SHEET 02

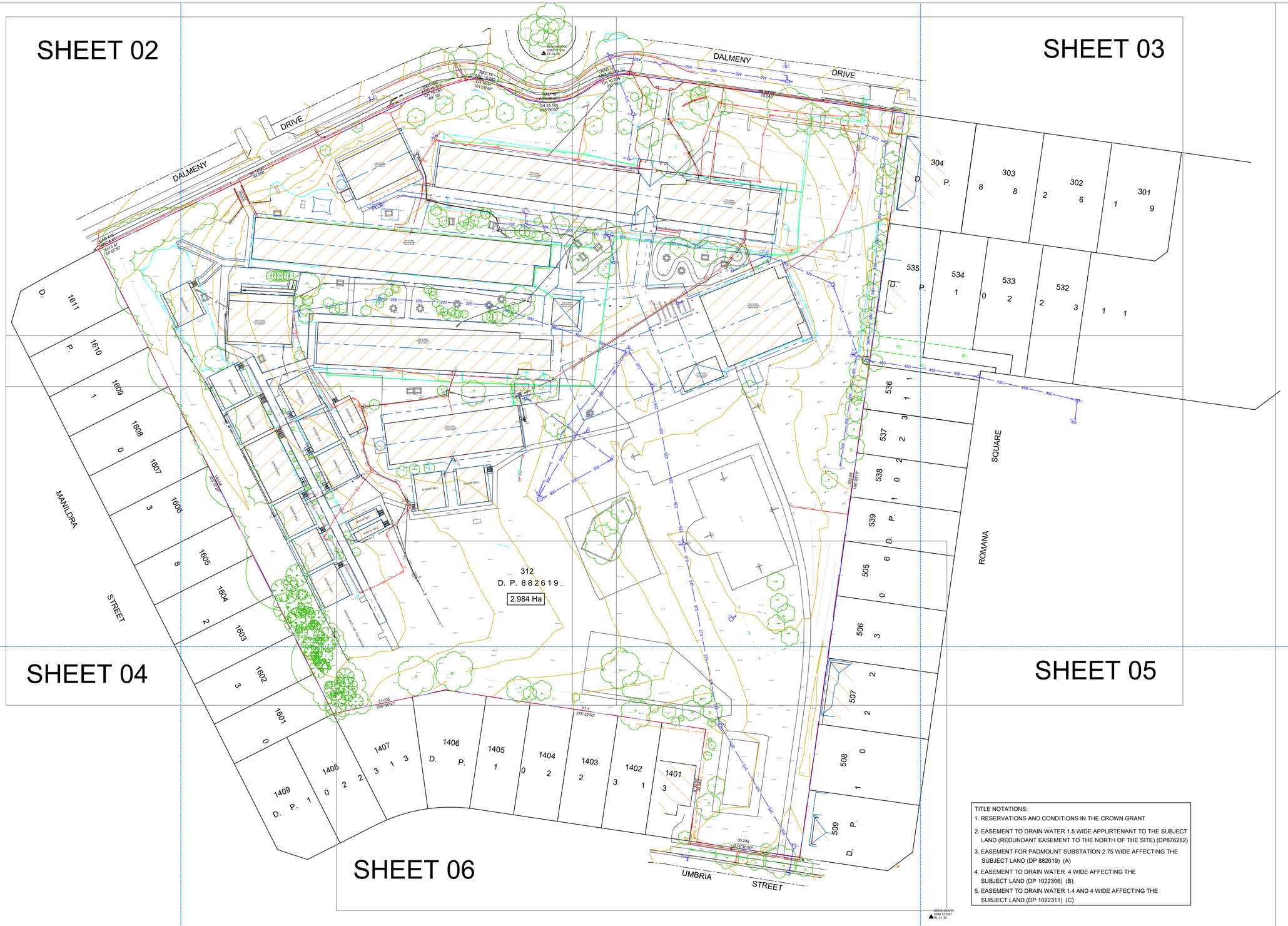
SHEET 03

SHEET 04

SHEET 05

SHEET 06

MGA



TITLE NOTATIONS:

1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT
2. EASEMENT TO DRAIN WATER 1.5 WIDE APPURTENANT TO THE SUBJECT LAND (REDUNDANT EASEMENT TO THE NORTH OF THE SITE) (DP876282)
3. EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE AFFECTING THE SUBJECT LAND (DP 882619) (A)
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5. EASEMENT TO DRAIN WATER 1.4 AND 4 WIDE AFFECTING THE SUBJECT LAND (DP 1022311) (C)

A1

UTILITY ASSETS LEGEND

- ELECTRICITY — EU — EU
- COMMS TELEPHONE LINE — T — T
- COMMS OPTICAL FIBRE — OU — OU
- COMMS HOUSE CONNECTION — TH — TH
- WATER MAIN
- RECYCLED WATER MAIN — WR — WR
- WATER HOUSE CONNECTION — WH — WH
- LOW PRESSURE GAS
- GAS HOUSE CONNECTION — GH — GH
- SEWER MAIN — S — S
- STORMWATER PIPE — SW — SW — SW
- OVERHEAD ELECTRICITY — OHP — OHP — OHP

UTILITY MAPPING NOTES:

1. Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read inconjuction with the subsurface utility investigation report.
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SUBSURFACE UTILITY INFORMATION (SUI) ASS488 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 managed.

CLASS A: Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a on-destructive excavation (pot holing) 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.

CLASS 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.

CLASS 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. Electronically traced locate marks with poor scratchy signals are represented as QL-C.

CLASS 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. GPR scans are also represented as QL-D as the GPR image cannot be confirmed to it's origin point. Depths on GPR scan must be treated as indicative only.

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PWSV - STOP VALVE
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TK - TOP OF KERB
PC - PRAM RAMP LP - LIP OF GUTTER
FP - FOOTPATH DW - DRIVEWAY

SERVICE TYPE / ESTIMATION QUALITY LEVEL / DEPTH OF SERVICE / PIPE MATERIAL & SIZE
TN/A 0.4 A100
33.15

DIAL BEFORE YOU DIG www.1100.com.au

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* LEVEL DATUM IS AHD
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SCALE 1:500

0 5 10 20 30 40 50

GDA 2020

ORIGIN	SSM 123357 E 303402.851 N 6241527.047
ORIENTATION	SSM 123357 - SSM 123358
AHD ORIGIN	SSM 123357 RL31.386

CLIENT : SCHOOL INFRASTRUCTURE

PLAN IN RELATION TO : DALMENY PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019

PURPOSE: ENGINEERING DESIGN

SHEET 01 0F 08

DIGITAL SURVEY SOLUTIONS
UTITLITY MAPPING
SUITE 6.01, TRINITI II, TRINITI BUSINESS PARK
39 DELHI ROAD, NORTH RYDE 2113
SCOTT DEVERIDGE 0425 285 270
www.astrea.com.au

Astrea

JOB REFERENCE : A4045
DWG No.: A4045-1-D
SURVEYOR: BD
DATE OF SURVEY: SEP 2023
UTILITY LOCATOR: JP

I/D 7453
SCOTT DEVERIDGE
REGISTERED LAND SURVEYOR
UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002

REV		DATE
D	AMENDMENTS	28.02.2025
C	AMENDMENTS	17.10.2024
A	FINAL ISSUE	10.10.2023
REV	AMENDMENTS	DATE

MGA

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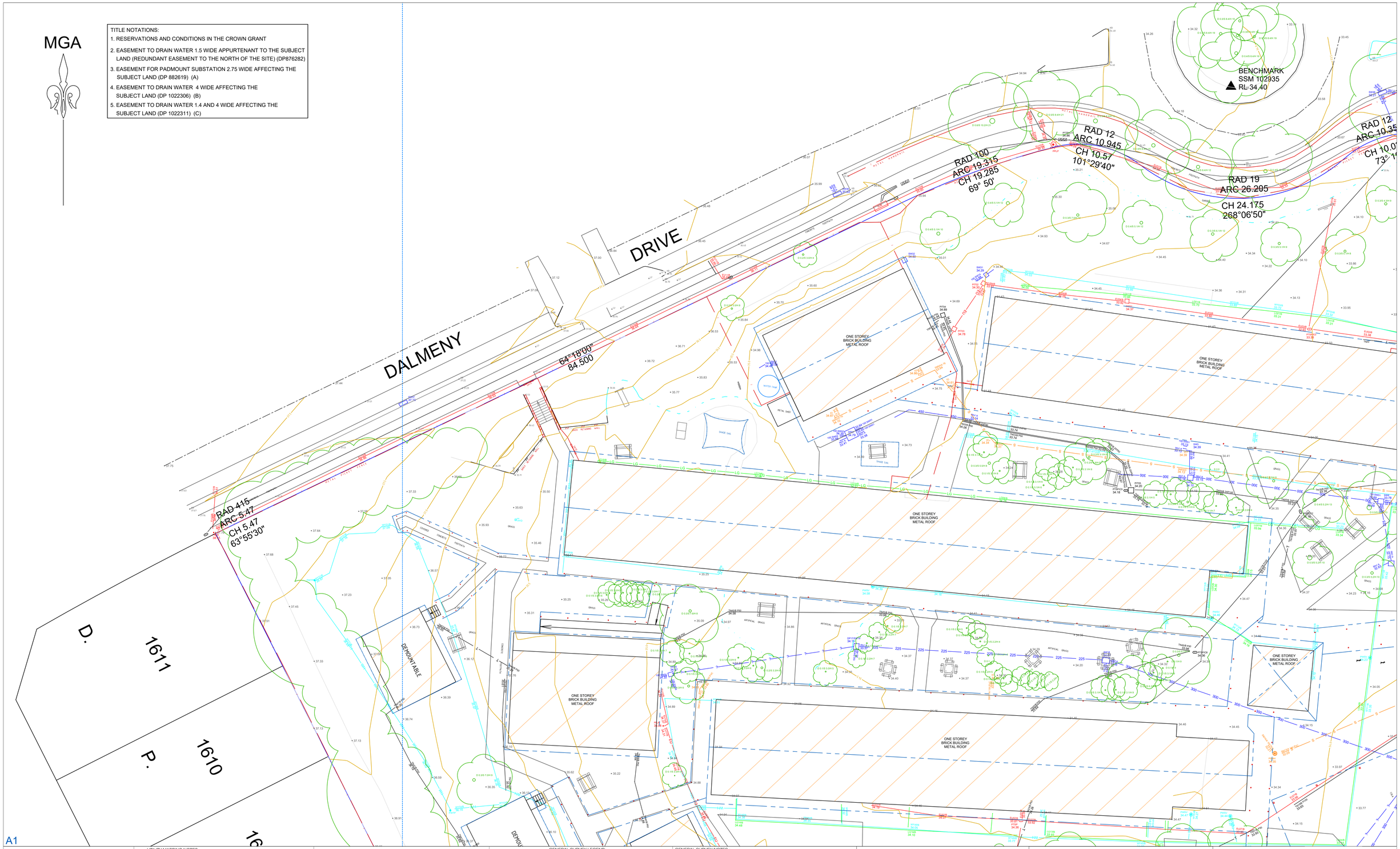

A1

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UTILITY MAPPING NOTES:

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PGPM - GAS MARKER
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PPPL - POWER POLE
PTSP - TELSTRA PIT
TK - TOP OF KERB
PC - PRAM RAMP LP - LIP OF GUTTER
FP - FOOTPATH DW - DRIVEWAY

/SERVICE TYPE
/DETECTION QUALITY LEVEL
/DEPTH (INVERT)
/PIPE MATERIAL & SIZE
TN/A 0.4 A100
33.15

DIAL BEFORE YOU DIG www.1100.com.au

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SCALE 1:200

0 5 10 15 20

GDA 2020

ORIGIN	SSM 123357 E 303402.851 N 6241527.047
ORIENTATION	SSM 123357 - SSM 123358
AHD ORIGIN	SSM 123357 RL31.386

CLIENT : SCHOOL INFRASTRUCTURE

PLAN IN RELATION TO : DALMENY PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019

PURPOSE: ENGINEERING DESIGN

SHEET 02 0F 08

DIGITAL SURVEY SOLUTIONS
UTITLITY MAPPING
SUITE 6.01, TRINITI II, TRINITI BUSINESS PARK
39 DELHI ROAD, NORTH RYDE 2113
SCOTT DEVERIDGE 0425 285 270
www.astrea.com.au

Astrea

JOB REFERENCE : A4045
DWG No.: A4045-1-D
SURVEYOR: BD
DATE OF SURVEY: SEP 2023
UTILITY LOCATOR: JP

I/D 7453

SCOTT DEVERIDGE
REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002

REV	AMENDMENTS	DATE
D	AMENDMENTS	28.02.2025
C	AMENDMENTS	17.10.2024

DALMENY DRIVE

RAD 12
ARC 10.350
CH 10.035
73° 19'

98°03'20"
75.340

ONE STOREY BRICK BUILDING METAL ROOF

ONE STOREY BRICK BUILDING METAL ROOF

ONE STOREY BRICK BUILDING METAL ROOF

(A)

(B)

(B)

(C)

304 D. P. 8

303 8

302 2 6

301 1 9

535 D. P. 1

534 0

533 2

532 2 3

1 1

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MGA

A1

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FP - FOOTPATH DW - DRIVEWAY

SERVICE TYPE
DIRECTION QUALITY LEVEL
DEPTH OF SERVICE
PIPE MATERIAL & SIZE
TN/A 0.4 A100
33.15

DIAL BEFORE YOU DIG www.1100.com.au

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SCALE 1:200

0 5 10 15 20

GDA 2020

ORIGIN	SSM 123357 E 303402.851 N 6241527.047
ORIENTATION	SSM 123357 - SSM 123358
AHD ORIGIN	SSM 123357 RL31.386

CLIENT : SCHOOL INFRASTRUCTURE

PLAN IN RELATION TO : DALMENY PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019

PURPOSE: ENGINEERING DESIGN

SHEET 03 0F 08

DIGITAL SURVEY SOLUTIONS
UTITLITY MAPPING
SUITE 6.01, TRINITI II, TRINITI BUSINESS PARK
39 DELHI ROAD, NORTH RYDE 2113
SCOTT DEVERIDGE 0425 285 270
www.astrea.com.au

Astrea

JOB REFERENCE : A4045
DWG No.: A4045-1-D
SURVEYOR: BD
DATE OF SURVEY: SEP 2023
UTILITY LOCATOR: JP

I/D 7453

SCOTT DEVERIDGE
REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002

REV	AMENDMENTS	DATE
D	AMENDMENTS	28.02.2025
C	AMENDMENTS	17.10.2024

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A1

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TN/A 0.4 A100
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0 5 10 15 20

GDA 2020

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JOB REFERENCE : A4045
DWG No.: A4045-1-D
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CLASS 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.

CLASS 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. Electronically traced locate marks with poor scratchy signals are represented as QL-C.

CLASS 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. GPR scans are also represented as QL-D as the GPR image cannot be confirmed to it's origin point. Depths on GPR scan must be treated as indicative only.

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PWHY - HYDRANT
PWSV - STOP VALVE
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PTSP - TELSTRA PIT
TK - TOP OF KERB
PC - PRAM RAMP LP - LIP OF GUTTER
FP - FOOTPATH DW - DRIVEWAY

SERVICE TYPE / DETECTION QUALITY LEVEL / DEPTH OF SERVICE / PIPE MATERIAL & SIZE
TN/A 0.4 A100
33.15

DIAL BEFORE YOU DIG www.1100.com.au

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SCALE 1:200

0 5 10 15 20

GDA 2020

ORIGIN	SSM 123357 E 303402.851 N 6241527.047
ORIENTATION	SSM 123357 - SSM 123358
AHD ORIGIN	SSM 123357 RL31.386

CLIENT : SCHOOL INFRASTRUCTURE

PLAN IN RELATION TO : DALMENY PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019

PURPOSE: ENGINEERING DESIGN

SHEET 05 0F 08

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39 DELHI ROAD, NORTH RYDE 2113
SCOTT DEVERIDGE 0425 285 270
www.astrea.com.au

Astrea

JOB REFERENCE : A4045
DWG No.: A4045-1-D
SURVEYOR: BD
DATE OF SURVEY: SEP 2023
UTILITY LOCATOR: JP

I/D 7453

SCOTT DEVERIDGE
REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002

REV	AMENDMENTS	DATE
D	AMENDMENTS	28.02.2025
C	AMENDMENTS	17.10.2024

TITLE NOTATIONS:

1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT
2. EASEMENT TO DRAIN WATER 1.5 WIDE APPURTENANT TO THE SUBJECT LAND (REDUNDANT EASEMENT TO THE NORTH OF THE SITE) (DP876282)
3. EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE AFFECTING THE SUBJECT LAND (DP 882619) (A)
4. EASEMENT TO DRAIN WATER 4 WIDE AFFECTING THE SUBJECT LAND (DP 1022306) (B)
5. EASEMENT TO DRAIN WATER 1.4 AND 4 WIDE AFFECTING THE SUBJECT LAND (DP 1022311) (C)

A1

UTILITY ASSETS LEGEND

ELECTRICITY	EU —— EU
COMMS TELEPHONE LINE	T —— T
COMMS OPTICAL FIBRE	OU —— OU
COMMS HOUSE CONNECTION	TH —— TH
WATER MAIN	——
RECYCLED WATER MAIN	WR —— WR
WATER HOUSE CONNECTION	WH —— WH
LOW PRESSURE GAS	——
GAS HOUSE CONNECTION	GH —— GH
SEWER MAIN	S —— S
STORMWATER PIPE	SW —— SW —— SW
OVERHEAD ELECTRICITY	OHP —— OHP —— OHP

UTILITY MAPPING NOTES:

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SERVICE TYPE / DETECTION QUALITY LEVEL / DEPTH OF SERVICE / PIPE MATERIAL & SIZE
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SCALE 1:200

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GDA 2020

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JOB REFERENCE : A4045
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DATE OF SURVEY: SEP 2023
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REV	AMENDMENTS	DATE
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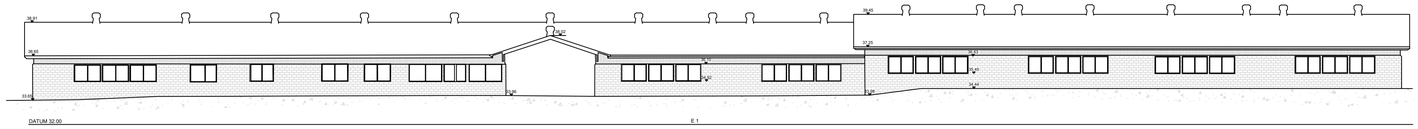
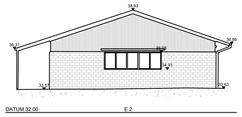
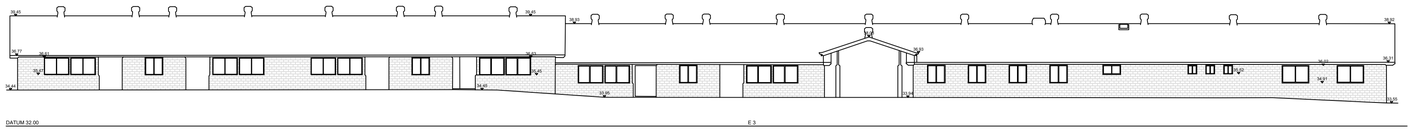
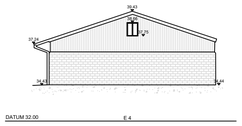
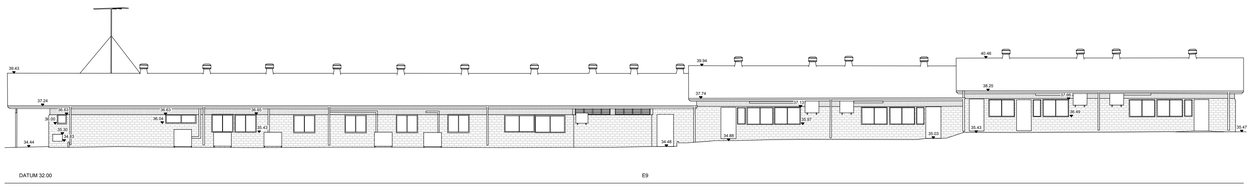
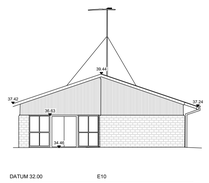


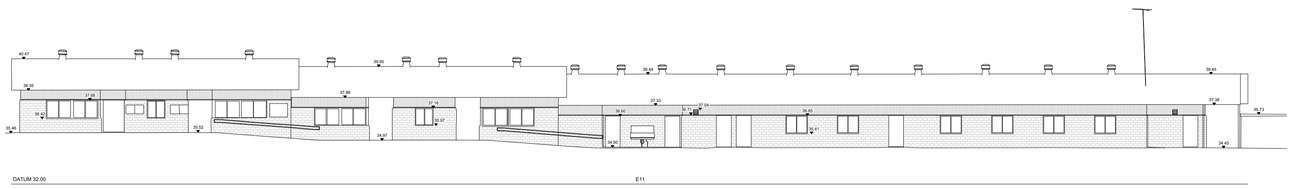


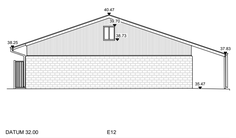


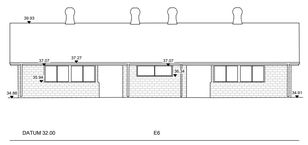


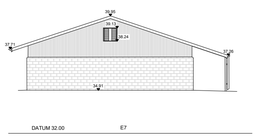


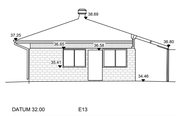


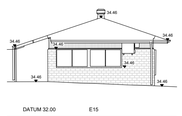


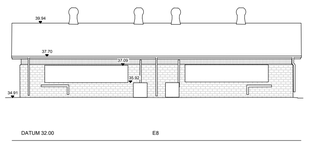


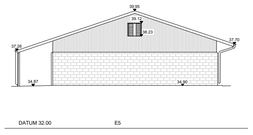


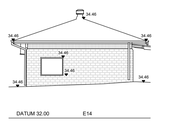


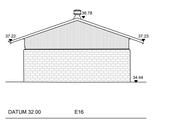






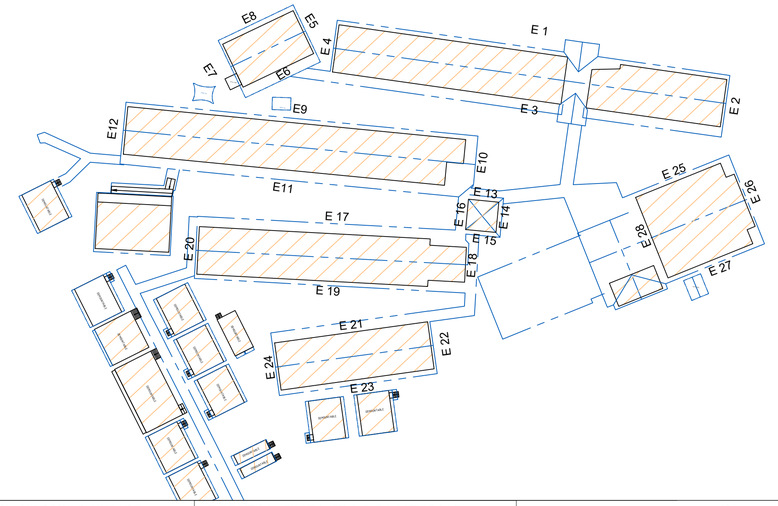






MGA

SITE PLAN - ELEVATIONS LABLES



A1

UTILITY ASSETS LEGEND

ELECTRICITY	EU	EU
COMMS TELEPHONE LINE	T	T
COMMS OPTICAL FIBRE	OU	OU
COMMS HOUSE CONNECTION	TH	TH
WATER MAIN		
RECYCLED WATER MAIN	WR	WR
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LOW PRESSURE GAS		
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SEWER MAIN	S	S
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JOB REFERENCE : A4045
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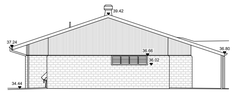
MGA

DATUM 32.00 E17



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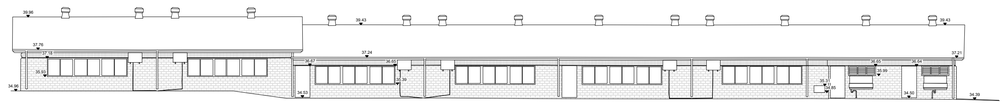

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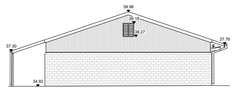

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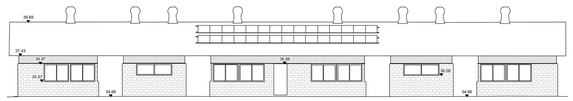

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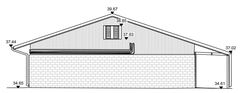

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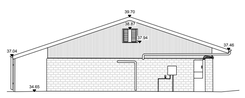

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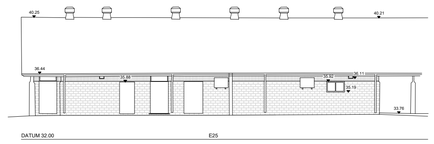

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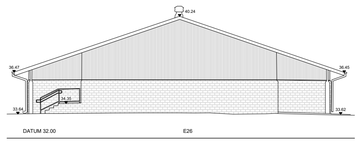

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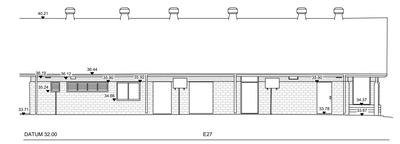
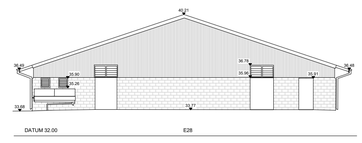
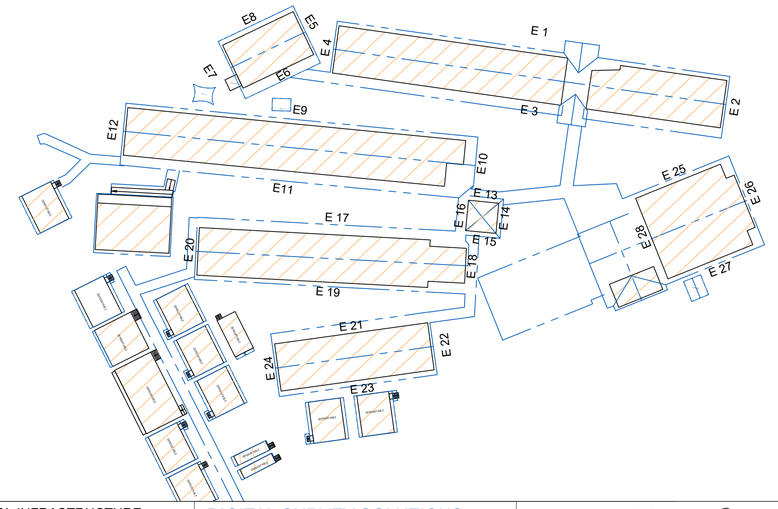


DATUM 32.00 E27



DATUM 32.00 E28

SITE PLAN - ELEVATIONS LABLES



A1

UTILITY ASSETS LEGEND

- ELECTRICITY — EU — EU
- COMMS TELEPHONE LINE — T — T
- COMMS OPTICAL FIBRE — OU — OU
- COMMS HOUSE CONNECTION — TH — TH
- WATER MAIN
- RECYCLED WATER MAIN — WR — WR
- WATER HOUSE CONNECTION — WH — WH
- LOW PRESSURE GAS
- GAS HOUSE CONNECTION — GH — GH
- SEWER MAIN — S — S
- STORMWATER PIPE — SW — SW — SW
- OVERHEAD ELECTRICITY — OHP — OHP — OHP

UTILITY MAPPING NOTES:

1. Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read inconjuction with the subsurface utility investigation report.
2. Positions are based on Astrea Class A & B point surface indicator(s) located during field survey. Confirmation of the exact position should be made to the relevant authorities prior to any excavation work. Other services may still exist.
3. This plan shows a representation of the dwg model. this model should be viewed in a cadd environment to interpret this information.
4. This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.
5. Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.
6. 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.
7. This plan includes information describing the location of subterranean features, which were purported to exist at the time of the 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, we cannot guarantee that the plan is without flaw of any kind.

SUBSURFACE UTILITY INFORMATION (SUI) ASS488 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 managed.

CLASS A: Information is the highest possible level of accuracy and is obtained by exposing the underground utility using a on-destructive excavation (pot holing) 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.

CLASS 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.

CLASS 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. Electronically traced locate marks with poor scratchy signals are represented as QL-C.

CLASS 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. GPR scans are also represented as QL-D as the GPR image cannot be confirmed to it's origin point. Depths on GPR scan must be treated as indicative only.

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT
PDJM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PWHY - HYDRANT
PWSV - STOP VALVE
PGUL - GULLY PIT
PGPM - GAS MARKER
PGTP - GAS TEST POINT
PPPL - POWER POLE
PTSP - TELSTRA PIT
TK - TOP OF KERB
PC - PRAM RAMP LP - LIP OF GUTTER
FP - FOOTPATH DW - DRIVEWAY

SERVICE TYPE / DETECTION QUALITY LEVEL / DEPTH OF SERVICE / PIPE MATERIAL & SIZE
TN/A 0.4 A100
33.15

DIAL BEFORE YOU DIG www.1100.com.au

GENERAL SURVEY NOTES :

* THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED
* COORDINATE SYSTEM MGA 2020
* LEVEL DATUM IS AHD
* IT IS THE RESPONSIBILITY OF ANY USER OF THIS DATA TO ENSURE ANY OTHER DATA BEING INTEGRATED IS ON THE SAME COORDINATE SYSTEM
* REFER TO THE FACE OF THE PLAN FOR TITLE NOTATIONS
* **BOUNDARIES HAVE BEEN DEFINED BY SURVEY**
* **CONTOURS SHOWN ARE INDICATIVE OF LAND FORM. SPOT LEVELS SHOULD TAKE PRECEDENCE.**

SCALE 1:200

0 5 10 15 20

GDA 2020

ORIGIN	SSM 123357 E 303402.851 N 6241527.047
ORIENTATION	SSM 123357 - SSM 123358
AHD ORIGIN	SSM 123357 RL31.386

CLIENT : SCHOOL INFRASTRUCTURE

PLAN IN RELATION TO : DALMENY PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019

PURPOSE: ENGINEERING DESIGN

SHEET 08 0F 08

DIGITAL SURVEY SOLUTIONS
UTITLITY MAPPING
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www.astrea.com.au

Astrea

JOB REFERENCE : A4045
DWG No.: A4045-1-D
SURVEYOR: BD
DATE OF SURVEY: SEP 2023
UTILITY LOCATOR: JP

I/D 7453

SCOTT DEVERIDGE
REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002

REV	AMENDMENTS	DATE
D	AMENDMENTS	28.02.2025
C	AMENDMENTS	17.10.2024