

NOTES

- SURVEY CONTROL:**
 - 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 GRID DISTANCE.
 - LOCAL SCALE FACTOR (S.F.) APPLICABLE TO THIS SITE IS 0.99994, CALCULATED USING STANDARD TABULATED DATA.**
 - 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.)**
- VERTICAL DATUM:**
ALTITUDES FOR THE CONTROL HAVE BEEN CALCULATED FROM GPS DERIVED HEIGHTS AND CONVERTED TO ORTHOMETRIC HEIGHTS (ORDNANCE DATUM NEWLYN-00N) USING OSGM02 TRANSFORMATION PARAMETERS.
- GPS CONTROL:**
THE CO-ORDINATE SYSTEM USED FOR THE PRIMARY CONTROL IS OSGM02; THIS HAS BEEN CALCULATED FROM ETR099 USING OSGM02 TRANSFORMATION PARAMETERS. OBSERVATIONS HAVE BEEN TAKEN ON THE FOLLOWING DATE (S) - 01-10-2014
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS/DOCUMENTATION.**
- CHECK SCALE BAR AND GRID BEFORE TAKING NON-FIGURED DIMENSIONS FROM THIS DRAWING.**
- IF IN DOUBT ASK.**

LEGEND

- SPOT LEVEL
- STATION SURVEY STATION
- SAMPLING
- BUSHES/SHRUB
- HEXAGONAL OF UNDERGROUND
- TREE (INDICATIVE ONLY)
- BUILDING
- CANOPY
- RETAINING WALL
- BANKING
- GATE
- OVERHEAD CABLE
- FENCE WITH DESCRIPTION
- C/B CLOSE BOARDED
- IR IRON RAILING
- P/W POST AND WIRE
- PR POST AND RAIL

ABBREVIATIONS

- COL COLUMN
- CONC CONCRETE
- DP DOWN PIPE
- EV EARTH LEVEL
- ER EARTH ROAD
- G GULLY
- GP GATE POST
- LP LAMP POST
- MH MANHOLE
- P POST
- R/R/R/R ROADSIDE LEVEL
- R/WP RAW WATER PIPE
- TH THRESHOLD LEVEL
- TP TELEPHONE POLE
- TM TOP OF MALL
- WM WATER METER

STATION CO-ORDINATES

STATION	EASTING	NORTHING	LEVEL	DESCRIPTION
STN1	539384.25	170084.82	44.12	SURVEY NAIL
STN2	539388.22	170078.21	43.98	SURVEY NAIL
STN3	539376.27	170100.87	44.29	SURVEY NAIL
STN4	539414.20	170084.65	46.52	SURVEY NAIL
STN5	539421.93	170090.67	49.24	SURVEY NAIL
STN6	539416.08	170085.15	46.52	SURVEY NAIL
STN7	539442.20	170095.37	52.96	SURVEY NAIL
STN8	539447.54	170100.41	55.18	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.

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 OF UNKNOWN CONDITION. CONTRACTORS SHOULD UNDERTAKE SUITABLE VALIDATION WORK AND TAKE PARTICULAR CARE DURING EXCAVATION WORK. SAFE DIGGING PRACTICES SHOULD BE FOLLOWED.
- IF THERE IS 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.
- EVERY EFFORT IS MADE TO IDENTIFY ALL VISIBLE ABOVE GROUND FEATURES. HOWEVER, IT SHOULD BE BORNE IN MIND THAT THERE MAY BE ITEMS OBSERVED 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.

DESCRIPTION	REV	DATE	DRWN	CHKD	APPR
DRAWING STATUS					

INFORMATION

Tower Surveys Ltd
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Regulated by RICS

CLIENT

ARCHITECT ZONE

PROJECT TITLE
**74 MADEIRA AVENUE
 BROMLEY**

DRAWING DETAIL

TOPOGRAPHICAL SURVEY AS OF 01/10/2014

DRAWN	MJ	DATE	OCTOBER 2014
PROJECT ENGINEER	NJD	SCALE	1:200 (WHEN PLOTTED @ A1)
CHECKED	AC	DRAWING NUMBER	R-10279/201
APPROVED	AC	REVISION	

TREE SCHEDULE

No.	DIAM.	SPREAD Ø	HEIGHT
TE01	0.15	3	2
TE02	0.20	6	5
TE03	0.10	3	1.5
TE04	MB	14	14
TE05	MB	6	6
TE06	MB	6	6
TE07	0.40	16	16
TE08	0.25	4	4
TE09	0.40	12	14
TE10	MB	4	12
TE11	MB	6	6
TE12	0.15	4	8
TE13	0.15	4	6
TE14	MB	6	8
TE15	0.20	6	8
TE16	MB	6	6
TE17	0.30	6	8
TE18	0.10	4	6
TE19	0.40	6	6
TE20	0.80	16	16
TE21	0.30	10	10
TE22	0.25	6	6
TE23	0.30	4	6
TE24	0.40	12	12

TREE NOTES:

- MB "X" NO - MULTIPLE BOLES FOLLOWED BY NUMBER OF DIAM - DIAMETER MEASURED AT APPROXIMATELY 1.2M ABOVE GROUND LEVEL.
- 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 SET CENTRALLY TO THE CANOPY.)
- HEIGHT - APPROXIMATE HEIGHT TO TOP OF CANOPY - ESTIMATED FROM GROUND LEVEL.
- ATTENTION SHOULD BE PAID TO THE ORIGINAL TOPOGRAPHICAL BRIEF AS TO WHAT TREES HAVE ACTUALLY BEEN SCHEDULED, I.E. THOSE "TREES LARGER THAN DIAMETER 'X' OR ONLY TREES WITHIN THE IMMEDIATE SURVEY LIMITS" (THIS IS NORMALLY THE CASE UNLESS OTHERWISE SPECIFIED AS INCLUDING "OFF SITE" TREES).

