

***Electromagnetic locating techniques as well as ground penetrating radar have been**
utilised in the location of underground services. These results are not infallible and a
non destructive dig process should be carried out to confirm service identification,
positions and particularly heights, where these are critical. Although all reasonable effort
has been made in locating and mapping the underground services, the completeness of
the this Utility survey information cannot be guaranteed.

SUBSURFACE UTILITY INFORMATION (SUI) CLASSIFICATION:
QUALITY LABELING UTILITY INFORMATION BY A CLASSIFICATION CODE ALLOWS THE USER
OF THIS INFORMATION TO UNDERSTAND CLEARLY HOW THE INFORMATION WAS COLLECTED
AND THEN PLACE AN APPROPRIATE AMOUNT OF RELIANCE ON IT. PROJECT RISKS
RELATED TO UNDERGROUND UTILITIES CAN THEN BE PROPERLY MANAGED. QUALITY A:
INFORMATION IS THE HIGHEST POSSIBLE LEVEL OF ACCURACY AND IS OBTAINED
EXPOSING THE UNDERGROUND UTILITY USING A NON DESTRUCTIVE EXCAVATION (POT
HOLING) TECHNIQUE. THE VERTICAL INFORMATION FOR THIS LOCATING METHOD IS TO THE
TOP OF THE SHALLOWEST PART OF THE LOCATED SERVICE. THE 3D LOCATION IS
RECORDED AS AN X,Y,Z COORDINATE. QUALITY B: INFORMATION IS COLLECTED BY
DESIGNATING THE HORIZONTAL AND VERTICAL LOCATION OF UNDERGROUND UTILITIES BY
USING ELECTROMAGNETIC PIPE AND CABLE LOCATORS, SONDES OR FLEX TRACE,
GROUND PENETRATING RADAR AND ACOUSTIC PULSE EQUIPMENT. THIS IS THE MOST
COMMON FORM OF UTILITY LOCATING AND ALTHOUGH AN X,Y, AND Z AXIS CAN BE
ESTABLISHED IT IS NOT ALWAYS ENTIRELY ACCURATE DUE TO DIFFERING
ELECTROMAGNETIC FIELDS, SOIL CONDITIONS AND MULTIPLE BANKS OF CABLES
AFFECTING THE LOCATING SIGNAL. QUALITY C: INFORMATION IS COLLECTED BY
CORRELATING THE SURVEY OF VISIBLE UTILITY SURFACE FEATURES SUCH AS MARKER
PLATES OR WATER HYDRANTS AND ACQUIRED DIA BEFORE YOU DIG PLANS TO DRAW A
STRING WHICH SHOWS THE APPROXIMATE POSITION OF SERVICES. THIS METHOD DOES
NOT USUALLY SHOW MULTIPLE BANKS OF CABLES AND DOES NOT ALWAYS SHOW THREE
DIMENSIONAL INFORMATION. QUALITY D: INFORMATION IS THE MOST BASIC LEVEL
OF UTILITY LOCATIONS USING ONLY INFORMATION BASED ON EXISTING DIA BEFORE YOU DIG
PLANS AND BY MEASURING BOUNDARY OFFSETS ETC. THIS METHOD OF UTILITY LOCATION
SHOULD ALWAYS BE TREATED AS AN INDICATION OF THE PRESENCE OF A SERVICE ONLY
AND SHOULD NOT BE USED FOR DESIGN.

