TREES

A	Ash
AL	Alder
AP	Apple
B	Beech
C	Cedar
CB	Copper Beech
CH	Cherry
CY	Cypress
E	Elm
EL	Elder
EU	Eucalyptus
F	Fir
FM	Field Maple
FR	Fruit
HZ	Hazel
HC	Horse Chestnut
HO	Holm Oak
HW	Hawthorn
HY	Holly
JM	Japanese Maple
LB	Laburnum
LM	Lime
LO	Locust Tree
LR	Laurel
M	Maple
MG	Magnolia
OK	Oak
P	Pine
PA	Palm
PL	Plane
PM	Plum
PO	Poplar
PP	Pissardii Plum
PR	Pear
R	Redwood
RD	Red Oak
RH	Rhododendron
RO	Rowan
SB	Silver Birch
SC	Sweet Chestnut
SP	Scots Pine
SU	Spruce
SY	Sycamore
U	Unidentified
W	Willow
WB	White Beam
WN	Walnut
Y	Yew

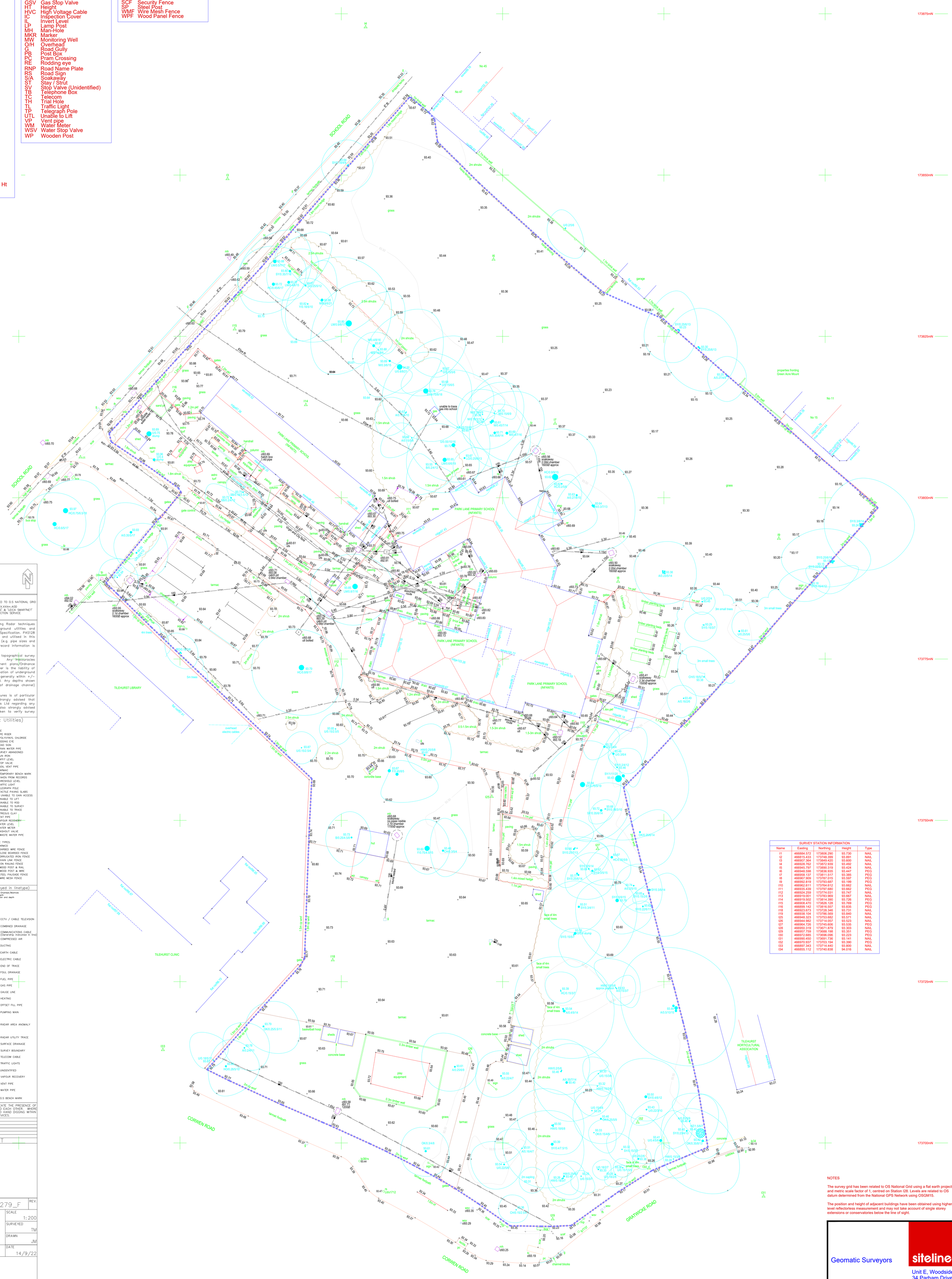
Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

ABBREVIATIONS

BT	British Telecom
BOL	Bollard
CB	Control Box
CL	Cover Level
CTV	Cable Television
EL	Electric
EP	Electricity Pole
ER	Earth Rod
FH	Fire Hydrant
GSV	Gas Stop Valve
HT	Height
HVC	High Voltage Cable
IC	Inspection Cover
IL	Invert Level
LP	Lamp Post
MH	Man-Hole
MKR	Marker
MW	Monitoring Well
O/H	Overhead
G	Road Gully
PB	Post Box
PC	Pram Crossing
RE	Rodding eye
RNP	Road Name Plate
RS	Road Sign
S/A	Soakaway
ST	Stay / Strut
SV	Stop Valve (Unidentified)
TB	Telephone Box
TC	Telecom
TH	Trial Hole
TL	Traffic Light
TP	Telegraph Pole
UTL	Unable to Lift
VP	Vent pipe
WM	Water Meter
WSV	Water Stop Valve
WP	Wooden Post

FENCES

BWF	Barbed Wire Fence
CBF	Closed Board Fence
CP	Concrete Post
CPF	Chestnut Paling Fence
CWF	Chicken Wire Fence
IRF	Iron Railing Fence
PKF	Picket Fence
PRF	Post & Rail Fence
PWF	Post & Wire Fence
SCF	Security Fence
SP	Steel Post
WMF	Wire Mesh Fence
WPF	Wood Panel Fence



NOTES;

LAND SURVEY INFORMATION

VERTICAL DATUM: LOCAL PLANE METRIC RELATED TO O.S NATIONAL GRID
GRID: STATION XXXXXPXX XXX.XXXm.A00
HEIGHT ESTABLISHED VIA "VRS" & "LEICA SMARTNET" COMMERCIAL RTK GPS CORRECTION SERVICE

LOCAL SCALE FACTORNOT APPLIED or LSF

Electromagnetic and/or Ground Penetrating Radar techniques have been used to locate/map underground utilities and features on this drawing to BSI PAS128 Specification. PAS128 Survey Type D data has been consulted and utilised in this survey. Any QL(D), QL(C) data provided (e.g. pipe sizes and position) is not guaranteed as historic record information is often incomplete and inaccurate.

Maptec Surveys Ltd is not liable for any topographical survey that has not been undertaken by us. Any inaccuracies relating to topographical plans/development plans/Ordnance Survey data that we have no control over is the liability of the customer. Where quoted, depth information of underground services/features is stated. Depths are generally within +/- 10% accurate, but cannot be guaranteed. Any depths shown are drains are usually to invert (base of drainage channel) unless otherwise stated.

If the location or depth of services/features is of particular importance to a project then it is strongly advised that discussions are held with Maptec Surveys Ltd regarding any possible limitations or anomalies. It is also strongly advised that trial excavations should be undertaken to verify survey results.

ABBREVIATIONS (Land & Utilities)

AR ASSUMED ROUTE	PI PILE
AV AIR VALVE	PR PIPE RISER
BD BACK DROP	PVC POLYVYINYL CHLORIDE
BH BORHOLE	RE RODDING EYE
BIN LITTER/GRIT BIN	RS ROAD SIGN
Bol BOLLARD	RWP RAIN WATER PIPE
BTIC BRITISH TELECOM COVER	SA SURVEY ABANDONED
CATV CABLE TV COVER	SI SPUN IRON
CB CONTROL BOX	SL SOFFIT LEVEL
CI CAST IRON	SV STOP VALVE
CL COVER LEVEL	SVP SOIL VENT PIPE
Conc CONCERET	Tar TARMAC
CP CABLE PIT	TBM TEMPORARY BENCH MARK
CR CABLE RISER	TFR TAKEN FROM RECORDS
CrL CROWN LEVEL	Thl THRESHOLD LEVEL
d DEPTH	TL TRAFFIC LIGHT
Dia DIAMETER	TP TELEGRAPH POLE
EOR END OR RECORDS	TPS TACTILE PAVING SLABS
EOT END OF TRACE	UTGA UNABLE TO GAIN ACCESS
EP ELECTRICITY POLE	UTL UNABLE TO LIFT
ER EARTH ROD	UTR UNABLE TO ROD
FH FIRE HYDRANT	UTS UNABLE TO SURVEY
FL FLOOR LEVEL	UTT UNABLE TO TRACE
G GULLY	VC VITREOUS CLAY
GPR TRACED BY RADAR	VP VENT PIPE
GV GAS VALVE	VR VAPOUR RECOVERY
HV HIGH VOLTAGE	WL WATER LEVEL
IC INSPECTION CHAMBER	WM WATER METER
IL INVERT LEVEL	WO WASHOUT VALVE
KO KERB OUTLET	WWP WASTE WATER PIPE
LP LAMP POST	
LV LOW VOLTAGE	FENCE TYPES:
MH MANHOLE	AMF ARMCO
Mkr MARKER POST	BWF BARBED WIRE FENCE
OSA OUTSIDE SURVEY AREA	CBF CLOSE BOARDED FENCE
OSBM O.S BENCH MARK	CIF CORRUGATED IRON FENCE
OH OVERHEAD	CLF CHAIN LINK FENCE
P POST	IRF IRON RAILING FENCE
PE POLYETHALINE	MPR WOOD POST & RAIL
PF PITCH FIBER	MPW WOOD POST & WIRE
	SPF STEEL PALISADE FENCE
	WMF WIRE MESH FENCE

BSI PAS128 Quality Levels (displayed in linetype)

(A) = Verified by inspection-trial pit, vacuum Excavation, Inspection Chamber/Manhole
(B1) = Detected with either GPR or EM. – High confidence position and depth
(B2) = Detected with either GPR or EM. – Medium confidence position and depth
(B3) = Detected with GPR or EM. (no depth – poor signal)
(C) = Record data located to Street Furniture – not detected
(D) = Record data located to Street Furniture – not detected
(D) = Record data not located- not detected
NB QL(X) is inferred at all MHs ICs etc. unless otherwise stated.

KEY

TV(B1) TV(B1) TV(B1)	CCTV / CABLE TELEVISION
450 CWS(C) CWS(C)	COMBINED DRAINAGE
COM(B2) COM(B2)	COMMUNICATIONS CABLE (Ownership indicated in line)
A A A	COMPRESSED AIR
	DUCTING
E E E	EARTH CABLE
E(B2) E(B2) E(B2)	ELECTRIC CABLE
EOT	END OF TRACE
150 FWS(B2) FWS(B2)	FOUL DRAINAGE
F(A)	FUEL PIPE
G(B2) G(B2) G(B2)	GAS PIPE
Gu(A)	GAUGE LINE
H H H	HEATING
O(A)	OFFSET FILL PIPE
I (B3) I (B3)	PUMPING MAIN
I2(B)e I2(B)e I2(B)e	RADAR AREA ANOMALY
R(B2) R(B2) R(B2)	RADAR UTILITY TRACE
300 SWS(B2) SWS(B2)	SURFACE DRAINAGE
	SURVEY BOUNDARY
TEL(B1) TEL(B1)	TELECOM CABLE
TL(B2) TL(B2) TL(B2)	TRAFFIC LIGHTS
U(B3) U(B3) U(B3)	UNIDENTIFIED
VR(A)	VAPOUR RECOVERY
V(A)	VENT PIPE
W(A) W(A) W(A)	WATER PIPE
SURVEY CONTROL STATION	O.S BENCH MARK

A SINGLE LINE INDICATING A UTILITY MAY INDICATE THE PRESENCE OF MULTIPLE SERVICES WITHIN CLOSE PROXIMITY TO EACH OTHER. WHERE A SINGLE LINE TYPE IS SHOWN WE RECOMMEND HAND DIGGING WITHIN 0.5m TO EXPOSE HIDDEN SERVICES.

ISSUE	DATE	DESCRIPTION

SHEET LAYOUT

CLIENT Siteline	DWG No. 22279_F	REV.
TITLE Park Lane Primary School (Infants) School Road Reading	SCALE 1:200	
	SURVEYED TM	
	DRAWN JM	
SHEET 1 OF 1	DATE 14/9/22	

SURVEY TYPE

DRAINAGE [X]
UTILITY [X]

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SURVEY STATION INFORMATION

Name	Easting	Northing	Height	Type
I1	466884.572	173806.290	93.730	NAIL
I2	466815.433	173748.399	93.891	NAIL
I3	466907.364	173849.420	93.600	NAIL
I4	466928.762	173872.939	93.492	NAIL
I5	466945.797	173890.319	93.424	NAIL
I6	466948.598	173836.935	93.447	PEG
I7	466958.137	173811.517	93.385	PEG
I8	466967.909	173787.015	93.597	PEG
I9	466992.819	173793.687	93.199	PEG
I10	466962.611	173764.612	93.662	NAIL
I11	466935.439	173797.680	93.662	PEG
I12	466924.259	173774.031	93.747	NAIL
I13	466919.001	173783.969	93.667	NAIL
I14	466919.502	173814.390	93.726	PEG
I15	466908.470	173826.128	93.769	PEG
I16	466899.142	173816.557	93.835	PEG
I18	466923.673	173728.346	93.731	NAIL
I19	466938.104	173786.569	93.640	NAIL
I25	466948.323	173753.682	93.571	NAIL
I26	466944.982	173714.057	93.523	NAIL
I27	466964.726	173745.606	93.535	PEG
I28	466950.319	173671.879	93.303	NAIL
I29	466957.759	173688.198	93.351	PEG
I30	466972.685	173696.096	93.223	PEG
I31	466990.450	173691.736	93.141	NAIL
I32	466970.937	173703.194	93.390	PEG
I33	466897.343	173714.440	93.800	NAIL
I34	466855.112	173740.838	94.016	NAIL

NOTES

The survey grid has been related to OS National Grid using a flat earth projection and metric scale factor of 1, centred on Station I28. Levels are related to OS datum determined from the National GPS Network using OSGM15.

The position and height of adjacent buildings have been obtained using higher level reflectorless measurement and may not take account of single storey extensions or conservatories below the line of sight.

Geomatic Surveyors	siteline Unit E, Woodside 34 Parham Drive Eastleigh SO50 4NU t: 023 8081 1081 w: siteline.co.uk
MACE GROUP	Client
PARK LANE PRIMARY SCHOOL (INFANTS) SCHOOL ROAD READING	Contract
TOPOGRAPHICAL AND UTILITY SURVEY	Title
841PL-IN02	Drawing Number
SEPTEMBER 2022	Date
1:200 (at A0)	Scale
HB	Surveyor(s)