

First Point Surveys Ltd. – Standard Topographical Specification

Surveys are normally measured relative to Ordnance Survey Grid & Datum (OSGB1936-OSGM15) using RTK GNSS.

Building Positions (taken at approx 1.5m above ground level, levels taken to ground)

Kerbs (channel levels shown, a level on top of kerb can also be specified)

Back of Footpath (levels shown)

Crown Levels (centre levels along roadways – this is only measured where safe to do so without Traffic Management-TM)

Fences (types noted, ground levels shown)

Walls (type/construction noted, ground levels shown)

Hedges (centre lines measured, widths and ground levels shown)

Trees (above 150mm - centre of trunk at 1.5m above ground positioned, average canopy diameter shown unless otherwise specified)

Bushes (centre positioned, average diameter shown)

Manholes (shape, size and rotation measured, centre cover level shown)

Inspection Covers (shape, size and rotation measured, centre cover level shown)

Drainage Gully (shape, size and rotation measured, centre cover level shown)

Water Stop Valves (shape, size and rotation measured, centre cover level shown)

Drainage Channels (actual positions shown, cover levels shown at intervals along its length)

Surface Levels (taken at regular intervals to depict ground form, interval dependant of survey scale)

Surface Type (notes regarding surface types such as Concrete, Grass etc. shown)

Telecom Inspection Covers (shape, size and rotation measured, centre cover level shown)

Control Boxes (actual shape, size etc. measured, ground levels shown)

Drainage Rodding Points (symbol only, centre cover level measured)

Lamp Posts (Centre position measured at approx 1.5m above ground)

Traffic Lights (Centre position measured at approx 1.5m above ground)

Telegraph Poles (Centre position measured at approx 1.5m above ground)

Seating (size & position measured, ground levels shown)

Gas Stop Valves (symbol shown, centre cover level measured)

Fire Hydrants (shape, size and rotation measured, centre cover level shown)

Water Orifice (symbol shown, centre cover level measured)

CATV Covers (symbol shown, centre cover level measured)

CCTV Covers (symbol shown, centre cover level measured)

Overhead Wires (type and positions measured, no levels unless specified)

Survey Control Stations (easting, northing, level and type shown)

Vegetation (extents shown, ground levels shown around circumference)

Banking (top and bottom of any banking is positioned, ground levels shown on both)

Notice Boards (centre of posts positioned, boards positioned, ground levels measured)

Road Signs (positioned & ground levels measured)

Traffic Signs (positioned & ground levels measured)

Bollards (positioned inc. type & ground levels measured)

Road Names (noted on drawing at appropriate intervals)

Water Courses (edges positioned inc. ground levels & direction of flow inc. bed levels if possible)

Water Levels (dated and taken at rivers, ponds, lakes and all other water features)

Drop Kerbs (start & finish of drop section inc. ground (channel) levels – top of kerb levels if specified)

Tactile Paving (edges positioned inc. ground levels & type)

Pedestrian Crossings (type, size and ground levels)

Changes in Surface Type (edges & ground levels shown)

Overhead Tree Canopy (edges & ground levels measured)

Overhead Canopy (buildings) (edges shown, no levels unless specified)

Building Names or Numbers (noted on drawing using Ordnance Survey Data)

Footpaths (both edges positioned inc. ground levels)

Steps (every step positioned, top and bottom ground levels shown & direction noted)

Car Parking (all spaces normally positioned, types (disabled etc.) noted and ground levels shown)

Traffic Calming (speed bumps etc. positioned, ground levels shown)

Traffic Islands (positioned inc. all details like bollards etc. - ground levels shown)

Gate Details (centre of posts positioned, gate types noted, ground levels shown)

Bins (positioned, ground levels measured)

Telephone Call Boxes' (positioned with ground levels shown)

Electricity Poles (positioned at approx 1.5m above ground, ground levels measured)

Electricity Pylons (positioned with ground levels shown)

Mobile Telecom Masts (positioned with ground levels shown)

General Street Furniture (positioned inc. ground levels and descriptive general text)

Bus Stops (centre of post at approx 1.5m above ground positioned, ground level measured)

Post Box (positioned 1.5m above ground, ground level normally measured)

Landscaping Details e.g. planting borders etc. (positioned with ground levels shown)

The following details can be specified in addition to the above:-

- Building Eaves & Ridge heights
- Boundary heights
- Tree heights
- Accurate tree canopies, measured in 4 directions from the trunk
- Pylon or cable heights
- Underside levels to canopies
- Road Markings
- Top of kerb levels and kerb widths
- Drainage invert levels & pipe sizes
- Tree tag numbers i.e. TPO numbers
- More.....as long as an object is bigger than a few millimetres we can measure it

Notes: -

- Any of the above standard details may be removed from the survey specification if they are not required thereby minimising survey time and cost.
- During a standard topographical survey, we identify service covers by their general appearance and do not lift them to confirm what lies beneath.
- Utility company records can be obtained and overlaid with survey drawings to aid design work.