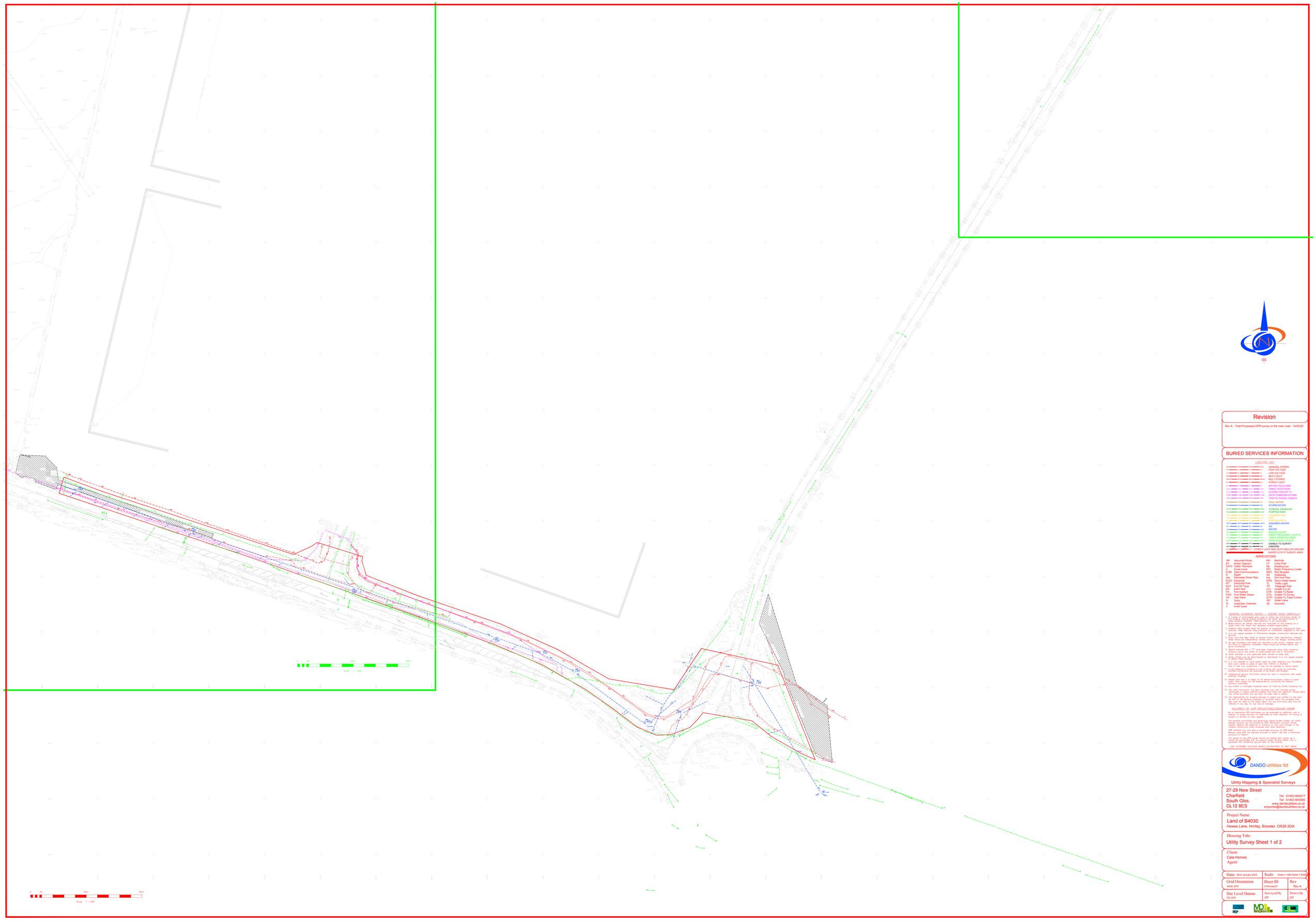

Revision

Rev A : Post Processed GPR survey or the main road - 14/03/25

BURIED SERVICES INFORMATION

LINETYPE KEY

PWR	GENERAL POWER
HV	HIGH VOLTAGE
HV	HIGH VOLTAGE
MO	MULTI OUCF
MPWR	MULTI POWER
SL	STREET LIGHT
BT	BRITISH TELECOMS
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TV
TELE	TELECOMMUNICATIONS
FOC	FIBRE OPTICAL CABLES
FW	FOUL WATER
SW	STORM WATER
DRAIN	GENERAL DRAINAGE
PUMP	PUMPING MAIN
AGAS	ASSUMED GAS
GAS	GAS
ASTEAM	ASSUMED STEAM
ASTW	ASSUMED WATER
OIL	OIL
WTR	WATER
AVOIDA	AVOIDA LOCATE
RFL	RADIO FREQUENCY LOCATE
ARCHAE	ARCHAEOLOGICAL
VRAM	VIEWAM RADAR LOCATE
UTS	UNABLE TO SURVEY
UNK	UNKOWN
ST	STREET LIGHT AND DEPTH BELOW GROUND
	BURIED UTILITY SURVEY AREA

ABBREVIATIONS

AR	Assumed Route	MH	Manhole
BT	British Telecom	LP	Lamp Post
C.V.	Control Valve	ME	Metering Kye
LV	Cover Level	RFL	Radio Frequency Locate
COM	Data Communications	RDS	Rod Stopped
DP	Down Pipe	SP	Sump Pump
Hp	Rainwater Down Pipe	SoS	Soil Vent Pipe
ELEC	Electricity	SWS	Storm Water Sewer
EP	Electricity Pole	TL	Traffic Light
EOT	End Of Trace	TP	Telegraph Pole
FH	Fire Hydrant	UTR	Unable To Radar
FR	Fire Hydrant	UTR	Unable To Radar
FWS	Foul Water Sewer	UTS	Unable To Survey
GV	Gas Valve	UTTF	Unable To Trace Further
G	Gully	WV	Water Valve
IC	Inspection Chamber		Sounded
I	Invert Level		

GENERAL DRAWING NOTES - - PLEASE READ CAREFULLY

1. Underground service information should be read in conjunction with noted statutory drawings.
2. Where electric & metallic services are illustrated on this drawing on a single utility line, these may represent multiple pipes/cables.
3. Depths/cover/ heights shown are correct at substantial underground/ over ground structures but may vary elsewhere due to undulations in the ground, or other factors.
4. It is not always possible to differentiate between construction features and utility services.
5. Every care has been taken to ensure correct utility identification. However, some services are unidentifiable and may not be shown on the drawing.
6. All pipe diameters and levels are assumed to be correct, however due to non entry to inspection chambers, these should be verified before any work is carried out.
7. Depths profiled with a 'G' mark been measured using radio frequency locators, are to the center of pipes/cables and are in millimeters. Other depths are in meters unless otherwise stated.
8. Some utilities may not be discovered or assessed. It is not always possible to detect these services.
10. It is not always possible to trace plastic pipes by radio detection e.g. Gas/Water. Trace wire cables or pipes of less than 150mm in diameter. Due to their non-conductivity it may not be possible to induce signal.
11. Information on abandoned services is not always available or confirmed during consultation with authorities or on site.
12. Underground service information should be read in conjunction with noted statutory drawings.
13. Please note that it is illegal to lift telecommunications covers in public roads. Only British Telecom or their contractors are authorised by statutory authorities.
14. Any broken or damaged manholes were not lifted by Dando Surveying Ltd.
15. Underground services have been located from surface using various techniques. It always remains possible that there are additional utilities within the survey boundary that are face not been able to detect.
16. Information on abandoned services is not always available or confirmed on site shall be held of the persons propperty is accessible within the surveyed area, who shall be liable to the owed owner and any third party who may be affected in any way for any loss or damage.

ACCURACY OF GPR REFLECTIONS/GROUND RADAR

As with all geophysical techniques, the interpretation of ground radar is dependent on several variables and accuracy is most dependent on locating is subject to removal of clear signals.

The material surrounding and particularly above buried utilities can affect whether services can be located by GPR. Reinforced concrete, buried rubble/hardcore, wet clay soils, and ferrous or metallic pipe/cable in the material construction often produces poor data resolution.

GPR methods can only give a guaranteed accuracy of 50% depth. Horizontal data is typically accurate to within 10% with a horizontal accuracy of 100mm.

The results of the GPR survey should be treated with caution as it is possible that some features may be missed or misinterpreted. Only a possibility that something can be seen on the records.

USE EXTREME CAUTION WHEN EXCAVATING IN ANY AREA.

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Project Name:
Land of B4030
Howes Lane, Himley, Bicester, OX26 2GA

Drawing Title:
Utility Survey Sheet 1 of 2

Client:
Cala Homes
Agent:

Date: 22nd January 2025	Scale: Drawn 1:400 Sheet 1 500@	
Grid Orientation North GPS	Sheet ID Orthotrac17	Rev Rev A
Site Level Datum OS GPS	Surveyed By CP	Drawn By CP