Canopy Radius)
	8m Height (Metres)

Coordinate Table

Station	Eastings	Northings	Level	Description
S1	500.000	1000.000	46.576	Peg
S2	521.053	995.622	47.865	Peg
S3	523.370	972.488	47.706	Nail
S4	485.556	976.018	45.872	Nail
S5	474.109	986.711	45.285	Nail
SA	524.883	950.405	46.599	Nail
SB	472.040	951.647	44.787	Nail

Note

This survey data has been prepared for the client detailed below to an agreed specification. Unless otherwise agreed in writing the liability of Matrix Surveys Ltd is limited to the client or his appointed agent, and does not extend to use beyond the limitations of the specification.

Grid: Survey is based on an arbitrary grid.
Level datum: Ordnance Datum Newlyn (ODN).
OSBM located on NW angle, W Face of Grange United Reformed Church.
OSBM Value: 44.75m.
All levels on kerb lines are channel levels unless noted otherwise.
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Abbreviations (Where Applicable)

ACU	Air Conditioning Unit	KO	Kerb Outlet
AR	Assumed Route	LB	Litter Bin
BB	Bellaha Beacon	LP	Lamp Post
BH	Bore Hole	MB	Multibole tree
BL	Basement Light	MC	Mercury Inspection Cover
BO	Bollard	MH	Manhole
BR	Brick Paving	MK	Marker Post
BRW	Brick Retaining Wall	NB	Notice Board
BS	Bus Stop	NFI	No Further Information
BSH	Bus Shelter	NP	Street Name Plate
BT	BT Inspection Cover	OW	Overhead Wire
BW	Brick Wall	OSBM	Ordnance Survey Bench Mark
CB	Control Box	PB	Post Box
CCTV	Closed Circuit Television	PL	Plinth
CL	Cover Level	PM	Parking Meter
CO	Column	PO	Post
Conc	Concrete	PS	Paving Slab
CPS	Concrete Paving Slabs	RE	Rodding Eye
CS	Cobblestones	RS	Road Sign
CT	Cable TV Inspection Cover	RW	Retaining Wall
CW	Concrete Wall	SC	Street Cook
DC	Drainage Channel	SRW	Stone Retaining Wall
DK	Drop Kerb	SV	Stop Valve
DP	Down Pipe	SVP	Soil Vent Pipe
EJB	Electric Junction Box	SW	Stone Wall
EP	Electricity Pole	SWM	Surface Water Manhole
ES	Earthing Rod	TCSB	Telephone Call Box
FB	Flower Bed	TH	Threshold Level
FFL	Finished Floor Level	TK	Top of Kerb level
FH	Fire Hydrant	TL	Traffic Light
FL	Flood Light	TW	Top of Wall
FP	Fuel Pump	TP	Telegraph Pole
FWMH	Foul Water Manhole	TPS	Tactile Paving Slabs
GA	Gate	UTL	Unable To Lift
GM	Gas Meter	UTL	Unable To Trace
GU	Gully	VP	Vent Pipe
GV	Gas Valve	WL	Water Level
H	Height (Metres)	WM	Water Meter
IL	Illuminated Bollard	WO	Washout
IC	Inspection Cover	WP	Waste Pipe
IN	Invert Level	WP	Water Valve

Fence Types

B/W	Barbed Wire	H/R	Hand Rail
C/B	Close Boarded	I/R	Iron Rolling
C/O	Corrugated Iron	O/B	Open Boarded
C/L	Chain Link	P/S	Palisade Security
C/LS	Chain Link Security	P/R	Post and Rail
C/P	Chain Link Paving	P/W	Post and Wire

Surveyed by

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