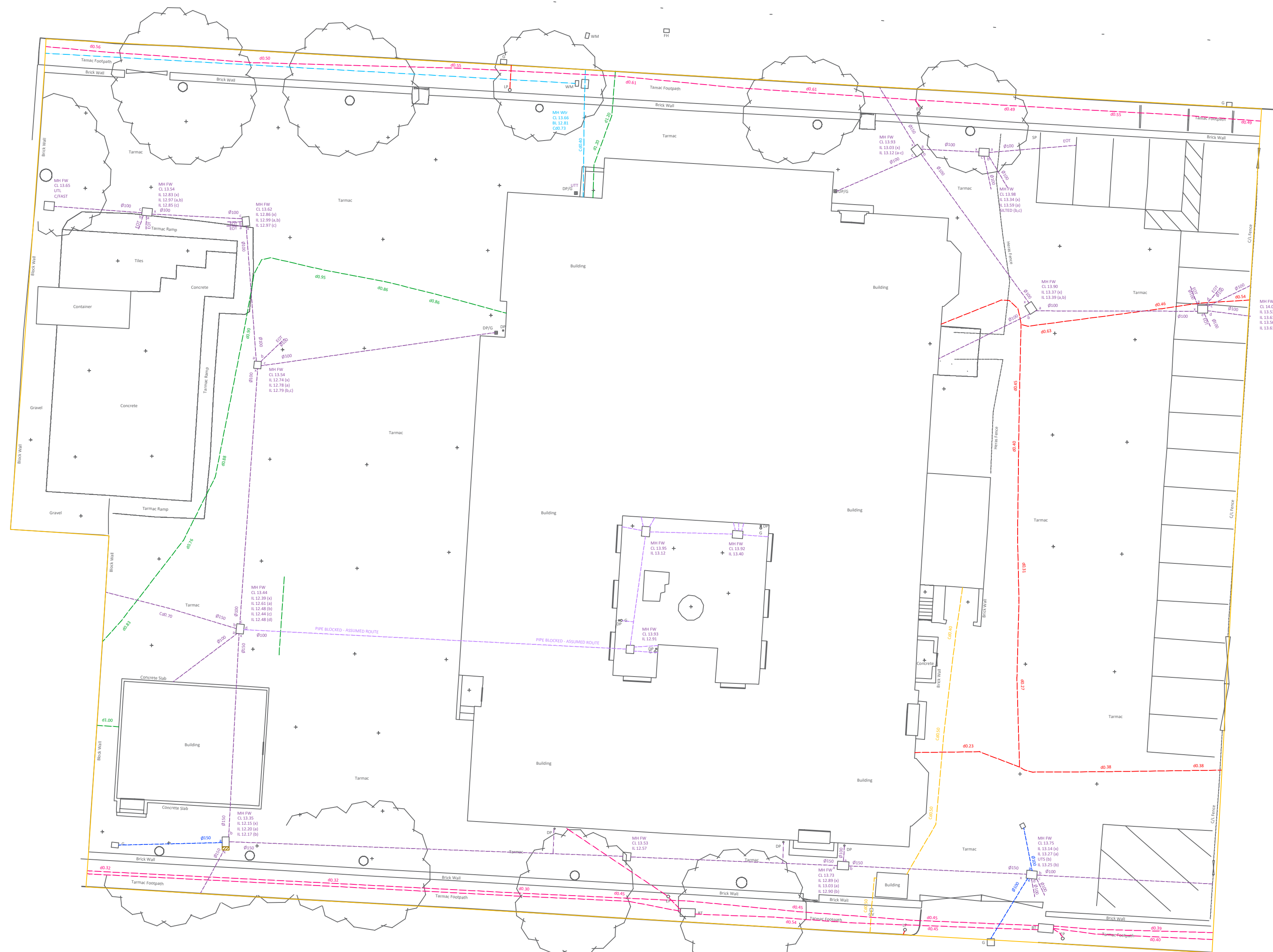
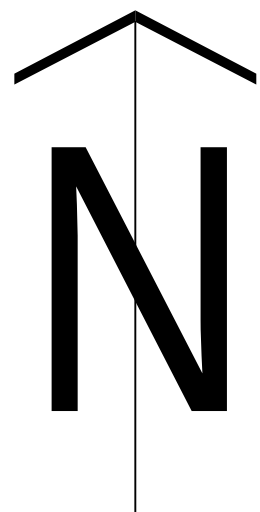




PAS:128 Utility Survey Type B

Abbreviations and Symbols

A/G - Above Ground	NDV - No Ducts Visible
(AR) - Assumed Route	NFI - No Further Information
BDROP - Back Drop	NPV - No Pipes Visible
BLKD - Blocked	NPV - No Incoming Visible
BRKN - Broken	NOV - No Outfall/Visible
BL - Bed Level	(R) - Taken from Records
BD - Bed Depth	SL - Silt Level
Cd - Depth to Crown of Pipe	Sd - Silt Depth
CrL - Crown Level	UTL - Unable to Lift
Id - Depth to Invert	UTS - Unable to Survey
IL - Invert Level	UTT - Unable to Trace
CL - Cover Level	UTC - Unable to Camera
WL - Water Level	LP - Lamp Post
WD - Water Depth	TP - Telegraph Pole
EDT - End of Trace	EP - Electric Pole
(ED) - Empty Duct	ER - Earth Rod
(GPR) - Ground Penetrating Radar	FH - Fire Hydrant
LKD - Locked	WM - Water Meter
Ø - Diameter	SV - Stop Valve
d - Depth to Locate	AV - Air Valve
IC - Inspection Cover	GV Gas Valve
SW - Surface Water Sewer	DP - Down Pipe
FW - Foul Water Sewer	RE - Rodding Eye
CO - Combined Water Sewer	G - Gully

	E	Electric Cable
	TV	Cable TV
	CCTV	CCTV Cable
	COM	Comms/Data
	F	Fuel Line
	TL	Traffic Light Cable
	G	Gas
	H	Heating Pipe
	BT	British Telecom
	W	Water
	U	Unknown Utility
	FW	Foul Water Sewer
	CO	Combined Water Sewer
	SW	Surface Water Sewer
		Rising Main
		Utility Survey Extents
		Chamber Extents

PAS 128:2022 Quality Level Guide

(QA)	HORIZONTAL AND VERTICAL POSITION VERIFIED VISUALLY (Accuracy: Horizontal (±25mm) Vertical(±50mm))
(B1)	HORIZONTAL AND VERTICAL POSITION DETECTED BY MULTIPLE METHODS (Estimated Accuracy: ±150mm OR ±15% of detected depth)
(B2)	HORIZONTAL AND VERTICAL POSITION DETECTED BY A SINGLE METHOD (Estimated Accuracy: ±250mm OR ±40% of detected depth)
(B3)	HORIZONTAL POSITION DETECTED BY A SINGLE METHOD (Estimated Accuracy: ±500mm in the Horizontal - Depth is undefined)
(B4)	A UTILITY IS EXPECTED TO EXIST BUT CANNOT BE DETECTED - (AR), (R), (VI) (Accuracy Undefined)

Desktop utility search information

- Where it has not been possible to detect the utility using EML or GPR techniques, this record information has been added to the drawing.

Disclaimer

General Notes
It is our goal to deliver the most comprehensive and accurate plan covering the survey area possible from our deployment of our non-intrusive investigations. We use the latest industry standard utility detection equipment for the provision of an underground survey. Our expertise in the field of location equipment and electromagnetism, combined with a strong technical support team means that we can help deliver the high-quality results from the most complex of sites. Nevertheless, due to the non-intrusive nature of our service, in certain circumstances our ability to propose a buried service or its depth may be limited by physical conditions or obstructions. Please refer to the relevant report accompanying this drawing in the 'Capabilities and Accuracy' section for an indication of some of the issues that can be encountered.

Vertical & Horizontal Position

Vertical position (depth) is approximate to the trace. Drains may have been detected using a tracing wire, and the depth indicated could be between the bottom and top of the pipe. Horizontal position is indicative to the centre of the utility / service, and should not be taken as exact.

Warranty

SML Geospatial Ltd is not liable for any topographical survey that has not been carried out by us. Any inaccuracies relating to background mapping, that we have no control over, are the liability of the client.
1. All dimensions are in metres unless otherwise stated.
2. All survey co-ordinates are related to OS National Grid (OSTN15) unless otherwise stated.
3. All survey levels are related to OS Newlyn Level Datum.
4. Manholes have been fitted where possible using manual methods. Invert levels and pipe sizes have been measured using surface inspection only and should be treated as indicative.

For further details with regards to the above information please contact SML Geospatial Ltd.

Revisions and Updates

Rev	Date	Notes	By

Job Title
ELRS, Reginald Street, Port Talbot,
SA13 1YY

Client
SHELBY DUGLES

Job Number
13353

Sheet Size
A1

Scale
1:200

Surveyed by
ASn

Drawn by
ASn

Checked by
ES

Date
June 25

Date
June 25

Date
June 25

SML
GEOSPATIAL

RATCLIFF
LAND SURVEYS

GEO-INFO
LAND AND REAL SURVEYS

LANDMARK
SURVEYS WALES

DRILLINE
GPR SURVEYS

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THE SURVEY
ASSOCIATION
ASSOCIATE MEMBER

ICES
Approved
Development Partner