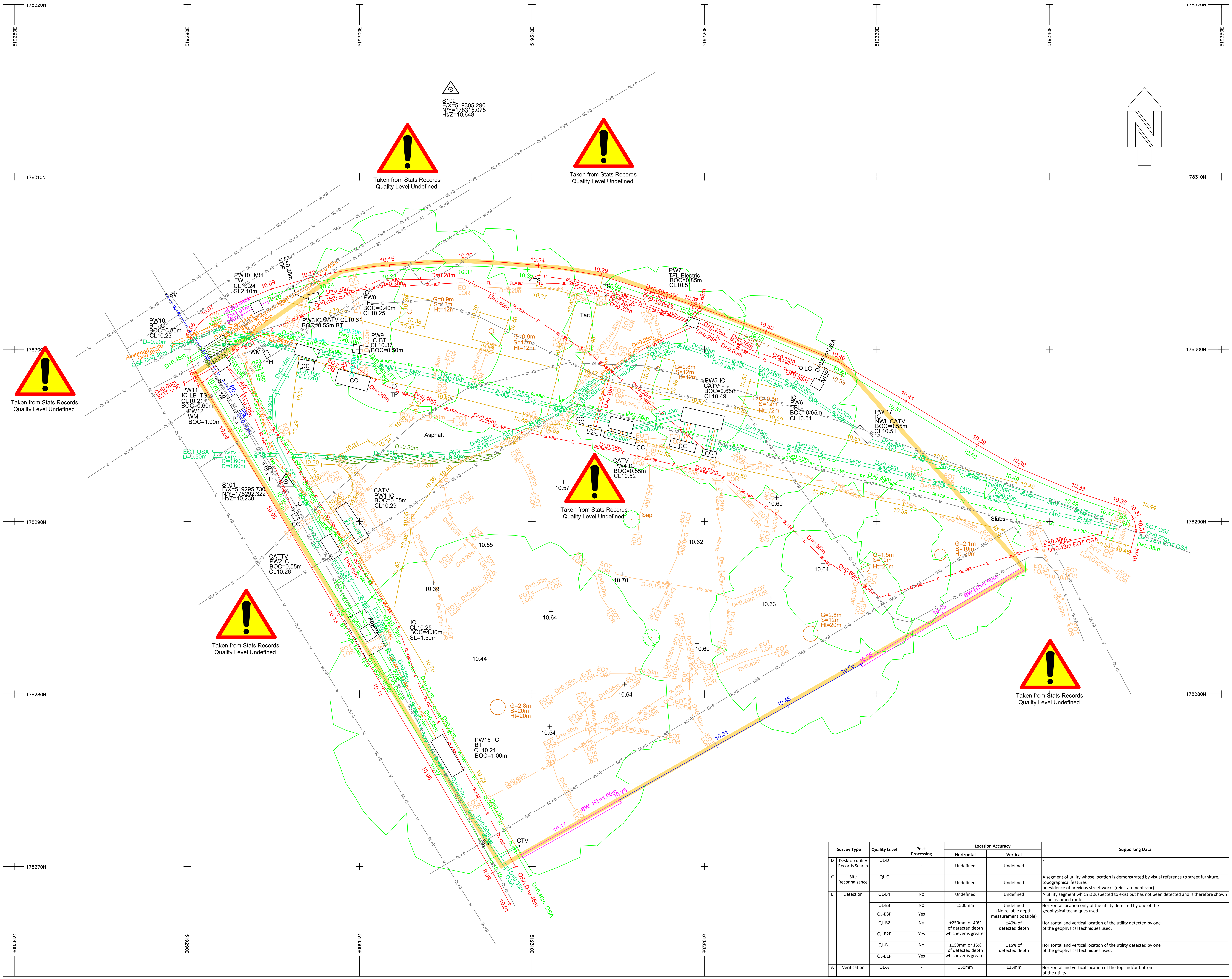
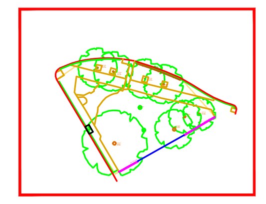


SHEET LAYOUT



UTILITY LEGEND

- FWS — Foul Drainage
- SWS — Surface Drainage
- CWS — Combined Drainage
- ELEC — Electricity
- OHE — Overhead Electricity
- TL — Traffic Light System
- GAS — Gas
- WATER — Water
- TELECOM — Telecommunications
- CATV — Cable Television
- CCTV — Close Circuit Television
- BT — British Telecom
- OHT — Overhead Telecom
- FO — Fibre Optics
- UK — Unknown
- UK-GPR — Unknown Route Located By GPR
- DUCT — Ducting
- TfL — Transport for London
- GPR Image Position
- GPR Ground Anomaly
- GPR Geological Movement
- GPR Reinforcement
- GPR Underground Structure
- GPR Underground Void
- Survey Extents
- Photo Position

*** Please Note:**
Utility routes shown in dark grey & with line type (r) are from existing records.
Example: —— E —— QL=D ——

ABBREVIATIONS

AC	Asbestos Cement	FFL	Finished Floor Level	R/W	Retaining Wall
ACU	Air Conditioning Unit	FH	Fire Hydrant	S	Stump
AD	Assumed Direction	FO	Fibre Optic Cover	SA	Survey Abandoned
AR	Assumed Route	FS	Flag Staff	S/A	Soakaway
AV	Air Valve	G	Gully	SC	Speed Camera
BB	Belisha Beacon	GPRI	Ground Penetrating Radar Inconclusive	S/F	Safety Fence
BD	Back Drop			SI	Spun Iron
BdL	Bed Level	GV	Gas Valve	SL	Soffit Level
BH	Borehole	H/R	Hand Rail	SP	Sign Post
Bk	Brick	IC	Inspection Cover	Spr	Spring
BL	Basement Light	IL	Invert Level	S/R	Steel Railings
BO	Bollard	I/R	Iron Rail Fence	SS	Sonde Stops
BR	Brick	KO	Kerb Outlet	ST	Stop Tap
BS	Bus Stop	LB	Letter Box	Stn	Survey Station
BT	British Telecom Cover	LC	Lighting Column	SV	Sluice Valve
BTB	British Telecom Box	LH	Lamp Hole	SVP	Soil Vent Pipe
BW	Brick Wall	LOR	Loss Of Reflection	SW	Stone Wall
B/W	Barbed Wire Fence	LOS	Loss Of Signal	Tac	Tactile Paving
Cam	Camera	MB	Mooring Bollard	TBM	Temporary Bench Mark
CAT	Catenary Level	M/C	Multiple Cables	TC	Telecom Cover
C/B	Close Borded Fence	MH	Manhole Cover	TCB	Telephone Call Box
CC	Control Cabinet	Mkr	Marker Post	TCP	Telephone Call Post
CH	Chainage	MP	Mile Post/Stone	TFR	Taken From Records
ChL	Channel Level	NFI	No Further Information	TH	Trial Hole / Pit
CI	Cast Iron	NM	Node Marker	ThL	Threshold Level
C/I	Corrugated Iron Fence	NP	Name Plate	Tk	Tank
CL	Cover Level	NPV	No Pipes Visible	TOW	Top Of Wall
C/L	Chain Link Fence	OSA	Off Survey Area	TP	Telegraph Pole
Co	Concrete	P	Post	TS	Traffic Signals
CP	Catch Pit	PBM	Permanent Bench Mark	U/S	Upstream
CpL	Coping Level	PE	Polyethylene	UTGA	Unable to Gain Access
CrB	Crash Barrier	PGM	Permanent Ground Marker	UTL	Unable to Locate
CTV	Cable TV			UTR	Unable to Raise
CUL	Culvert	PL	Plastic	UTS	Unable to Survey
CW	Concrete Wall	P/L	Palisade Fence	UTT	Unable to Trace
DI	Ductile Iron	PM	Parking Meter	VC	Vitrified Clay
dil	Dilapidated	P/R	Post and Rail Fence	VDP	Vehicle Detector Pads
dis	Disused	PU	Pump	VP	Vent Pipe
D/S	Downstream	PVC	Polyvinylchloride	VR	Vapour Recovery
DSW	Dry Stone Wall	P/W	Post and Wire Fence	VTP	Vertical Pipe
EB	Electricity Box	PZ	Piezometer	W	Water Cover
EC	Electricity Cover	RE	Rodding Eye	WL	Water Level
E/F	Electric Fence	Ri	Riser	WM	Water Meter
EOT	End of Trace	RL	Rail Level	W/M	Wire Mesh Fence
EP	Electricity Pole	RP	Reflector Post	WO	Water Wash Out
ER	Earth Rod	RS	Road Sign	WS	Window Sample
FC	Fuel Cover	RWP	Rain Water Pipe	WV	Wheel Valve

DISCLAIMER

Unless otherwise stated, all services shown on this plan have been surveyed using approved detectors and the connections between manholes, if not traced, are assumed to be direct.
No guarantee can be given that all services have been shown.
In ideal conditions the depth accuracies for the underground utilities located is +/- 10% of depth.
Where services are shown as 'Taken From Records' on the drawing we are not liable for any loss that may arise due to a lack of accuracy in that guided information.
Due to BT's policy we are not permitted to lift their inspection chamber covers.
Reference should be made to the methodology used on site as detailed within the latest version of 40SEVEN's Site Procedures for Utility Location Surveys.
Excavations in the vicinity of services shown are to be carried out with due diligence (Ref: HS(G)47.)
The following text* is an extract from Surveys of Land, Buildings and Utility Surveys at scales of 1:500 and Larger issued by the Royal Institute of Chartered Surveyors December 2014.
*Electronic tracing is a reliable method of locating buried services. On heavy, built up sites 85% completeness is probably all that can be expected.
*Plan accuracies of the order of + or - 150mm may be achieved but this figure will depend on the depth of the service below ground level. Where similar services run in close proximity, separation may be impossible. Successful tracing of non-metallic pipes may be limited.
*Existing record information showing underground services is often incomplete and of doubtful accuracy. It should be regarded only as an indication and cannot be guaranteed.

NOTES

Read in conjunction with existing records.
Utility routes and text shown in dark grey are from existing records.
Drainage routes with a pipe diameter of 300mm or greater are shown as the pipe width along with continuous line style.
For additional copies please contact 40SEVEN.
Services plotted outside survey extents should not be considered to be exhaustive.

Survey Type		Quality Level	Post-Processing	Location Accuracy		Supporting Data
				Horizontal	Vertical	
D	Desktop utility Records Search	QL-D	-	Undefined	Undefined	-
C	Site Reconnaisance	QL-C	-	Undefined	Undefined	A segment of utility whose location is demonstrated by visual reference to street furniture, topographical features or evidence of previous street works (reinstatement scar).
B	Detection	QL-B4	No	Undefined	Undefined	A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route.
		QL-B3	No	±500mm	Undefined (No reliable depth measurement possible)	Horizontal location only of the utility detected by one of the geophysical techniques used.
		QL-B3P	Yes			
		QL-B2	No	±250mm or 40% of detected depth whichever is greater	±40% of detected depth	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
		QL-B2P	Yes			
		QL-B1	No	±150mm or 15% of detected depth whichever is greater	±15% of detected depth	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
		QL-B1P	Yes			
A	Verification	QL-A	-	±50mm	±25mm	Horizontal and vertical location of the top and/or bottom of the utility.

REV.	DETAILS	BY	DATE

GRID: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

DATUM: ORDNANCE SURVEY RELATED TO THE OS ACTIVE STATIONS BY GPS OBSERVATIONS

Achilles
THE SURVEY ASSOCIATION
bsi. Certificate Number: FS 11217

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PROJECT TITLE:
TFL SITES
PHASE 2 SMALL SITES
CHISWICK HIGH ROAD

DRAWING TITLE:
PAS128 M4P
UNDERGROUND UTILITY MAPPING SURVEY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
MM	VK	EE

SCALE: 1:100 @ A1
SURVEY DATE: 01 / 2019
DRAWING NUMBER: 1670_P_Chiswick_High_Road
SHEET NUMBER: 1 of 1 A1
REV.: