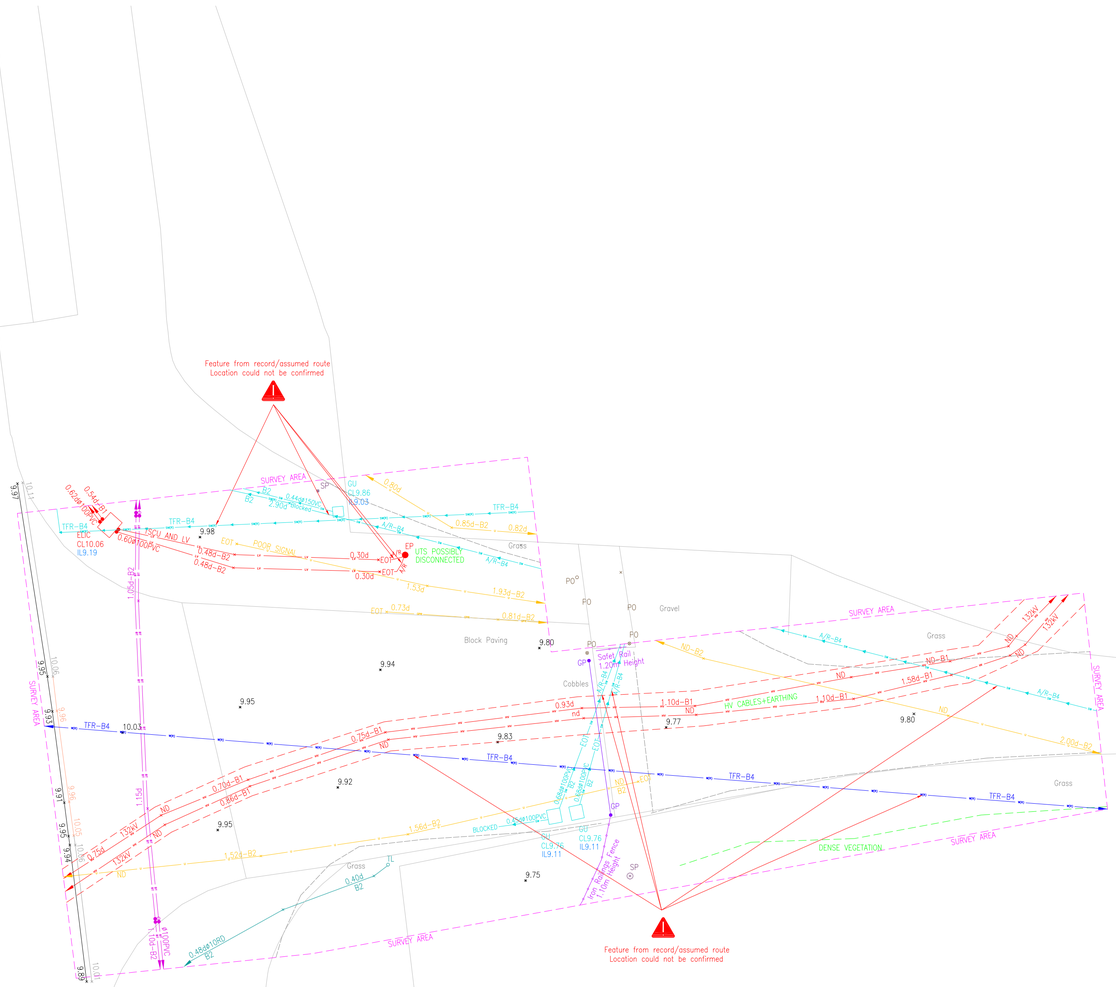
ALWAYS CONSULT UTILITY PLANS



LEGEND

ABBREVIATIONS

Air Conditioning	AC	Marker Post	Mkr
Attached to Fence	ATF	Metal Post	MP
Attached to Wall	ATW	Mirror	MR
Air Valve	AV	Mile Stone	MS
Assumed Route	A/R	Metal Support	MT
Blocked	BL	Monitoring Well	MW
Belisha Beacon	BA	Notice Board	NB
Bore Hole	BH	Name Plate	NP
Bench Mark	BM	Not Located	N/L
Bollard	BO	Depth Unobtainable	N/D
Bus Stop	BS	No Visible Outgoing	NVO
BT Inspection Cover	BTIC	Oil Inspection Cover	OUIC
Box	BX	Oil Meter	OMr
Buzzer	BZ	Pot End	P/E
Back Drop	B/D	Peg	PG
CATV Inspection Cover	CAIC	Parking Meter	PMr
CCTV Post	CCTV	Pipes not Visible	PNV
Cap End	C/E	Post	PO
Control Pillar	CP	Power Pole	PP
Control Pannel	CPI	Pipe Riser	PR
Cathodic Protect. Point	CPP	Pump	PU
Concrete Paved Slabs	CPS	Piezometer	PZ
Cable Riser	CR	Rubish Bin	RB
Concrete Support	CS	Rodding Eye	RE
Concrete Post	CT	Redundant	Rnt
Cooling Main Inspection Cover	CZIC	Road Sign	RS
Dead Tree	DD	Switch Box	SBx
Disconnected Utility	Disc	Stop Cock	SC
Down Pipe	DP	Seat	SE
Empty Duct Inspection Cover	EDIC	Switch	SI
Earth Inspection Cover	EIC	Socket	SO
Elec Inspection Cover	ELIC	Sign Post	SP
Electric Service	E/S	Surge Arrestor	SR
End of Trace	EOT	Septic Tank	ST
Electric Pole	EP	Support	SU
Earth Pole	EP	Sluice Valve	SV
Earth Rod	ER	Surface Water Inspection Cover: SWIC	
Fire Alarm	FA	Stay Wire	SY
Flower Bed	FB	Sock Away	S/A
Flagpole	FF	TCSU Inspection Cover	TCSUIC
Fire Hydrant	FH	Tree Bole	TD
Fuel Main Inspection Cover	FMIC	Taken from Records	TFR
Fibre Inspection Cover	FOIC	Trial Hole	TH
Feeder Pillar	FP	Tank	TK
Foul Water Inspection Cover	FSIC	Traffic Light	TL
Fruit Tree	FT	Tree Stump	TM
Fuel Pump	FU	Telegraph Pole	TP
Gas Inspection Cover	GIC	Transformer	TR
Gas Service	G/S	Traffic Signals Inspection Cover: TSIC	
Gas Pipe Marker	GMkr	Cable TV Termination Box	TV
Gas Meter Box	GMr	Unable to Lift	UTL
Gate Post	GP	Unable to Survey	UTS
Gas Valve	GV	Valve	V
Gully	GU	Ventilation Pipe	VP
Healing Main Inspection Cover	HMIC	Water Inspection Cover	WIC
Inspection Cover	IC	Water Service	W/S
Isolator	IS	Water Meter	WM
Kerb Inlet Gully	KG	Wash Out	WO
Letter Box	LB	Wooden Post	WP
Lamp Hole	LH	Water Valve	WV
Lamp Post	LP	Depth below surface	0.50d
Metal Column	MC	Diameter of Pipe	Ø500
Manhole	MH		

Name
Eastings
Northings
Elevation
Survey Station

Banking — Top / Bottom

Hedge

Trees — Spread Shown to scale
0.20 8.0 10.0 Trunk/Size
Tree Height Approximate

Bush — Spread Shown to scale

Gate
Fence
Wall
Building
Open Sided Building

Overhead Elec, LV, SL
Overhead HV Cable
Overhead EHV Cable
Overhead BT Cable
Overhead Fibre
Overhead Line
Overhead Pipe
Railway line

PIPE MATERIALS:

Asbestos Cement	AC
Brick	BK
Cast Iron	CI
Concrete	CO
Ductile Iron	DI
High Density PE	HDPE
Medium Density PE	MDPE
Polyethylene	PE
Polypropylene	PP
Polyvinyl Chlorine	PVC
PVC Ultra Rib	PVCU
Spun Iron	SI
Steel	ST
Vitrified Clay	VC

FENCES:

Barbed Wire Fence	Bwf
Closed Boarded Fence	Cbf
Chain Link Fence	Clf
Chestnut Paling Fence	Cpf
Chicken Wire Fence	Cwf
Handrail Fence	Hrf
Iron Railings Fence	Irf
Interwoven Fence	Iwf
Larch Lap Fence	Llf
Perimeter Fence	Pmf
Post & Rail Fence	Prf
Post & Wire Fence	Pwf
Temporary Fence	Tpf
Trellis	Trs

WALLS:

Brick Wall	Bkw
Concrete Wall	Cow
Retaining Wall	Rtw
Stone Wall	Stw

Utility
Utility from Records
Band of Utility

LEVELS:

BL5.65	Bed Level
BNL5.65	Bending Level
CL5.65	Cover Level
COL5.65	Coping Level
FL5.65	Floor Level
IL5.65	Invert Level
RFL5.65	Roof Level
SOFFL5.65	Soffit Level
SL65	Spot Level
WL5.65	Water Level

TYPES OF UTILITY SERVICES:

	Chamber
BT	BT Cable
CCTV	CCTV Cable
CM	Cooling Main
COMMS	Communication Cables
E	Earth
ED	Empty Duct
EHV	Extra High Voltage Cable
EL	Elec Unknown
FM	Fire Main
FU	Fuel Main
F/O	Fibre
G	Low Pressure Gas Pipe
G(HP)	High Pressure Gas Pipe
G(IP)	Intermediate Pressure Gas Pipe
G(MP)	Medium Pressure Gas Pipe
GPR	Service found by GPR
HV	High Voltage Cable
HM	Healing Main
LV	Low Voltage Cable
OI	Oil Pipe
SL	Street Light
TCSU	Traffic Sensor
TS	Traffic Signals
TV	Cable TV Cables
U	Unknown Service
UP	Underground Pipe
W	Water Pipe
+	Proposed Drill Route
	Combined Drainage
	Foul Water Drainage
	Surface Water Drainage

1. Depths derived via EML are taken to the centre of the conductor (cable, metallic pipe) and those derived via GPR are usually to the crown of the utility unless otherwise indicated. Where drainage levels are taken from the invert of the pipe from above ground level unless confined space is requested on the survey.

2. GPR techniques has been used in the detection of non-metallic utilities as outlined in Table 2 of PAS 128:2014. The interpretation of these results is not infallible and success will depend on a number of factors including soil type, ground water levels and surface conditions.

3. Fibre optic cables are often difficult to detect due to lack of metallic content and access to chambers can be locked and thereby made inaccessible by the utility provider. All reasonable efforts have been made to locate these ducts using tracing rods and GPR.

4. All cable and pipes shown on records not located have been transposed from records and shown as AR / TFR.

QUALITY LEVEL OF SURVEY OUTPUTS:

As laid out in Section 5 of PAS 128:2014 Specification For: Underground Utility Detection Verification and Location

D - Desktop utility records search
C - Site reconnaissance

B - Detection:
B4 - Horizontal and Vertical accuracy undefined
B3 - Horizontal accuracy +/-500mm, Vertical accuracy undefined
B3P -Postprocessing = Horizontal +/-500mm, Vertical accuracy undefined
B2 - Horizontal accuracy +/-250mm, Vertical +/-40% of detected depth
B2P-Postprocessing=Horizontal+/-250mm,Vertical+/-40% of detected depth
B1- Horizontal +/-150mm, Vertical +/-15% of detected depth
B1P-Postprocessing=Horizontal+/-150mm,Vertical+/-15% of detected depth

A - Verification - Horizontal +/-50mm, Vertical +/-25mm

DESKTOP UTILITY RECORDS DETAILS:

Type of Utility:	Provider Details:	Date:
Gas	ex. National Grid	xx/xx/2019
Water	xx	xx/xx/2019
Electricity	xx	xx/xx/2019
Drainage	xx	xx/xx/2019
British Telecom	xx	xx/xx/2019
CATV	xx	xx/xx/2019
Communications:	xx	xx/xx/2019

Note:

Whilst every effort has been taken in the preparation of this drawing, the original land marks/apparatus configuration may have been altered since the survey/drawing was produced. The user shall make further enquiries and investigations to satisfy himself as to the accuracy of this drawing and position of the apparatus. The exact positions of the apparatus should be verified by the use of suitable detection devices and safe digging practices in accordance with HSG47, further advice on the location of apparatus should be recommended by the owner. No representation is made by Select Surveys, its agents or servants as to the accuracy, completeness, and sufficiency or otherwise of this drawing and the position of the apparatus.

All apparatus shall be treated as live unless proved otherwise by the owner. It is the users responsibility to ensure that the information on the location of apparatus is provided to all persons (either direct labour or contractors) working in proximity to the apparatus.

The Survey Grid shown on this drawing is positioned on Ordnance Survey (OSGB36) National Grid OSTN15, obtained by Multiple Network RTK GPS Observations.

All Levels are in meters and are above Ordnance Survey Newlyn Datum derived by Multiple Network RTK GPS Observations using GEOID OSGM15.

SHEET DIAGRAM

SHEET 1 OF 1

PROJECT: Belmouth

TITLE: Utility and Topographical Survey

CLIENT: Brand Access Solutions

SCALE: 1:100 @ A1	SURVEYED BY: JA	
DRAWN BY: MG	SURVEY CH'KD: JH	DATE 10/03/2026

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