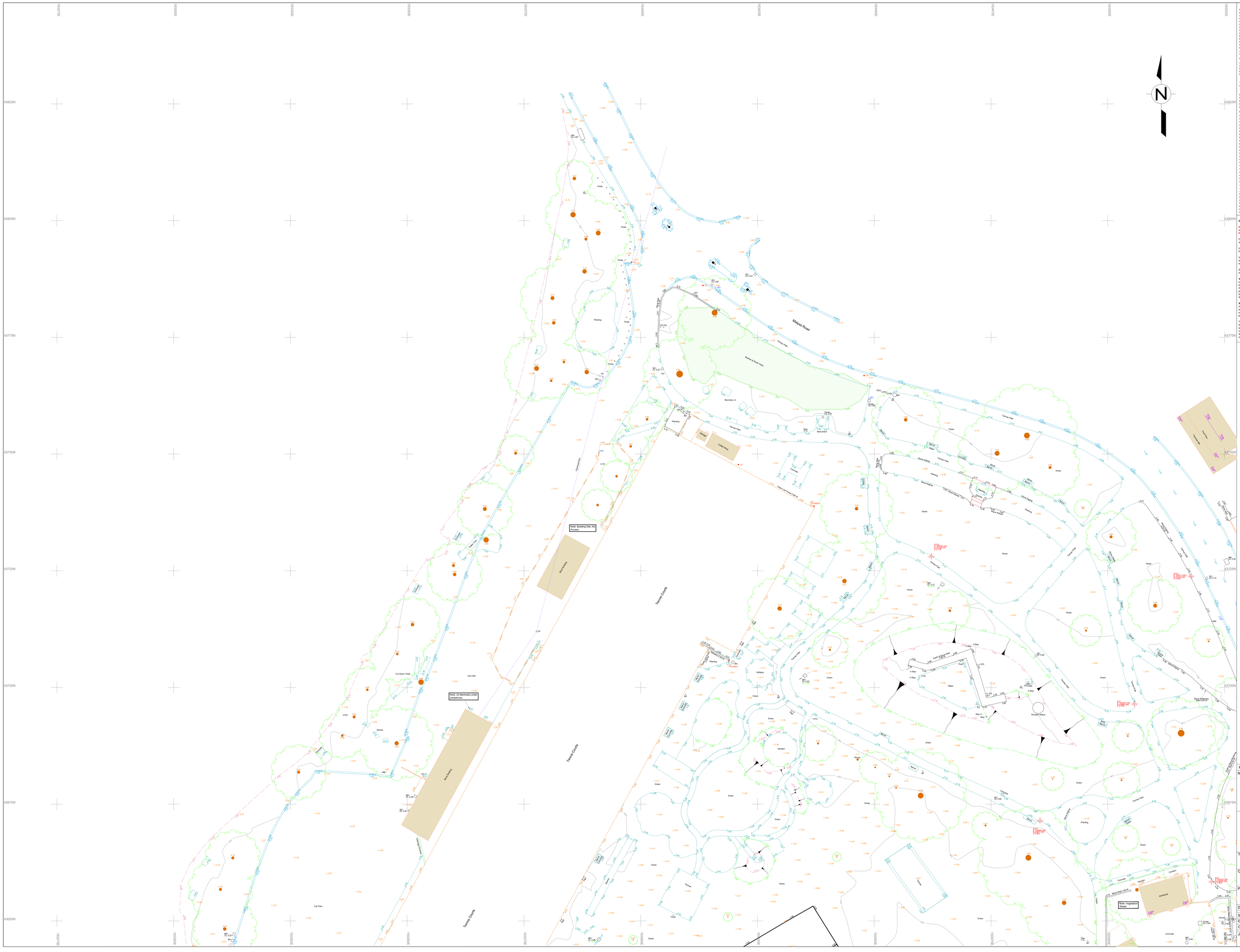
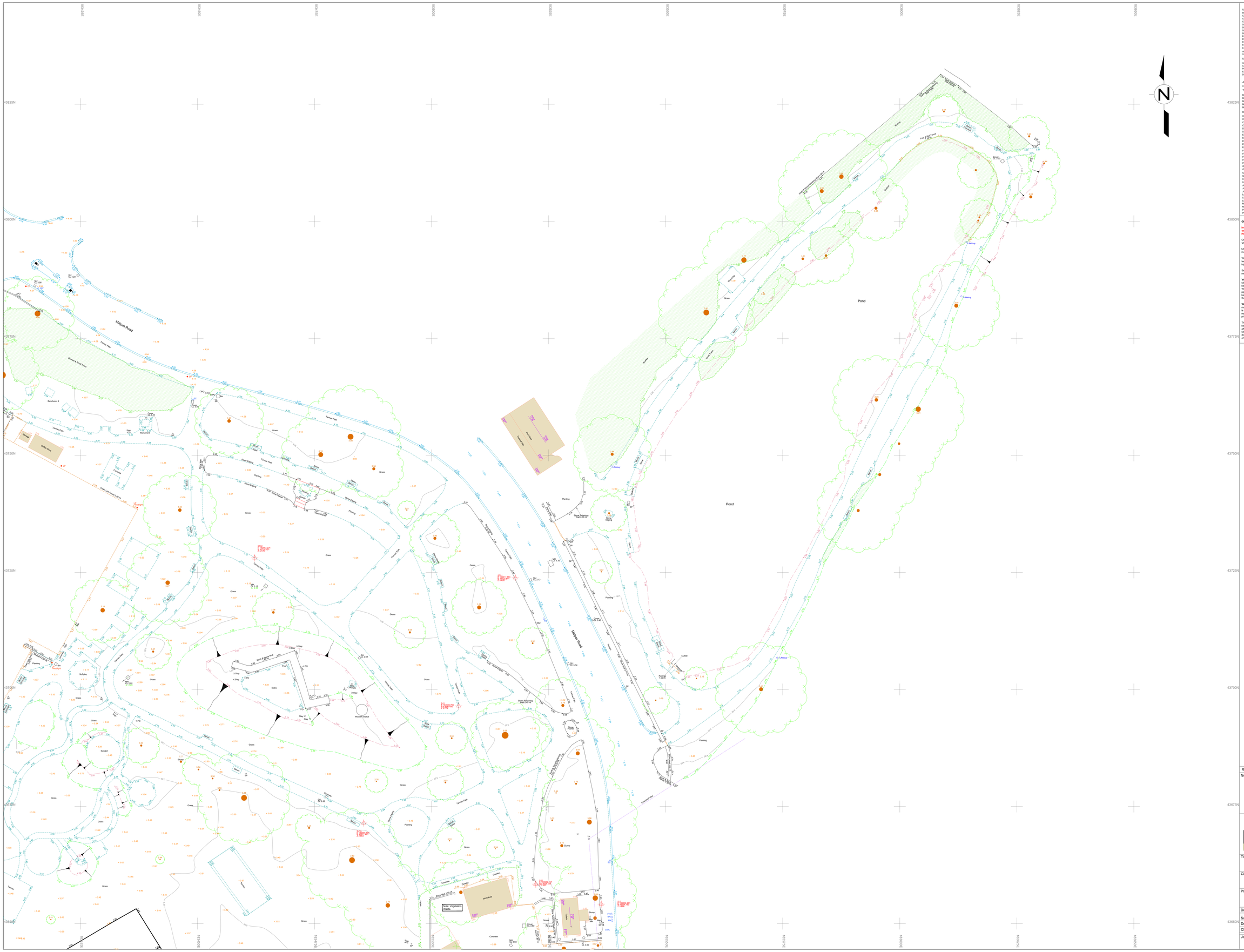

Malpas Road
Tennis Courts
Tennis Courts
Tennis Courts
Bowling & Short Mat
Benches x 4
Cricket Nets
Car Park
Car Park
Note: Building Site, No Access
Note: 2x Manholes under campervan.
Note: Vegetation Waste
Workshop
Store
Store
Store


Malpas Road
Pond
Malpas Road
Tarmac Path
Tarmac Path
Tarmac Path

Football Pitch
Football Pitch
Football Pitch
Sports Pitch
Tennis Courts
Cricket Club
Car Park
Gym Equipment
Outdoor Gym Equipment
Note: Stone Retaining Wall - Headwall.
Note: No access beyond fence to tide gate.
Note: Vegetation Waste
Storage Area
Material Storage
Woodland
Concrete
Gravel
Grass
Hedge
Fence
Ditch
Stream
Culvert
Pond
Hoop
Flood Light
Flood Light
Flood Light

Football Pitch
Football Pitch
Football Pitch
Sports Pitch
Sports Pavillion
Workshop
Storage Area
Material Storage
Car Park
Tarmac
Concrete
Grass
Sand
Bench
Note: Vegetation Shown
Note: Boundary Unclear
Note: Boundary Unclear
Note: Boundary Unclear

LEGEND

UTILITY LINETYPES

British Telecom	BT	Gas	GAS
Cable Television	CATV	Heating Pipes	HP
Closed Circuit Television	CCTV	Irrigation	IRR
Communications	COM	Multiple Services Route	MSR
Drainage	DR	Oil	OIL
Drainage - Combined Water	CW	Oxygen	OXY
Drainage - Foul Water	FW	Street Lighting	SL
Drainage - Storm Water	SW	Traffic Light Loop	TL
Empty Duct	ED	Unknown found by GPR	
Electric	E	Unknown	U
Fire Hydrant Main	FH	Unknown Cable	UC
Fibre Optic	FO	Unknown Pipeline	UP
Water	W	Water	W
Assumed Service Route - See GENERAL NOTES (Using abbreviation of service and colour as above)		ASR——XXX	

UTILITY SURVEY INFORMATION

Area of Concern	AOC	Unable to Survey	UTS
Contracted Survey Area	CSA	Unable to Lift (cover)	UTL
Previous Survey Area	PSA	Unable to Trace	IED
Extent of (Post processed) GPR	GPR	Unable to Trace (due to blockage)	IBL
Depth to Top of Service (metres)	01.50m	Unable to Trace Further	IBL
		End of Trace	EOT

ABBREVIATIONS used on a PAS 128 Survey
(C-Dist EOP) 0.65d = Depth in metres, B2 = Quality Level, P = Post processed GPR

TOPOGRAPHIC & UTILITY DETAILS

Barrier (symbol - sized)		Pipe into Ground (symbol)	
Bellaria Beacon (symbol)		Post (symbol)	POST
Bollard (symbol)		Post & Rail Fence (symbol)	
Boundrite (symbol)		Road Sign (symbol)	SIGN
British Telecome IC (sized)	BTIC	Rodding Eye (symbol)	
Building (incomplete detail)		Sapling (symbol)	
Cable into Ground (symbol)		Sign Post (symbol)	SIGP
Cable TV Box (symbol)		Spot Height (symbol)	
CCTV Camera (symbol)	CCTV	Spot Height	SPOT
Cover Level in metres	CL 50.00	Stop Cock (symbol)	
Direction of Flow (Drainage)		Stop Valve (symbol)	
Earth Mat (symbol)		Survey Station (symbol)	
Earth Rod (symbol)		Telephone Pole (symbol)	
Electric Cabinet (sized)	EC	Traffic Bollard (symbol)	
Electric Pole (symbol)		Tree (dimensions in metres - e.g.)	
Electric Sign (symbol)		Hedge	
Embankment		Shrub	
Feeder Pillar (sized)	FP	Traffic Light (symbol)	
Flag Pole (symbol)	FP	Unknown Valve (symbol)	UV
Flat Roof Level in metres	FRL 50.00	Vent Pipe (symbol)	
Flood Light (symbol)		Weeds	
Gas Valve (symbol)		Weeds Pipe (symbol)	
Gully (sized)		Water Meter (symbol)	
Ground Level in metres	GL 50.00	Water Valve (symbol)	
Gulley (sized)		Building Canopy	
Inspection Cover (sized)		Crash Barrier	
Invert Level in metres	IL 50.00	Drainage Channel	
Junction Box - BT (sized)	BT	Drop Kerb (level in metres)	
Junction Box - Comms (sized)	COM	Edge Detail (level in metres)	
Junction Box - Electric (sized)	ELE	Footpath (level in metres)	
Lamp Post (symbol)		Fence	
Light Bollard (symbol)		Heras Fence	
Light in ground (symbol)		Kerb channel (level in metres)	
Manhole (sized)	MH	Kerb top (level in metres)	
Overhead Power Pool		Overhead Service Line	
Parapet Level in metres	PL 50.00	Pedestrian Railing	
Pipe Diameter in millimetres	100		

GENERAL NOTES

Irrespective of the information provided by a utility survey and statutory plans, excavation work should be undertaken with extreme caution and in accordance with HSE Guidelines - HSG47 Avoiding Danger from Underground Services

Only sub-surface utility information is provided. Above ground utility information may be shown where it assists with positional referencing.

Utilities may continue outside of the survey area. Any paint marks outside of the area are for investigative purposes only and may not represent the full extent of the sub-surface utilities.

Where logic indicates a utility exists but which cannot be positively confirmed with the technology, an assumed route (ASR) is recorded. All assumed service routes (ASR) have been highlighted with a background yellow colour for visual enhancement.

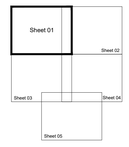
Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed

Vertical & Horizontal Position - Vertical position (depth) is indicative to the top of the feature (e.g. pipe crown, cable sheath). Where the top of the feature is not visible, depth cannot be taken as exact, as this could be the surround to the service rather than the service itself. Where depth information from the technology is unclear, depth is not shown. Drains and pipes/ducts may have been detected using threading and the depth indicated could be between the top (soffit) and the bottom (invert). Horizontal position is indicative to the centre of the utility/feature and should not be taken as exact.

Warranty - Biodegradable paints are used to mark-out the position of the utilities. Markings may become illegible quickly depending on ground, weather and traffic conditions. No warranty is given in respect of the durability of the paint markings and that they are a complete representation of the sub-surface utilities, therefore, this drawing should be used as the primary reference for the survey results.

This drawing does not provide an absolute representation of the sub-surface. Utilities have been detected using non-invasive technologies only and the performance can be adversely affected by ground, weather and site conditions outside of SUMO's control, therefore, some utilities may be undetectable. While SUMO uses reasonable endeavours to detect all utilities, it cannot guarantee that it will. Typically, the maximum and approximate depth penetration of the technologies SUMO uses will not be greater than two metres.

SHEET LAYOUT



Rev	Notes	Drawn	Date

Notes:

Survey is referenced to OS Grid and Level Datum.

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Title: Topographical Survey

Client: MWJV

Project: Boscawen Park, Malpas Road, Truro

Date Completed:	09/12/2021	Post Code:	TR1 1SG
Surveyed:	SJ, LG, TB	Scale:	1/250 (A0 Sheet)
Drawn:	DM		
Checked:	SJ, LG, TB		
Job No:	SUMO-05167	Dwg No:	05
		Rev:	