

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 Atea 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
PDJM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PWHY - HYDRANT
PWSV - STOP VALVE
PQUL - GULLY FIT
PQPM - GAS MARKER
PGTP - GAS TEST POINT
PPPL - POWER POLE
PTSP - TELSTRA PIT
TK - TOP OF KERB
PC - PSAM RAMP
FP - FOOTPATH
TW - TOP OF WALL
TF - TOP OF FENCE

LP - LIP OF GUTTER
DW - DRIVEWAY
EOT - END OF TRACE
UTO - UNABLE TO TRACE
FOD - FULL OF DIRT
TG - TOP OF ROOF GUTTER
RSG - ROOF RIDGE

GENERAL SURVEY NOTES:

- THIS TITLES LOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED
- COORDINATE SYSTEM MGA 2020 ZONE 56
- LEVEL DATUM IS AHDT1
- 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 1:800

0 10 20 30 40 50 60 70 80

ORIGIN SS146837
E:320781.682 N:6232486.032
ORIENTATION SS 146837 - PM 50616
AHD ORIGIN SS 146837 RL 109.976

DIAL BEFORE YOU DIG
www.1100.com.au

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SCALE 1:800

0 10 20 30 40 50 60 70 80

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E:320781.682 N:6232486.032
ORIENTATION SS 146837 - PM 50616
AHD ORIGIN SS 146837 RL 109.976

CLIENT : SCHOOLS INFRASTRUCTURE	
PLAN IN RELATION TO : SUTHERLAND PUBLIC SCHOOL	
SHOWING : PLAN SHEETING	
PURPOSE: DUE DILIGENCE-DESIGN	
SHEET 01 OF 05	

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

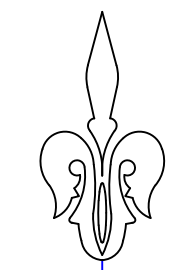
JOB REFERENCE : A4050	I/D 7453
DWG No. A4050-TOP&UTIL-REV-E	
SURVEYOR: BD,JD	REGISTERED LAND SURVEYOR
DATE OF SURVEY: OCT 2023	UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
UTILITY LOCATOR: LB	
© ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED	
D	PIT ANNOTATION ADDED 08.10.2024
C	ADDITIONAL SURVEY DATA 30.09.2024
B	AMENDMENTS 26.08.2024
A	PLAN SHEETING 16.11.2023
REV	AMENDMENTS DATE

SHEET 02

SHEET 03

SHEET 04

MGA



TN

APPROX. 1°





APPROX



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 —
OVERHEAD ELECTRICITY	— OH — OH — OH —

1. Subsurface utility investigation was undertaken by Area Pty Ltd. The plan is to be read in conjunction with the subsurface utility investigation report.
2. Position of the proposed excavation is indicated by a red dot (●) 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. The proposed excavation area is indicated by a red circle (○) 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.
4. The utility is valid for 28 days starting from the date of the issue, as understood by the relevant authorities.
5. Electricity cables are not necessarily encased 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 clarity. However, it is not possible to guarantee the accuracy of this approach. All services need to be worked.
6. This plan includes information located in the database of subterranean features, which is not necessarily up to date 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, however, we cannot accept any liability for the accuracy of any kind.

SUBSURFACE UTILITY INFORMATION (SUI) ASS448 LOCATION CLASS

Labelling utility information by a classification code allows the use of this information to understand clearly how the information was collected and then place an appropriate

CLASS A: Information is the highest possible level of accuracy and is obtained by observing the underground utility using an on-destructive excavation (pot holing) technique. The vertical information for this locating method is the top of 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, sonar or flex sensors. This method is used to locate underground utilities in a trench. This is a 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 magnetic fields, soil conditions and multiple banks of cables affecting the locating signal.

CLASS C: Information is collected by consulting the survey of visible utility surface locations or by using a ground penetrating radar (GPR) or accurate Direct Before-You-Dig plan to "draw" a string which shows the approximate position of services. This method does not truly show multiple banks of cables and does not always show three dimensional information. Electrically traced locate marks with poor boundary signals are represented as O-C's.

CLASS D: Information is the most basic level of utility locations using only information obtained on existing Direct Before-You-Dig plans and by measuring boundary offsets only. 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 O-C's as the GPR image cannot be confirmed to its origin point. Depths on GPR scans are

DP - DRAINAGE PIT
 PLUM - DRAINAGE JUNCTION MANHOLE
 PSMH - JUNCTION MANHOLE
 PWHY - HYDRANT
 PVAL - STOP VALVE
 PGUL - GULLY PIT
 PGPM - GAS MARKER
 PGPT - GAS TEST POINT
 PPL - POWER POLE
 PTSL - ELECTRICAL
 TK - TOP OF KERN
 CR - CRAM RAMP
 PCD - PCD OF CURB
 TW - TOP OF WALL
 TF - TOP OF FENCE

LP - LIP OF GUTTER
 DW - DRIVEWAY
 EOT - END OF TRACE
 LU - UNABLE TO TRACE
 FOD - FLOW OF DIRT
 TD - TOP OF ROOF GUTTER
 RG - ROOF RIDGE

SERVICE LINE
 (LOCATION OF SERVICE LINE OF PIPE
 LOCATED AT THE TOP OF PIPE)

SERVICE TIE
 (LOCATION OF SERVICE TIE
 LOCATED AT THE TOP OF PIPE)

TNA 1210
 33.15

DIAL BEFORE YOU DIG
 www.1100.com.au

* THIS TITLEBLOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED

* COORDINATE SYSTEM MGA 2020 ZONE 56

* LEVEL DATUM IS AHND71

* 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 1:250

0 5 10 15 20 25

	ORIGIN	SS146837 E 320781.682 N 623248.036
	ORIENTATION	SS 146837 - PM 50616
	AHD ORIGIN	SS 146837 RL 109.976

PLAN IN RELATION TO : SUTHERLAND PUBLIC SCHOOL
SHOWING : TOPOGRAPHICAL SURVEY & UTILITIES INVESTIGATION

SHEET 02 OF 05

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

Astrea

AUTO CONSOL 2686-159 (LOTS 1 AND 2 IN DP 6600)
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

AUTO CONSOL 2284-67 (LOTS 3 AND 4 IN DP 6600)
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

AUTO CONSOL 868-80 (LOTS 5-10 SEC 45 DP 802)
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS

CT's 5/6600, 6/6600, 7/6600, 8/6600, 9/6600, 10/6600
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

CT's 1/376201, 2/376201, 3/376201, 4/376201
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

CT 3/104516
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

CT 1/433017
1. LAND EXCLUDES MINERALS

UTILITY LOCATOR: LB

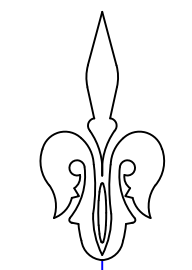
UNDER THE SURVEYING AND
SPATIAL INFORMATION ACT, 2002

A	BUILDING DESCRIPTION	16 11 20
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NO.	BOILING DESCRIPTION	10.11.2019
884	100% WATER	5.475



MGA



TN

APPROX.
1°

SUBJECT TITLE NOTATIONS :-

AUTO CONSOL 2686-159 (LOTS 1 AND 2 IN DP 6600)
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

AUTO CONSOL 2284-67 (LOTS 3 AND 4 IN DP 6600)
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

AUTO CONSOL 868-80 (LOTS 5-10 SEC 45 DP 802)
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS

CT's 5/6600, 6/6600, 7/6600, 8/6600, 9/6600, 10/6600
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

CT's 1/376201, 2/376201, 3/376201, 4/376201
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

CT 3/104516
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS
2. LAND EXCLUDES MINERALS

CT 1/433017
1. LAND EXCLUDES MINERALS

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:
- 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) 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 NOTES:
- 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:

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PDJM - DRAINAGE JUNCTION MANHOLE
PSMH - SEWER MANHOLE
PSWY - SEWER Y
PSWV - STOP VALVE
PQUL - GULLY PIT
PQPM - GAS MARKER
PQTP - GAS TEST POINT
PPPL - POWER POLE
PTSP - TELSTRA PIT
TK - TOP OF KERB
PC - PRAM RAMP
FP - FOOTPATH
TF - TOP OF FENCE

LP - LIP OF GUTTER
DW - DRIVEWAY
EOT - END OF TRACE
LTO - UNABLE TO TRACE
FOD - FULL OF DIRT
TFW - TOP OF WALL
RSG - ROOF RIDGE

QUALITY LEVEL
TN/A A100
SS 15

REVERSE TYPE
LOCATION OF CENTRE OF PIPE
LEVEL OF THE TOP OF PIPE

DIAL BEFORE YOU DIG
www.1100.com.au

GENERAL SURVEY NOTES:

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- COORDINATE SYSTEM MGA 2020 ZONE 56
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SCALE 1:250

0 5 10 15 20 25

ORIGIN SS146837
E:320781.682 N:6232486.032
ORIENTATION SS146837 - PM 50616
AHD ORIGIN SS146837 RL 109.976

GDA 2020

CLIENT : SCHOOLS INFRASTRUCTURE

PLAN IN RELATION TO :
SUTHERLAND PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY
& UTILITIES INVESTIGATION

PURPOSE: DUE DILIGENCE-DESIGN

SHEET 03 OF 05

DIGITAL SURVEY SOLUTIONS
UTILITY MAPPING

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

Astrea

JOB REFERENCE : A4050
DWG No. A4050-TOP&UTIL-REV-E
SURVEYOR: BD,JD
DATE OF SURVEY: OCT 2023
UTILITY LOCATOR: LB

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

© ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED

D	PIT ANNOTATION ADDED	08.10.2024
C	ADDITIONAL SURVEY DATA	30.09.2024
B	AMENDMENTS	26.08.2024
A	BUILDING DESCRIPTION	16.11.2023
REV	AMENDMENTS	DATE

A1

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EOT - END OF TRACE
UTO - UNABLE TO TRACE
FOD - FULL OF DIRT
TG - TOP OF ROOF GUTTER
RDG - ROOF RIDGE

REPLACE TYPE
PROTECT QUALITY LEVEL
PIPE MATERIAL & SIZE

TN/A A100
33.15

SERVICE LOCATION
LOCATION OF CENTRE OF PIPE
LEVEL AT THE TOP OF PIPE

DIAL BEFORE YOU DIG
www.1100.com.au

GENERAL SURVEY NOTES:

- THIS TITLER/LOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE MOVED
- COORDINATE SYSTEM MGA 2020 ZONE 56
- LEVEL DATUM IS AHD71
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SCALE 1:250

0 5 10 15 20 25

GDA 2020

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ORIENTATION	E:320781.682 N:6232486.032
AHD ORIGIN	SS 146837 - PM 50616
	SS 146837 RL 109.976

CLIENT : SCHOOLS INFRASTRUCTURE

PLAN IN RELATION TO :
SUTHERLAND PUBLIC SCHOOL

SHOWING : TOPOGRAPHICAL SURVEY
& UTILITIES INVESTIGATION

PURPOSE: DUE DILIGENCE-DESIGN

SHEET 04 OF 05

DIGITAL SURVEY SOLUTIONS
UTILITY MAPPING

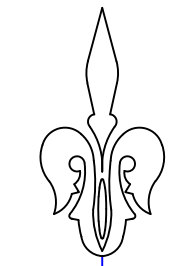
SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK
39 DELHI ROAD, NORTH RYDE 2113
SCOTT DEVERIDGE 0425 285 270
www.astrea.com.au

Astrea

SUBJECT TITLE NOTATIONS :-	
AUTO CONSOL 2686-159 (LOTS 1 AND 2 IN DP 6600)	
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS	
2. LAND EXCLUDES MINERALS	
AUTO CONSOL 2284-67 (LOTS 3 AND 4 IN DP 6600)	
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS	
2. LAND EXCLUDES MINERALS	
AUTO CONSOL 868-80 (LOTS 5-10 SEC 45 DP 802)	
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS	
CT's 5/6600, 6/6600, 7/6600, 8/6600, 9/6600, 10/6600	
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS	
2. LAND EXCLUDES MINERALS	
CT's 1/376201, 2/376201, 3/376201, 4/376201	
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CT 3/104516	
1. LAND IS SUBJECT TO RESERVATIONS AND CONDITIONS	
2. LAND EXCLUDES MINERALS	
CT 1/433017	
1. LAND EXCLUDES MINERALS	

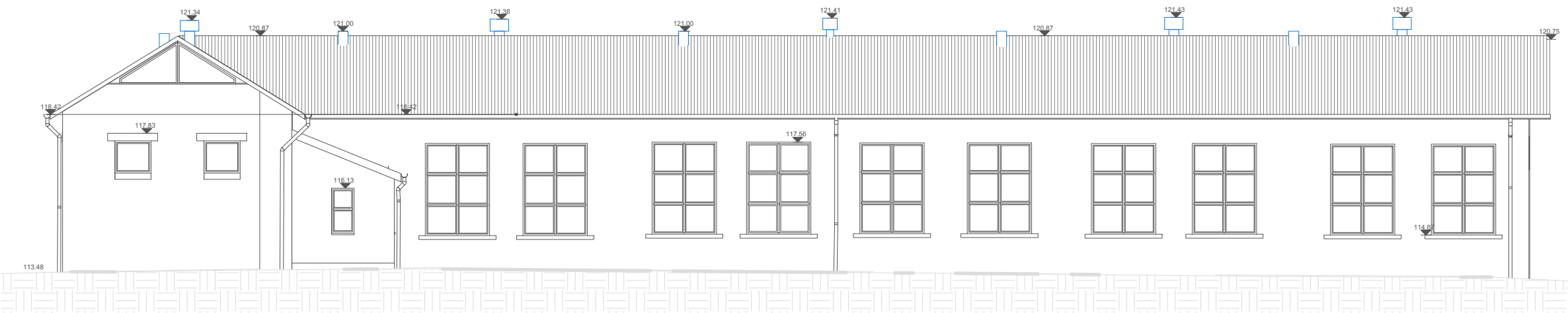
JOB REFERENCE : A4050		I/D
DWG No. A4050-TOP&UTIL-REV-E		7453
SURVEYOR: BD,JD		SCOTT DEVERIDGE
DATE OF SURVEY: OCT 2023		REGISTERED LAND SURVEYOR
UTILITY LOCATOR: LB		UNDER THE SURVEYING AND
		SPATIAL INFORMATION ACT, 2002
© ASTREA 2023 - UNAUTHORISED USE IS PROHIBITED		
D	PIT ANNOTATION ADDED	08.10.2024
C	ADDITIONAL SURVEY DATA	30.09.2024
B	AMENDMENTS	26.08.2024
A	BUILDING DESCRIPTION	16.11.2023
REV	AMENDMENTS	DATE

MGA

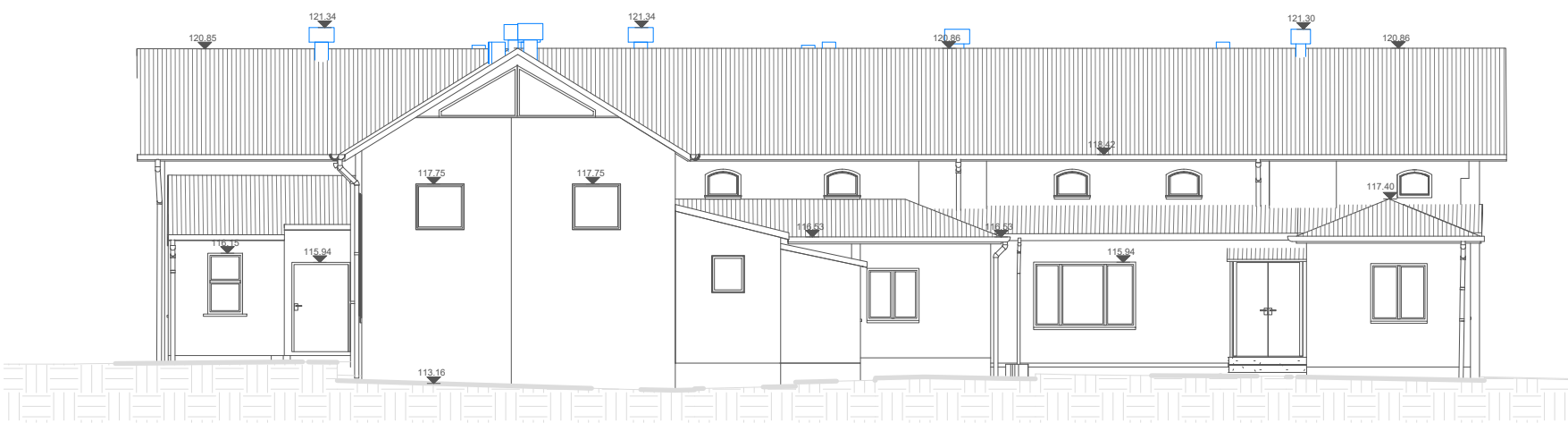


TN

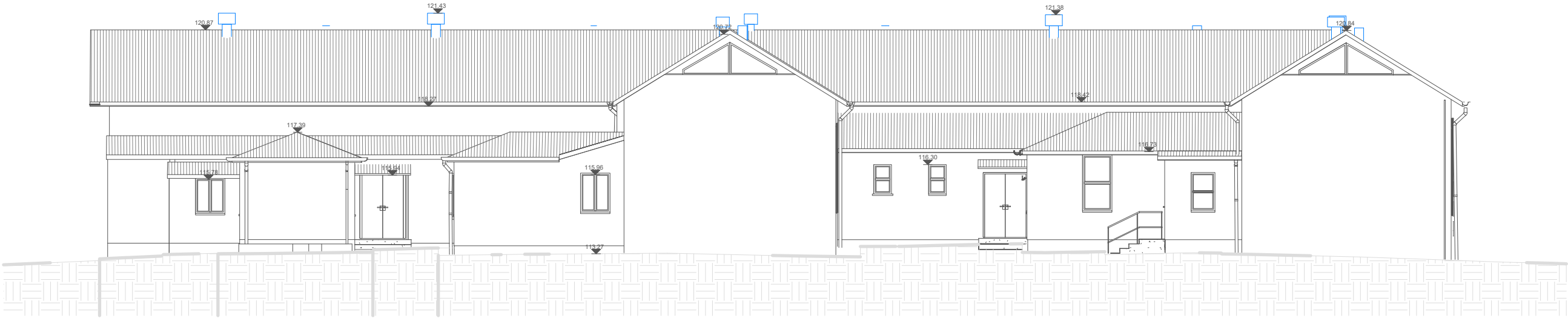
APPROX.
1°



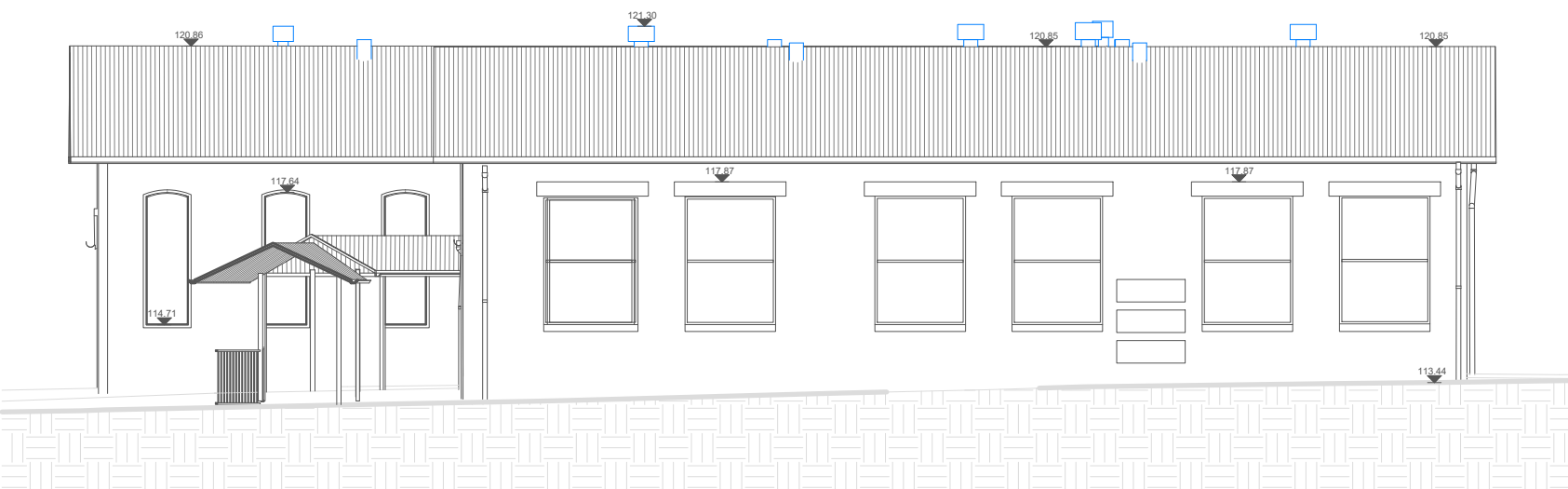
ELEVATION 1



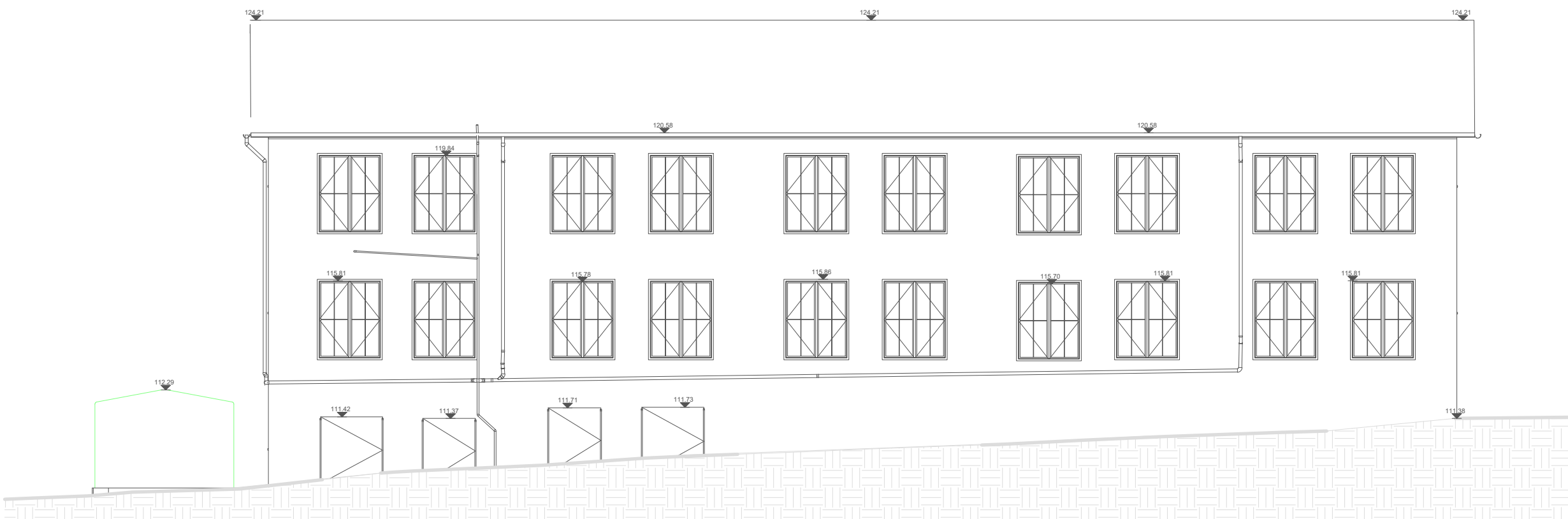
ELEVATION 2



ELEVATION 3



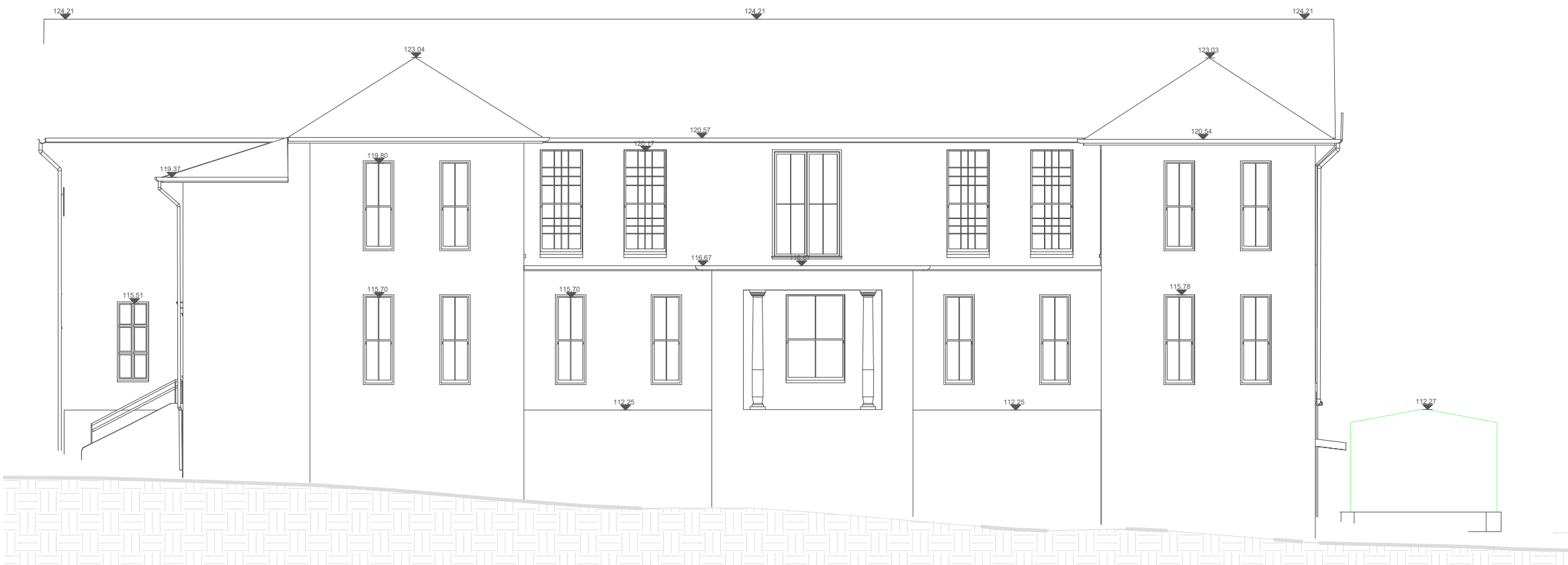
ELEVATION 4



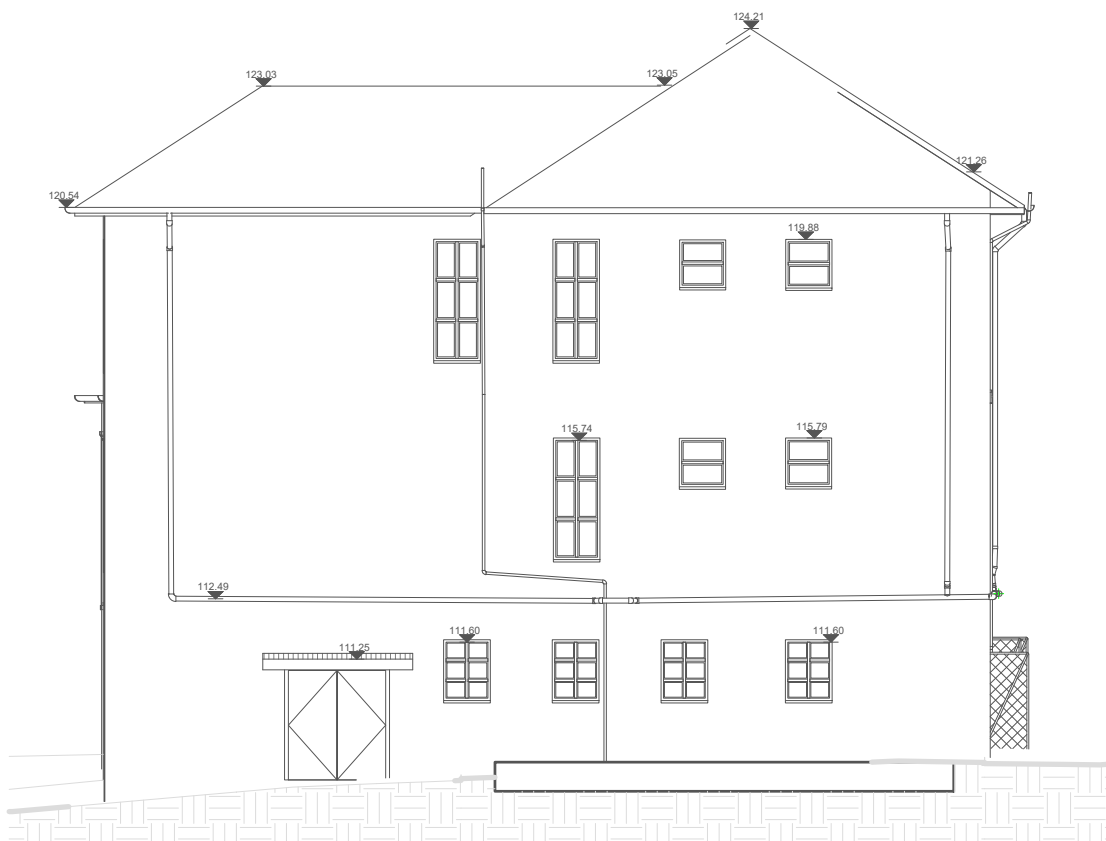
ELEVATION 5



ELEVATION 6



ELEVATION 7



ELEVATION 8

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:

- 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 cad 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 PJDM - DRAINAGE JUNCTION MANHOLE PSMH - SEWER MANHOLE PWHY - WYOFFANT PWSV - STOP VALVE PQUL - GULLY PIT PQPM - GAS MARKER PQTP - GAS TEST POINT PPPL - POWER POLE PTSP - TELSTRA PIT TK - TOP OF KERB PC - PSAM RAMP FP - FOOTPATH TW - TOP OF WALL TF - TOP OF FENCE	LP - LIP OF GUTTER DW - DRIVEWAY EOT - END OF TRACE UTO - UNABLE TO TRACE FOD - FULL OF DIRT TG - TOP OF ROOF GUTTER RGS - ROOF RIDGE

GENERAL SURVEY NOTES:	
• THIS TITLE LOCK IS AN INTEGRAL PART OF THIS DWG AND SHOULD NOT BE REMOVED	
• COORDINATE SYSTEM MGA 2020 ZONE 56	
• LEVEL DATUM IS AH71	
• 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.	
ORIGIN	SS146837
ORIENTATION	E:320781.682 N:6232486.032
AHD ORIGIN	SS 146837 - PM 50616
	SS 146837 RL 109.976

CLIENT : SCHOOLS INFRASTRUCTURE
PLAN IN RELATION TO : SUTHERLAND PUBLIC SCHOOL
SHOWING : BUILDING ELEVATIONS
PURPOSE: DUE DILIGENCE-DESIGN
SHEET 05 OF 05

DIGITAL SURVEY SOLUTIONS UTILITY MAPPING		JOB REFERENCE : A4050	I/D 7453
SUITE 6.01, TRINITY II, TRINITY BUSINESS PARK 39 DELHI ROAD, NORTH RYDE 2113 SCOTT DEVERIDGE 0425 285 270 www.astrea.com.au		DWG No. A4050-TOP0&UTIL-REV-E	
		SURVEYOR: BD,JD	REGISTERED LAND SURVEYOR UNDER THE SURVEYING AND SPATIAL INFORMATION ACT, 2002
		UTILITY LOCATOR: LB	
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