

## ITEMS TO BE SURVEYED

### ANNEX A

#### Planimetric Features

This annex indicates the features which are usually shown at the various scales of 1:500, 1:200, 1:100 and 1:50.

At each increase in scale, more details can be shown and more detail can be plotted to true scale instead of conventionally. As a general rule those features whose plotted size is less than 1mm on the plan will be shown conventionally, if at all.

ONLY THE ITEMS TICKED WILL BE SURVEYED

\*. Features are shown only at 1:200 scales and above.

\*\* . Features are shown only a 1:100 scale and above.

#### 1 Permanent Building/Structures

	Bridge over, bridge under
	Buildings detailed at plinth line
	Foundations
	Overhead features, canopies, porches etc
	Ramps, loading bays
	Ruins
	Step: steps generalised (**) steps individual
	Structures detailed at plinth line
	Threshold levels
	(*) Gullies
	(*) Rain water down pipes
	(*) Rodding eye
	(**) Waste pipes

#### 2 Temporary/mobile buildings

	Garden sheds, greenhouses
	Mobile buildings
	Overhead features, canopies, porches etc
	Temporary buildings or structures

#### 3 Visible boundary features – walls, fences, hedges

	Fences: with type, with height
	Gate (*) direction of opening shown
	Hedges, conventionalised below 0.5m width (**) to scale
	Walls: with type, with height, piers generalised, wall single line below 0.25m width
	(*) Walls, piers surveyed, wall single line below 0.11m width
	(**) Walls, piers and widths fully surveyed

#### 4 Roads, tracks, footways, paths

	Channel line – road
	Centre line – road
	Camber line on roundabouts
	Carriageway edge
	Drop kerbs
	Top of kerb
	Crash barriers
	Gullies, kerb outlets
	Pedestrian barriers
	Pedestrian crossings
	Road markings, e.g. giveaway, crossing limits, parking bays, lane lines etc
	Speed bumps
	Traffic islands (*) details
	Other road features, e.g. vehicle sensors
	Back edge of footway
	Paving pattern details
	Unmade tracks and paths, centre only (*) sides

#### 5 Street Furniture

	Belisha Beacons
	Barriers
	Bollards
	Bus stops, bus shelters
	Control boxes
	Hoardings
	Lamp posts
	Letter (post) boxes
	Mile posts
	Notice boards
	Posts
	Road signs
	Street name plates (***) wall mounted
	Ticket machines
	Traffic signals
	Troughs
	Vent pipes
	(*) Drainage channels
	(*) Cellar hatches and pavement lights
	(*) Coal holes
	(*) Cycle racks
	(*) Litter bins
	(*) Reflector posts
	(*) Salt/grit bins
	(*) Seats
	Other (specify)
	Subways

## 6 Statutory Authorities' plant and service covers where visible

	Air valves
	(**) Cable TV house points
	Cable TV inspection covers
	Cabinets (identified)
	Electric covers
	Electric poles
	Fire hydrants (*) shown to scale
	Gas/water stop valves and stop cocks (cover)
	Inspection covers with level
	Lamp holes
	Marker posts
	Overhead wires (*) building connections to be shown
	(*) Pole stay wires
	Surveillance cameras
	Telecommunications inspection covers
	Telegraph poles
	Telephone call boxes
	(*) Water meter or gas meter covers (distinguished from valve)

## 7 Changes of surface

✓	Hard Surfaces		Soft Surfaces
	Brick		Cultivated
	Concrete		Grassed
	Metalled		(*) Grass, maintained area
	Paving		Planted
	Sets		Rough ground
	Other (specify)		Other (specify)

## 8 Isolated trees, wooded areas, limits of vegetation

	Bushes/shrubs over 2m diameter
	Isolated trees above 0.15m trunk diameter (**) above 0.1m (.1 dia)
	Ornamental/road side trees (**) planting box shown
	(**) Staked saplings (individual)
	Areas of saplings/young trees
	Edge of vegetation
	Woodlands perimeter trees/tree canopy only
	Tree/bush details required on the drawing or on schedule
	Height ..... estimated
	Height ..... measured
	Spread ..... (canopy diameter)
	Trunk diameter/circumference/(girth) at 1.2m above ground
	Species
	Other special requirements

## 9 Pitches/recreation

	Pitch/playground limits only
	(*) Pitch markings, goal posts
	(*) Playground apparatus

## 10 Private gardens or grounds (off-site areas)

This section relates to areas outside the main site.

	Building, surveyed in details
	Buildings, generalised
	Inspection covers in domestic property
	(*) Door openings
	(*) Garden paths, patios, retaining walls
	Other (specify)

## 11 Water features

Water features surveyed in outline only (\*) surveyed in detail

	Fountain
	Groynes/sea defences
	Harbour wall, breakwater
	High water mark
	Landing stage
	Lock, perimeter and gates
	Low water mark
	Mooring posts
	Navigation beacons
	Outfall pipes
	Pier, jetty
	Pond/lake
	Pond/lake, top of bank
	Pond/lake, water level
	Pond/lake, bed level
	Pumps
	River, top of bank
	River, bottom of bank
	River, water level
	River, direction of flow
	River, bed level
	Shore line detail exposed at low tide
	Streams and ditches, top of bank
	Streams and ditches, bottom of bank
	Streams and ditches, water level
	Streams and ditches, direction of flow
	Streams and ditches, bed level
	Weirs/waterfalls, indicative features surveyed from the bank

## 12 Earth works

	Bank bottom
	Bank top
	Mounds, spoil heaps
	Quarries, pits and mineral workings (limit only)
	Quarries, pits and mineral workings, detailed survey
	Retaining wall, base
	Retaining wall, top
	Sloping masonry, bottom
	Sloping masonry, top
	Terraces
	Other (specify)
	Subways

## 13 Industrial features

	Aerial
	Cable ducks (specify detail required)
	Chimneys
	Chimneys (with height) (specify)
	Electric sub stations or transformers (perimeter fence only)
	Filter beds, limits only
	Flagstaffs
	Inspection pits
	Overhead pipes/cables (*) height required
	Pipe work or ducts (specify details required)
	Overhead line tower/freestanding mast or pylon, bases shown
	(**) Overhead line tower, freestanding mast or pylon, bases shown
	Tanks/storage chambers individually surveyed
	Tanks by bund walls or perimeter only
	(*) Flood lights
	(*) Water taps/Stand pipes/Troughs
	(**) Earth rods
	Other (specify)

## 14 Railway features (with arranged access)

	Ballast shoulder
	Buffers/stop blocks
	Cabinets, switch boxes
	Cable ducts
	Catchpits
	Cess limits
	Electrified rails (indicative only)
	Gantries
	Height gauges
	Huts
	Mile posts
	Platform furniture (specify)
	Platforms
	Points and crossovers
	Power masts
	Rails (gauge faces)
	Refuges
	Signals
	Signal boxes
	Signs
	Telephones
	TV monitors/cameras
	(* Gradient posts
	(* Great points
	(* Grit bins
	(* Point rods (symbolised)
	(* Track (distance) markers
	(**) Check rail (on curves or bridges)
	(**) Non ducted cables
	(**) Point box/lever

## **ANNEX B**

### **Additional Spot Levels**

#### **Underground Services**

The following tables specify the features and the level of information required.

ONLY THE ITEMS INDICATION WITH A TICK WILL BE SURVEYED

#### **1 Drainage (surface and foul)**

	Main drainage only
	All drainage, including minor connections
	Cover levels
	Invert levels, including drop pipes
	Pipe sizes
	Direction of flow
	Cesspits, septic tanks, interceptors (identify only)
	Pumping stations and pumping mains

#### **2 Water**

	Pipe sizes
	Approximate depth
	Minor connections to buildings, standpipes, etc
	Water tower and storage tank capacities
	Pipe material

#### **3 Gas**

	Pipe sizes
	Approximate depth
	Storage tanks - outline and capacity
	Pipe material

#### **4 Electricity**

	Cable voltage: low or high
	Approximate depth

#### **5 Telecommunications**

	Number and sizes of duct
	Approximate depth
	Identification of ownership

**6 Other services**

	Heating (including ducts, cover and sump levels)
	Fuel pipelines
	Salt water mains
	Chilled water
	Steam
	Oxy-acetylene
	Propane
	Public address systems
	Alarm systems
	Computer cabling
	Compressed air
	Radio and TV relay cables and plant
	Other (specify)
	Pipe sizes, where applicable
	Approximate depth

**7 Other underground utility features**

	Service tunnels or ducts
	Reservoirs – outline and capacity
	Storage tanks – outline, capacity and content
	Other (specify)



## ANNEX C

### Internal Building Survey

This is to use the same co-ordinates/datum as noted on topographical survey, to be in the same format and to contain:

	Levels generally every 5m and mid way along all ways and central to all doorways
	Spot levels to all internal manhole covers
	Levels at base, half landing and landing of all staircases, to include dimensions and number of treads/risers
	Locations and levels of all window cills, heads and the like. Locations and widths of all doorways and other such openings
	Setting out of all internal walls located back to a set of control co-ordinates
	Clear description as to an finishes that these dimensions are taken to/from
	All floor to ceiling heights, again, with description of where the dimensions are taken from/to
	Dimensions of all ceiling voids if accessible
	Location of all primary structural columns and beams if accessible. Sizes to be included
	Locations and sizes of all lift shafts. To include pit sizes and depths
	Locations and sizes/ levels of all ramps
	Wall/ceiling/floor construction where accessible

## ANNEX D

### Presentation of Final Plans

#### 1 Plan Presentation

Surveyed information shall be presented on drawings and overlays in the following manner:

Feature	On detail sheet	As separate full-tone sheet	In full-tone on half-tone detail sheet	As an overlay
Levels				
Contours				
Trees				
Foul drainage				
Storm drainage				
Water				
Gas				
Electricity				
Telecommunications				
Other (specify)				

#### 2 Grouping of Services

	All services information on same drawing
	Services grouped on drawings (specify groupings)
	Each service on a separate drawing
	Drainage shown on a separate drawing
	Other (specify)

#### 3 Schedules

	Building schedule giving number, construction, use and floors
	Inspection chamber schedule
	Trees, giving girth, spread, height, species
	Survey report