A0

E 525480 E 525500 E 525520 E 525540 E 525560 E 525580 E 525600 E 525620 E 525640 E 525660 E 525680

N 322240 N 322220 N 322200 N 322180 N 322160 N 322140 N 322120



NOTES

1. SURVEY CONTROL:

A) SURVEY GRID (HORIZONTAL):

THIS SURVEY IS ORIENTATED TO ORDNANCE SURVEY GRID NORTH. THE SURVEY IS TO A PLANE GRID. HORIZONTAL MEASUREMENTS TAKEN FROM THIS SURVEY WILL BE GROUND DISTANCE.

FULL ORDNANCE SURVEY CO-ORDINATES CAN BE CALCULATED BY SCALING THE SURVEY ABOUT THE SURVEY STATION NAMED STN/10, WITH CO-ORDINATES E 525678.31 N 322130.08 AS FOLLOWS:

SHIFT: NOT REQUIRED
SCALE: LSF = 0.99980
ROTATION: NOT REQUIRED.

THE LOCAL SCALE FACTOR (LSF) APPLICABLE TO THIS SITE IS 0.99980, CALCULATED USING STANDARD TABULATED DATA.

THE CONTROL HAS BEEN ESTABLISHED BY TYING INTO THE ACTIVE ORDNANCE SURVEY CONTROL NETWORK. SEE NOTE C. BELOW.

(FOR THIS RELATIVELY LOW LEVEL SITE, MEAN SEA LEVEL CORRECTIONS (MSL) ARE DEEMED TO BE INSIGNIFICANT AND HAVE THEREFORE NOT BEEN APPLIED.)

B) VERTICAL DATUM:

ALTITUDES FOR THE CONTROL HAVE BEEN CALCULATED FROM GNSS DERIVED HEIGHTS AND CONVERTED TO ORTHOMETRIC HEIGHTS (ORDNANCE DATUM NEWLYN - OSN) NEW OS NET USING OSGM15 TRANSFORMATION PARAMETERS.

C) GNSS CONTROL:

THE CO-ORDINATE SYSTEM USED FOR THE PRIMARY CONTROL IS OSGB36. THIS HAS BEEN CALCULATED FROM ETRS89 NEW OS NET USING OSTN15 TRANSFORMATION PARAMETERS.

METHOD: FOR THIS PARTICULAR PROJECT, THE "TRIMBLE VRS NOW" NETWORK RTK SYSTEM HAS BEEN USED. OBSERVATIONS HAVE BEEN TAKEN ON THE FOLLOWING DATE (S):04/09/17
NEW OS NET

MANUFACTURERS QUOTED ACCURACY IS RMSE 10 – 20 mm IN PLAN AND 20 – 30 mm IN HEIGHT. HOWEVER, RESULTS MAY VARY DURING THE DAY AND CERTAIN CONDITIONS COULD CAUSE DEGRADATION TO THE FINAL SOLUTIONS. FOR SALIENT CONTROL AND WHEREVER POSSIBLE AND PRACTICAL, TOWER SURVEYS HAVE USED AN OPEN SKY WITH GOOD SATELLITE GEOMETRY SO AS TO MAINTAIN THE HIGHEST ACCURACY POSSIBLE.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING/DOCUMENTATION.

3. CHECK SCALE BAR AND GRID BEFORE TAKING NON-FIGURED DIMENSIONS FROM THIS DRAWING.

4. IF IN DOUBT ASK.

LEGEND

- 30.29 SPOT LEVEL
- STN/4 SURVEY STATION
- SAPLING
- BUSH/ESH/RUB
- HEDGE/AREA OF UNDERGROWTH
- TREE (INDICATIVE ONLY)
- BUILDING
- CANOPY
- 99.00 CONTOUR
- RETAINING WALL
- BELISHA BEACONING
- GATE
- OVERHEAD CABLE
- FENCE WITH DESCRIPTION

CB	CLOSE BOARDED
CL	CHAIN LINK
CBr	CRASH BARRIER
Hrd	HOARDING
HM	HT AND MISS
PR	POST AND RAIL
PW	POST AND WIRE
PiR	POST AND RAIL
WiM	WIRE MESH

ABBREVIATIONS

B	BOLLARD	BIN	LITTER BIN
BB	BELISHA BEACON	LP	LAMP POST
BS	BUS STOP	LPO	LAMP/POST
C	CABLE TELECOM IC	MPR	MANHOLE
CATV	CABLE TELEVISION IC	MH	MANHOLE
CC	CONTROL CABINET	PB	PILLAR BOX
COL	COLUMN	PC	PC
CTV	CABLE TELEVISION POINT	PM	PARKING METER
CV	CONTROL VALVE	P	POST
DP	DOWN PIPE	RE	ROGGING EYE
EC	ELECTRICITY CABLE	RFRG	ROOF/RIDGE LEVEL
ECB	ELECTRICITY CONTROL BOX	RSP	ROOF/SPIRE PLATE
EIC	ELECTRICITY SUPPLY	RS	ROAD SIGN
EV	EAVES LEVEL	RWP	RAINWATER PIPE
EP	ELECTRICITY POLE	SGY	STRIP GULLY
ER	EARTH ROD	SPB	SIGN POSTBOARD
FFL	FINISHED FLOOR LEVEL	TC	TELE CABLE
FH	FIRE HYDRANT	TAP	WATER TAP
G	GULLY	TCB	TELEPHONE CALL BOX
GV	GAS VALVE	THL	THRESHOLD LEVEL
GP	GATE POST	TL	TRAFFIC LIGHT
IC	INSPECTION COVER	TP	TELEPHONE POLE
KB	KERB	VP	VENT PIPE
KO	KERB OUTLET GULLY	WL	WATER LEVEL
		WM	WATER METER
		WO	WASH OUT

STATION CO-ORDINATES

STATION	EASTING	NORTHING	LEVEL	DESCRIPTION
STN/01	525584.89	322137.47	3.31	SURVEY NAIL
STN/02	525561.40	322175.67	2.99	SURVEY NAIL
STN/03	525505.47	322179.20	3.11	SURVEY NAIL
STN/04	525588.92	322314.08	2.92	PEG AND NAIL
STN/05	525510.78	322322.05	2.92	PEG AND NAIL
STN/10	525678.31	322130.08	3.33	SURVEY NAIL
STN/11	525486.68	322154.29	3.13	SURVEY NAIL

UNLESS OTHERWISE STATED THE SURVEY STATIONS LISTED ABOVE ARE ONLY INTENDED TO BE USED FOR TOPOGRAPHICAL SURVEYS AT THE STATED SCALE.

DUE CONSIDERATION SHOULD BE GIVEN TO LONG-TERM STABILITY OF SURVEY STATION MARKERS.

TREE SCHEDULE

No.	DIAM.	SPREAD Ø	HEIGHT
TE/01	0.30	4	5
TE/02	0.30	6	5
TE/03	0.30	4	5
TE/04	0.20	4	5
TE/05	0.60	12	9
TE/06	0.40	8	6
TE/07	0.20	8	6

TREE NOTES:

A) MB "X" NO – MULTIPLE BOLES FOLLOWED BY NUMBER OF
B) DIAM – DIAMETER MEASURED AT APPROXIMATELY 1.5M ABOVE GROUND LEVEL
C) SPREAD – APPROXIMATE CANOPY SPREAD IN METRES. THESE FIGURES ARE REPRESENTATIVE OF THE GENERALISED CANOPY SIZE, AND MAY NOT REPRESENT THE TRUE CANOPY POSITION AS OUTLINED ON SITE – TREE BOLES MAY NOT SIT CENTRALLY TO THE CANOPY.)
D) HEIGHT – APPROXIMATE HEIGHT TO TOP OF CANOPY – ESTIMATED FROM GROUND LEVEL
E) ATTENTION SHOULD BE PAID TO THE ORIGONAL TOPOGRAPHICAL BRIEF AS TO WHAT TREES HAVE ACTUALLY BEEN SCHEDULED. I.E. THOSE 'TREES LARGER THAN DIAMETER 'X' ON 'ONLY TREES WITHIN THE IMMEDIATE SURVEY LIMITS' (THIS IS NORMALLY THE CASE UNLESS OTHERWISE SPECIFIED AS INCLUDING 'OFF SITE' TREES).

GENERAL

- NO ALLOWANCE HAS BEEN MADE FOR SUB SURFACE ENTRY INTO MANHOLES OR OTHER CHAMBERS OF VOIDS BELOW GROUND LEVEL, THEREFORE ANY DETAILS RELATING TO DEPTHS, SIZES ETC. ARE TAKEN FROM ABOVE GROUND AND AS SUCH WILL BE APPROXIMATE ONLY.
- THE CONTRACTOR IS TO CHECK AND VERIFY ALL CRITICAL DIMENSIONS AND LEVELS BEFORE WORK STARTS.
- BURIED SERVICES SHOWN ON THIS DRAWING MAY BE ASSUMED ROUTES AND WILL NORMALLY BE OF UNKNOWN CONDITION. CONTRACTORS SHOULD UNDERTAKE SUITABLE VALIDATION PROCEDURES AND EXERCISE DUE CARE DURING EXCAVATION WORK. SAFE DIGGING PRACTICES SHOULD BE FOLLOWED.
- SHOULD THERE BE ANY CONFLICT BETWEEN THE DETAILS INDICATED ON THIS DRAWING AND ANY OTHER SURVEY OR SETTING OUT DRAWINGS, THEN TOWER SURVEYS SHOULD BE INFORMED PRIOR TO CONSTRUCTION ON SITE.
- IT IS IMPORTANT TO NOTE THAT THE SAME ACCURACIES IMPLIED BY THE PLOTTING SCALE CANNOT BE ASSUMED FOR THE DIGITAL DATA HELD ON THE CAD FILE.
- EVERY EFFORT IS MADE TO IDENTIFY ALL VISIBLE ABOVE GROUND FEATURES. HOWEVER, IT SHOULD BE BORNE IN MIND THAT THERE MAY BE ITEMS OBSCURED AT THE TIME OF SURVEY.
- VISIBLE FEATURES IN THE VICINITY OF THE BOUNDARIES, AS SHOWN ON THIS SURVEY, MAY NOT REPRESENT THE EXTENT OF LEGALLY CONVEYED OWNERSHIP.
- THE DRAWING REPRESENTS A TRUE PLAN VIEW OF THE SURVEY DETAILS OBTAINED. LINES OR HATCHING ARE INDICATIVE ONLY, SUCH AS; ROAD MARKINGS, HEDGE CENTRELINES, BRICK HATCHING AND GLAZING DETAIL.

DESCRIPTION	REV	DATE	DRWN	CHKD	APPR

DRAWING STATUS

INFORMATION

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CLIENT

MACE

PROJECT TITLE

SPALDING POST 16 ESFA FSP
SPALDING

DRAWING DETAIL

TOPOGRAPHICAL SURVEY AS OF 04/09/17

DRAWN	KD	DATE	SEPTEMBER 2017
PROJECT ENGINEER	NJD		
CHECKED	MJ	SCALE	1:200 (WHEN PLOTTED @ A0)
APPROVED	NJD		

DRAWING NUMBER: R-15450/201

REVISION:

CAD REFERENCE: \\2017Projects\R-15450\R-15450_201_Issue01

CTB REFERENCE: \\CTB-files\TS-Topo-v01.ctb

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