

A1

UTILITY ASSETS LEGEND

ELECTRICITY

COMMS TELEPHONE LINE

COMMS OPTICAL FIBRE

COMMS HOUSE CONNECTION

WATER MAIN

RECYCLED WATER MAIN

WATER HOUSE CONNECTION

LOW PRESSURE GAS

GAS HOUSE CONNECTION

SEWER MAIN

STORMWATER PIPE

OVERHEAD ELECTRICITY

— EU — EU —

— T — T —

— OU — OU —

— TH — TH —

— WR — WR —

— WH — WH —

— GH — GH —

— S — S —

— SW — SW —

— OH — OH —

UTILITY MAPPING NOTES:

1. Subsurface utility investigation was undertaken by Atea Pty Ltd, the plan is to be read in conjunction 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) AS488 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.

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT

POJ - DRAINAGE JUNCTION MANHOLE

PSMH - SEWER MANHOLE

PWHY - HYDRANT

PWSV - STOP VALVE

PQU - GULLY PIT

POPM - GAS MARKER

POTF - GAS TEST POINT

PPPL - POWER POLE

PTSP - TELSTRA PIT

TK - TOP OF KERB

LP - LIP OF GUTTER

PO - PRAM RAMP

DW - DRIVEWAY

FP - FOOTPATH

EOT - END OF TRACE

NO DIG

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 ARE INDICATIVE OF LAND FORM

\* SPOT LEVELS TAKE PRECEDENCE

SCALE 1:500

0 5 10 20 30 40 50

ORIGIN

ORIENTATION

AHD ORIGIN

SSM 86915

E 300188.105 N 6242813.062

SSM 86915 - SSM 87916

SSM 86915 RL48.750

CLIENT : DEPARTMENT OF EDUCATION

PLAN IN RELATION TO : GREENWAY PARK PUBLIC SCHOOL

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

PURPOSE: REF SUBMISSION

SHEET 01 OF 07

DIGITAL SURVEY SOLUTIONS

UTILITY 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 : A4046

DWG No.: A4046-F

SURVEYOR: BD, JD, EK

DATE OF SURVEY: SEP 2023

UTILITY LOCATOR: KE

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

SCOTT DEVERIDGE

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F

E

B

C

REV

TITLEBLOCK AMENDED

RAMP ADDED

ADDITIONAL INFORMATION ADDED

TOPOGRAPHICAL AND UTILITY MAPPING

AMENDMENTS

06.03.2025

06.11.2024

21.10.2024

18.10.2023

DATE

I/D

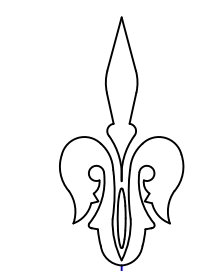
7453



TITLE NOTATIONS: (20/867282)  
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT  
2. EASEMENT FOR ELECTRICITY TRANSMISSION 1.22 WIDE APPURTENANT TO THE LAND (DP983039 AND G279717)  
3. EASEMENT FOR ELECTRICITY TRANSMISSION 1.22 WIDE APPURTENANT TO THE LAND (DP380451 AND G279718)

TITLE NOTATIONS: (11/858025)  
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT  
2. COVENANT CONTAINED IN F729137  
3. COVENANT CONTAINED IN H477459  
4. EASEMENT TO DRAIN WATER 1.22 WIDE APPURTENANT TO THE SUBJECT LAND (DP844567) REDUNDANT CARRIED FROM OLD TITLE  
5. EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE AG493080 (A)  
6. RESTRICTION ON THE USE OF LAND AG493081 (B)

MGA



TN

APPROX.

1°

CHAPMAN STREET

224°36'40"  
96.7

11  
D.P. 858025

20  
D.P. 867282

- UTILITY ASSETS LEGEND
- ELECTRICITY
- COMMS TELEPHONE LINE
- COMMS OPTICAL FIBRE
- COMMS HOUSE CONNECTION
- WATER MAIN
- RECYCLED WATER MAIN
- WATER HOUSE CONNECTION
- LOW PRESSURE GAS
- GAS HOUSE CONNECTION
- SEWER MAIN
- STORMWATER PIPE
- OVERHEAD ELECTRICITY

- UTILITY MAPPING NOTES:
- Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read in conjunction with the subsurface utility investigation report.
  - 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.
  - This plan shows a representation of the dwg model. This model should be viewed in a cadd environment to interpret this information.
  - This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.
  - Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.
  - 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.
  - 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 its origin point. Depths on GPR scan must be treated as indicative only.

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT  
FQJM - DRAINAGE JUNCTION MANHOLE  
PSMH - SEWER MANHOLE  
PW-HY - HYDRANT  
PW-SV - STOP VALVE  
PQUL - GULLY PIT  
PQPM - GAS MARKER  
PQTP - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB  
LP - LIP OF GUTTER  
PO - PRAM RAMP  
DW - DRIVEWAY  
FP - FOOTPATH  
EOT - END OF TRACE

SCALE 1:200

0 5 10 15 20

ORIGIN SSM 86915  
E 300188.105 N 6242813.062  
ORIENTATION SSM 86915 - SSM 87916  
AHD ORIGIN SSM 86915 RL48.750

GENERAL SURVEY NOTES:

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- COORDINATE SYSTEM MGA 2020
- LEVEL DATUM IS AHD
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- CONTOURS ARE INDICATIVE OF LAND FORM
- SPOT LEVELS TAKE PRECEDENCE

SCALE 1:200

0 5 10 15 20

ORIGIN SSM 86915  
E 300188.105 N 6242813.062  
ORIENTATION SSM 86915 - SSM 87916  
AHD ORIGIN SSM 86915 RL48.750

CLIENT : DEPARTMENT OF EDUCATION

PLAN IN RELATION TO :  
GREENWAY PARK PUBLIC SCHOOL

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

PURPOSE: REF SUBMISSION

SHEET 02 OF 07

DIGITAL SURVEY SOLUTIONS  
UTILITY MAPPING

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

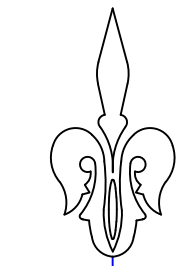
JOB REFERENCE : A4046	I/D 7453
DWG No.: A4046-F	
SURVEYOR: BD	SCOTT DEVERIDGE
DATE OF SURVEY: SEP 2023	REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
UTILITY LOCATOR: KE	
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F	TITLEBLOCK AMENDED 06.03.2025
E	RAMP ADDED 06.11.2024
C	ADDITIONAL INFORMATION ADDED 21.10.2024
B	TOPOGRAPHICAL AND UTILITY MAPPING 18.10.2023
REV	AMENDMENTS DATE



TITLE NOTATIONS: (20/867282)  
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT  
2. EASEMENT FOR ELECTRICITY TRANSMISSION 1.22 WIDE  
APPURTENANT TO THE LAND (DP983309 AND G279/17)  
3. EASEMENT FOR ELECTRICITY TRANSMISSION 1.22 WIDE  
APPURTENANT TO THE LAND (DP380451 AND G279/16)

TITLE NOTATIONS: (11/858025)  
1. RESERVATIONS AND CONDITIONS IN THE CROWN GRANT  
2. COVENANT CONTAINED IN F729137  
3. COVENANT CONTAINED IN H477459  
4. EASEMENT TO DRAIN WATER 1.2 WIDE APPURTENANT TO THE SUBJECT  
LAND (DP844557) REDUNDANT CARRIED FROM OLD TITLE  
5. EASEMENT FOR PADMOUNT SUBSTATION 2.75 VIDE AG493080 (A)  
6. RESTRICTION ON THE USE OF LAND AG493081 (B)

MGA



APPROX.  
1°

CHAPMAN ST

20  
D. P. 8 6 7 2 8 2

TOTAL  
SITE AREA  
2.721 Ha

RAD 127.46  
ARC 28.88  
CH 28.88  
241° 28'

RAD 123.66  
ARC 50.42  
CH 50.07  
236° 17'30"

186° 20'20"  
7.505

CHAPMAN ST

RAD 94.050  
ARC 46.515  
CH 46.1  
123° 31'40"

A1

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

UTILITY MAPPING NOTES:  
1. Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read in conjunction 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.  
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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 its origin point. Depths on GPR scan must be treated as indicative only.

GENERAL SURVEY LEGEND:  
DP - DRAINAGE PIT  
PDM - DRAINAGE JUNCTION MANHOLE  
PSMH - SEWER MANHOLE  
PW-HY - HYDRANT  
PWSV - STOP VALVE  
PQUL - GULLY PIT  
PPM - GAS MARKER  
POT - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB LP - LIP OF GUTTER  
PO - PRAM RAMP DW - DRIVEWAY  
FP - FOOTPATH EOT - END OF TRACE

TNA 0.4 A100  
33.15

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GENERAL SURVEY NOTES:  
• THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE MOVED  
• 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 ARE INDICATIVE OF LAND FORM  
• SPOT LEVELS TAKE PRECEDENCE

SCALE 1:200

GDA 2020

ORIGIN	SSM 86915
ORIENTATION	E 300188.105 N 6242813.062
AHD ORIGIN	SSM 86915 - SSM 87916
	SSM 86915 RL48.750

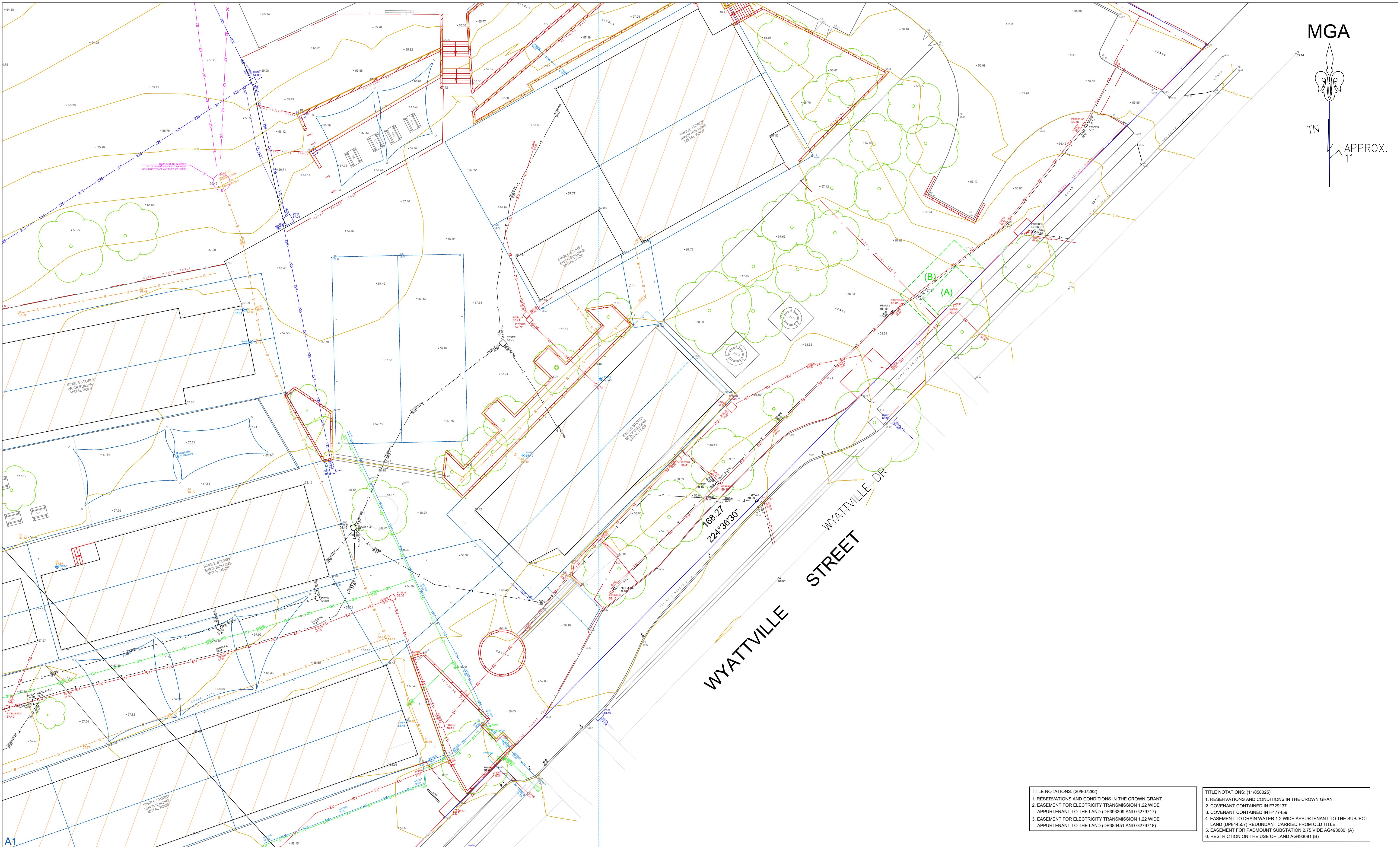
CLIENT : DEPARTMENT OF EDUCATION  
PLAN IN RELATION TO :  
GREENWAY PARK PUBLIC SCHOOL  
SHOWING : TOPOGRAPHICAL SURVEY AND  
UTILITY MAPPING IN ACCORDANCE WITH  
AS4588.1-2019  
PURPOSE: REF SUBMISSION  
SHEET 03 OF 07

DIGITAL SURVEY SOLUTIONS  
UTILITY MAPPING  
SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
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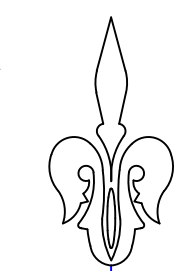
**Astrea**

JOB REFERENCE : A4046		I/D 7453
DWG No.: A4046-F		
SURVEYOR: BD		SCOTT DEVERIDGE
DATE OF SURVEY: SEP 2023		REGISTERED LAND SURVEYOR
UTILITY LOCATOR: KE		UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
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F	TITLEBLOCK AMENDED	06.03.2025
E	RAMP ADDED	06.11.2024
C	ADDITIONAL INFORMATION ADDED	21.10.2024
B	TOPOGRAPHICAL AND UTILITY MAPPING	18.10.2023
REV	AMENDMENTS	DATE





MGA



TN

APPROX. 1°

A1

UTILITY ASSETS LEGEND	
<b>ELECTRICITY</b>	
COMMS TELEPHONE LINE	— T — T —
COMMS OPTICAL FIBRE	— OU — OU —
COMMS HOUSE CONNECTION	— TH — TH —
<b>WATER MAIN</b>	
RECYCLED WATER MAIN	— WR — WR —
WATER HOUSE CONNECTION	— WH — WH —
<b>LOW PRESSURE GAS</b>	
GAS HOUSE CONNECTION	— GH — GH —
<b>SEWER MAIN</b>	
STORMWATER PIPE	— SW — SW — SW —
OVERHEAD ELECTRICITY	— OH — OH — OH —

**UTILITY MAPPING NOTES:**

- Subsurface utility investigation was undertaken by Atrea Pty Ltd, the plan is to be read in conjunction with the subsurface utility investigation report.
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DP - DRAINAGE PIT  
PJM - DRAINAGE JUNCTION MANHOLE  
PJM - SEWER MANHOLE  
PWV - HYDRANT  
PWV - STOP VALVE  
PQUL - GULLY PIT  
PQPM - GAS MARKER  
PQTP - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB LP - LIP OF GUTTER  
PO - PRAM RAMP DW - DRIVEWAY  
FP - FOOTPATH EOT - END OF TRACE

**TNA 0.4 A100 33.15**

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**SCALE 1:200**

**GDA 2020**

ORIGIN	SSM 86915
ORIENTATION	E 300188.105 N 6242813.062
AHD ORIGIN	SSM 86915 - SSM 87916
	SSM 86915 RL48.750

**CLIENT : DEPARTMENT OF EDUCATION**

**PLAN IN RELATION TO : GREENWAY PARK PUBLIC SCHOOL**

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

**PURPOSE: REF SUBMISSION**

**SHEET 04 OF 07**

**DIGITAL SURVEY SOLUTIONS**  
**UTILITY MAPPING**

SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

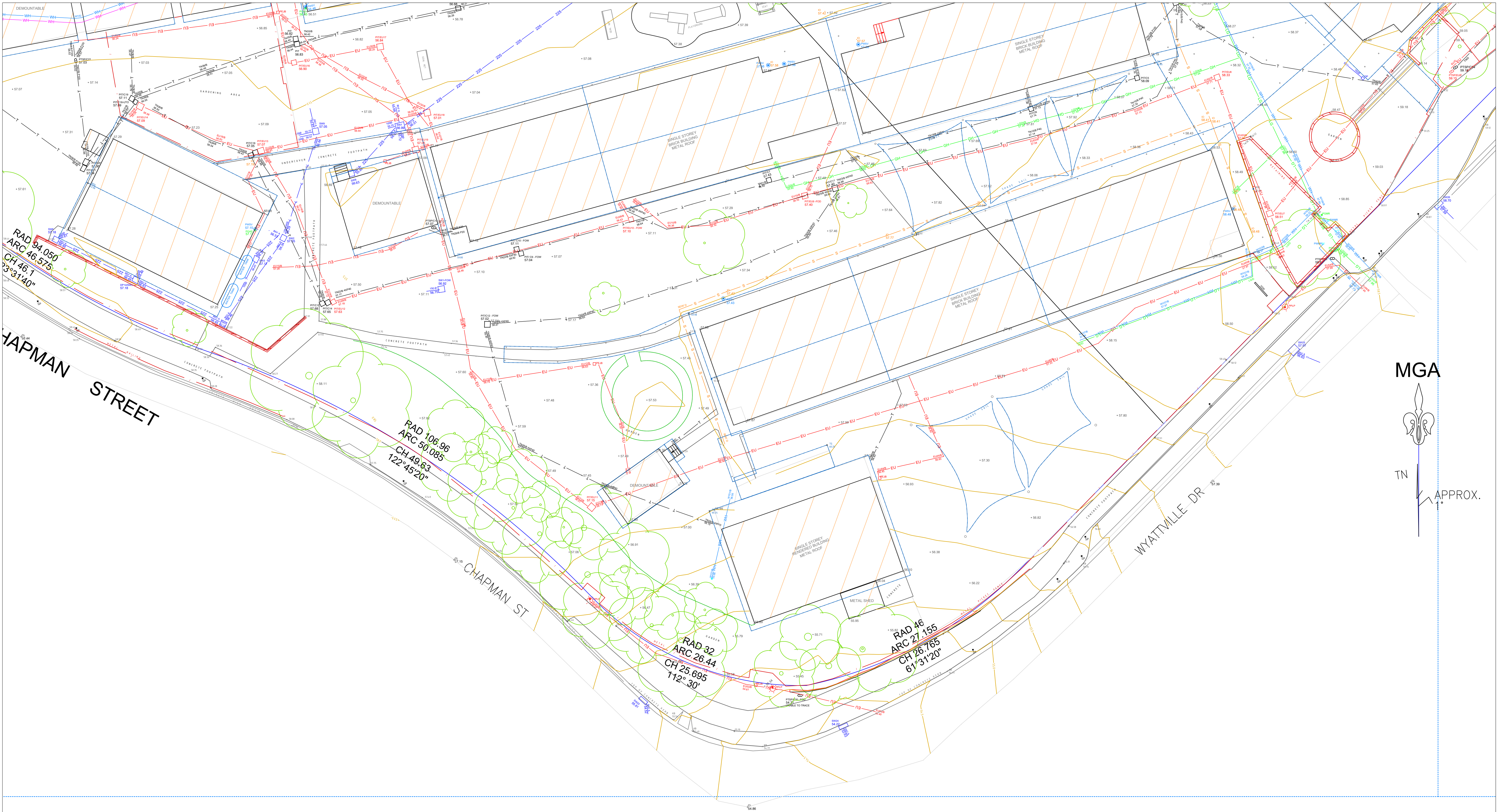
**Astrea**

JOB REFERENCE : <b>A4046</b>		
DWG No.: A4046-F		
SURVEYOR: BD		
DATE OF SURVEY: SEP 2023		
UTILITY LOCATOR: KE		
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F	TITLEBLOCK AMENDED	06.03.2025
E	RAMP ADDED	06.11.2024
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B	TOPOGRAPHICAL AND UTILITY MAPPING	18.10.2023
REV	AMENDMENTS	DATE

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

I/D 7453





A1

UTILITY ASSETS LEGEND	
ELECTRICITY	— EU — EU —
COMMS TELEPHONE LINE	— T — T —
COMMS OPTICAL FIBRE	— OU — OU —
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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) AS488 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 (spot 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 its origin point. Depths on GPR scan must be treated as indicative only.

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT  
PQJM - DRAINAGE JUNCTION MANHOLE  
PSMH - SEWER MANHOLE  
PW-HY - HYDRANT  
PWSV - STOP VALVE  
PQUL - GULLY PIT  
PQPM - GAS MARKER  
PQTP - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB LP - LIP OF GUTTER  
PO - PRAM RAMP DW - DRIVEWAY  
FP - FOOTPATH EOT - END OF TRACE

SCALE 1:200

0 5 10 15 20

ORIGIN SSM 86915  
E 300188.105 N 6242813.062  
ORIENTATION SSM 86915 - SSM 87916  
AHD ORIGIN SSM 86915 RL48.750

**DIAL BEFORE YOU DIG**  
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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 ARE INDICATIVE OF LAND FORM
- SPOT LEVELS TAKE PRECEDENCE

CLIENT : DEPARTMENT OF EDUCATION

PLAN IN RELATION TO :  
GREENWAY PARK PUBLIC SCHOOL

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

PURPOSE: REF SUBMISSION

SHEET 05 OF 07

**DIGITAL SURVEY SOLUTIONS**  
**UTILITY MAPPING**

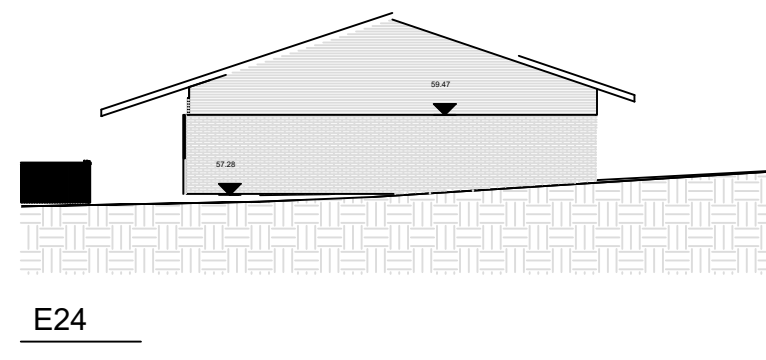
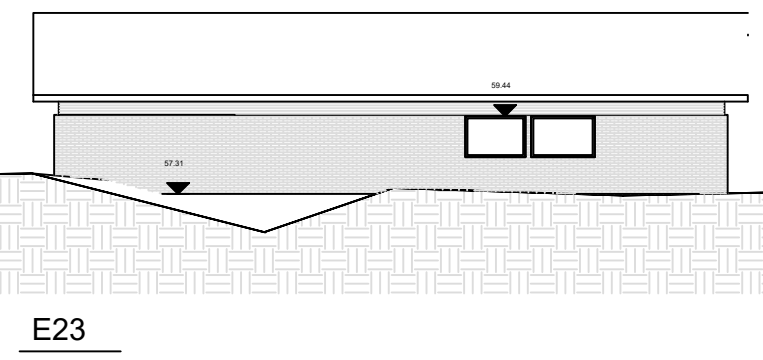
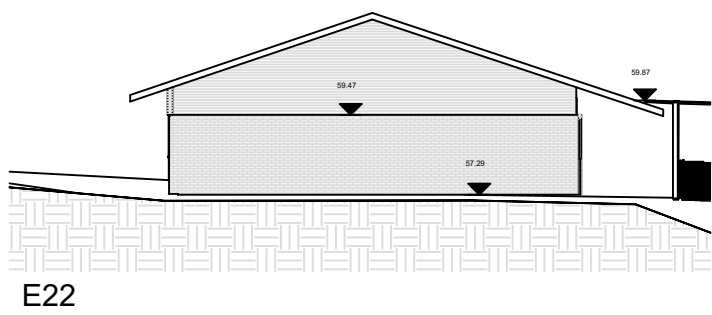
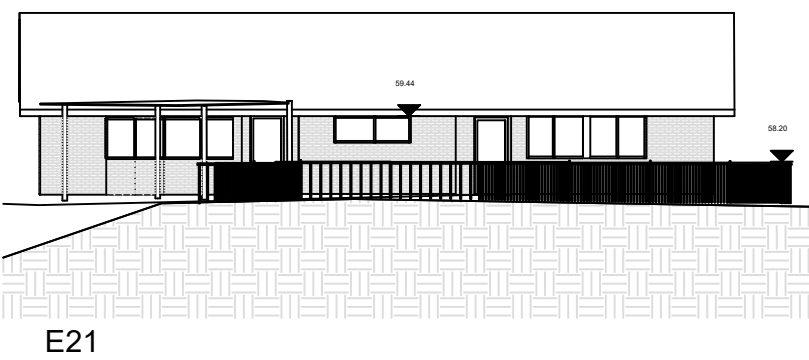
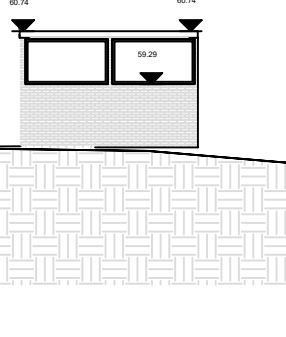
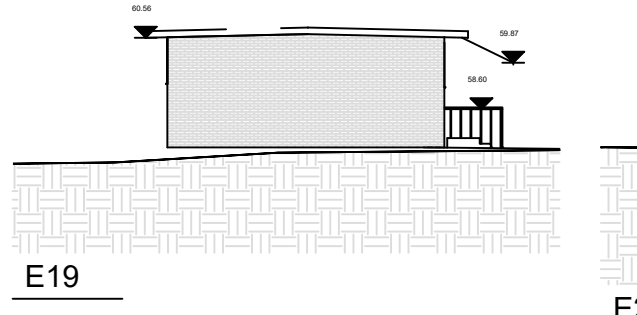
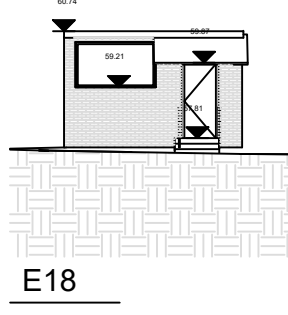
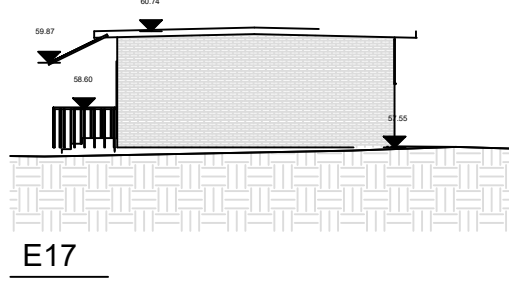
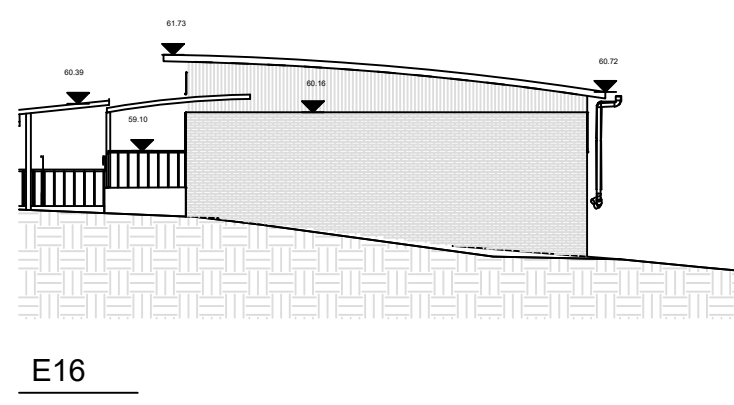
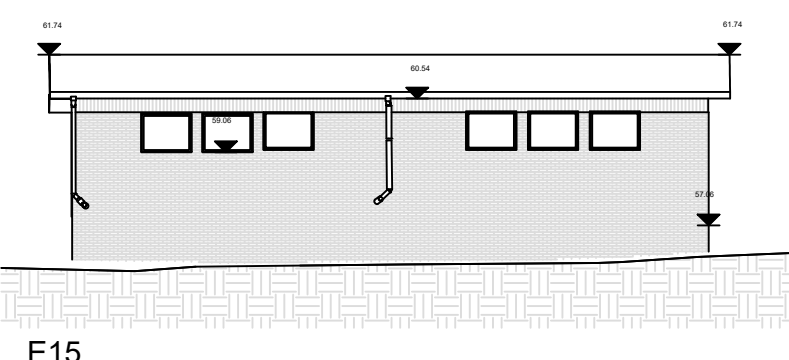
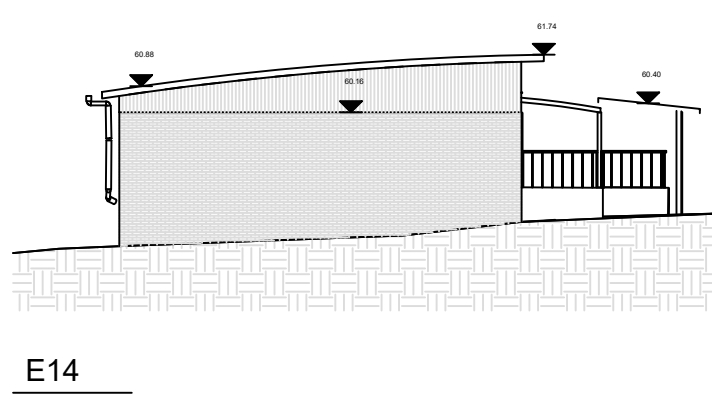
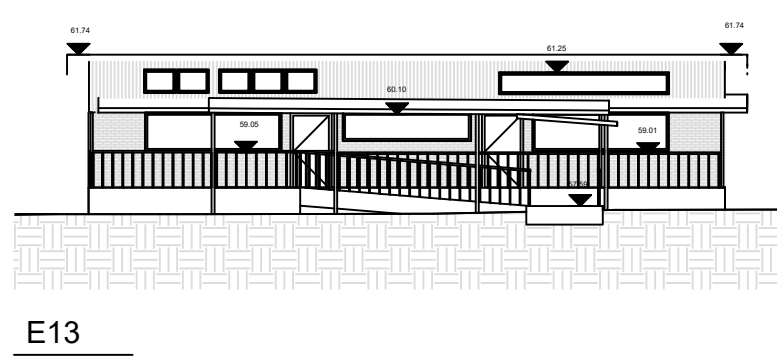
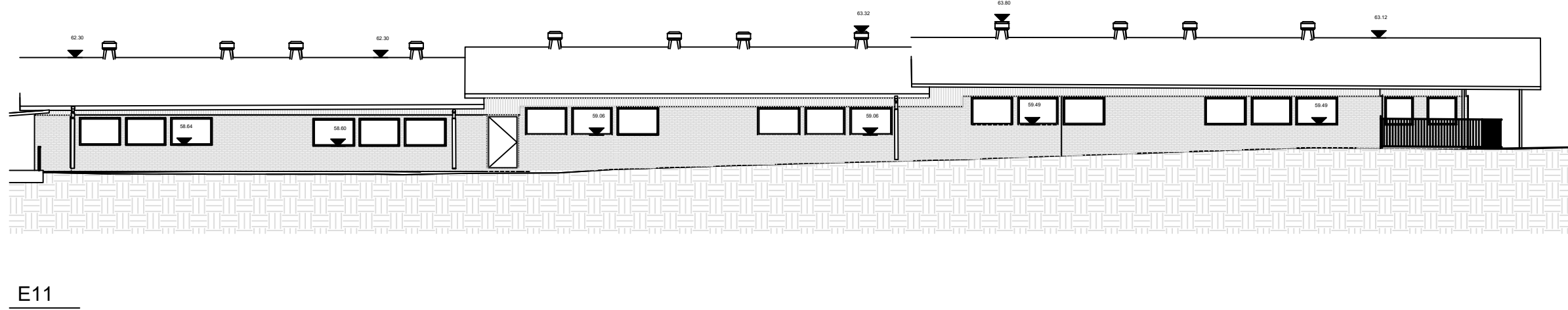
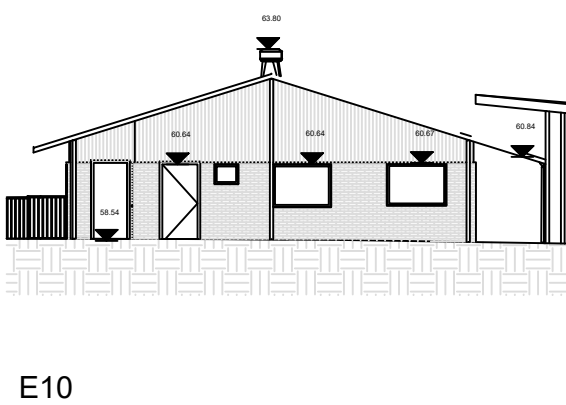
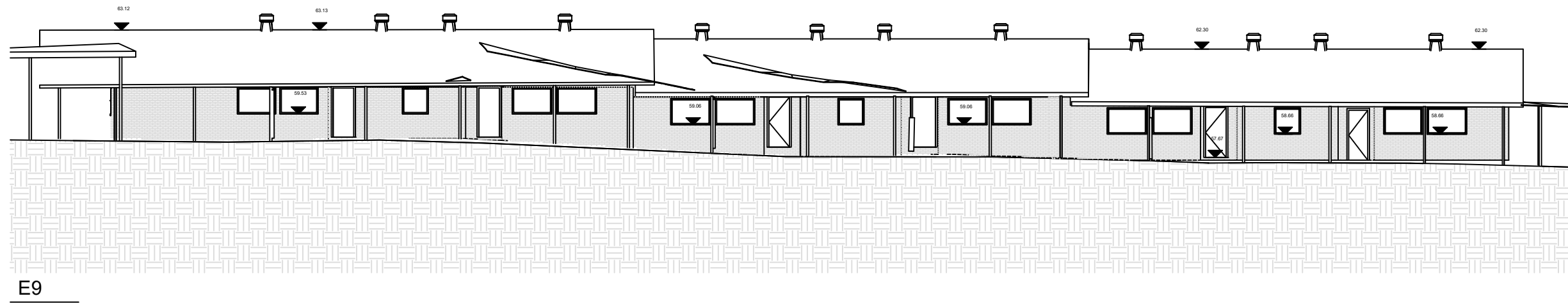
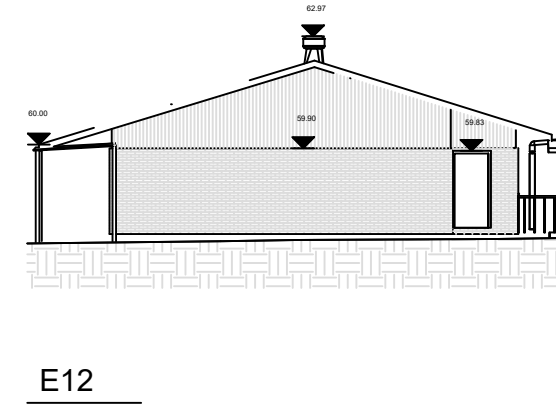
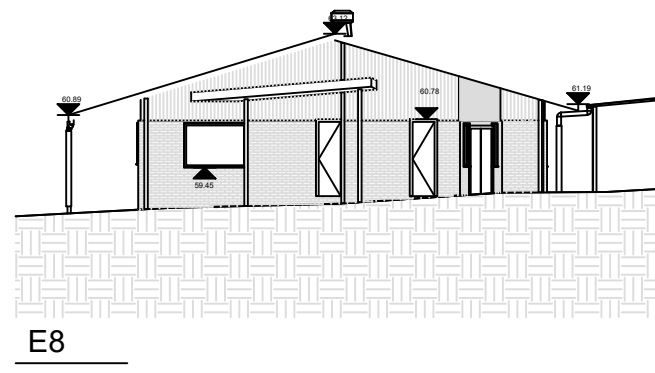
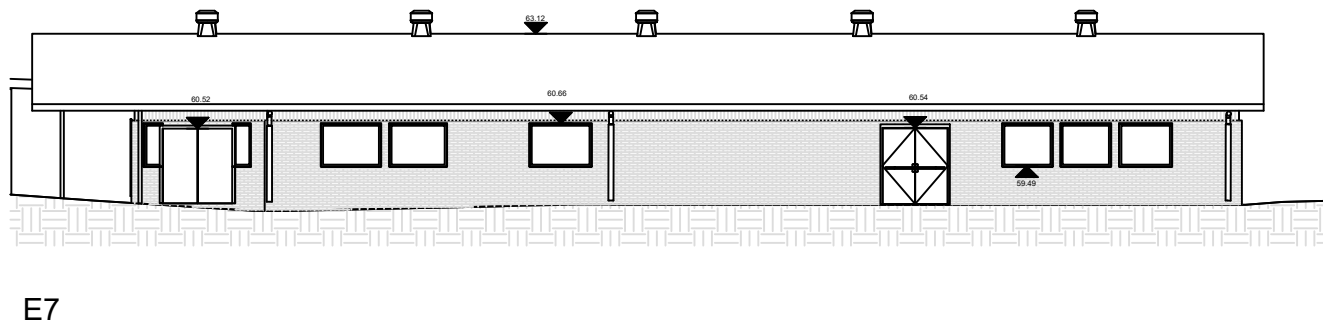
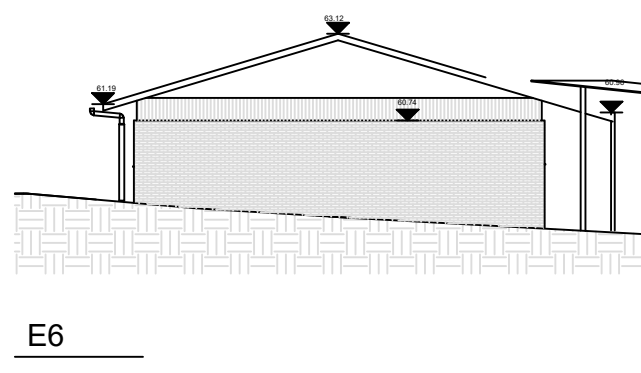
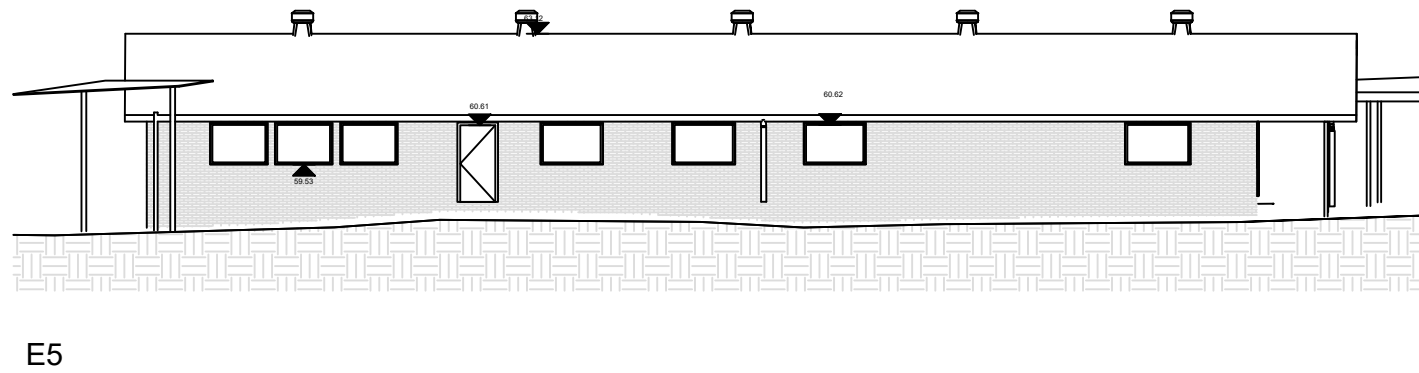
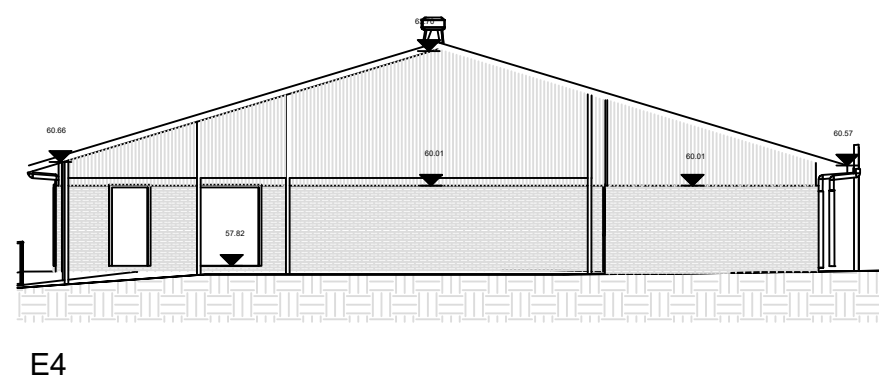
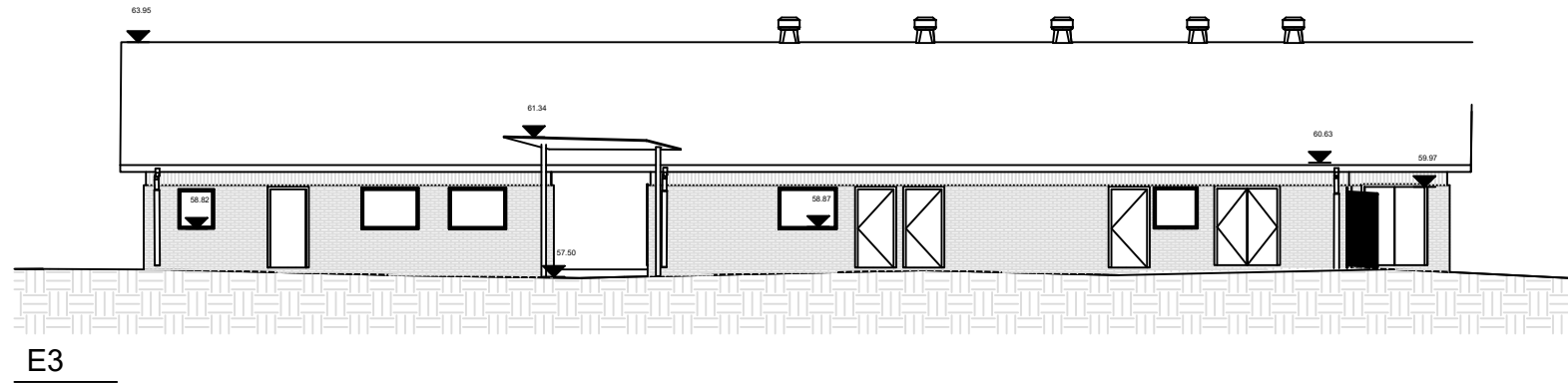
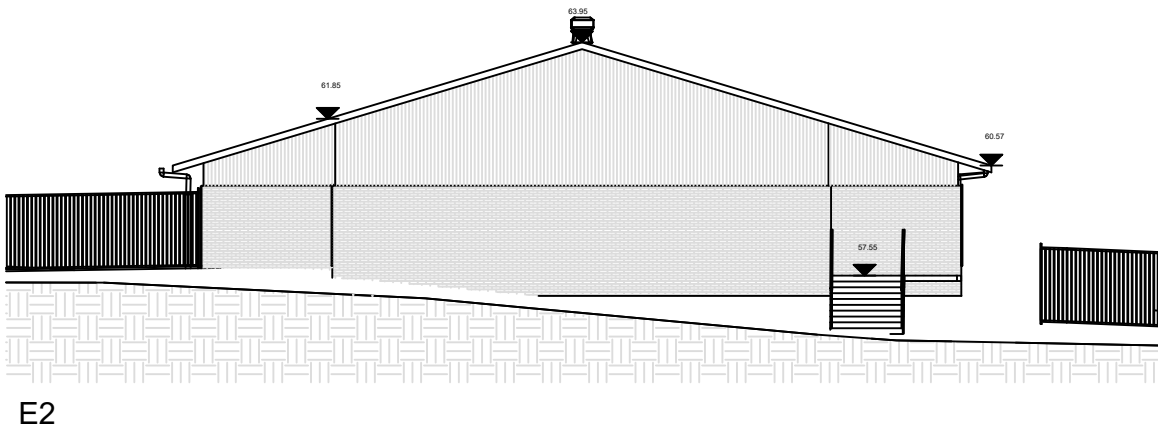
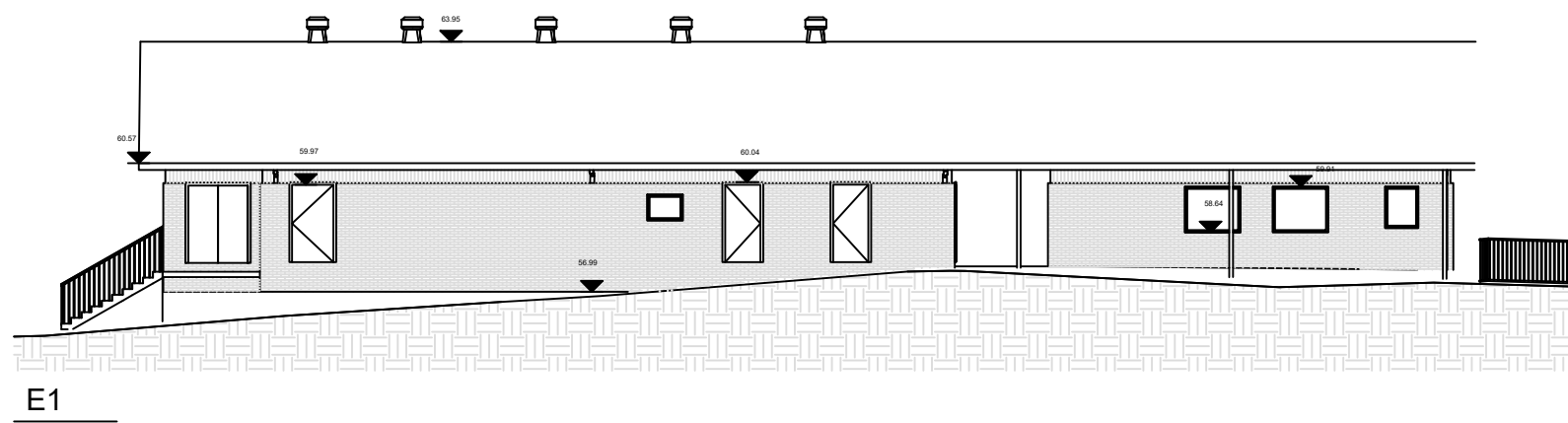
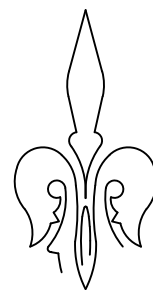
SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

**Astrea**

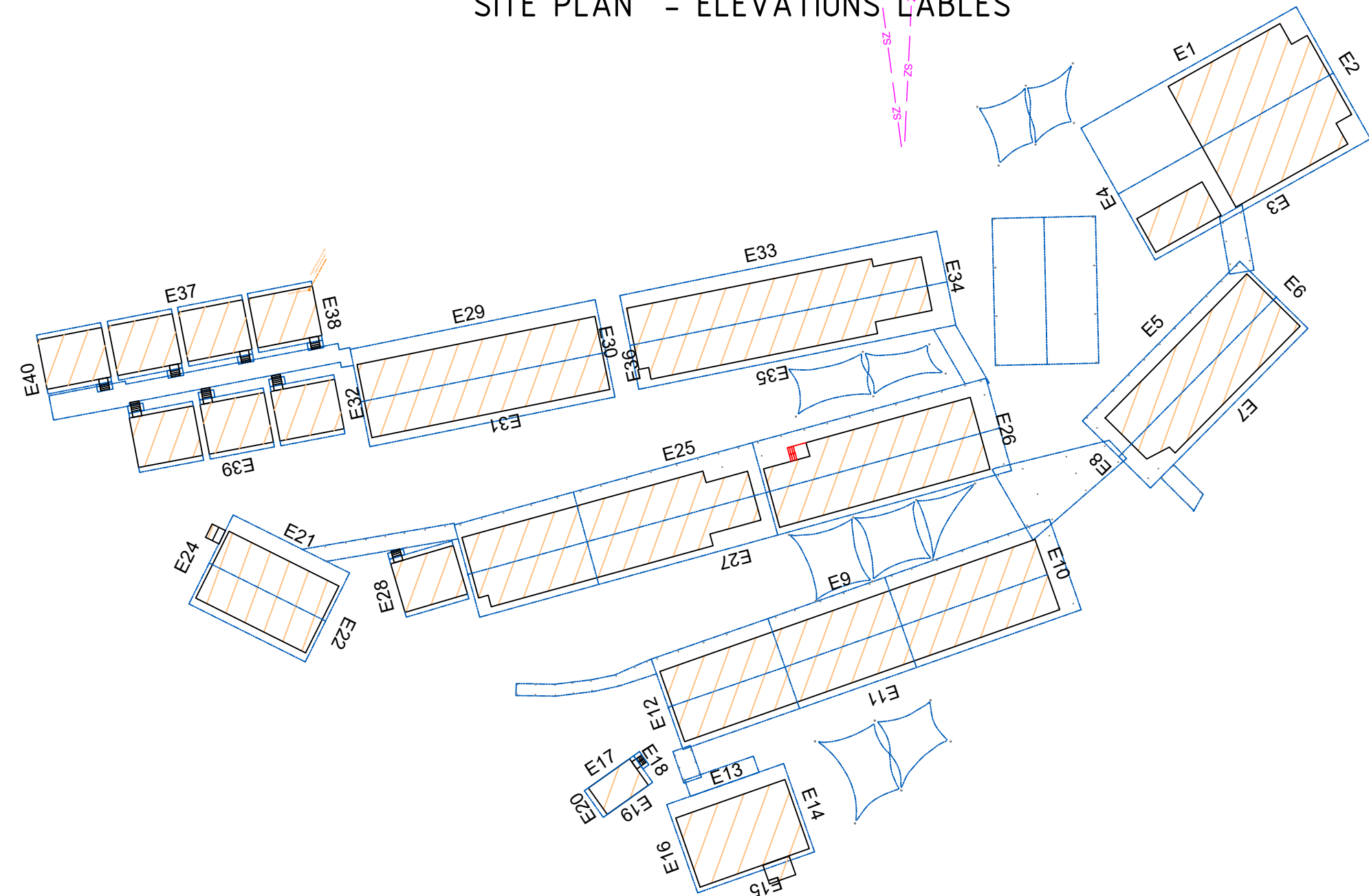
JOB REFERENCE : A4046		I/D 7453
DWG No.: A4046-F		
SURVEYOR: BD		SCOTT DEVERIDGE
DATE OF SURVEY: SEP 2023		REGISTERED LAND SURVEYOR
UTILITY LOCATOR: KE		UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
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F	TITLEBLOCK AMENDED	06.03.2025
E	RAMP ADDED	06.11.2024
C	ADDITIONAL INFORMATION ADDED	21.10.2024
B	TOPOGRAPHICAL AND UTILITY MAPPING	18.10.2023
REV	AMENDMENTS	DATE



MGA



SITE PLAN - ELEVATIONS LABELS



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	— OH — OH — OH —

UTILITY MAPPING NOTES:

- Subsurface utility investigation was undertaken by Astrea Pty Ltd, the plan is to be read in conjunction with the subsurface utility investigation report.
- 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.
- This plan shows a representation of the dwg model. This model should be viewed in a cadd environment to interpret this information.
- This utility plan is valid for 28 days starting from the date of the issue, as underground utility works are often updated.
- Electricity cables are not necessarily enclosed in conduits and are not necessarily covered with markers, tape or other indicators of their presence.
- 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.
- 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) AS488 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 its origin point. Depths on GPR scan must be treated as indicative only.

GENERAL SURVEY LEGEND:

DP - DRAINAGE PIT  
DQM - DRAINAGE JUNCTION MANHOLE  
PSMH - SEWER MANHOLE  
PW-HY - HYDRANT  
PWSV - STOP VALVE  
PQUL - GULLY PIT  
PGPM - GAS MARKER  
POTTF - GAS TEST POINT  
PPPL - POWER POLE  
PTSP - TELSTRA PIT  
TK - TOP OF KERB LP - LIP OF GUTTER  
PO - PRAM RAMP DW - DRIVEWAY  
FP - FOOTPATH EOT - END OF TRACE

33.15  
TNA 0.4 A100

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GENERAL SURVEY NOTES:

- THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED
- COORDINATE SYSTEM MGA 2020
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- CONTOURS ARE INDICATIVE OF LAND FORM
- SPOT LEVELS TAKE PRECEDENCE

SCALE 1:200

0 5 10 15 20

GDA 2020

ORIGIN	SSM 86915
ORIENTATION	E 300188.105 N 6242813.062
AHD ORIGIN	SSM 86915 - SSM 87916
	SSM 86915 RL48.750

CLIENT : DEPARTMENT OF EDUCATION

PLAN IN RELATION TO :  
GREENWAY PARK PUBLIC SCHOOL

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

PURPOSE: REF SUBMISSION

SHEET 06 OF 07

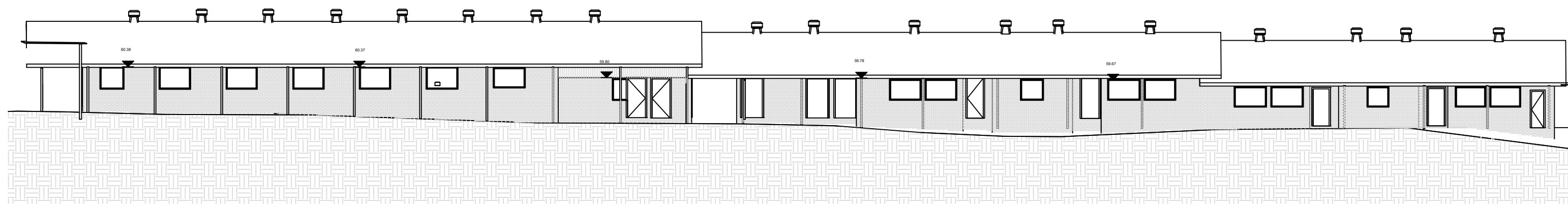
DIGITAL SURVEY SOLUTIONS  
UTILITY MAPPING

SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK  
39 DELHI ROAD, NORTH RYDE 2113  
SCOTT DEVERIDGE 0425 285 270  
www.astrea.com.au

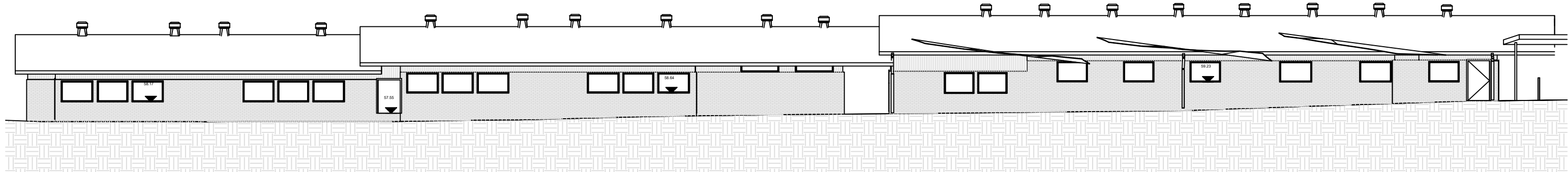
**Astrea**

JOB REFERENCE : A4046	I/D 7453
DWG No.: A4046-F	
SURVEYOR: BD	SCOTT DEVERIDGE
DATE OF SURVEY: SEP 2023	REGISTERED LAND SURVEYOR
UTILITY LOCATOR: KE	UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
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F	TITLEBLOCK AMENDED 06.03.2025
E	RAMP ADDED 06.11.2024
C	ADDITIONAL INFORMATION ADDED 21.10.2024
B	TOPOGRAPHICAL AND UTILITY MAPPING 18.10.2023
REV	AMENDMENTS DATE

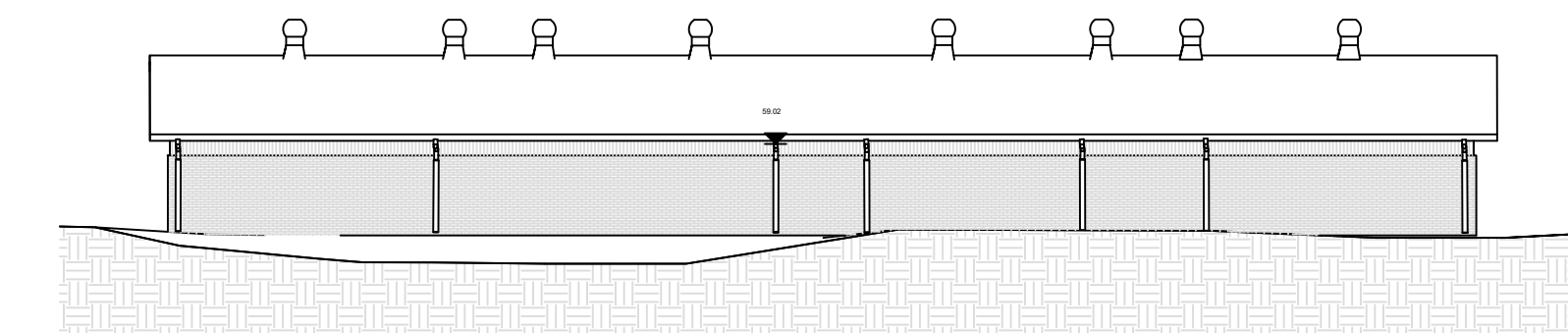




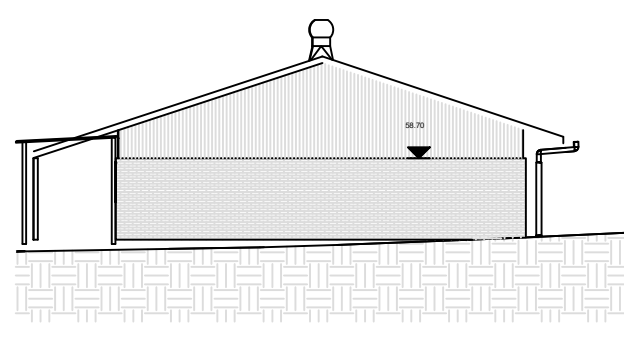
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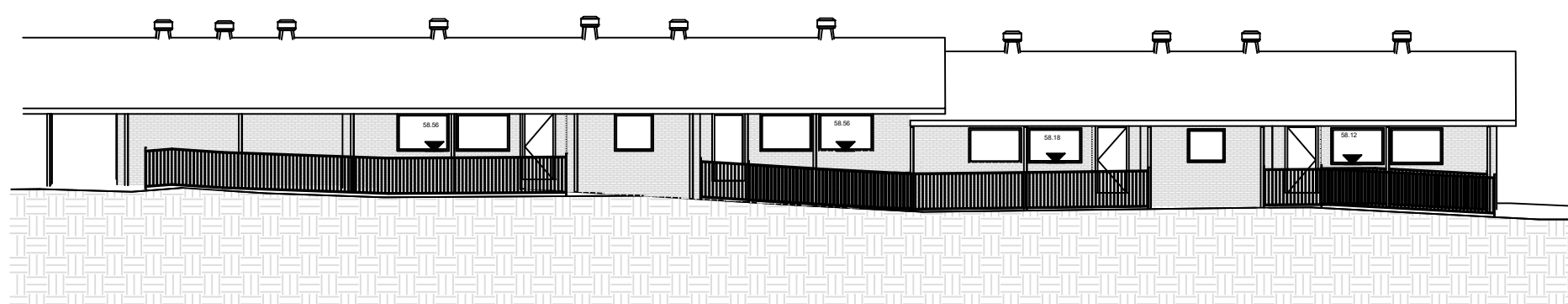
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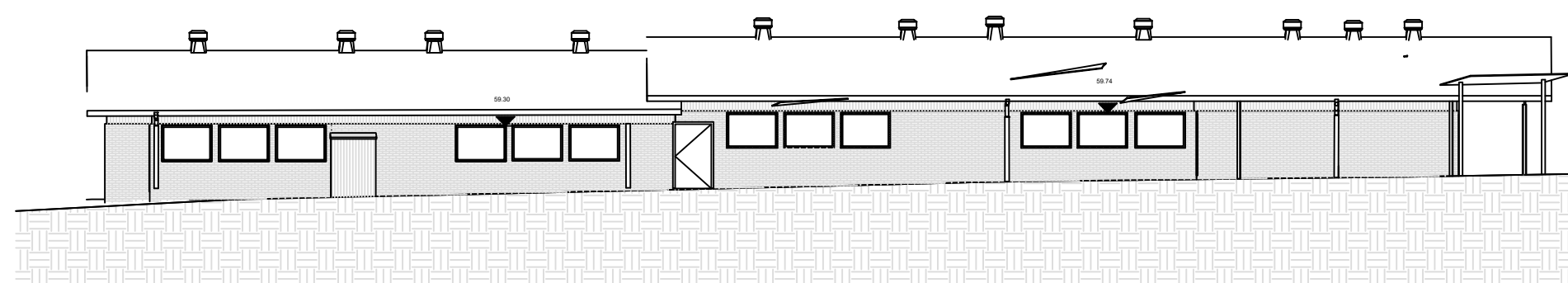
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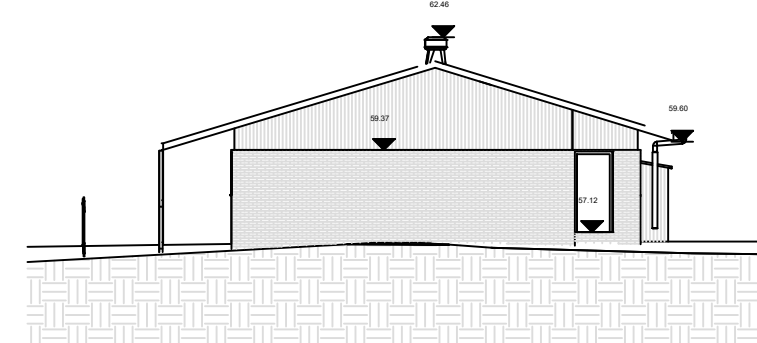
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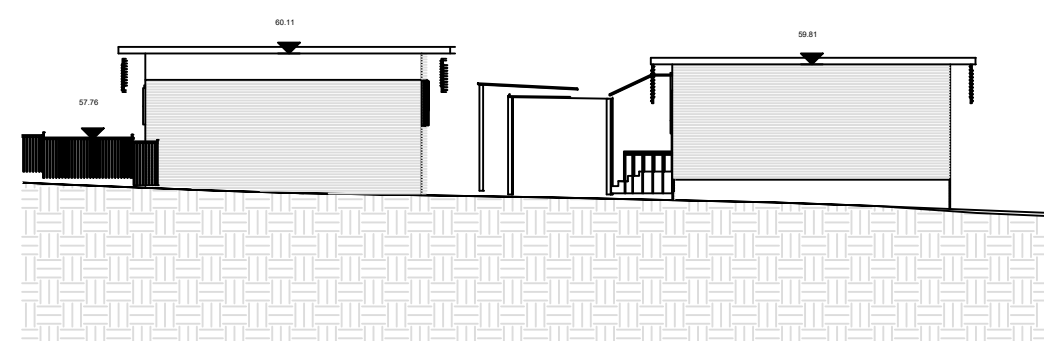
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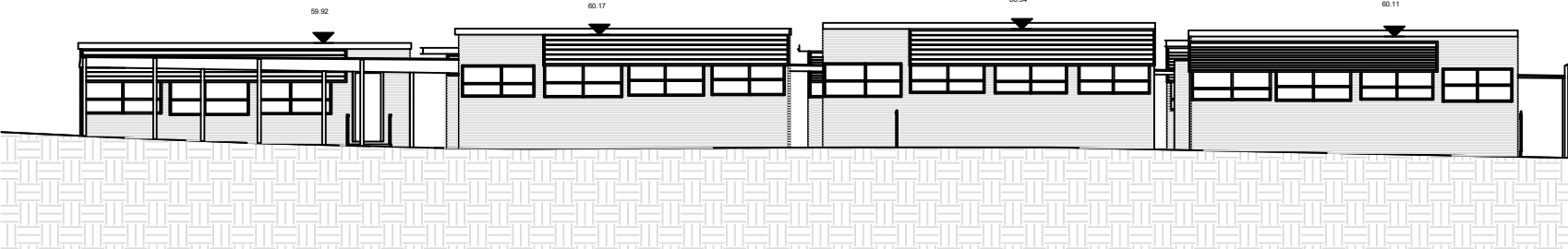
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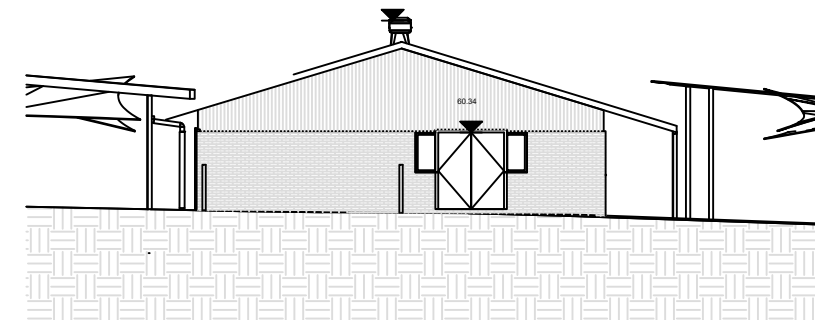
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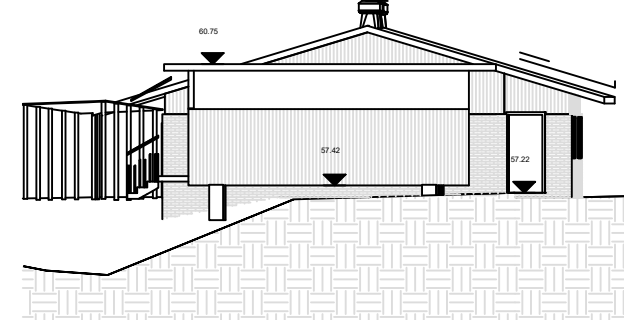
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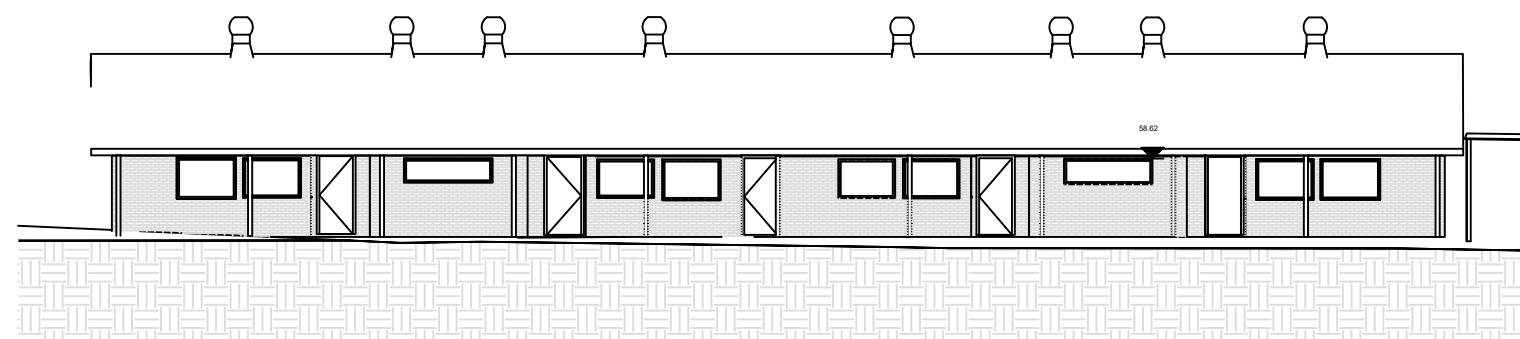
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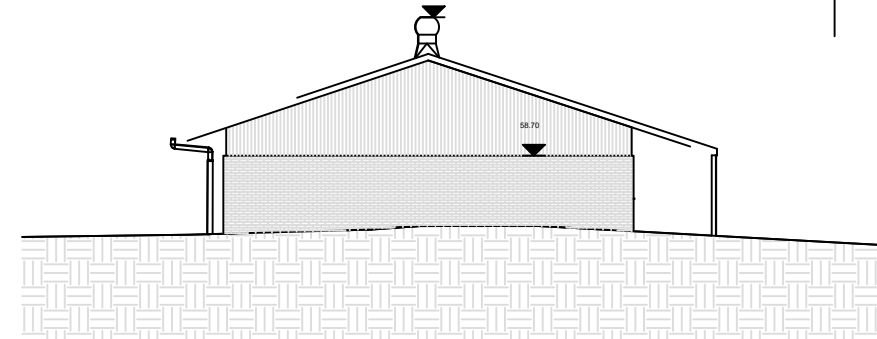
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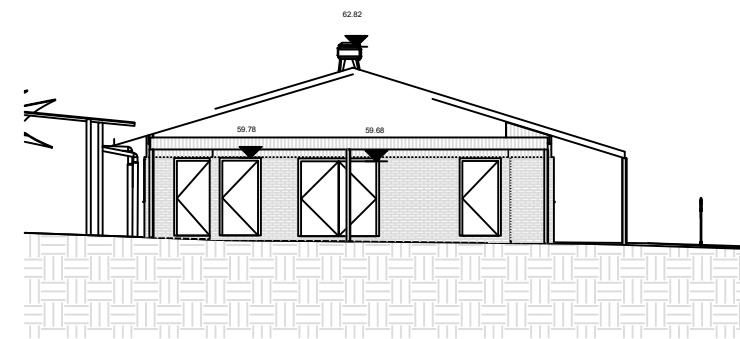
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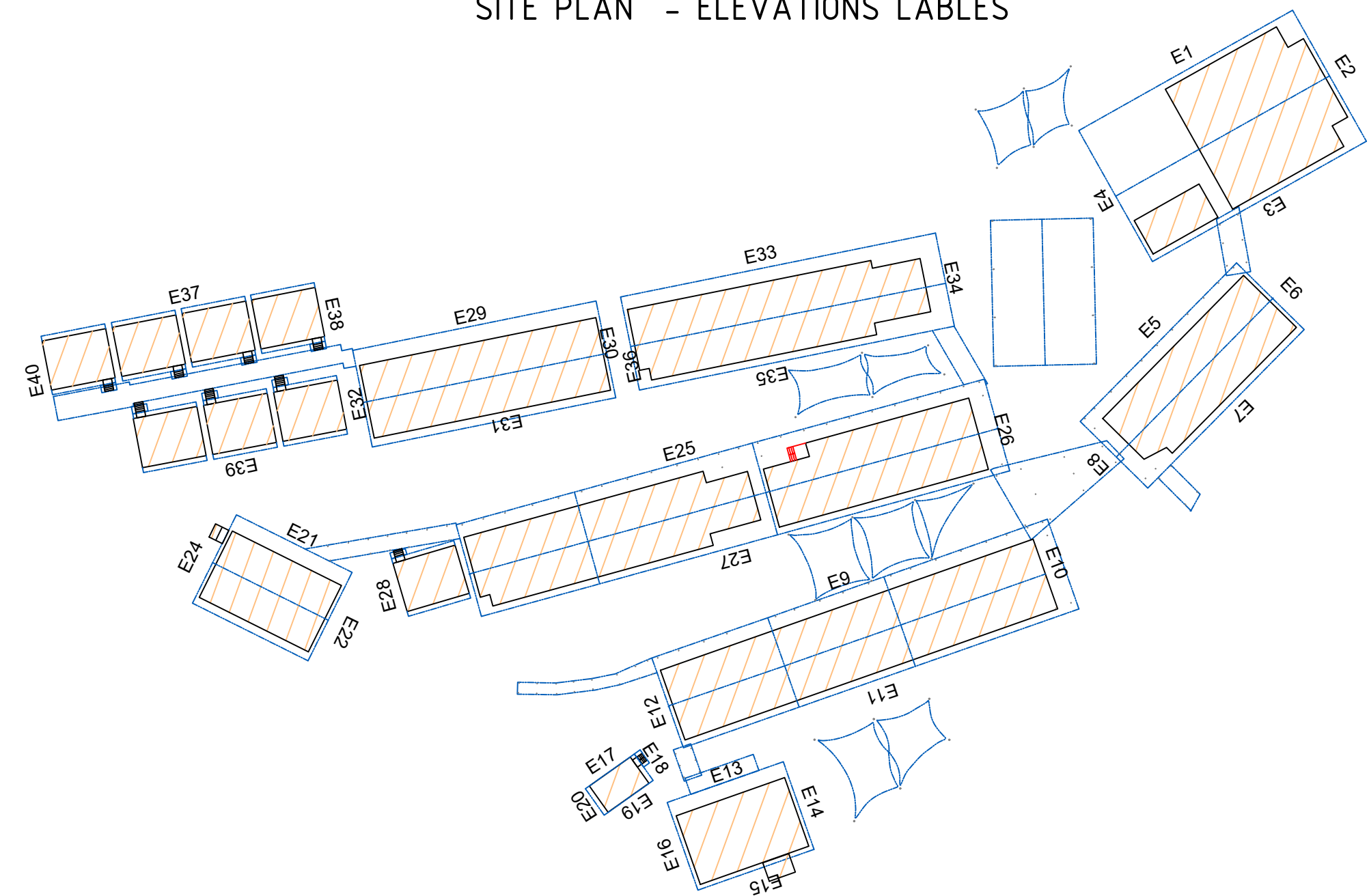


E34

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 —
WATER HOUSE CONNECTION	— WH — WH —
LOW PRESSURE GAS	—
GAS HOUSE CONNECTION	— GH — GH —
SEWER MAIN	— S — S —
STORMWATER PIPE	— SW — SW — SW —
OVERHEAD ELECTRICITY	— OH — OH — OH —

UTILITY MAPPING NOTES:

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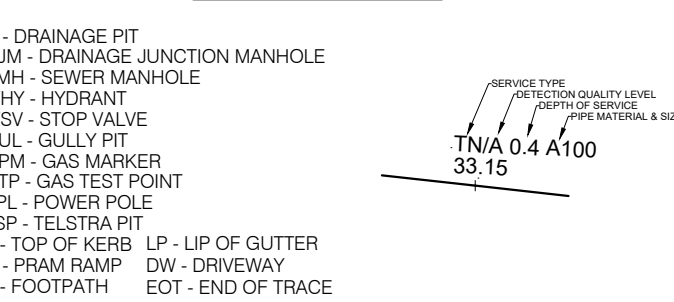
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### GENERAL SURVEY LEGEND:



GENERAL SURVEY NOTES:	
• THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED	
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• LEVEL DATUM IS AHD	
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• CONTOURS ARE INDICATIVE OF LAND FORM	
• SPOT LEVELS TAKE PRECEDENCE	
SCALE 1:200	
0 5 10 15 20	
ORIGIN	SSM 86915
ORIENTATION	E 300188.105 N 6242813.062
AHD ORIGIN	SSM 86915 - SSM 87916
	SSM 86915 RL48.750

CLIENT : DEPARTMENT OF EDUCATION
PLAN IN RELATION TO : GREENWAY PARK PUBLIC SCHOOL
SHOWING : TOPOGRAPHICAL SURVEY AND UTILITY MAPPING IN ACCORDANCE WITH AS4588.1-2019
PURPOSE: REF SUBMISSION
SHEET 07 OF 07

DIGITAL SURVEY SOLUTIONS UTILITY MAPPING	
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Astrea	

JOB REFERENCE : A4046	I/D 7453
DWG No.: A4046-F	
SURVEYOR: BD	SCOTT DEVERIDGE
DATE OF SURVEY: SEP 2023	REGISTERED LAND SURVEYOR
UTILITY LOCATOR: KE	UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
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F	TITLEBLOCK AMENDED 06.03.2025
E	RAMP ADDED 06.11.2024
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REV	AMENDMENTS DATE