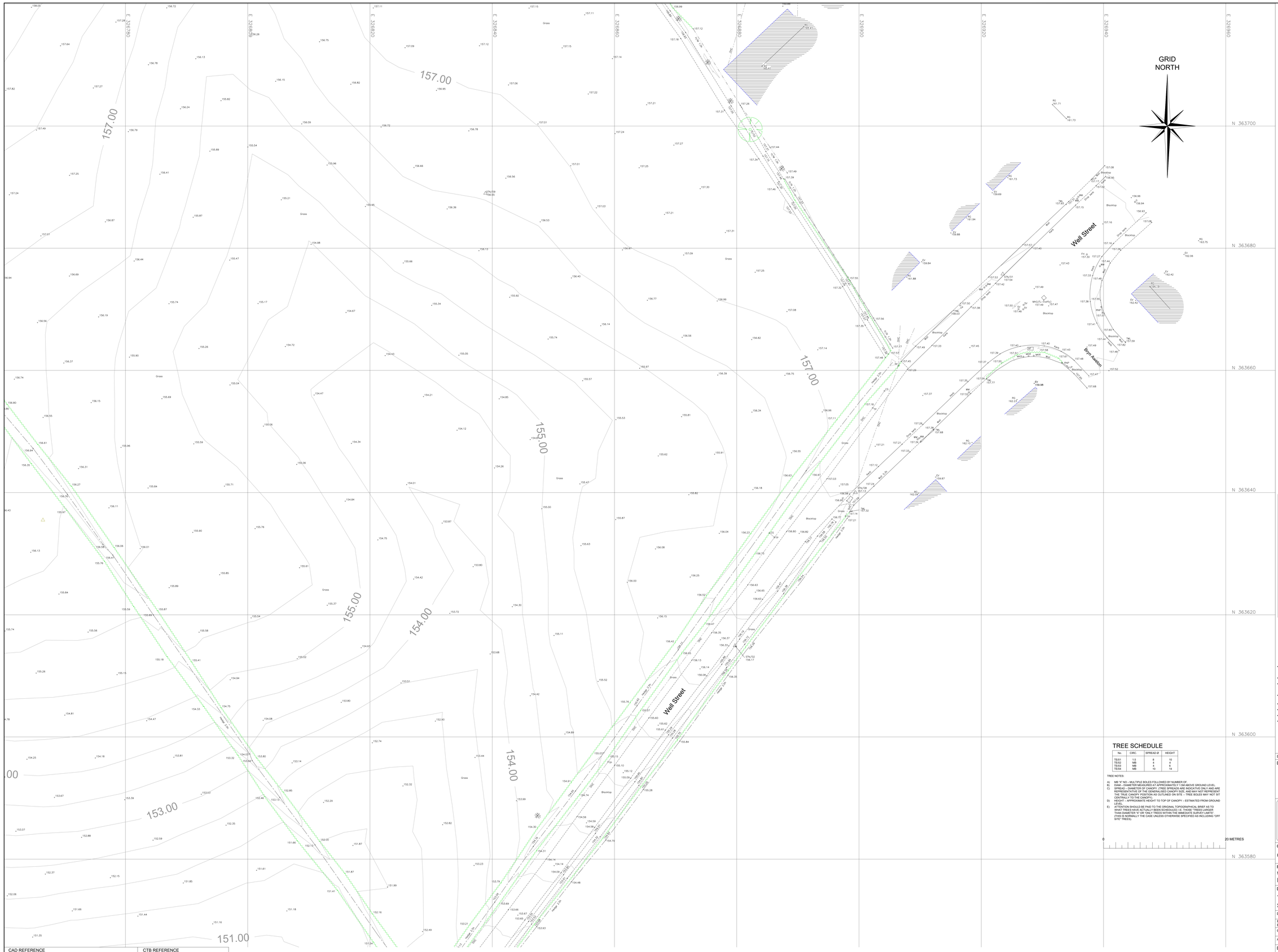


NOTES

A0

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 SITE CENTRE, WITH CO-ORDINATES E 326765.500 N 363835.500 AS FOLLOWS:

SHIFT : NOT REQUIRED
SCALE : LSF = 0.99967
ROTATION: NOT REQUIRED.

THE LOCAL SCALE FACTOR (LSF) APPLICABLE TO THIS SITE IS 0.99967, 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 GPS DERIVED HEIGHTS AND CONVERTED TO ORTHOMETRIC HEIGHTS (ORDNANCE DATUM NEWLYN - ODN) USING OSGM02 TRANSFORMATION PARAMETERS.

C) GPS CONTROL:

THE CO-ORDINATE SYSTEM USED FOR THE PRIMARY CONTROL IS OSGB36. THIS HAS BEEN CALCULATED FROM ETRS89 USING OSTN02 TRANSFORMATION PARAMETERS.

METHOD: FOR THIS PARTICULAR PROJECT, THE "TRIMBLE VRS NOW" NETWORK HAS BEEN USED. OBSERVATIONS HAVE BEEN TAKEN ON THE FOLLOWING DATE (S):03/05/16

MANUFACTURERS QUOTED ACCURACY IS INSE 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 VIEW TO 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

- SPOT LEVEL
- SURVEY STATION
- SAPLING
- BUSH/SHRUB
- HEDGE/AREA OF UNDERGROWTH
- TREE (INDICATIVE ONLY)
- BUILDING
- CONTOUR
- RETAINING WALL
- BANKING
- GATE
- OVERHEAD CABLE
- FENCE WITH DESCRIPTION

C/B	CLOSE BOARDED
CL	CHAIN LINK
H/M	HIT AND MISS
I/R	IRON RAILING
P/W	POST AND WIRE
P/R	POST AND RAIL
P/S	POST AND STRING
W/M	WIRE MESH

ABBREVIATIONS

AVR	APEX ROOF LEVEL	LB	LITTER BIN
B	BOLLARD	LP	LAMP POST
BB	BELISHA BEACON	MKR	MARKER POST
BL	BED LEVEL	MH	MANHOLE
BNP	BENCH MARK PATH	MH/C	MANHOLE-CIRCULAR
BP	BOUNDARY POST	MH/S	MANHOLE-SQUARE
BS	BUS STOP	MH/T	MANHOLE-TRIANGULAR
BT	BRITISH TELECOM IC	MP	MILE POST
CATV	CABLE TELEVISION IC	PB	PILLAR BOX
CB	CATCH BASIN/PIT	PC	PHONE
CL	COVER LEVEL	PM	PARKING METER
COL	COLUMN	P	POST
CPL	CADWN LEVEL	PYL	ELECTRIC PYLON
CT	CABLE TELEVISION POINT	RE	RODDING EYE
CV	CONVER'B	RF/RG	ROOF/RIDGE LEVEL
DRN	DRAIN	RNP	ROAD NAME PLATE
DWP	DOWN WATER PIPE	RS	ROAD SIGN
E	ELECTRIC IC	RWP	RAIN WATER PIPE
EC	ELECTRICITY CONTROL BOX	SC	STOP COCK
ECB	ELECTRICITY CABLE	SFL	SOFFIT LEVEL
EV	EAVES LEVEL	SGY	STRIP GULLY
EP	ELECTRICITY POLE	SP/B	SIGN POSTBOARD
FB	FIRE BELL	SP	SIGN POST
FFL	FINISHED FLOOR LEVEL	SV	STOP VALVE
FH	FIRE HYDRANT	SW	STORM WATER
FL	FLOOD LIGHT	TAP	WATER TAP
FW	FOUL WATER	TCB	TELEPHONE CALL BOX
G	GULLY	TEL	TELEPHONE IC
GV	GAS VALVE	TL	TRAFFIC LIGHT
GP	GATE POST	TOF	TOP OF FENCE
IC	INSPECTION COVER	TP	TELEPHONE POLE
IL	INVERT LEVEL	TWL	TOP OF WALL
IC/M	INSPECTION INSPECTION COVER	VP	VENT PIPE/ SHAFT
KB	KERB	WL	WATER LEVEL
K/O	KERB OUTLET GULLY	WM	WATER METER
		WO	WASH OUT

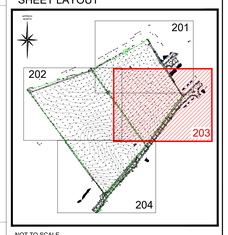
STATION CO-ORDINATES

STATION	EASTING	NORTHING	LEVEL	DESCRIPTION
STN01	326923.51	363675.77	157.54	SURVEY NAIL
STN02	326879.72	363614.95	156.17	PEG AND NAIL
STN03	326807.14	363528.41	151.15	PEG AND NAIL
STN04	326836.82	363563.82	153.22	SURVEY NAIL
STN05	326854.39	363543.94	154.77	SURVEY NAIL
STN06	326864.59	363743.94	156.77	SURVEY NAIL
STN07	326918.45	363776.25	156.46	SURVEY NAIL
STN08	326899.44	363640.00	157.13	SURVEY NAIL
STN09	326838.90	363688.99	156.55	PEG AND 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.

SHEET LAYOUT



NOT TO SCALE

GENERAL

- NO ALLOWANCE HAS BEEN MADE FOR SUB SURFACE ENTRY INTO MANHOLES OR OTHER CHAMBERS OR 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 A COMBINATION OF RECORDED INFORMATION AND SURFACE EVIDENCE. PRIOR TO STARTING WORK AND TAKE PARTICULAR CARE DURING EXCAVATION WORK. SAFE DIGGING PRACTICES SHOULD BE FOLLOWED.
- IF THERE ARE ANY CONFLICT BETWEEN THE DETAILS INDICATED ON THIS DRAWING AND THOSE INDICATED ON OTHER 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 ARE EQUALLY APPLICABLE TO DIGITAL DATA SUPPLIED FOR CAD.
- THE SURVEY HAS BEEN TAKEN TO SHOW THE GENERAL LAYOUT OF 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 BE USED TO ASSIST THE ACCURATE RE-ESTABLISHMENT OF BOUNDARIES.
- UNLESS OTHERWISE SPECIFIED FEATURES SHOWN USING LINE, STYLES OR HATCHING ARE INDICATIVE ONLY, SUCH AS: ROAD MARKINGS, HEDGE CENTRELINES, BRICK HATCHING AND GLAZING DETAIL.

TREE SCHEDULE

No.	CIRC.	SPREAD Ø	HEIGHT
TE01	1.5	8	10
TE02	MB	4	4
TE03	MB	6	6
TE04	MB	10	14

TREE NOTES:

A) MB "X" NO – MULTIPLE BOLES FOLLOWED BY NUMBER OF.
B) GIRA – DIAMETER MEASURED AT APPROXIMATELY 1.5M ABOVE GROUND LEVEL.
C) SPREAD – DIAMETER OF CANOPY. (TREE SPREADS ARE INDICATIVE ONLY AND ARE REPRESENTATIVE OF THE GENERALISED CANOPY SIZE, AND MAY NOT REPRESENT THE TRUE CANOPY POSITION AS OUTLINED ON SITE – TREE BOLES MAY NOT SIT WITHIN 1 Y TO THE CANOPY)
D) HEIGHT – APPROXIMATE HEIGHT TO TOP OF CANOPY – ESTIMATED FROM GROUND LEVEL.
E) ATTENTION SHOULD BE PAID TO THE ORIGINAL TOPOGRAPHICAL BRIEF AS TO WHAT TREES HAVE ACTUALLY BEEN SCHEDULED: IE. THOSE TREES LARGER THAN SPECIFIED IN "X" OR "GIRA" TREES WITHIN THE IMMEDIATE SURVEY LIMITS" (THIS IS NORMALLY THE CASE UNLESS OTHERWISE SPECIFIED AS INCLUDING "OFF SITE" TREES).

DESCRIPTION	REV	DATE	DRWN	CHKD	APPR

DRAWING STATUS

INFORMATION

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CLIENT

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PROJECT TITLE

WELL STREET, BUCKLEY
FLINTSHIRE

DRAWING DETAIL

TOPOGRAPHICAL SURVEY AS OF 04/05/16
SHEET 3 OF 4

DRAWN	DT	DATE	MAY 2016
PROJECT ENGINEER	PV		
CHECKED	ML	SCALE	1 : 200 (WHEN PLOTTED @ A0)
APPROVED	AC		

DRAWING NUMBER	REVISION
R-11799/203	

CAD REFERENCE
\\2016Projects\R-11799\R-11799_201-204_Issue01

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

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