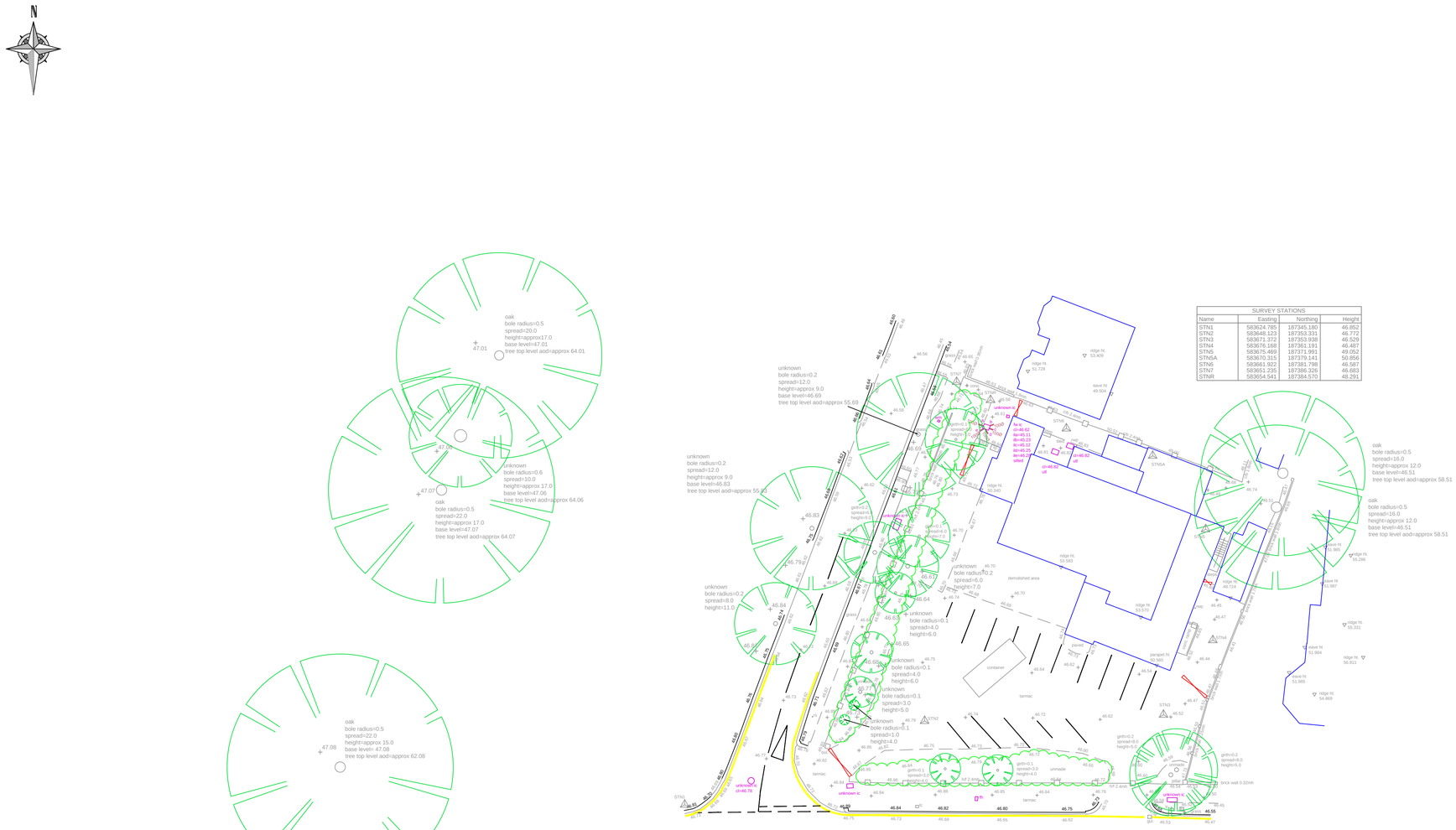

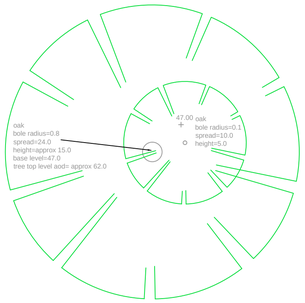

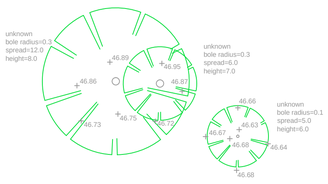

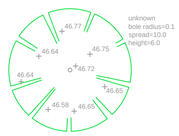

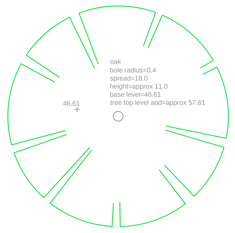

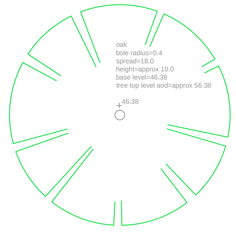

LEGEND:

UTILITIES

ELECTRIC
EXTRA HIGH VOLTAGE ELECTRIC
HIGH VOLTAGE ELECTRIC
LOW VOLTAGE ELECTRIC
STREET LIGHTING CABLES
11KV ELECTRIC
33KV ELECTRIC
66KV ELECTRIC
132KV ELECTRIC
LV HV ELECTRIC
LP GAS MAINS
MP GAS MAINS
IP GAS MAINS

LHP GAS MAINS
NHP GAS MAINS
WATER MAIN
WATER TRUNK MAIN
BT
BT TRUNK
COMMUNICATIONS
FIBRE OPTIC
FOUL DRAINAGE
GPR TARGET
SURFACE DRAINAGE
OIL PIPELINE
HEATING UTILITY
UNKNOWN UTILITY

UTILITIES FROM RECORDS

Utilities from records are shown with (R)
ELECTRIC FROM RECORDS
WATER MAIN FROM RECORDS
OVERHEAD CABLES
OVERHEAD ELECTRIC
OVERHEAD BT

eos — END OF SIGNAL
eot — END OF TRACE
'd' — DEPTH FROM GROUND LEVEL
ws — WEAK SIGNAL
ns — NO SIGNAL
emp — EMPTY PIPE
blk — BLOCKED PIPE
nvp — NO VISIBLE PIPE
cut — CUT CABLES

SURVEY ABBREVIATIONS

av AIR VALVE
bb BELISHA BEACON
bh BOREHOLE
bol. BOLLARD
bm BENCH MARK
cd CABLE DUCT
cpl CORING LEVEL
dc DRAINAGE CHANNEL
dk DROP KERB
dp DOWN PIPE
eos END OF SIGNAL
ep ELECTRIC POLE
fh FIRE HYDRANT
fp FEEDER PILLAR
gv GAS VALVE
gul GULLY
ic INSPECTION CHAMBER
il INVERT LEVEL
jb JUNCTION BOX
lc LAMP COLUMN
mkr MARKER
nb NAME BOARD
rs ROAD SIGN
rwp RAIN WATER PIPE
si SUMP LEVEL
sp SIGN POST
sv SLUICE VALVE
svp SOIL VENT PIPE
tcp TACTILE PAVING
tl TRAFFIC LIGHT
tp TELEGRAPH POLE
tpl TOP OF PIPE LEVEL
ts TRAFFIC SIGNAL
ut UNABLE TO LIFT
vp VENT PIPE
wc WATER LEVEL
wo WASHOUT VALVE

TOPOGRAPHICAL LINETYPES

SURFACE CHANGE
BUILDING LINE
TOP OF KERB
BOTTOM OF KERB
DROP KERB
CANOPY
EDGE OF VERGE
RAILINGS
TOP OF BANK
BOTTOM OF BANK

Fences are shown thus;

3 Bar 3 BAR FENCE
b/w BARBED WIRE FENCE
c/b CLOSE BOARDED FENCE
c/l CHAIN LINK
c/p CHESTNUT PALING
c/w CHICKEN WIRE
e/f ELECTRIC FENCE
h/f HERRAS FENCE
p/f PALISADE FENCE
s/f SECURITY FENCE
p/r POST & RAIL FENCE
i/r IRON RAILING

SYMBOLS

SURVEY STATION
TOP/BOTTOM OF BANK
GATE
RIDGE/EAVE HEIGHT
TREE

The contractor must check and verify all site and building dimensions, levels, utilities, drainage details and connections prior to commencing work.
The accuracy of the digital data is the same as the plotting scale implies. All dimensions are in metres unless otherwise stated. Do not scale from this drawing.
All below ground details including drainage, voids and services have been identified from above ground and therefore all details relating to these features including; sizes, depth, description etc will be approximate only. All critical dimensions and connections should be checked and verified prior to starting work by means of open excavations.

REV:	DESCRIPTION:	BY:	CKD:	APP:	DATE:
B	BASE LEVELS AND APPROXIMATE AOD TREE HEIGHTS ADDED	MLF	DW		30/09/2024
A	UPDATED AOD TREE HEIGHTS	MLF	DW		30/09/2024
DW2018-149	Original survey	AA	BR	CW	13.07.2017

FORMA

SITE ADDRESS:
OLD VIENNA, TUDOR GARDENS, SOUTHEND-ON-SEA, SS9 3AG.

TITLE:
TOPOGRAPHIC SURVEY

DATE:	SURVEYED:	DRAWN:	CHECKED:	APPROVED:
24.09.2024	KP	KP	JS	

SCALE AT A1:	DRAWING NO:	REVISION:
1:250	P25-177	B

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