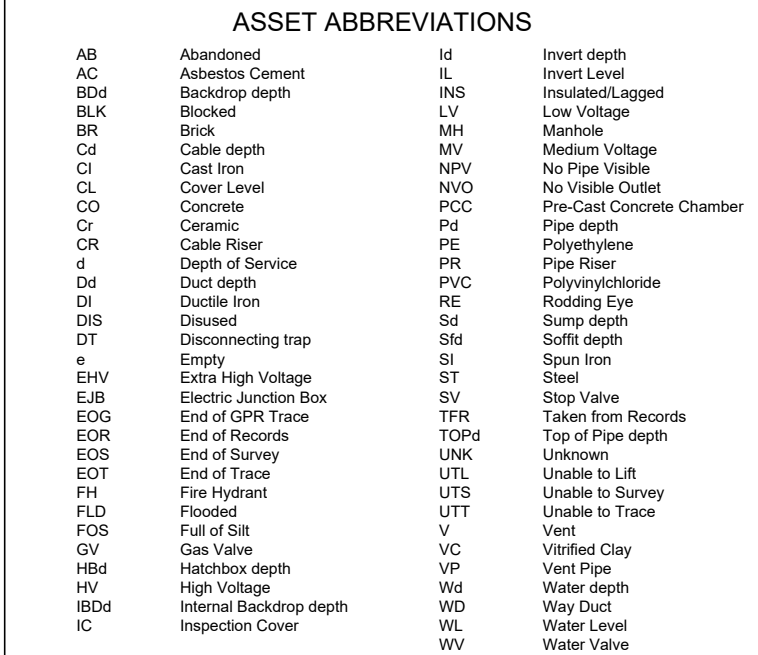




PAS 128:2022 QUALITY LEVELS

QL-D	Asset added from records
QL-C	Asset added from site reconnaissance
QL-B1	Asset shown on assumed couple
QL-B2	Serve as "BS" including GPR data post-processing
QL-B3	Serve as "BS" including GPR data by one technique only
QL-B4	Serve as "BS" including GPR data post-processing
QL-B5	Serve as "BS" including GPR data post-processing
QL-B6	Asset located horizontally and vertically by one technique only
QL-B7	Asset as "B1" including GPR data post-processing
QL-B1	Asset located horizontally and vertically by multiple techniques
QL-A	Asset located by physical verification

Where details are recorded at inspection covers such as depths, pipe sizes,

This Underground Services Survey is a PAS128:2022 compliant type B M2 survey.

The user or recipient of the survey data understands and acknowledges that the data provided may contain errors or omissions and the user or recipient assumes full responsibility for any risks or damages resulting from, arising from or in connection with any use of the captured information.

Multiple methods of detection have been used in the location and identification of underground assets. The results are not infallible due to several factors outside of Plowman Cravens' control. With any uncertainty in the provided data we strongly recommend that excavators be carried out to confirm exact position and depth. All reasonable effort has been made in searching available record drawings but the completeness of the underground asset drawings cannot be guaranteed. Drainage designation is made on site from the surface via visual inspection. Any new connections or design works must obtain the correct permissions from the local Water Authority before continuing work.

GPR anomalies located on site or from post processed data must be deemed as a live asset until proven otherwise. GPR data is not able to identify an asset, it will solely indicate that there is an anomaly. Further information is available in the supplied UGS Survey report which must be read in conjunction with this drawing.

Ground Penetrating Radar results are dependent on many influencing factors. It is notable that GPR is ineffective on assets or anomalies 50mm in diameter or less. Safe digging practices should be followed regardless of the results displayed in the final deliverable or on site. Sole responsibility lies with the contractor conducting any excavations or design work.

Unless otherwise stated drainage pipes are typically drawn at Ø100mm, other pipe at Ø100mm, Cable/Telem Ducting at Ø90mm, High Voltage Cables at Ø60mm and Low Voltage Cables at Ø60mm.

The survey grid shown on this drawing is positioned on Ordnance Survey (OS)

Depth along the length of assets represent the following: For drainage pipes, "dC.XX" represents the invert of the pipe. For cables, pipes, linear GPR features and unknown buried assets "dC.XC" represents the centre of the asset. At chamber depths are displayed as Id, Cd, Dd or Pd. Id indicates a measured invert depth, with all others being taken from the top of the asset at chamber.

Sewer sondes have been used in the location of the sewers. The results are not infallible and should be viewed in that light. It is normally expected that the optimum accuracy be $\pm 10\%$ of the depth of the traced sonde.

Plowman Craven cannot accept responsibility for its accuracy.

Due to the inherent instability of paper materials, drawings plotted on paper may be stretched and distorted - dimensions scaled from paper plots should therefore be treated with caution

This drawing has been produced for the purpose of the original commissioning agent, Plowman Craven reserve the right to share the collected data with the associated utility operator.

Plowman Craven Limited will accept no responsibility for details that are subsequently found to be the consequence of undisclosed facts or that were obscured from view at the time of survey or that have been altered since the survey.

	UT-JCK-DR-Y-00001
UT-JCK-DR-Y-00003	UT-JCK-DR-Y-00002

Stat	Rev	Details	Checked		Date
			1st	2nd	
S1	P01	Provisional. Information Purposes Only.	XXX	XXX	04/07/24
S3	P02	Second Issue - For Review & Comment	MP	AK	12/07/24

Stat	Rev	Details	Checked		Date
			1st	2nd	
S1	P01	Provisional. Information Purposes Only.	XXX	XXX	04/07/24
S3	P02	Second Issue - For Review & Comment	MP	AK	12/07/24

The survey grid shown on this drawing is positioned on Ordnance Survey (OS) National Grid.

Drainage and service diameters are quoted in millimetres all other depths and dimensions are in metres

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Dashwood House
69 Old Broad Street
London
EC2M 1QS

PROJECT TITLE

Reading Mill Lane
RG1 2HT

2D Underground Utilities Survey

PRESENTATION SCALE 1:100 @ A0

DATE OF ORIGINAL SURVEY 03/07/202

PC PROJECT No. 49099 STATUS & REVISION

S3 P02

19099 PCI LIT XY DB Y 00002

Plausibilis Quantis

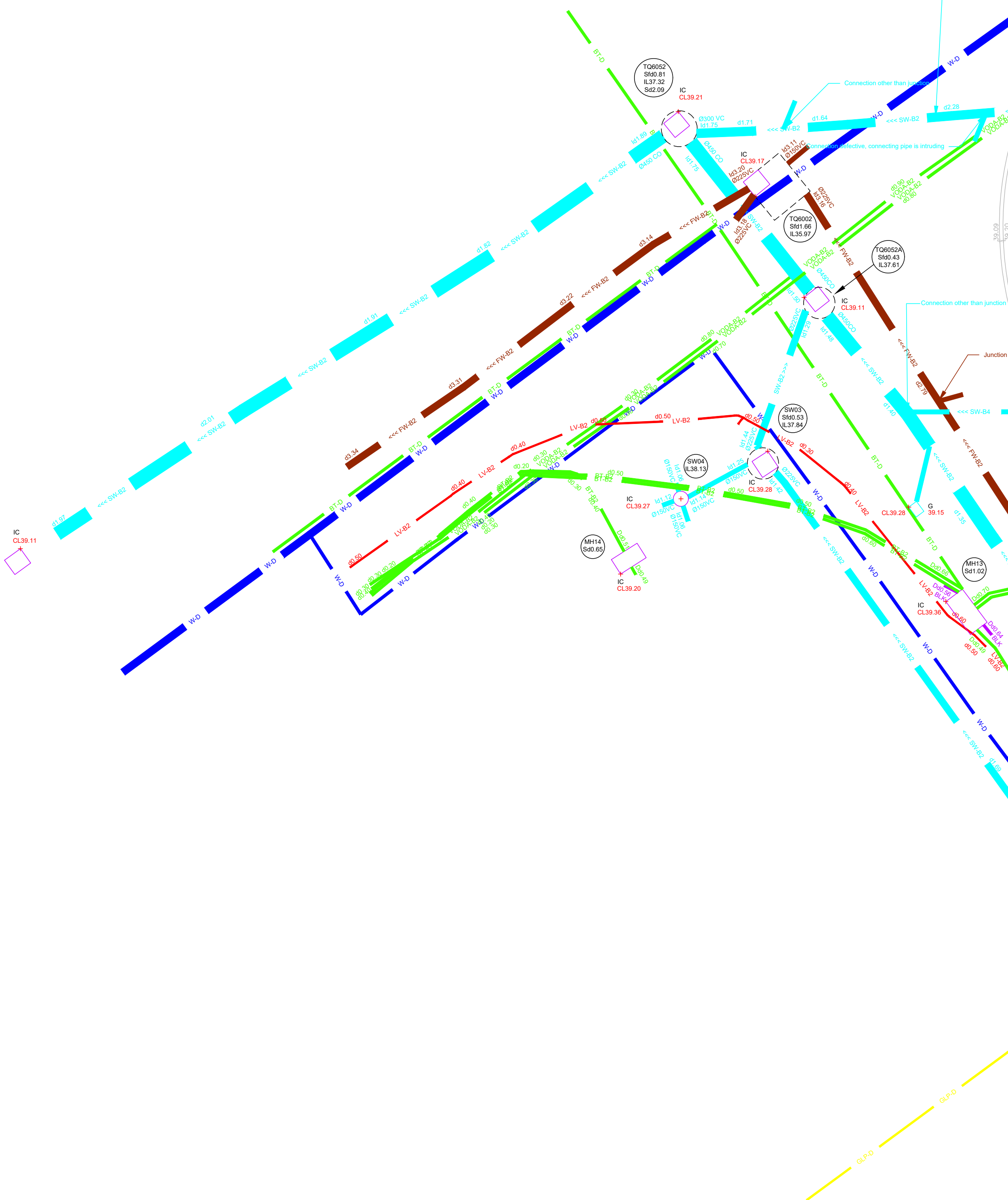
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ASSET LEGEND	
VOLTAGE UNKNOWN	EXTRA HV
STRENGTH CONTROL	HIGH VOLTAGE
TRAFIC LIGHT	LOW VOLTAGE
ITS	GAS LP
COOPED AIR	GAS IP
HOISTING	GAS MP
CONDENSATE	GAS HP
FIRE MAN	FUEL
WATER	CCV
WATER RISING MAN	ELU TWORKS
BRITISH TELECOM	INTER ROUTE
COAT ON	MECH MEDIA
LEVEL 3	VIGILANCE
VRGIN MEDIA	ZAVO TELECOM
VERSION	CATY
SPY TELECOM	NEOS
TELENT	LUMEN
GENERAL COMMS	HYDRAULICS
COMMERCE	EMPTY DUCT
FLOOD WATER	SURVEILLANCE
POUR WATER	QPR
QPR ANALY	CHAMBER
QPR	ASSUMED CHAMBER
QPR REINFORCEMENT	RESTRICTIONS

UNDERGROUND SERVICES SURVEY CASE STUDY

This Underground Services Survey is a PAS126 2022 compliant type B M2 survey.

The user or recipient of the survey data understands and acknowledges that the data provided may contain errors or omissions and the user or recipient assumes full responsibility for the use of the data for any purpose, arising from any connection with any use of the captured information.

Multiple measures of detection have been used in the location and identification of underground assets. The results are not infallible due to several factors outside of Powerman Crawler's control. With any uncertainty in the provided data we strongly encourage the user to verify the data on site using their own methods and equipment. All reasonable effort has been made in drawing available record drawings but the completeness of the underground asset drawings cannot be guaranteed. Drainage designations are not shown on the surface map. The user is responsible for ensuring all connections or design works must obtain the correct permissions from the local water authority.

GPR anomalies located on site or from post processed data must be deemed as a live asset until proven otherwise. GPR data is not able to identify an asset, it only says it indicates there is an anomaly. Further information is available in the GPR report. The user is responsible for ensuring the correct interpretation of the GPR

LINE, LEVEL AND CONDITION SURVEY CAVEATS

Traditional Line and level Surveys:

All levels are in metres and are above Ordnance Survey Newlyn Datum derived by multiple network RTK GPS observations

The survey grid shown on this drawing is positioned on Ordnance Survey (OS) National Grid, obtained by multiple network RTK GPS observations.

Depth along the length of assets represent the following: For drainage pipes, "So, X0" represents the invert of the pipe. For cables, pipes, linear GPR features and unburied assets, "So, X0" represents the centre of the asset. At chamber depths are displayed as Id, Co, Dd or Pd. Id indicates a measured invert depth, with all others being taken from the top of the asset at chamber.

Sewer sondes have been used in the location of the sewers. The results are not reliable and should be viewed with the least of regard. It is normally expected that the optimum accuracy is +/-50% of the depth of the located sonde.

Due to the inherent instability of paper materials, drawings plotted on paper may be stretched and distorted - dimensions scaled from paper plots should therefore be treated with caution

This drawing has been produced for the purpose of the original commissioning agency. Plowman Craven reserve the right to share the collected data with the associated utility operator.

Plowman Craven Limited will accept no responsibility for details that are subsequently found to be the consequence of undisclosed facts or that were obscured from view at the time of survey or that have been altered since the survey.

STATUS CODE & REVISIONS					
Stat	Rev	Details	Checked 1st	2nd	Date
S1	P01	Provisional. Information Purposes Only.	XXX	XXX	04/07/20
S3	P02	Second Issue - For Review & Comment	MP	AK	12/07/20

All levels are in metres and are above Ordnance Survey Newlyn Datum.
The survey grid shown on this drawing is positioned on Ordnance Survey (OS) National Grid.
Unless otherwise stated, levels have been taken to finished floor surface
Drainage and service diameters are quoted in millimetres all other depths and dimensions are in metres
Drawing units are metres

PROJECT TITLE

PRESENTATION SCALE 1:100 @ A0

PC PROJECT No. 49099 STATUS & REVISION

DRAWING No.
40000 DCL LIT XY DB Y 00003

Plowman Craven

