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
HB	Hornbeam
HC	Horse Chestnut
HO	Holm Oak
HW	Hawthorn
HY	Holly
HZ	Hazel
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
WN	Walnut
Y	Yew

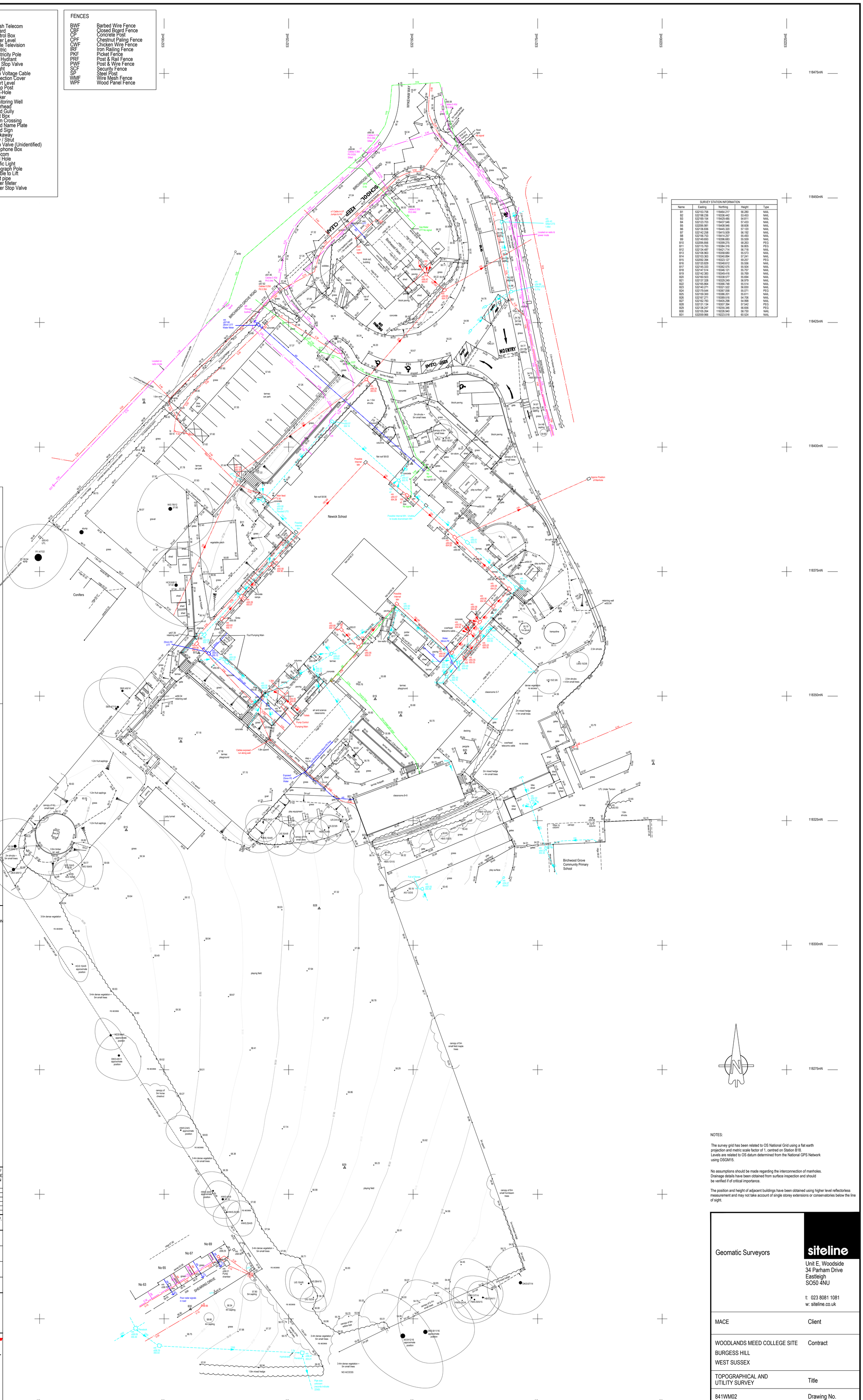
Species / Dia / Spread (max) / Ht
e.g. OK / 0.6 / 8 / 15

KEY

BT	British Telecom
BOL	Bollard
CB	Control Box
CL	Cover Level
CTV	Cable Television
EL	Electric
EP	Electricity Pole
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
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

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



SURVEY STATION INFORMATION				
Name	Easting	Northing	Height	Type
B1	532153.758	118464.217	56.280	NAIL
B2	532198.236	118336.442	53.453	NAIL
B3	532169.154	118429.485	54.811	NAIL
B4	532123.703	118437.546	57.433	NAIL
B5	532095.981	118408.946	58.608	NAIL
B6	532136.836	118445.320	57.120	NAIL
B7	532142.258	118415.509	56.192	NAIL
B8	532156.753	118414.257	55.493	NAIL
B9	532149.693	118396.683	55.559	NAIL
B10	532095.856	118399.275	58.263	PEG
B11	532115.763	118384.316	56.805	PEG
B12	532134.487	118421.714	56.718	NAIL
B13	532106.963	118358.680	55.573	NAIL
B14	532103.363	118340.894	57.241	NAIL
B15	532092.394	118323.127	59.257	PEG
B16	532120.829	118348.612	55.556	NAIL
B17	532145.333	118362.575	55.504	NAIL
B18	532147.514	118346.121	55.757	NAIL
B19	532142.383	118349.416	55.769	NAIL
B20	532160.503	118338.577	55.694	NAIL
B21	532137.328	118329.249	56.979	NAIL
B22	532165.864	118366.748	55.514	NAIL
B23	532140.271	118321.522	56.830	NAIL
B24	532179.544	118367.058	55.071	PEG
B25	532159.300	118386.201	55.611	NAIL
B26	532167.271	118389.516	54.706	NAIL
B27	532162.783	118405.298	54.998	NAIL
B28	532131.134	118307.394	57.542	PEG
B29	532136.247	118255.346	56.656	PEG
B30	532105.264	118226.940	58.730	NAIL
B31	532099.966	118223.018	60.524	NAIL

NOTES;

Electromagnetic and/or Ground Penetrating Radar techniques have been used to locate/map underground utilities and features on this drawing. Maptec Surveys Ltd has made every endeavour to make sure that the information contained within this drawing is accurate and of the highest quality. Maptec Surveys Ltd has used any record drawings provided by the client or by the Statutory Utility Providers, at the client's request, at the time of the survey. Any information taken from these drawings (e.g. pipe sizes and position) is not guaranteed. Historic record information is often incomplete and inaccurate and cannot be relied upon.

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.

At Maptec Surveys Ltd we use skilled staff and modern, calibrated equipment to perform our surveys. However, the completeness of any underground survey cannot be 100% guaranteed and the results from these types of surveys are not infallible. 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 confirm survey results. We cannot be held responsible for any inaccuracies beyond those that could be reasonably expected by a competent company.

ABBREVIATIONS (Land & Utilities)

AR	ASSUMED ROUTE	KO	KERB OUTLET	SIL	SIGNAL LOST
AV	AIR VALVE	Lby	LIFEBOUY	SP	SIGN POST
BB	BELISHA BEACON	Lok	LOCK GATE	SPil	SHEET PILING
BD	BACKDROP	Ld	LADDER	Spr	SPRING
Bd	BED LEVEL	LH	LAMP HOLE	SPl	SAMPLING POINT
BH	BOREHOLE	LP	LAMP POST	ST	STOP TAP
Bhch	BASEMENT HATCH COVER	LV	LOW VOLTAGE	Stl	STILE
Bin	LITTER / GRIT SALT BIN	MgP	MOORING POST	Stl	STRUCTURE TOP LEVEL
BL	BASEMENT LIGHT	mH	METERS HIGH	Stp	STUMP (TREE)
Bol	BOLLARD	Mncy	MACHINERY	StP	STAND PIPE
BP	BOUNDARY POST	MH	MANHOLE	StPo	STAY POST
BS	BUS STOP	Mkr	MARKER POST	StW	STAY WIRE
BTIC	BRITISH TELECOM CHAMBER	MkrE	MARKER POST (ELECTRIC)	SV	STOP VALVE
CatL	CATENARY LEVEL	MkrG	MARKER POST (GAS)	SvP	SOIL VENT PIPE
CATV	CABLE TV COVER	MkrR	MARKER POST (RAILWAY)	TBM	TEMPORARY BENCH MARK
CB	CONTROL BOX	MkrT	MARKER POST (TELECOM)	TCB	TELEPHONE CALL BOX
CBlt	CONVEYOR BELT	MkrW	MARKER POST (WATER)	TEL	TELECOM CHAMBER COVER
CC	COAL CHUTE	MP	MILE POST	TFR	TAKEN FROM RECORDS
CGrd	CATTLE GRID	MS	MILE STONE	Thl	THRESHOLD LEVEL
CHL	CHANNEL LEVEL	NL	NOT LOCATED	TL	TRAFFIC LIGHT
Chy	CHIMNEY	NP	NAME PLATE	TP	TELEGRAPH POLE
CI	CAST IRON	OSA	OUTSIDE SURVEY AREA	Tpt	TRIAL PIT
CL	COVER LEVEL	OSBM	O.S BENCH MARK	TPS	TACTILE PAVING
CO	CONCRETE	OGP	OVERGROUND PIPE	Tr	TROUGH
CP	CABLE PIT	OHCu	O/H CABLE (UNIDENTIFIED)	UTF	UNABLE TO FIND
CPS	CONCRETE PAVING SLABS	OHE	OVERHEAD CABLE (ELECTRIC)	UTGA	UNABLE TO GAIN ACCESS
CpL	COPING LEVEL	OHG	OVERHEAD GANTRY	UTL	UNABLE TO LIFT
Cpst	CAPSTAN	OHP	OVERHEAD PIPE	UTR	UNABLE TO ROD
Cpst	CAMERA POST	OHT	OVERHEAD CABLE (TELECOM)	UTS	UNABLE TO SURVEY
CR	CABLE RISER	OP	OUTLET PIPE	UTT	UNABLE TO TRACE
CrL	CROWN LEVEL	P	POST	VC	VITREOUS CLAY
CuP	CULVERT PIPE	Pb	PARK BENCH	VP	VENT PIPE
CWM	CABLE WINDING MACHINERY	PB	POST BOX	VR	VAPOUR RECOVERY
d	DEPTH	PCrg	PEDESTRIAN CROSSING	VS	VENTILATION SHAFT
Dia.	DIAMETER	PE	POLYETHALINE	VW	VALVE / SLUICE WHEEL
DS	DIRECTION SIGN	PF	PITCH FIBER	WB	WEIGHBRIDGE
EIC	ELECTRIC INSPECTION COVER	Pl	PILE	WL	WATER LEVEL
EoC	EDGE OF CANOPY	Pv	MOVEMENT DETECTOR	WM	WATER METER
EOR	END OF RECORDS	Pmd	PLANT MOTOR DRIVE	WO	WASH OUT VALVE
EOT	END OF TRACE	PP	PETROL / DIESEL PUMP	Wr	WEIR
EP	ELECTRICITY POLE	PR	PIPE RISER	WrL	WEIR LEVEL
ER	EARTH ROD	Pak	PENSTOCK	WrPl	WEIR PLATE (TOP)
ESher	EMERGENCY SHOWER	PU	PUMP	WWP	WASTE WATER PIPE
ESP	ELECTRICITY SUPPLY POINT	PV	PIPE (VERTICAL)		
Esw	ELECTRICAL SWITCH	PVC	POLYVINYL CHLORIDE	FENCE TYPES:	
FB	FOOTBRIDGE	Pyl	PYLON	AMF	ARMCO
FH	FIRE HYDRANT	Pz	PIEZOMETER	BWF	BARBED WIRE
FL	FLOOR LEVEL	RE	RODDING EYE	CBF	CLOSE BOARDED
FS	FLAG STAFF / POLE	RG	RAIN GAUGE	CIF	CORRUGATED IRON
G	GULLY	RMP	RESERVOIR MONITORING PNT	CLF	CHAIN LINK
G+	GIRTH	RP	REFLECTOR POST	CPF	CHESTNUT PALING
GIP	GAS INLET PIPE	RS	ROAD SIGN	IRF	IRON RAILING
GP	GUIDE POST	RSP	RAILWAY SIGNAL POST	IWF	INTERWOVEN
GPR	TRACED BY G.P.R	RWP	RAIN WATER PIPE	PCF	POST & CHAIN
Grl	GRILLE	S	SPREAD	PIF	POST & IRON RAIL
GV	GAS VALVE	SA	SURVEY ABANDONED	WPR	POST & RAIL
Hgt	HEIGHT	SB	SIGN BOARD	PWF	POST & WIRE
HH	HANDRAIL	Shlt	SHELTER (BUS / TRAM)	SPF	STEEL PALLISADE
HV	HIGH VOLTAGE	SI	SPUN IRON	WMF	WIRE MESH
IC	INSPECTION CHAMBER	SL	SOFFIT LEVEL		
IL	INVERT LEVEL	SIlL	SILT LEVEL (TOP)		
IP	INLET PIPE	SMP	SETTLEMENT MONITORING PNT		
JN	JUNCTION				

KEY

TV	CCTV / CABLE TELEVISION
450	COMBINED DRAINAGE
COM	COMMUNICATIONS CABLE
A	COMPRESSED AIR
	DUCTING
E	EARTH CABLE
	ELECTRIC CABLE
EOT	END OF TRACE
150	FOUL DRAINAGE
F	FUEL PIPE
	GAS PIPE
G	GAUGE LINE
H	HEATING
O	OFFSET FILL PIPE
	PUMPING MAIN
R	RADAR AREA ANOMALY
R	RADAR UTILITY TRACE
300	SURFACE DRAINAGE
	SURVEY BOUNDARY
	TELECOM CABLE
TL	TRAFFIC LIGHTS
U	UNIDENTIFIED
VR	VAPOUR RECOVERY
V	VENT PIPE
	WATER PIPE
O.S BENCH MARK	SURVEY CONTROL STATION

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

CLIENT	DWG No	REV.
TITLE	SCALE	
	SURVEYED	
	DRAWN	
SHEET	DATE	

SURVEY TYPE

DRAINAGE — DRAINAGE

UTILITY — UTILITY

MAPTEC SURVEYS

Specialists in Underground Surveying.

Office:
Higher Flax Mills Torbay Road
Castle Cary
Somerset
BA7 7DY

enquiries@maptecsurveys.co.uk
www.maptecsurveys.co.uk

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 B18.
Levels are related to OS datum determined from the National GPS Network using OSGM15.

No assumptions should be made regarding the interconnection of manholes. Drainage details have been obtained from surface inspection and should be verified if of critical importance.

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	Client
WOODLANDS MEED COLLEGE SITE BURGESS HILL WEST SUSSEX	Contract
TOPOGRAPHICAL AND UTILITY SURVEY	Title
841WM02	Drawing No.
AUGUST 2018	Date
1:250 (A0)	Scale
JB	Surveyor