

TOPOGRAPHIC SURVEY SPECIFICATION



FINDLAY SURVEYS

Land & Engineering Surveying



1. General

- 1.1. If no date is specified Findlay Surveys will provide the expected completion date.
- 1.2. If there is no limitation on site access the surveyor shall make no special arrangements to obtain access.
- 1.3. All data remains the property of Findlay Surveys until full payment of the invoice.

2. Control

- 2.1. All surveys will be provided to a local grid.
- 2.2. The maximum horizontal error between control stations shall be 1 in 20000, or ± 10 mm for shorter distances.
- 2.3. Levels will be to a local datum unless otherwise specified.
- 2.4. The level control will be determined by trigonometrical reciprocal levelling, unless requested otherwise. The maximum error between any 2 stations shall be less than ± 5 mm or $\pm 12 \sqrt{k}$ mm where k is the distance in km between stations, whichever is greater.

3. Detail

- 3.1. The area and extent is assumed to be that shown on any plan provided. Where an area is marked indicatively, the boundaries will be taken to the ground features that appear to define the extent.
- 3.2. All utility cover levels will be surveyed. Invert levels will not be taken unless requested.
- 3.3. Road centreline where it is safe without traffic closure, kerb channel and kerb top will be surveyed.
- 3.4. Surface changes will be noted.
- 3.5. Boundary features at base will be surveyed with type & height noted.
- 3.6. Buildings at base will be surveyed.
- 3.7. Major overhead features will be surveyed.
- 3.8. Trees with indicative spreads (heights if required) will be surveyed.
- 3.9. Areas that cannot be surveyed without clearing will be noted.
- 3.10. No underground information will be surveyed other than surface evidence.
- 3.11. Level information will be provided at a maximum spacing of 20 m. Sufficient levels shall be surveyed such that the ground configuration including all discontinuities is represented on the survey plan. Survey levels of hard surfaces shall be ± 10 mm rmse, elsewhere ± 50 mm rmse except on ploughed or otherwise broken surfaces.

4. Drawings

- 4.1. The drawing will be supplied as a contoured AutoCAD compatible electronic copy unless requested otherwise.
- 4.2. If requested a hard copy of the survey will accompany the invoice.