



XYZ SURVEYING SERVICES. Ground Penetrating Radar Disclaimer

The survey aims to map all existing utilities and sub surface structures and provide information with respect to pipe size, material type and drainage connectivity. However GPR surveying is limited by the following guidelines and it may not be possible to accurately survey, define and locate all services and sub surface features.

* Locational accuracy is determined by referring to the manufacturers guidelines for the detectors used.

* Existing record information showing underground services is often incomplete and unknown accuracy, therefore it should be regarded only as an indication.

* In ideal conditions these spatial accuracies for the underground utilities located and mapped are +/- 0.5% for the RFL4000 and +/- 0.7% of depth for the GPR system. However variations within the subsurface may alter this estimated accuracy.

* Although all reasonable steps have been taken to locate all features, there is no guarantee that all will be shown on the drawing as some above ground features may have obstructed the survey.

* GPR surveying operates best within high resistivity material. Clay overburden can impair GPR surveying.

* No guarantee can be given that all services have been shown.

* Due to the attenuation of the radar signal with depth, resolution is restricted, hence making identification of anomalies difficult with increasing depth.

* The depth penetration and quality of the data depends on the ground conditions on site. Poor data may be a result of areas with high conductivity. Also high reflective materials close to the surface i.e. rebar may hide deeper anomalies.

* It is not always possible to trace the entire length of each underground service.

* It is always our intention to use the utility providers details, if supplied prior to survey commencement, as a guide for location purposes. However, should we not be able to locate those guided services we shall not be held responsible for the accuracy, or otherwise, of the location of that service, as issued by the utility provider and therefore shown "Taken From Records" on the drawing and we are not liable for any loss that may arise due to the lack of accuracy in the guided information.

* Unless otherwise stated, all services and sub surface structures shown on XYZ SURVEYING SERVICES' plan drawings have been surveyed using approved detectors and the connections between manholes, if not traced, are assumed to be direct.

* Plan accuracies of the order of +/- or -150mm may be achieved but this figure will depend on the depth of the service below ground level. Where similar services run on close proximity, separation may be impossible. Successful tracing of non metallic pipes maybe limited.

XYZ SURVEYING SERVICES

HEAD OFFICE
 TRIDENT COURT, 1 OAKCROFT ROAD,
 CHESINGTON, SURREY, KT9 1BD
 TEL 020 8255 4550 FAX 020 8255 4551
 E-Mail: surveyors@xyzsurveys.co.uk
 Website: www.xyzsurveys.co.uk

LEGEND

OS	Open Valve	SV	Valve	CB	Coloured	—	Electrical Cable	AB	AIR BRICK	FL	FLAG POLE	PL	PERIMETER LIGHT
OP	Open Valve	SV	Valve	CB	Coloured	—	Electrical Lighting Cable	AC	AIR CONDITIONING UNIT	FL	FLAG POLE	PL	PERIMETER LIGHT
OP	Open Valve	SV	Valve	CB	Coloured	—	Electrical Lighting Cable	AC	AIR CONDITIONING UNIT	FL	FLAG POLE	PL	PERIMETER LIGHT
OP	Open Valve	SV	Valve	CB	Coloured	—	Electrical Lighting Cable	AC	AIR CONDITIONING UNIT	FL	FLAG POLE	PL	PERIMETER LIGHT

ON DETAIL SURVEY

AD	AIR BRICK	FL	FLAG POLE	PL	PERIMETER LIGHT
AC	AIR CONDITIONING UNIT	FL	FLAG POLE	PL	PERIMETER LIGHT
AP	AIR COMPRESSOR	FL	FLAG POLE	PL	PERIMETER LIGHT

Date	Description	Revised
11-03-2013	Final Drawing	

XYZ

Client: DHP UK

Project: LA SAINTE UNION CATHOLIC SCHOOL

Date: 11-03-2013 **Scale:** 1:250

Description: Utility Survey, Cable

Drawing Number: 20130046