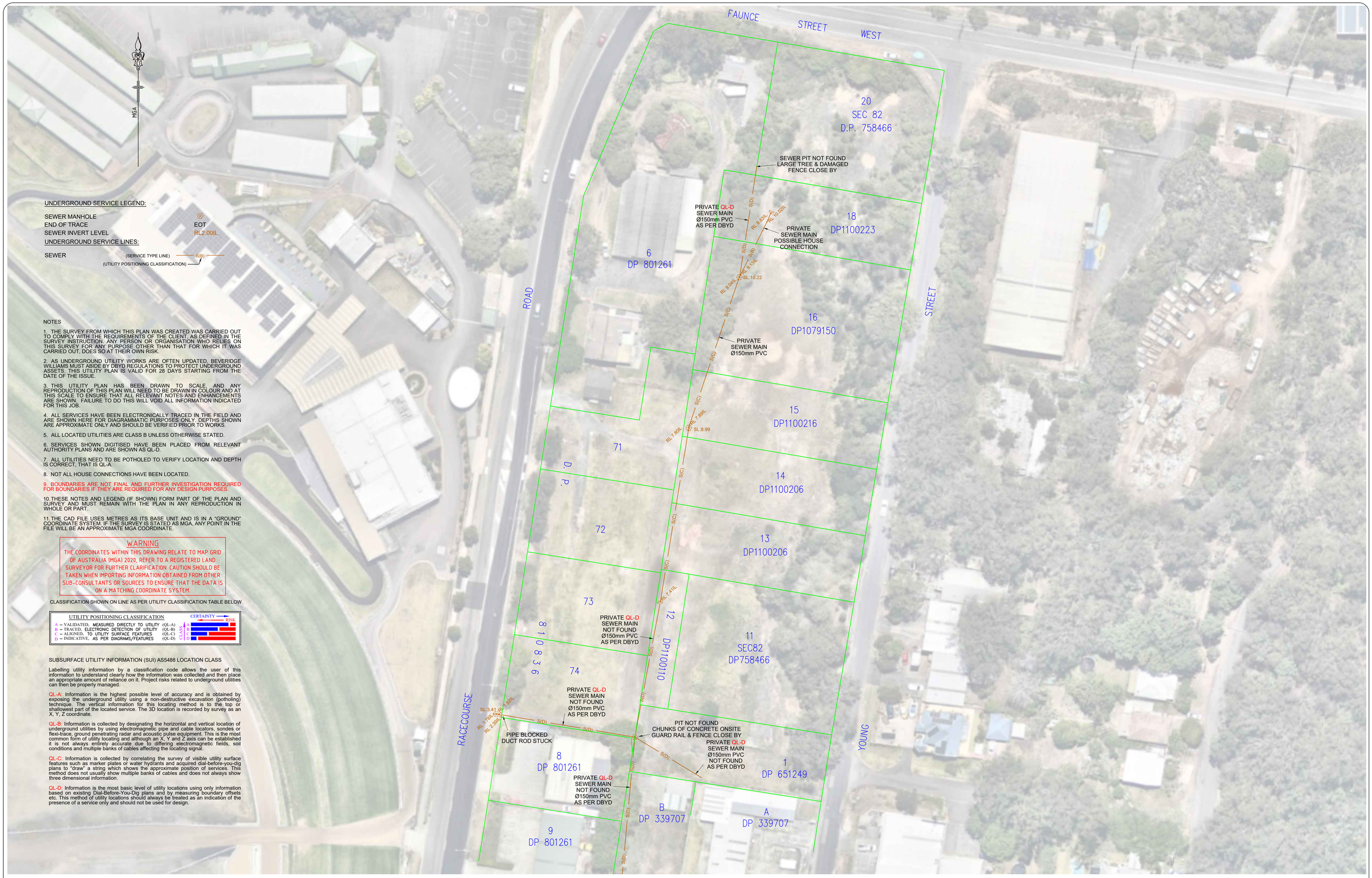

UNDERGROUND SERVICE LEGEND:

SEWER MANHOLE
END OF TRACE — EOT
SEWER INVERT LEVEL — RL2.00IL

UNDERGROUND SERVICE LINES:

SEWER — (SERVICE TYPE LINE) S(B) (UTILITY POSITIONING CLASSIFICATION)

NOTES

1. THE SURVEY FROM WHICH THIS PLAN WAS CREATED WAS CARRIED OUT TO COMPLY WITH THE REQUIREMENTS OF THE CLIENT, AS DEFINED IN THE SURVEY INSTRUCTION. ANY PERSON OR ORGANISATION WHO RELIES ON THIS SURVEY FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS CARRIED OUT, DOES SO AT THEIR OWN RISK.

2. AS UNDERGROUND UTILITY WORKS ARE OFTEN UPDATED, BEVERIDGE WILLIAMS MUST ABIDE BY DBYD REGULATIONS TO PROTECT UNDERGROUND ASSETS. THIS UTILITY PLAN IS VALID FOR 28 DAYS STARTING FROM THE DATE OF THE ISSUE.

3. THIS UTILITY PLAN HAS BEEN DRAWN TO SCALE, AND ANY REPRODUCTION OF THIS PLAN WILL NEED TO BE DRAWN IN COLOUR AND AT THIS SCALE TO ENSURE THAT ALL RELEVANT NOTES AND ENHANCEMENTS ARE SHOWN. FAILURE TO DO THIS WILL VOID ALL INFORMATION INDICATED FOR THIS JOB.

4. ALL SERVICES HAVE BEEN ELECTRONICALLY TRACED IN THE FIELD AND ARE SHOWN HERE FOR DIAGRAMMATIC PURPOSES ONLY. DEPTHS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED PRIOR TO WORKS.

5. ALL LOCATED UTILITIES ARE CLASS B UNLESS OTHERWISE STATED.

6. SERVICES SHOWN DIGITISED HAVE BEEN PLACED FROM RELEVANT AUTHORITY PLANS AND ARE SHOWN AS QL-D.

7. ALL UTILITIES NEED TO BE POTHOLED TO VERIFY LOCATION AND DEPTH IS CORRECT, THAT IS QL-A.

8. NOT ALL HOUSE CONNECTIONS HAVE BEEN LOCATED.

9. BOUNDARIES ARE NOT FINAL AND FURTHER INVESTIGATION REQUIRED FOR BOUNDARIES IF THEY ARE REQUIRED FOR ANY DESIGN PURPOSES.

10. THESE NOTES AND LEGEND (IF SHOWN) FORM PART OF THE PLAN AND SURVEY AND MUST REMAIN WITH THE PLAN IN ANY REPRODUCTION IN WHOLE OR PART.

11. THE CAD FILE USES METRES AS ITS BASE UNIT AND IS IN A "GROUND" COORDINATE SYSTEM. IF THE SURVEY IS STATED AS MGA, ANY POINT IN THE FILE WILL BE AN APPROXIMATE MGA COORDINATE.

WARNING

THE COORDINATES WITHIN THIS DRAWING RELATE TO MAP GRID OF AUSTRALIA (MGA) 2020, REFER TO A REGISTERED LAND SURVEYOR FOR FURTHER CLARIFICATION. CAUTION SHOULD BE TAKEN WHEN IMPORTING INFORMATION OBTAINED FROM OTHER SUB-CONSULTANTS OR SOURCES TO ENSURE THAT THE DATA IS ON A MATCHING COORDINATE SYSTEM.

CLASSIFICATION SHOWN ON LINE AS PER UTILITY CLASSIFICATION TABLE BELOW

UTILITY POSITIONING CLASSIFICATION

A – VALIDATED, MEASURED DIRECTLY TO UTILITY (QL-A)
B – TRACED, ELECTRONIC DETECTION OF UTILITY (QL-B)
C – ALIGNED, TO UTILITY SURFACE FEATURES (QL-C)
D – INDICATIVE, AS PER DIAGRAMS/FEATURES (QL-D)

CERTAINTY → RISK

SUBSURFACE UTILITY INFORMATION (SUI) AS5488 LOCATION CLASS

Labelling 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.

QL-A: Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a non-destructive excavation (potholing) technique. The vertical information for this locating method is to the top or shallowest part of the located service. The 3D location is recorded by survey as an X, Y, Z coordinate.

QL-B: Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-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.

QL-C: Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-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.

QL-D: Information is the most basic level of utility locations using only information based on existing Dial-Before-You-Dig plans and by measuring boundary offsets etc. This method of utility locations should always be treated as an indication of the presence of a service only and should not be used for design.

VER	BY	AMENDMENTS	DATE
A	J.S.	INITIAL ISSUE	02.02.2024
B			
C			
D			
E			
F			
G			

DISCLAIMER: THIS PLAN INCLUDES INFORMATION DESCRIBING THE LOCATION OF SUBTERRANEAN FEATURES WHICH WERE PURPORTED TO EXIST AT THE TIME OF SURVEY. THIS INFORMATION WAS COMPILED FROM A COMBINATION OF FIELD TECHNIQUES AND AVAILABLE DATA FROM COOPERATING UTILITY AUTHORITIES. WHILST ALL CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS PLAN OF SURVEY, BEVERIDGE WILLIAMS CANNOT GUARANTEE THAT THE PLAN IS WITHOUT FLAW OF ANY KIND. THEREFORE BEVERIDGE WILLIAMS EXPRESSLY DISCLAIMS ALL LIABILITY FOR ERRORS OR OMISSIONS OF ANY KIND WHATSOEVER OR FROM ANY LOSS, DAMAGE OR OTHER CONSEQUENCES WHICH MAY ARISE FROM ANY PERSON RELYING ON ANY THING STATED ON THIS PLAN. IN PARTICULAR, IT IS RECOMMENDED THAT USERS SATISFY THEMSELVES AS TO THE LOCATION OF SUBTERRANEAN FEATURES SUCH AS UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLAN.

www.dialbeforeyoudig.com.au
DIAL 1100 BEFORE YOU DIG

ORIGIN OF LEVELS
PM 19232
E: 344602.986
N: 6300811.206
RL: 14.428 (AHD)

Beveridge Williams
Land Development Consultants
Registered Surveyors
Central Coast (02) 4351 2233 www.beveridgewilliams.com.au

CLIENT:
DETAILS: BUSWAYS GROUP PTY LTD.
QL-B UTILITY INVESTIGATION OF SEWER
RACECOURSE ROAD
WEST GOSFORD NSW 2250

ORIGINAL
SCALE 1:500 SHEET SIZE A1
CAD REFERENCE: 2202624-SUI-001-A.dwg
0 10 20 30
SCALE ON ORIGINAL DRAWING AT 1:500

SURVEYOR:	A.B.
LOCATOR:	A.B.
DRAWN:	J.S.
CHECKED:	R.P.
SURVEY DATE:	01.02.2024
ISSUE DATE:	02.02.2024
HORIZONTAL DATUM:	MGA
VERTICAL DATUM:	AHD

PROJECT No. 2202624
DRAWING REF. SUI-001
VERSION A
SHEET 1 OF 1

1786