





ACCURACY OF UNDERGROUND SERVICES INFORMATION
UNDERGROUND SERVICES SHOWN ON THIS PLAN HAVE BEEN LOCATED TO THE QUALITY LEVEL INDICATED IN THE LINE TYPE DESCRIPTOR. THE LOCATION AND DEPTHS STATED SHOULD BE TREATED AS APPROXIMATE AND CAN ONLY BE VERIFIED VIA PROVING METHODS (MANUAL EXPOSURE/NON-DESTRUCTIVE DIGGING; QL-A) OF WHICH, UNLESS OTHERWISE AGREED UPON, IS THE RESPONSIBILITY OF THE CONTRACTOR. THERE IS NO GUARANTEE ALL SERVICES THAT EXIST IN THE AREA COVERED ON THIS PLAN ARE SHOWN.
THIS PLAN DOES NOT REPLACE BEFORE YOU DIG PLANS

— CSW(B) — CHARGED STORM WATER — PSW(B) — PUMPED STORM WATER ----SW(B)---- STORM WATER —— CP(B) —— CATHODIC PROTECTION ——EW(B) —— EARTH WIRE — EF(B) — ELECTRIC FENCE

— ELV(B) — EXTRA LOW VOLTAGE — ICW(B) — IRRIGATION CONTROL WIRE ----LVO ----- LOW VOLTAGE OVERHEAD ——SIG(B)—— RAIL SIGNALS ——VTE(B)—— VICTRACK ELECTRICITY —— CA(B) —— COMPRESSED AIR —— F(B) —— FUEL

—— G(B) —— GAS — GTX(B) — GAS TRANSMISSION —— O(B) —— OIL —— SL(B) —— STEAM LINE —— GPR —— GROUND PENERTRATING RADAR — EFF(B) — EFFLUENT —— PS(B) —— PUMPED SEWER —— <u>S(B)</u> —— SEWER

DTI DEPTH TO INVERT BELOW SURFACE LEVEL AHD AUSTRALIAN HEIGHT DATUM BOK BACK OF CURB EOT END OF TRACE NTF NOT TRACED FURTHER UTL UNABLE TO LOCATE — SRM(B) — SEWER RISING MAIN UT0 UNABLE TO OPEN --- TRW(B) --- TRADE WASTE -0.55 DEPTH BELOW SURFACE (m) 13.603 POINT LEVEL (AHD)

STORM WATER FEATURE

HYDROCARBONS FEATURE

POTABLE WATER FEATURE

POOL FILTRATION FEATURE

RECYCLED WATER FEATURE

IRRIGATION WATER FEATURE

TANK WATER FEATURE BORE WATER FEATURE

DAM WATER FEATURE

FIRE SERVICE FEATURE

SURVEY MARK / TBM

PIPE DIAMTER IN MM

COVER LEVEL

INVERT LEVEL

DEPTH TO COVER

600ø

CL

DTC

ELECTRICAL FEATURE

UNKNOWN FEATURE

SEWER FEATURE

4. METHODS OF OBTAINING DEPTHS FOR STORM WATER & SEWER: depth measured using electronic detection: the method of determining the il at specific points along any given pipe is obtained using electronic detection. An in-depth explanation of how this is achieved is as follows; a tracing rod is fed into the pipe from an access point, for example a junction pit or manhole. The tracing rod has a locating sonde attached to the head. The rod is fed into the pipe so the head is directly below the specific point with the transmitting sonde sitting on the bottom of the inside of the pipe. Electronic depth is obtained and noted at approximately xmm below the surface level. Additionally if required and if not already provided, surface levels are then measured using a topcon roving surveyor's gps. Electronic depth is then subtracted from the measured gps surface level and to ascertain an approximate invert level and. depth measured using inferred depth: this method assumes consistent and linear fall on a pipe. First, depth is obtained using depths measured at access points for the pipe, for example at 2 separate junction pits or manholes.

We are not licensed surveyors therefore certified levels can only be attained by exposing the utility by excavation and having it surveyed by a licensed surveyor. 6. Depending on the nature of the works, reason for survey and field conditions determines if and what method will be used and how much information is provided. Every attempt will be made to provide all relevant information however, should additional information be required subsequent site visits and/or techniques may be needed.

Notes regarding quality levels, taken from as/nzs 5488 2013 quality level is defined as "a classification reflecting the precision and accuracy of utility location and attribute information."

quality levels will be represented on the line type as a single letter (a,b,c or d) in brackets proceeding the utility descriptor. See below. Quality Level A – potholing to prove a utility location.

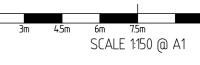
Approximate depth can then be derived for a particular point along the pipe by considering calculated grade, invert levels and surface level and at the given point.

 Quality Level B - use of locating equipment/electronic detection to locate a utility. --- LV(C) --- Quality Level C - using features above the surface to make alignments. For example, fire hydrants, utility pits. LV(D) — Quality Level D – from plans, anecdotal evidence. Where the whole line segment cannot be verified by line of sight, quality Level A shall not be attributed to the line segment between validated points.

Quality levels may vary on separate sections of a single subsurface utility, depending on the source information available for each section.

- This is a master plan compiled from multiple surveys across the college over a wide time frame. Just because an area shows services does not mean all services are shown. Other services may be present.

UNDERGROUND SERVICES (PARTIAL) SITE ADDRESS SALESIAN COLLEGE SUNBURY 1 MACEDON ST, SUNBURY VIC 3429



PROJECTION: MGA2020 MGA ZONE 55 HEIGHT DATUM: AHD FIELD WORK: JAKE SUTHERLAND DRAWN: JAKE SUTHERLAND DATE: VARIOUS - SEE COVERSHEET

