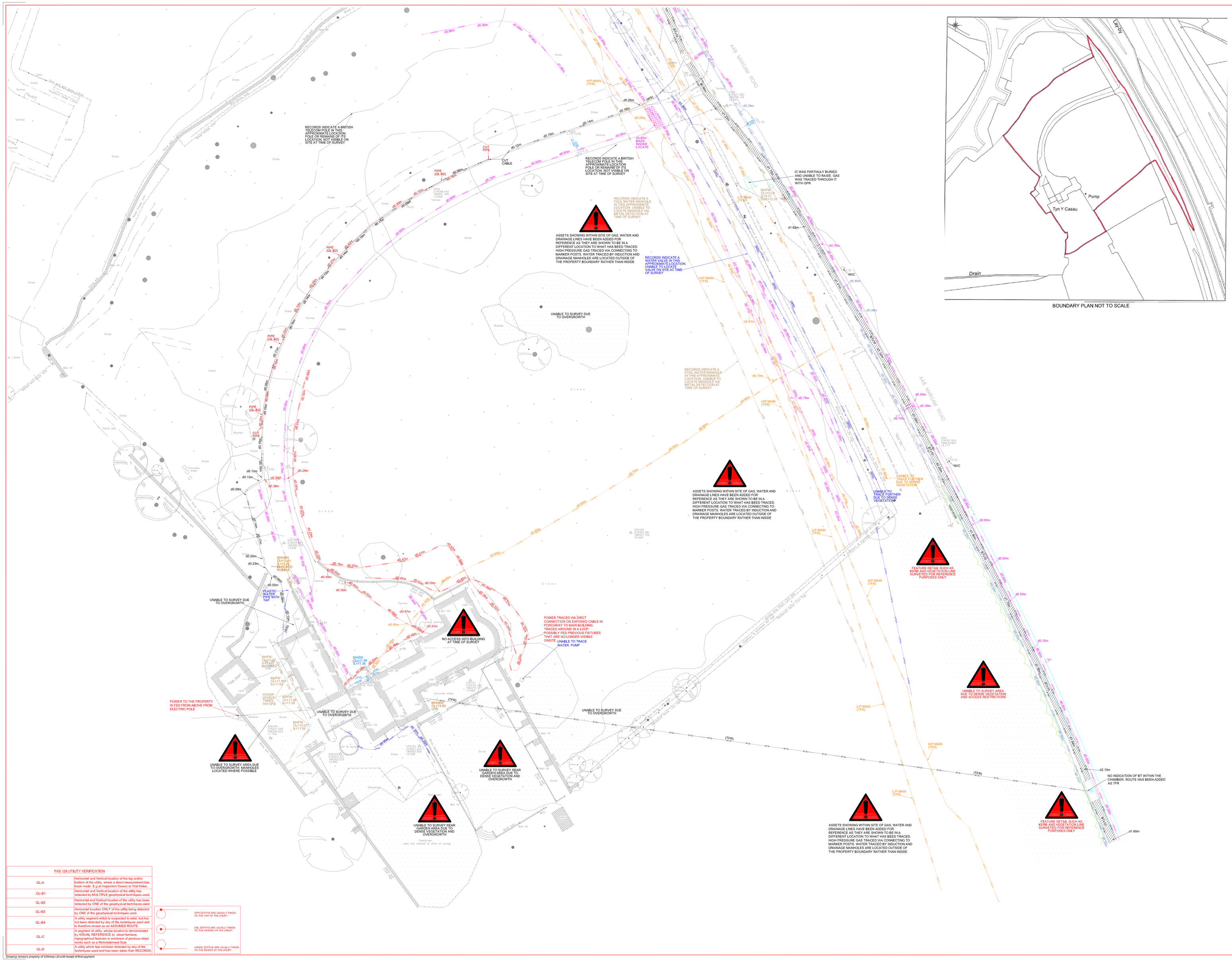

BOUNDARY PLAN NOT TO SCALE

UNDERGROUND SERVICES

1) Although every effort has been made to trace underground services using radiodetection, no guarantee can be given that all have been found. Due to their non-conductivity it may not been possible to trace certain types of plastic service pipes, eg. Gas & Water. Service trial holes must be dug prior to excavation.

2) In the absence of evidence to the contrary the routes of confirmed manhole connections are assumed to be direct and straight.

3) This survey has been carried out in accordance with the RICS specification for tracing underground utilities at scales of 1:500 & larger.

4) Underground service information should be read in conjunction with latest statutory drawings.

5) Please note that it is illegal to lift telecommunications covers in public areas. Their routes can be ascertained by contacting the relevant statutory authorities. Broken or damaged manholes were not lifted by Utilmap Limited. It is not possible to trace plastic pipes by radiodetection e.g. Gas/Water or fibre optic cables or pipes of less than 100mm in diameter. The electronic detection of pipework will apply to live metallic pipes/cables that we can induce a signal to. As an alternative GPR techniques can be employed at additional cost in attempt to locate services not detectable by radiodetection. All tracing is subject to retrieval of clear signals.

GPR REFLECTIONS

GROUND RADAR

The material surrounding and particularly above buried services can effect whether the services can be resolved using GPR. Reinforced concrete, buried metallic objects, the presence of moisture or clay and changes in the material construction can lead to poor data resolution.

As we have no information with respect to the material overlaying any services the GPR method can only give a guaranteed accuracy of 50% Depth, results using GPR are typically accurate to within 10% with a horizontal accuracy of 150mm. These figures will vary as the velocity of the ground is assumed at 80m/s. The results of the GPR survey should be treated with caution as there is no guarantee that any service shown actually exists, only a possibility that something can seen on the records.

NOTES

- THE SIZE AND LOCATION OF SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND SHOULD BE CONFIRMED ON SITE PRIOR TO ANY EXCAVATION WORKS.
- MULTIPLE CABLE LINES ARE GRAPHICAL REPRESENTATION OF OVERALL THICKNESS - DO NOT COUNT.
- ALL GIVEN DEPTHS ARE TO THE CENTRE OF THE UTILITY AND ARE RELATIVE TO GROUND LEVEL AT THE TIME OF SURVEY.
- TELECOMMUNICATION CABLES HAVE BEEN LOCATED EITHER BY PASSIVE MODES, INDUCED TRANSMITTER/RECEIVER MODES AND OR BY THE USE OF GPR.
- BT SHOULD BE CONTACTED PRIOR TO ANY WORKS IN ACCORDANCE TO BT LEGISLATION.
- EVERY EFFORT HAS BEEN MADE BY UTILIMAP LTD TO PROVIDE ACCURATE INFORMATION, THOUGH, ALL SERVICES, LEVELS AND CRITICAL DIMENSIONS SHOULD BE FIELD VERIFIED BY THE CLIENT BEFORE UNDERTAKING ANY WORKS.
- PLEASE CONTACT UTILIMAP LTD, TO CONFIRM THAT THE LATEST REVISION IS BEING USED.
- ANY QUESTIONS PLEASE CONTACT UTILIMAP LTD.

KEY

BT	BRITISH TELECOM
CTV	CABLE TELEVISION
CCT	CLOSED CIRCUIT TV
COM	DATA COMMUNICATIONS
MD	MULTI DUCT
TM	TRAFFIC MANAGEMENT
HV	HIGH VOLTAGE
PWR	POWER
GAS	GAS
HP	HEATING PIPES
OIL	OIL
WTR	WATER
FW	FOUL WATER
SW	STORM WATER
UD	UNKNOWN DRAINAGE
PM	PUMPING MAIN
GPR	RADAR LOCATE
RFL	RADIO LOCATE
UKN	UNKNOWN
	END OF TRACE
	ROD STOPPED
	UNABLE TO TRACE FURTHER
	BACK DROP
	TRAP
	SEWER CAPPED
	SURVEY ABANDONED

ABBREVIATIONS

(AR) Assumed Route	BL Base Level
BH Bore Hole	d Depth
MW Monitoring Well	NFI No Further Information
(OSA) Out of Survey Area	RWP Rain Water Pipe
SL Silt Level	SOF Soffit Level
SP Soil Pipe	(S) Sounded
SA Survey Abandoned	(TFR) Taken From Records
UTL Unable to Locate	UTR Unable to Raise
UTS Unable to Survey	(WS) Weak Signal

LEVELS

LOCAL DATUM:
GPS OS DATUM:
PREVIOUS SURVEY:
GRID:
LOCAL & ARBITRARY:
GPS OS GRID:
PREVIOUS SURVEY:

NORTH INDICATIVE ONLY

APPROX.

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- Utility Mapping Surveys
- Topographical Surveys
- Cross Section Surveys
- CCTV Drainage Surveys

Client

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THE CREATIVE QUARTER
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CARDIFF
CF10 1AF

Title

TYN-Y-CAEAU, MARGAM, PORT TALBOT
PAS128 UTILITY SURVEY (2 OF 2)

REVISION HISTORY

REV	ISSUE DATE	EXPIRY DATE	DRAWING CHANGE
R1	09.08.2024	09.08.2025	PAS128 UTILITY SURVEY.
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–

Original Scale: 1:200 @ A0
Dimension In: Levels: m Depths: m
Drawn: LG Date: AUG 2024
Checked: SW Date: AUG 2024

Drawing Number: ACAD-TYN-Y-CAEAU-MARGAM
Rev R1

UtiliMap LAP/2024

PAS 128 UTILITY VERIFICATION

QL-A	Horizontal and Vertical location of the top and/or bottom of the utility, where a direct measurement has been made. E.g at Inspection Covers or Trial Holes.
QL-B1	Horizontal and Vertical location of the utility has detected by MULTIPLE geophysical techniques used.
QL-B2	Horizontal and Vertical location of the utility has been detected by ONE of the geophysical techniques used.
QL-B3	Horizontal location ONLY of the utility being detected by ONE of the geophysical techniques used.
QL-B4	A utility segment which is suspected to exist, but has not been detected by any of the techniques used and is therefore shown as an ASSUMED ROUTE.
QL-C	A segment of utility, whose location is demonstrated by VISUAL REFERENCE to, street furniture, topographical features or evidence of previous street works such as a Reinstatement Scar.
QL-D	A utility which has not been detected by any of the techniques used and has been taken from RECORDS

GPR DEPTHS ARE USUALLY TAKEN TO THE TOP OF THE UTILITY

EML DEPTHS ARE USUALLY TAKEN TO THE CENTRE OF THE UTILITY

SONDE DEPTHS ARE USUALLY TAKEN TO THE INVERT OF THE UTILITY

Drawing remains property of Utilimap Ltd until receipt of final payment.