

GRID IS BASED UPON SURVEY CONTROL STATION 12, FIXED TO THE ORDNANCE SURVEY NATIONAL GRID BY GPS SATELLITE ACTIVE NETWORK.

LEVELS ARE RELATED TO :- THE ORDNANCE SURVEY GPS ACTIVE NETWORK AND TRANSFORMED USING THE OSGM15 & OSTN15 MODEL.

BENCH MARK USED IS LOCATED AT :-
SURVEY CONTROL STATION 12, AS SHOWN ON DRAWING.

VALUE GIVEN AS 105.421m (GPS DATUM)

E = 536653.761 N = 237539.383

SURVEY CONTROL STATIONS SHOWN

ABBREVIATIONS (where applicable)

AV	Air Valve	MH	Manhole Cover
BL	Brick	MS	Marker
BU	Butt Weld	MS	Milestone
BS	Bus Stop	MT	Meter
BT	Business Telecom	MR	Mercury
CB	Control Box	OH	Overhead
CLB	Close Boarded	PW	Paving
CL	Close Level	PM	Pipe
CO	Coastal	PE	Pipe
CO	Concrete	PH	Parking Meter
CP	Concrete Post	PI	Post and Rail
CPS	Concrete Paving Slabs	P/P	Post and Pipe
CTV	Cable Television	RE	Reading Eye
DC	Drainage Channel	RS	Reinforcing
DP	Drain Pipe	RS	Road Sign
EC	Electricity Cover	RS	Rail Steel Joist
ER	Earthling Road	SC	Stop Crack
FB	Fiber Box	SK	Sidewalk
FE	Fence	SL	Sidewalk
FI	Fire Hydrant	SLT	Street Light
FL	Flow Level	SV	Telephone Call Box
FP	Flag Pole	SV	Security Video Camera
FS	Fiber Splice	TCB	Telephone Call Box
GS	Gas Valve	T	Tank
GU	Gully	TL	Traffic Light
HT	Hot	TP	Telephone Pole
IC	Inspection Cover	UG	Underground
IN	Intersect	U/L	Undergrade
IN	Intersector	UL	Undergrade to Lift
J/R	Joint Road	UP	Vent Pipe
KD	Knee Butlet	WL	Water Level
L	Letter Bin	WM	Water Meter
LP	Long Post	WSH	Wash Drip

NOTES

- * Drainage pipe sizes (where shown) have been gauged from the surface for safety reasons and should be regarded as approximate only.
- * Tree species (where shown) should be treated with caution and expert identification is advised.
- * Although this is a visual survey the accuracy and amount of detail shown is only commensurate with the graphical scale of mapping as specified. Care should be exercised when working to larger scales.
- * Visible features in the vicinity of the boundaries as shown above, may not represent the actual boundary content.
- * Whilst every effort has been made to achieve accuracy on this plan, CRUCIAL clearance dimensions, levels and invert levels should be checked prior to design and construction.
- * Kerb levels have been taken from the bottom of the channel.
- * Areas of dense undergrowth cannot be surveyed in detail, these will be shown in outline and marked as "dense undergrowth". The presence of trees and dense undergrowth may affect the accuracy of the plan.

TOPOGRAPHICAL SURVEY

FOR	RAND BROTHERS HATCHPEN FARM ROYSTON HERTFORDSHIRE	SURVEYOR	SS/AC/LP/MC
		DATE	MARCH 2023

SURVEYOR SS/AC/LP/MC
DATE MARCH 2023

NO	DATE	REVISION

DRAWING NO	L 11505/1
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UNDERGROUND SERVICES

- 1) Although every effort has been made to trace underground services using rodetection, no guarantee can be given that all have been found. Due to their complexity, the contractor may not be able to trace all underground service pipes, gas & Water. Service trace holes must be dug prior to excavation.
- 2) In the absence of evidence to the contrary the routes of confirmed manhole connections are assumed.
- 3) This survey has been carried out in accordance with the RNS specification for tracing underground utilities of scales of 1500 or greater.
- 4) Underground service information should be read in conjunction with local statutory drawings.
- 5) Please note that it is illegal to lift telecommunications cables in public areas. Their routes can be ascertained by contacting the relevant statutory authorities. Broken or damaged cables should be reported to the relevant authority.
- 6) The contractor will not be responsible for any damage to underground services caused by rodetection e.g. Gas/Water or fibre optic cables or pipes of less than 100mm in diameter. The contractor will not be responsible for any damage to underground services caused by a signal to. As an alternative GPS technique can be employed to determine cable in attempt to avoid any damage. This may be subject to approval of client's engineer.
- 6) The different services are denoted as follows:-

-----4100----- Underground Storm Drainage (diameter in millimetres)

-----4100----- Underground Combined Drainage (diameter in millimetres)

7) Abbreviations: -

CL	Cover Level	NDP	No Depth Possible	UPS	Unknown Pipe Size
CW	Combined Water	NPV	No Pipes Visible	PNV	Pipe Not Visible
D	Diameter (mm)	NRP	No Riser Pipes Visible		
D	Depth (m)	NPSP	No Pipe Size Possible		
FW	Fat Water	OFW	Overflow Pipe		
HL	High Level Pipe	SP	Storm Water		
I	Inspection Cover	UTL	Unable to Trace Further		
I	Invert Level	UTL	Unable to Lift		
MH	Manhole	UTL	Unable to Trace		