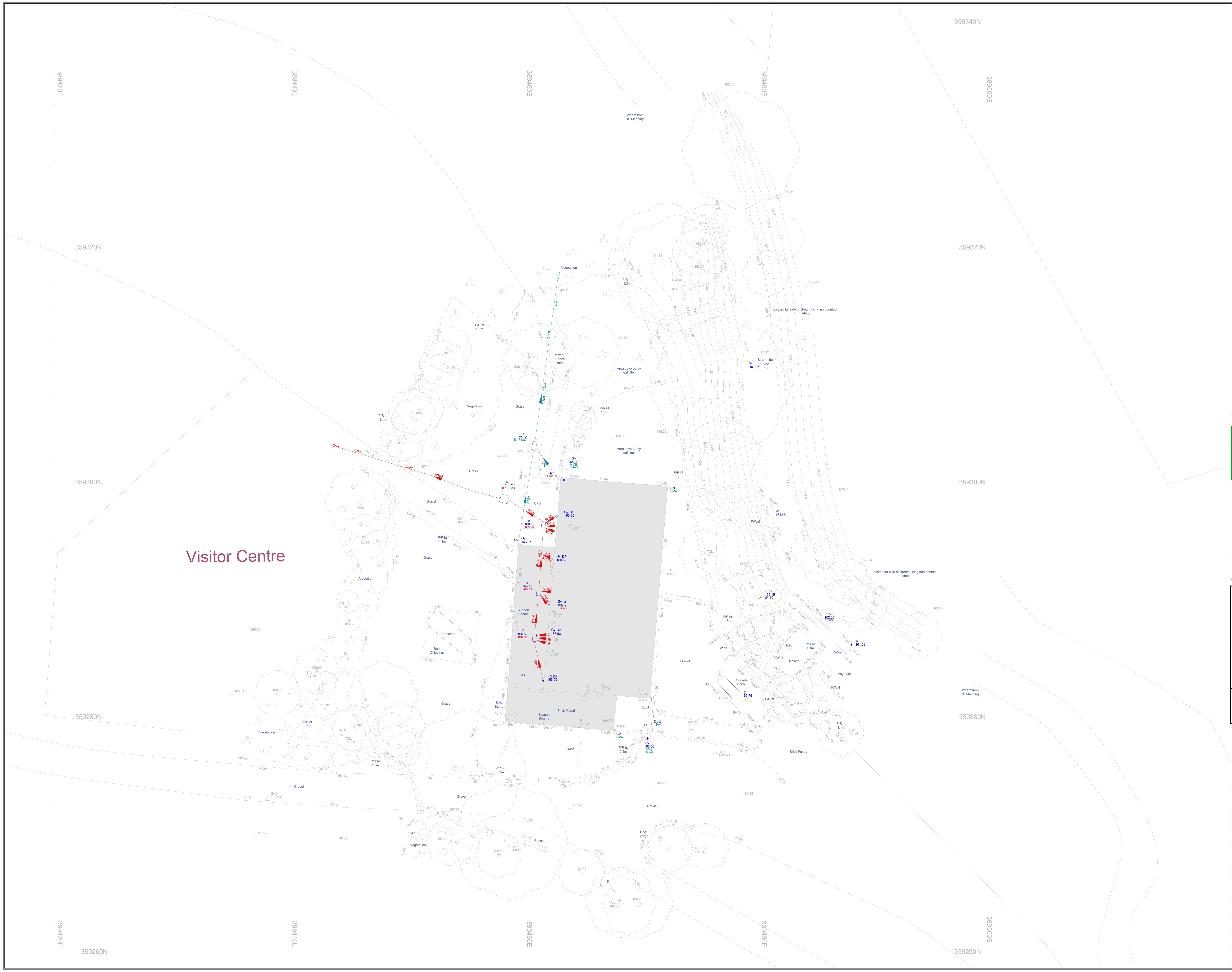
Visitor Centre
389420E
389440E
389460E
389480E
389500E
359340N
359320N
359300N
359280N
359260N
Stream from OS Mapping
Located far side of stream using non-contact method
Vegetation
Mixed Surface Track
Area covered by leaf litter
Grass
Gravel
CPS
OSA
0.60d
0.50d
1.10d
0.90d
Ø100
Ø150
IC 166.12 IL164.87
IC 166.27 IL165.33
IC 166.46 IL165.62
IC 166.58 IL165.84
IC 166.58 IL165.94
Gy 166.49 NVE Silted
Gy Pipe
DP
DP NVA
Gy DP 166.35
Gy DP 166.56
Gy DP 166.63 NVA
Gy DP 166.63
Gy DP 166.55
Gy 166.37
ACP
S/C
AR 0.4
3x Ø100
IFL 166.67
IFL 166.70
THL 166.67
THL 166.65
R: 171.40
R: 170.47
E: 170.35
E: 169.73
E: 169.08
Support Beams
Brick Paved
Bike Stand
Duct
Duct NVA
TT
Gy 166.50 NVE Silted
DP NVA
WL 161.06
Stream bed level
WL 161.43
WL 161.62
PInv 165.15 Ø110
PInv 162.05 Ø340
R/Wall
Steps
Decking
Concrete Pads
IC 166.75 UTR Seized
Bo
Post
THL 164.30
Benches
Bark Chippings
Bench
Rock Verge
P/R ht 1.1m
P/R ht 1.3m
P/R ht 0.3m
GH2 167.398
GH3 166.691
GH4 166.180
TCL: 183.98
TCL: 182.10
TCL: 180.27
TCL: 173.49
TCL: 179.98
TCL: 181.08
TCL: 180.21
TCL: 184.00
TCL: 183.67
TCL: 179.74
TCL: 180.93
TCL: 173.50
TCL: 177.18
TCL: 173.54
Sap
Sp
Tp

N

NOTES;

In all cases please call the BT Dial before you dig service to mark their own plant before any site works commence
0800 917 3993
Always consult utility plans

1. *Drainage Information provided has been determined without man entry into the chambers. Whilst every effort has been made to correctly identify the duty/pipes/chamber detail, it is recommended that this information should be checked in areas that are critical to the future proposal/development.*
2. *All sewer runs are presumed to be straight line connections between chambers unless proven otherwise by the use of a sonde or CCTV survey.*
3. *All desktop information should be treated as historical as the buried assets present might have changed since the drawing/record was last updated.*

UTILITY LINETYPES

Air Line	AIR	Electric Low Voltage	LV
British Telecom	BT	Electric High Voltage	HV
British Telecom Overhead	O/H	Electric - Unknown Voltage	E
CCTV / Cable Television	TV	Electric Overhead	O/H
Communication Cable	COM	Fibre Optic	FO
Drainage - Combined Water	Ø150	Fuel Line	FL
Drainage - Foul Water	Ø150	Gas Line	GAS
Drainage - Storm Water	Ø150	Gauge Line	GL
Drainage - Unknown Water	Ø150	GPR Line	GPR
Drainage - Trade Effluent Water	Ø150	Heating Pipes	HTG
Drainage - Combined Water - Assumed/TFR	Ø150	Offset Fills	OF
Drainage - Foul Water - Assumed/TFR	Ø150	Oil Pipe	OIL
Drainage - Storm Water - Assumed/TFR	Ø150	Rising Main	>>
Drainage - Unknown Water - Assumed/TFR	Ø150	Telecom	TEL
Drainage - Trade Effluent Water - Assumed/TFR	Ø150	Traffic Light Signals	TL
Drainage - Approximate Pipe Size/Extents		Trench Scar	
Earth Cable	ETH	Unknown	UKN
Empty Duct	ED	Vapour Recovery	VR
Electric & Comms	E&C	Vent Line	VP
		Water	WTR

UTILITY SURVEY INFORMATION

Contracted Survey Area		Assumed Route	AR
Depth to Top of Service (m)	0.40d	Assumed Connection	ACP
End of Trace / Record	EOT	Sound Connection	S/C
Head of Run	HoR	Sonde Stopped	S/S
Weak Signal	WS	No Visible Access	NVA
Taken From Records	TFR	No Visible Exit	NVE
Off Survey Area	OSA	No Visible Pipes	NVP
Back Drop	BD	No Visible Services	NVS
Silt Level	SL	No Depth Indicated	NDI
Flow Level	FL	Base Level	BL
Above Ground	A/G	High Level	HL
Unable to Locate	UTL	Top of Pipe / Top of Valve	T.o.P / T.o.V
Unable to Survey	UTS	Landing Level	LL
Unable to Raise (cover)	UTR	Rubble Level	RL
Unable to Trace	UTT	No Signal	N/S
		Heavily Silted	H/S
		Approximate Location	
Unable to Survey	▨	GPR Anomaly	▨
Chamber Extents	▨	Multiple Services Route	▨

LEGEND

Buildings
Wall
Kerb line
Line marking
Drop kerb
Centre line
Top of bank
Overhead Cable
Concrete edge
Tarmac edge
Grass verge
Canopy/Overhang
Verge
Bottom of bank
1 — Station and Name
100.000 — Station Level
Tree / Bush / Sapling
Area of Undergrowth
Woodland
R: Ridge Level
E: Eaves Level
F: Flat Roof Level
Gate

Fence types:

I\W	Interwoven
I\R	Iron Railings
W\M	Wire Mesh
P\R	Post & Rail
P\W	Post & Wire
C\L	Chain Link
W\P	Wooden Panels
C\B	Close Boarded
S\P	Steel Palisade

IC	Inspection chamber	Bo	Bollard
PInv	Pipe invert	IB	Illuminated bollard
Gy	Gully	Bin	Rubbish bin
Bg	Back gully	Vp	Vent pipe
Dp	Down pipe	Grl	Ground light
Pipe	Pipe above ground	Lbox	Letter box
MH	Manhole	Stmp	Tree Stump
WL	Water level	Sty	Stile
Fl	Flood light	IFL	Internal floor level
Lp	Lamp post	THL	Threshold level
Tp	Telegraph post	Sp	Sign post
Ep	Electricity post	TH	Trialhole
Tl	Traffic light	BH	Borehole
Bus	Bus stop	ELC	Electric
Sv	Stop valve	BT	British Telecom
St	Stop tap	C'box	Control box
Er	Earth rod	TT	Tactile
Wm	Water meter	BP	Brick paved
Gas	Gas valve	CPS	Concrete paving slabs
Av	Air valve	CVR	Cover
ICU	Unidentified inspection	R/wall	Retaining wall
Wo	Wash out	TWL	Top of Wall Level
Re	Rodding eye	TCL	Tree canopy level
BB	Belisha beacon	G:	Girth
CTV	Cable tv	MG	Multi girth
Mkr	Marker post	IC	Inspection chamber
Gmkr	Gas marker post	CL:	Cover level
So	Soffit	IL:	Invert level
Fh	Fire hydrant	UTL	Unable to locate

PAS 128 : 2022 LEVEL B SURVEY

QUALITY LEVEL	CRITERIA USED IN THE DETERMINATION OF QUALITY LEVEL	LOCATION ACCURACY
QL-B4	A UTILITY SEGMENT WHICH IS SUSPECTED TO EXIST (EITHER ON QL-D OR QL-C) BUT HAS NOT BEEN DETECTED AND THEREFORE SHOWN AS AN ASSUMED ROUTE. **(NO DETECTION POSSIBLE)**	**UNDEFINED**
QL-B3/B3P	HORIZONTAL LOCATION ONLY OF THE UTILITY DETECTED BY ONE OF THE GEOPHYSICAL TECHNIQUES USED. **(EML OR GPR DETECTION WITH LIMITED CONFIDENCE IN DEPTH)**	**+/- 500mm HORIZONTAL LOCATE. UNDEFINED VERTICAL LOCATE**
QL-B2/B2P	HORIZONTAL & VERTICAL LOCATION OF THE UTILITY DETECTED BY ONE OF THE GEOPHYSICAL TECHNIQUES. **(EML OR GPR DETECTION WITH CONFIDENCE IN DEPTH)**	**+/- 250mm HORIZONTAL LOCATE +/- 40% VERTICAL LOCATE**
QL-B1/B1P	POSITION AND DEPTH OF THE UTILITY DETECTED BY MULTIPLE GEOPHYSICAL TECHNIQUES. **(EML + GPR DETECTION)**	**+/- 150mm HORIZONTAL LOCATE +/- 15% VERTICAL LOCATE**

DISCLAIMER

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 Greenhatch Group, 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.

Rev	Date	Description	Drawn	Q. Ref.

greenhatch group

- ☐ Topographical Surveys
- ☐ Site Engineering
- ☐ Utility / CCTV Surveys
- ☐ Measured Building Surveys
- ☐ 3D Laser Scanning
- ☐ Revit & BIM Models

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Newcastle Bus. Park
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NW1 5LL
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CLIENT
T.A.D Architects

PROJECT
Biddulph Country Park Cafe
ST8 7TZ

TITLE
Utility
Survey

SCALE
A0@ 1: 100

DATE
02.11.23

DRAWN
JR

QUALITY REF

Level datum: *See OS Note*
Grid orientation: *See OS Note*
Job number: *48933*

Drawing No.
48933_T_UG

Rev.
0

Comments
This plan should only be used for its original purpose. Greenhatch Group accepts no responsibility for this plan if supplied to any party other than the original client.

All dimensions should be checked on site prior to design and construction.

Drainage information (where applicable) has been visually inspected from the surface and therefore should be treated as approximate only.

Notes:

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