Select

Capability Statement

Utility & CCTV Surveying

Surveying

Utility Surveying

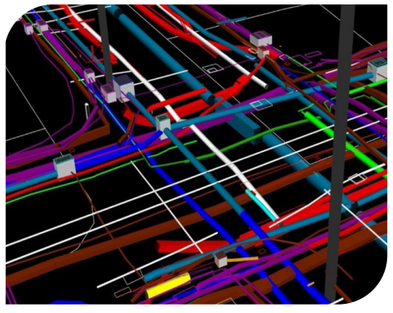
Advanced Surveying Solutions for Precision and Compliance

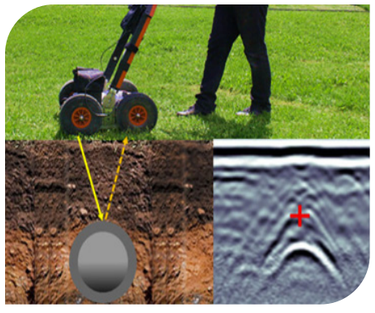
Select Survey team employs cutting-edge technology, including truck-mounted, GPS-integrated Ground Penetrating Radar (GPR), along with the latest radio detection and electromagnetic location (EML) equipment, to ensure every survey is fully compliant with PAS128 standards.

Our experienced team delivers highly accurate and reliable results, helping to prevent excavation damage and facilitating safe, efficient project planning.

Key Capabilities:

- Full PAS128 compliance across all survey bands and types
- Comprehensive utility service location and mapping
- Detection of underground tanks
- Void and anomaly identification
- Creation of 2D and 3D utility digital twins
- Desktop-based mapping solutions
- Service clearance and marking surveys
- Detailed manhole inspection documentation
- Survey insights and recommendations
- Comprehensive statutory information packages





Surveying

CCTV Surveying

Comprehensive Drainage and Sewer Inspection Services

Utilising high-resolution cameras, we perform detailed inspections of drainage and sewer systems, meticulously assessing the internal condition of pipes without the need for excavation.

Our team reviews the footage to identify issues such as cracks, blockages, and leaks, providing detailed reports with visual documentation to guide maintenance and repairs.

Additionally, we conduct pre and post-construction surveys to evaluate any potential impact on drainage systems, helping to proactively address future concerns.

With our advanced inspection tools and reporting, we support effective maintenance and long-term functionality of drainage and sewer systems

Key Capabilities:

- CCTV inspection of underground pipes and sewers
- Comprehensive recording and documentation of pipe conditions
- Detection of blockages, corrosion, and structural defects
- In-depth data collection and analysis for surveys
- Precise pipeline mapping and alignment
- Development of 2D and 3D pipe models
- Integrity and structural assessments of pipelines
- Manhole and access point inspections
- Tailored survey recommendations and actionable plans

Case Study

OUR EXPERIENCE

BANBURY AVENUE, SLOUGH

LD14 Slough Data Centre

Select carried out a detailed PAS128 Level B utility survey for the Oxford Pandemic Project, employing GPS-integrated Ground Penetrating Radar (GPR) along with the latest CAT and Genny equipment to ensure full adherence to PAS128 standards.

DURATION (DAYS)

12

MANHOLES

40

The survey was completed over 12 days, with 5 days spent on-site for fieldwork and 7 days for data processing and analysis.

A total of 40 manholes were lifted and surveyed, including 24 sewer manholes and 16 for utilities such as electricity, telecom, and optics.

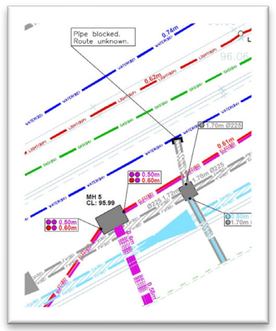
Project Requirements

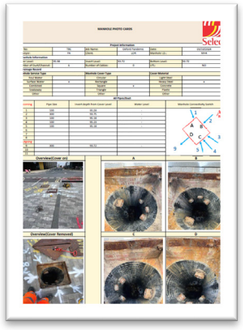
- PAS128 Type B Survey (M3 Band): Conducted according to PAS128 standards using M3 accuracy bands, ensuring reliable mapping of underground utilities.
- Topographic Survey Updates (as eeded): Updates are made to the existing topographic survey where required to accurately reflect ground-level features.
- 2D CAD Drawing: A detailed 2D CAD drawing that includes all relevant surveyed data.
- PAS128 Type D Desktop Mapping: Preliminary desktop mapping based on existing records to establish an initial overview of underground utilities.
- Full Statutory Package: A comprehensive package of utility records, including all relevant statutory information related to the survey.
- Manhole Cards: Detailed manhole information, including photographs, providing an overview of the manhole and related features.
- Survey Report: A detailed survey report, including all findings and recommendations based on the survey results, to assist with further planning or actions.

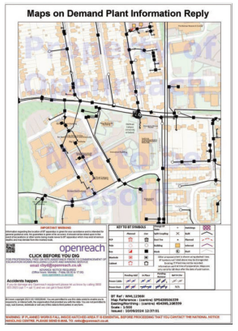
OLD ROAD CAMPUS, UNIVERSITY OF OXFORD

Oxford Pandemic Project

Select conducted a comprehensive PAS128 Level B utility survey for the Oxford Pandemic Project, utilising GPS-integrated Ground Penetrating Radar (GPR) along with the latest CAT and Genny equipment to ensure full compliance with PAS128 standards.







DURATION (DAYS)

20

MANHOLES

44

The survey was performed using M3 and M4 bands where necessary. The project was completed in 20 days, split between 10 days of on-site work and 10 days of data processing.

A total of 44 manholes were lifted and traced, including 25 sewer manholes and 19 for electric, telecom, and optics utilities.

Project Requirements

- PAS128 Type B Survey (M3, M4 Bands): Conducted according to PAS128 standards using M3 and M4 accuracy bands, ensuring reliable mapping of underground utilities.
- Topographic Survey Updates (As Needed): Updates are made to the existing topographic survey where required to accurately reflect ground-level features.
- 2D CAD Drawing: A detailed 2D CAD drawing that includes all relevant surveyed data.
- PAS128 Type D Desktop Mapping: Preliminary desktop mapping based on existing records to establish an initial overview of underground utilities.
- Full Statutory Package: A comprehensive package of utility records, including all relevant statutory information related to the survey.
- Manhole Cards: Detailed manhole information, including photographs, providing an overview of the manhole and related features.
- Survey Report: A detailed survey report, including all findings and recommendations based on the survey results, to assist with further planning or actions.

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