



ACCURATE ABOVE & BELOW GROUND DATA AND ADVICE

Beveridge Williams offers the complete survey package, with quality utility survey and locating in combination with above ground surveys.

Our team of highly qualified and experienced Dial Before You Dig Accredited Utility Locators and Surveyors are experts at not only investigating and marking underground utilities, but translating utility information into engineering-grade survey data.

In addition, our diverse team of experienced land surveyors use their specialist skills and the latest technology to not only provide accurate above ground surveys, but are equipped to offer expert advice to achieve success with all types of infrastructure and development projects.

CONTACT US

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BW Beveridge Williams



SURVEYING &
SUBSURFACE
UTILITY
INVESTIGATION



Survey and Spatial Services

Our 45 qualified surveyors (including 12 Registered Surveyors) are highly experienced in a range of survey areas and have the expertise to carry out:

- Land acquisition plans for government authorities
- Cadastral boundary surveys
- Land and building subdivisions
- Title boundary re-establishment surveys
- Crown lease surveys
- Construction set-outs
- 3D modelling from point clouds, including Revit
- Greenfield estate surveying services
- Feature and level surveys
- Area and lease plans
- Volume surveys
- Survey infrastructure plans including certification

The team has expansive knowledge in public and private sector development and infrastructure, with a number of specialists who can provide expert advice in key survey areas, such as brownfield development, complex titling, strata subdivision, mix use and high rise development, infrastructure survey, and more.

Beveridge Williams is equipped with the latest survey and subsurface detection instruments, including Total Stations, Digital Levels, Precision Laser Scanners, GPS Receivers and Drones.

SURVEY PLANS:

Detailed survey plans are provided in advanced formats, incorporating the latest technical methods for visualisation and gathering information. Plans can be supplied in:

- 3D plan presentation format
- 3D digital terrain format, using 3D point cloud.
- 2D traditional format
- Revit model

Survey Consulting Services

Beveridge Williams has extensive experience at its disposal to liaise with Developers, Solicitors, Architects, Planners and Engineers to evaluate projects and come up with the “best practice” titling solution.

We have an extensive understanding of the land development regulatory framework and title/ownership legislation.

The team works closely with external stakeholders throughout the project lifecycle to provide innovative and sustainable solutions, ensuring that project objectives and milestones are achieved.

Over many years our surveyors have developed strong working relationships with key government and professional bodies in NSW, including:

- Sydney Water - through our dedicated Water Service Co-ordinator
- NSW Land Registry Services
- Crown Lands
- Maritime Survey Section of Transport NSW
- Roads section of Transport NSW

THE LATEST TECHNOLOGY FOR QUALITY OUTCOMES

Our surveyors and drafters are skilled in using the latest CAD software, including 12d for survey reduction and design, AutoCAD, Revit, TopoDOT, Trimble Business Centre and Cyclone for drafting/modelling, plus CompNet for complex survey control networks.

- MALA Locator Core GPR
- RadioDetection RD 8200 EM Locators
- Trimble and Leica Robotic Total Stations
- Trimble and Leica 3D Laser Scanners
- RTK and Static GNSS solutions
- Digital Levels
- UAV Drone - capable of producing high resolution video and orthorectified images



Subsurface Utility Locating

With the assets hidden underground, specific and tailored research and resources are necessary to complete a utility survey, as there can be serious consequences if something is missed.

Utility Survey and Drafting is unique, and the team's knowledge of locating methodologies, tolerances, site constraints, and their overall understanding of utilities are essential for risk minimisation and achieving quality outcomes. The team are professional and fully-qualified utility locators who are all Dial Before You Dig Certified.

Both Electromagnetic Locating (EM) and Ground Penetrating Radar (GPR) technology are used to identify underground utilities and substructures.

ELECTROMAGNETIC LOCATING:

We use a range of electromagnetic and high-frequency induction devices and complementary technology to identify, locate and mark underground services such as metallic water mains, electrical and communications infrastructure.

GROUND PENETRATING RADAR:

GPR is a geophysical, non-intrusive method of surveying that uses radar pulses to image the subsurface to investigate subsurface anomalies.

It's predominately used in Utility Investigation for identifying non-conductive material such as Poly or Nylon gas lines, brute and uPVC water mains, empty conduits and Drainage infrastructure.

The team can also provide reports on other subsurface features/anomalies, including underground storage tanks (UST), subsurface voiding, concrete substructures and grave investigation.

Utility Survey and Mapping

Beveridge Williams offers Utility Surveys with Comprehensive Utility Deliverables in line with AS – 5488 2019 which cater to all requirements, including:

- Georeferenced Aerial Survey plans (if required)
- 12d/DWG CAD models
- BIM Modelling
- Field reports including Pothole/Trench, Pit and Drainage Interactive PDFs
- SUI Data Spreadsheets

Non-destructive Excavation

Non-destructive excavation uses high pressure water and vacuum to safely expose and pothole underground utilities, without damaging utilities or their coatings. It's key to safely identifying and then obtaining the highest possible Quality Level (QL-A) per AS 5488-2019.

CCTV and Drainage Investigations

The team utilises proven technologies and methods, including Push Rod and Tractor Cameras, to efficiently assess the condition of stormwater drainage, sewerage systems and other pipe infrastructure.