

NOTES :

- THESE NOTES FORM AN INTEGRAL PART OF THE PLAN AND SHOULD ALWAYS BE SHOWN

— — D — — — — —
— — D-(B) — — — — —
— — D-(C) — — — — —
— — D-(D) — — — — —

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

D	CC	22/01/2021	TREES ADDED		SRA
C	CC	23/11/2020	GUTTER RL'S ADDED		SRA
B	CC	20/11/2020	DRAINAGE PIT ADDED		SRA
A	CC	19/11/2020	FOR INFORMATION		SRA
REV.	BY	DATE	DESCRIPTION		
A1 Original		Co-ordinate System: MGA Zone 55 [GDA 2020]		Height Datum: A.H.D.	

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This sheet may be prepared using colour and may be incomplete if copied

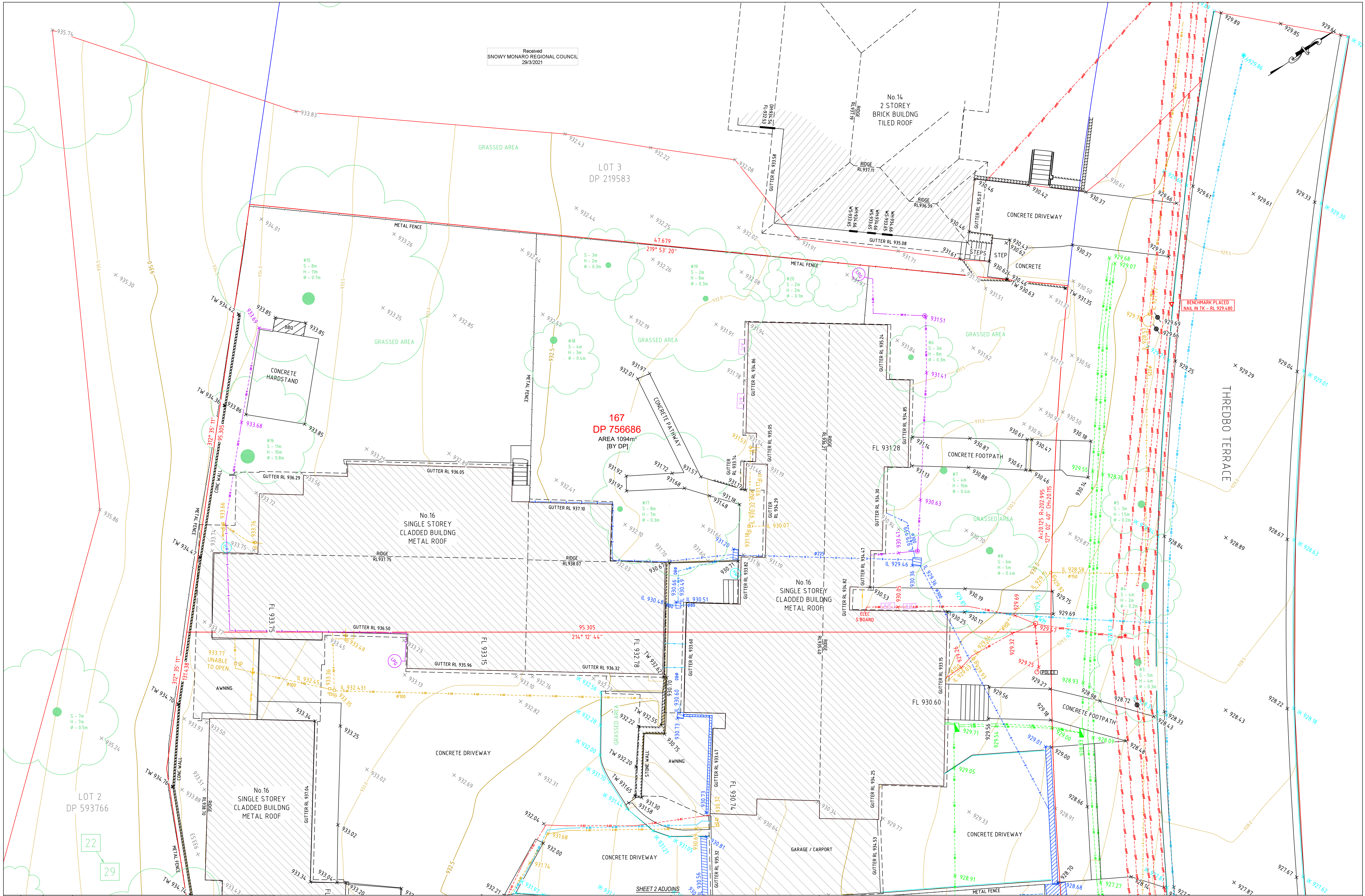
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STATUS: FOR INFORMATION

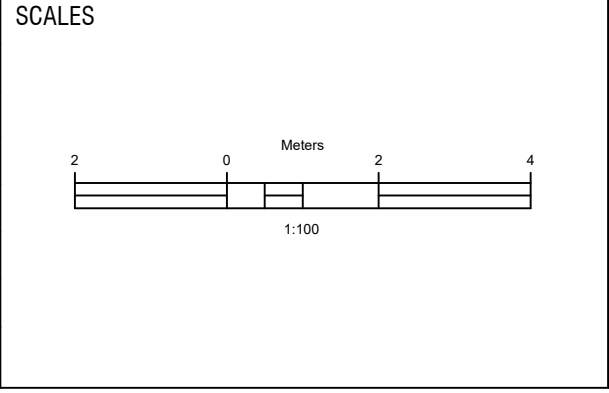
CRUX Drg No. 122588-SU-DT-001

SHEET 1 OF 4

REV.



REV.	BY	DATE	DESCRIPTION	APPD.
A1	Original		Co-ordinate System: MGA Zone 55 [GDA 2020]	Height Datum: A.H.D.



CLIENT

REGISTERED SURVEYORS

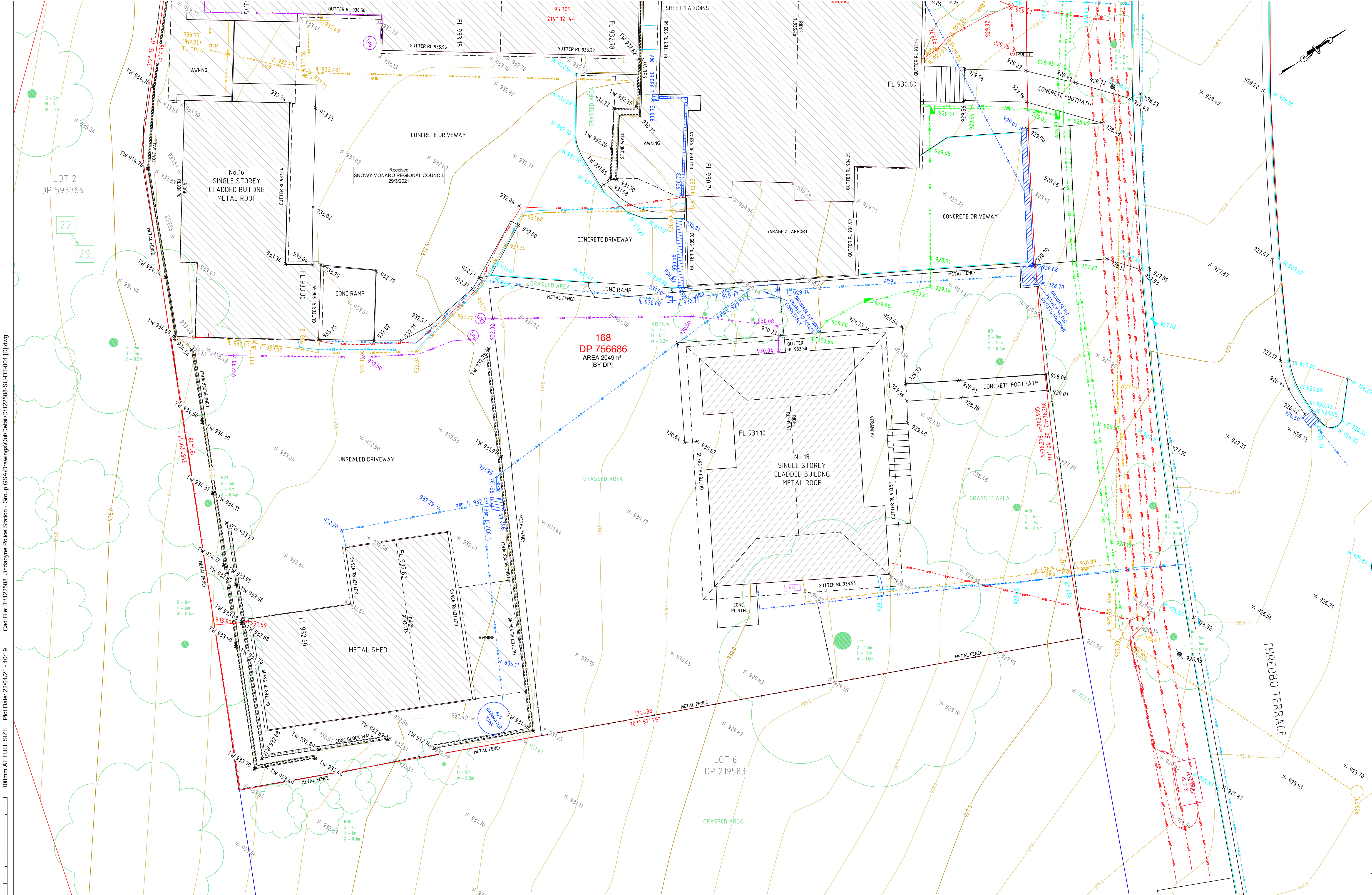
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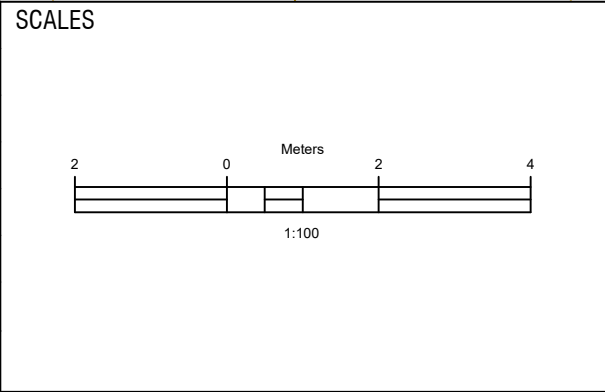
SURVEYED	SCOTT ALLISON
DRAWN	CHRIS CARTIN
SURVEY CHECK	SCOTT ALLISON
DRAWING CHECK	SCOTT ALLISON
APPROVED	SCOTT ALLISON
	22/01/2021

JINDABYNE POLICE STATION		
16 THREDBO TERRACE, JINDABYNE		
LOTS 167 & 168, DP756686		
DETAIL AND LEVEL SURVEY		
ELEVATIONS		
STATUS: FOR INFORMATION	SHEET 2 OF 4	©
CRUX Dwg No. 122588-SU-DT-001	REV.	D



100mm AT FULL SIZE Plot Date: 22/01/21 - 10:19 Card File: T:122588 Jindabyne Police Station - Group GSA Drawings OutDetailD122588-SU-DT-001 [D].dwg

REV.	BY	DATE	DESCRIPTION	APPD.
A1	Original		Co-ordinate System: MGA Zone 55 [GDA 2020]	Height Datum: A.H.D.
D	CC	22/01/2021	TREES ADDED	SRA
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B	CC	20/11/2020	DRAINAGE PIT ADDED	SRA
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SURVEYED	SCOTT ALLISON
DRAWN	CHRIS CARTIN
SURVEY CHECK	SCOTT ALLISON
DRAWING CHECK	SCOTT ALLISON
APPROVED	SCOTT ALLISON
	22/01/2021

JINDABYNE POLICE STATION

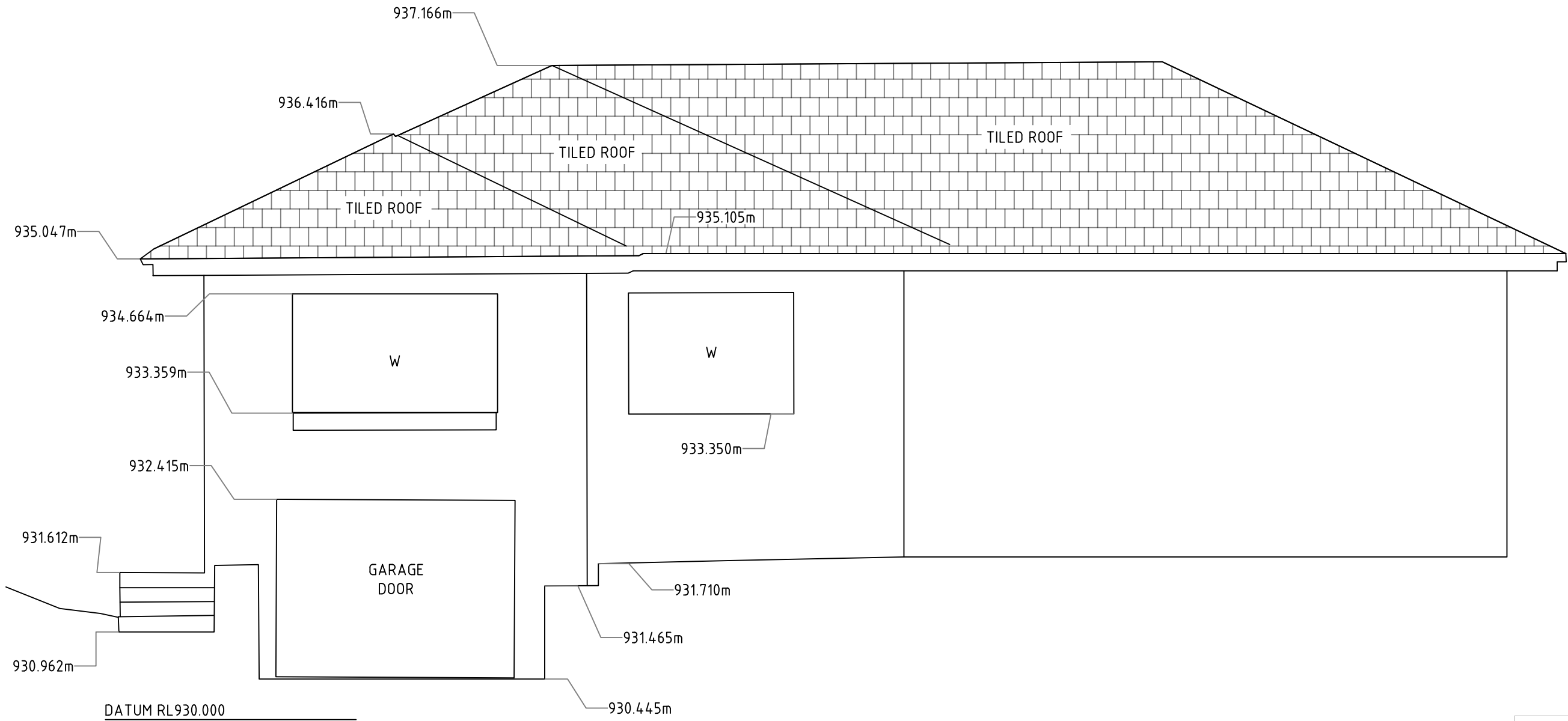
16 THREDBO TERRACE, JINDABYNE
LOTS 167 & 168, DP756686
DETAIL AND LEVEL SURVEY
ELEVATIONS

STATUS: FOR INFORMATION

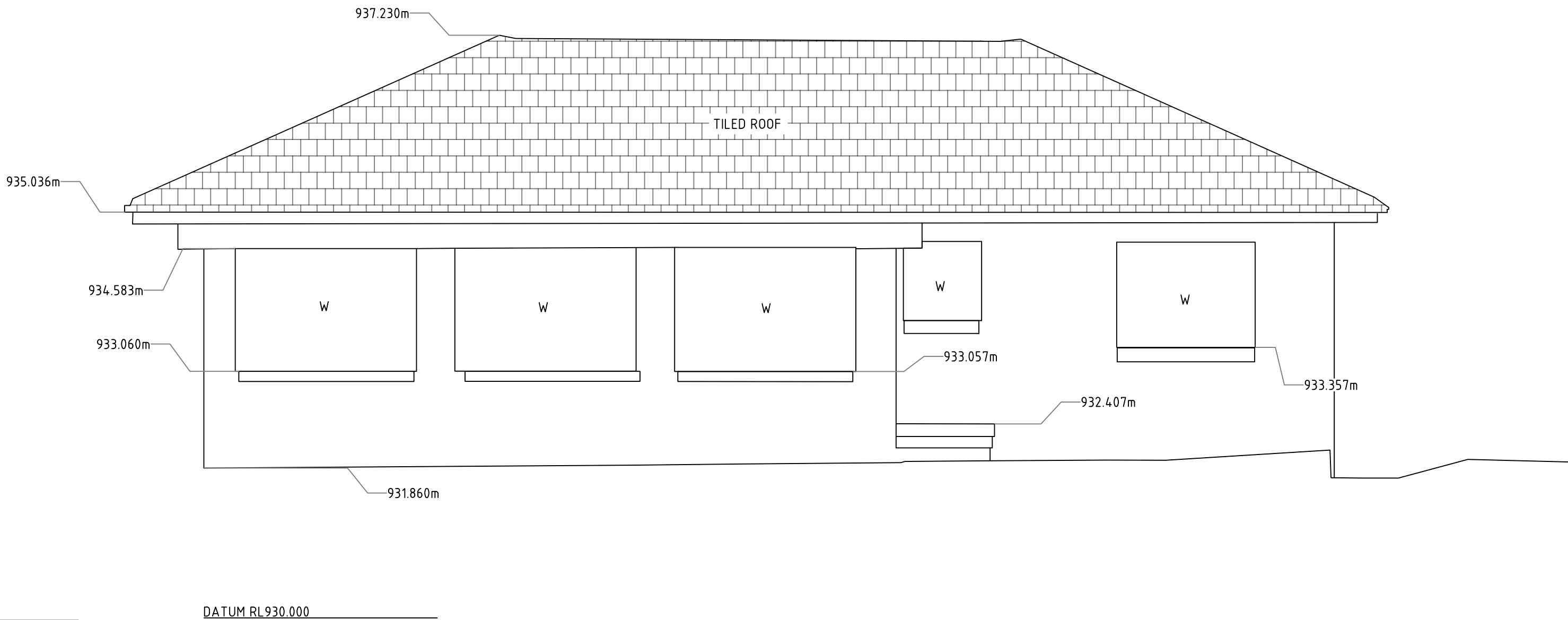
SHEET 3 OF 4

CRUX Drg No. 122588-SU-DT-001

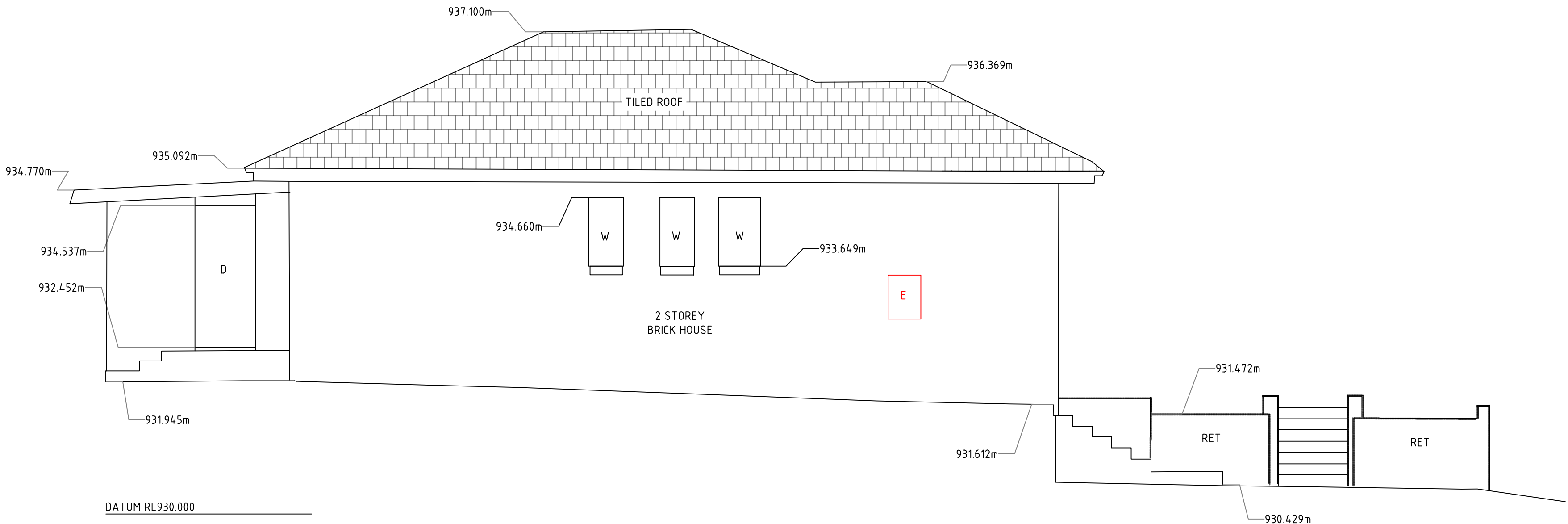
REV. D



NORTH-EASTERN
ELEVATION No. 14



SOUTH-WESTERN
ELEVATION No. 14



SOUTH-EASTERN
ELEVATION No. 14.

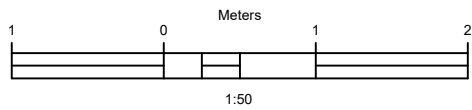
NOTES:

- ORIGIN OF LEVELS: SSM29099 RL923.943 AHD
- NO BOUNDARY SURVEY HAS BEEN UNDERTAKEN. BEARINGS AND DISTANCES HAVE BEEN COMPILED FROM TITLE INFORMATION SUPPLIED BY LAND AND PROPERTY INFORMATION NSW (LPI NSW) AND ORIENTATED TO MGA NORTH.
- DATE OF SURVEY: 11/12 NOVEMBER 2020.

ABBREVIATIONS

- E ELECTRICAL CUPBOARD
D DOOR
RET RETAINING WALL
W WINDOW

SCALES



CLIENT

GROUP GSA

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SURVEYED SCOTT ALLISON

DRAWN CHRIS CARTIN

SURVEY CHECK SCOTT ALLISON

DRAWING CHECK SCOTT ALLISON

APPROVED SCOTT ALLISON 22/01/2021

JINDABYNE POLICE STATION

16 THREDBO TERRACE, JINDABYNE
LOTS 167 & 168, DP756686
DETAIL AND LEVEL SURVEY
No. 14 THREDBO TERRACE ELEVATIONS

STATUS: FOR INFORMATION SHEET 4 OF 4

CRUX Dwg No. 122588-SU-DT-001

REV.

©

D



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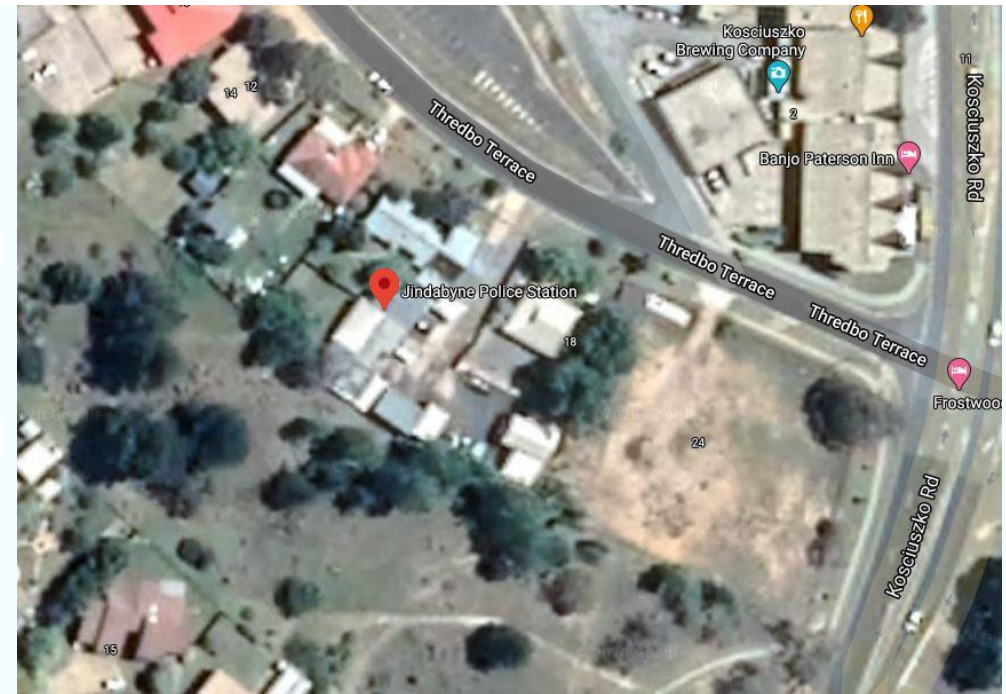
18th December 2020

JOB REF: 7261

Preliminary Arboricultural Report¹
Police Station, 16 Thredbo Terrace
Jindabyne NSW 2627

Prepared For:
Group GSA

Prepared by:
Hayley Crossing
AQF Level 5 Consulting Arborist
Bachelor of Landscape Architecture
Quantified Tree Risk Assessment (QTRA)



Tree location

¹ Preliminary Arboricultural Reports are designated in AS4979-2009 'Protection of trees on development sites' and include indicative Tree Protection Zones (TPZ) to guide development layout.

Brief:

Canopy Tree Experts were engaged to carry out a tree assessment and prepare a Preliminary Arboricultural Assessment the above-mentioned site. The Assessment is to conform to the requirements of *Snowy Monaro Regional Council* and with AS4970-2009 '*Protection of trees on development sites*'.

Method, terms, and limits

On the 15th of December 2020 Hayley Crossing of Canopy Group inspected above-mentioned site. It was a visual assessment at ground level no invasive diagnostic methods were used. Photos were taken.

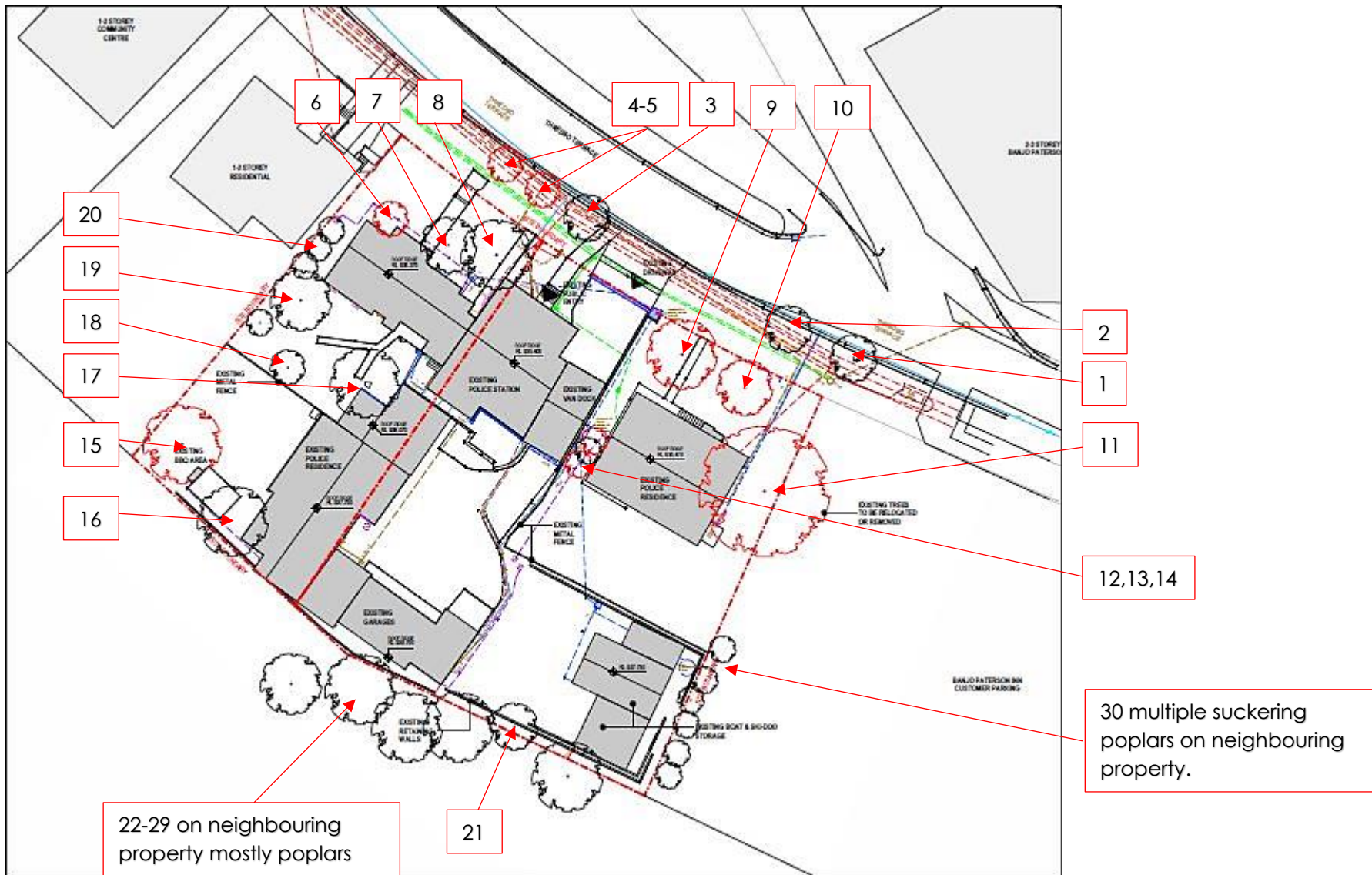
For explanations and terminology used please refer to the Appenix 1. For method and limitations please refer to Appendix 2.

Field Findings

Of the 30 trees assessed only one tree (Tree 15 *Eucalyptus nicholii* - Narrow Leaf Peppermint) is protected by Snowy Monaro Regional Council (SMRC) Development Control Plan Section 7.1.4.

There are 4 street trees that are protected by SMRC for trees on Public land.

All other trees were either listed undesirable species (page 101 of Snowy River DCP) or were non-native trees not protected by SMRC.



Tree location plan

Tree No.	Species	Height	Canopy Spread	Health	Structure	Tree Protection Status	Tree Quality Classification	Comments	DBH	Radius TPZ ⁴⁹⁷⁰	D10 ^{TPZ}	Radius SRZ ⁴⁹⁷⁰
1	Crataegus monogyna - English Hawthorn	6		Good	Fair	Street Tree	Low		0	0.0	0.0	0.0
2	Crataegus monogyna - English Hawthorn	3.5		Good	Fair	Street Tree	Low		0	0.0	0.0	0.0
3	Crataegus monogyna - English Hawthorn	4		Good	Fair	Street Tree	Low		0	0.0	0.0	0.0
4	Malus sp. - Crab Apple	2		Good	Good	Street Tree	Low		0	0.0	0.0	0.0
5	Malus sp. - Crab Apple	1.5		Good	Good	Street Tree	Low		0	0.0	0.0	0.0
6	Betula pendula - Silver Birch	8	3	Poor	Poor	Not Protected	Poor	Dead top of canopy, thinning canopy	0	0.0	0.0	0.0
7	Pinus radiata - Monterey Pine	10	4	Good	Good	Not Protected	Medium		0	0.0	0.0	0.0
8	Prunus 'Nigra' - Purple Cherry-Plum	5	6	Good	Fair	Not Protected	Medium	Amenity tree provides shade. Multiple leaders	0	0.0	0.0	0.0
9	Acer negundo - Box Elder	10				Undesirable Species (weed)*			0	0.0	0.0	0.0
10	Acer negundo - Box Elder	7				Undesirable Species (weed)*		scar in trunk	0	0.0	0.0	0.0
11	Populus deltoides - Cottonwood	14				Undesirable Species (weed)*		deadwood present, surface roots, decay in trunk, included junction	0	0.0	0.0	0.0
12	Populus deltoides - Cottonwood	6				Undesirable Species (weed)*			0	0.0	0.0	0.0
13	Populus deltoides - Cottonwood	6				Undesirable Species (weed)*			0	0.0	0.0	0.0
14	Populus deltoides - Cottonwood	6				Undesirable Species (weed)*			0	0.0	0.0	0.0

Tree No.	Species	Height	Canopy Spread	Health	Structure	Tree Protection Status	Tree Quality Classification	Comments	DBH	Radius TPZ ⁴⁹⁷⁰	D10 ^{TPZ}	Radius SRZ ⁴⁹⁷⁰
15	<i>Eucalyptus nicholii</i> - Narrow Leaf Peppermint	11	8	Good	Good	Protected Tree SMRC* **	High	Only protected tree and only native tree.	0.78	9.4	6.3	3.2
16	<i>Ulmus parvifolia</i> - Chinese Elm	10	11	Good	Fair	Not Protected	Medium	Multi leader possibly stump regrowth	0.51	6.1	4.1	2.7
17	<i>Acer negundo</i> - Box Elder					Undesirable Species (weed)*			0	0.0	0.0	0.0
18	<i>Cotoneaster lacteus</i> - Berry Bush					Undesirable Species (weed)*		Mixed group of weeds and some Japonica species all below 4m in height.	0	0.0	0.0	0.0
19	<i>Prunus 'Nigra'</i> - Purple Cherry-Plum	8	2	Good	Good	Not Protected	Medium	Amenity tree provides shade.	0	0.0	0.0	0.0
20	<i>Cotoneaster lacteus</i> - Berry Bush					Undesirable Species (weed)*			0	0.0	0.0	0.0
21	<i>Populus deltoides</i> - Cottonwood					Undesirable Species (weed)*			0	0.0	0.0	0.0
22-29	<i>Populus deltoides</i> - Cottonwood					Undesirable Species (weed)*		On neighbouring property. Mixed planting.	0	0.0	0.0	0.0
30	<i>Populus deltoides</i> - Cottonwood					Undesirable Species (weed)*		Multiple small suckering trees on neighbouring property .	0	0.0	0.0	0.0

* Undesirable Species as per the Snowy Monaro Regional Council DCP Table A list of weed species page 101.

** Protected as per Snowy Monaro Regional Council DCP a permit is required for removal as it is a native tree over 6m.

For all other explanations and terminology used please refer to the Appenix 1 and for method and limitations please refer to Appendix 2.

TREE PHOTOS -taken by Hayley Crossing 15^h of December 2020



Tree 1 – street tree



Tree 2- Street tree



Tree 3 street tree



Tree 4 – street tree



Tree 5 Street tree



Tree 6 – Betula pendula



Tree 7 – Pinus radiata



Tree 8- Prunus nigra



Tree 9- Acer negundo - Box Elder (weed)



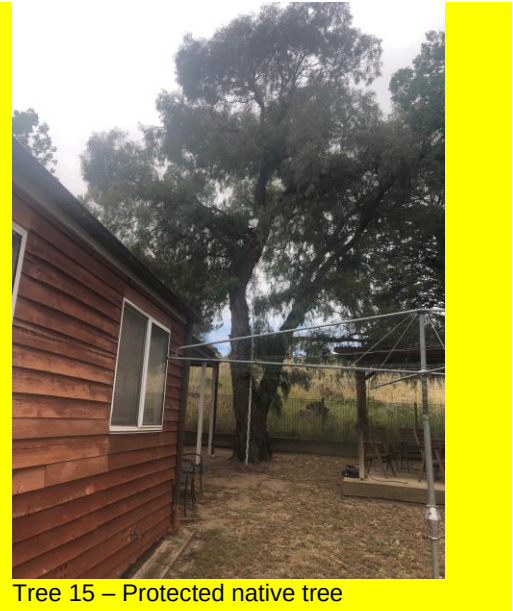
Tree 10- Acer negundo - Box Elder (weed)



Tree 11 - Populous deltoides – Cottonwood (weed)



Tree 11- Populous deltoides – Cottonwood (weed)included junction



Tree 15 – Protected native tree



Tree 16- Ulmus parvifolia Not protected



Tree 17 - Acer negundo - Box Elder (weed)



Tree 18 – Cotoneaster (Weed)



Tree 19 – *Prunus nigra* Not protected



Tree 20 mixed weed species



Tree 21 – *Populus deltoides* – Cottonwood (weed)



Tree 22-29 mostly *Populus deltoides* – Cottonwood (weed) on neighbouring bdry.



Tree 30 – Suckering *Populus deltoides* – Cottonwood (weed)weeds

Appendix 1

Explanations of Terms Used in the Tree Assessments

This Assessment form has been developed to conform to the requirements of 'Snowy Monaro Regional Council Tree Protection Order and; The AS4970-2009 'Protection of trees on development sites'

1. Tree Number

This is a unique sequential identification number allocated to each tree located on the block, overhanging the block or on the verge. The numbers are allocated in Figure 1.

2. Species

The binomial species name is given

3. Height

The tree height was estimated except where the height was determined to be near 12m in which case it was measured using a clinometer from a measured offset. Heights of between 11 and 12 metres are recorded as 11metres.

4. Directional Canopy Radii'

Canopy radii were measured at 90° intervals starting at north by stepping. Where it is indicated that a more accurate radius may be important, it was measured by tape measure.

The four radial canopy diameters are shown (in meters) in the 'table. Where measurement of these would require entry onto neighbouring blocks or access was difficult, the measurements have been estimated. If required, the broadest canopy diameter is also measured to determine if a tree is regulated.

5. Health

Is an indication of the tree's health and vigour. It has been judged against the following range:

Very Good (VG), Good (G), Fair (F), Poor (P), or Very Poor (VP)

General comments on the tree's health and vigour, and specific comments on evidence of **insect** infestation or **disease** presence in the tree are included in the **Comments Column** if significant.

6. Structure

The structural integrity of the tree has been judged against the following range:

Very Good (VG), Good (G), Fair (F), Poor (P), or Very Poor (VP)

General comments on the tree's structure and specific comments on evidence of **Root Zone Disturbance** and **Structural Damage** to the tree are included in the **Comments Column** if significant.

7. Tree Protection Status

The legal status of each of the trees is given as one of the following:

Not Protected - no protection required, can be retained, or removed.

Undesirable Species (Pest Plant) - is a weed: as listed on Table A page 101 of The Snowy River DCP and no protection required, may be removed without permit (or retained: -depending on level of classification).



Protected Tree – Protected native tree as per the Snowy Monaro Regional Councils Development Control Plan. 'a permit would be required to:

- Remove the tree;
- Prune the tree, except where the pruning is done by a qualified arborist and is done to the 'Australian Standard for Pruning of Amenity Trees' AS 4373;

- Carry out ground works within 2m of the 'drip line' of the tree.

Remnant – a regulated tree that is also a remnant eucalypt. For a Remnant, the Approval Criteria 1 (1) (d) (Inappropriate location) & (e) (substantially affecting solar access) in Disallowable Instrument *Tree Protection (Approval Criteria) Determination (No.2) DI2006-60* do not apply. Remnant eucalypt is not defined in the DI2006-60. In this assessment, it is taken as a eucalypt that was likely to be present at the time of initial subdivision of the land on which it stands.

Street Tree – Tree on Snowy Monaro Regional Council land and the maintenance is controlled by Council staff.

8. Tree Quality Classification

These classifications are based on the guidelines in the 'Draft Guidelines for the Preparation of Tree Management Reports for Development on unleased Territory Land 2004 Draft'.

Poor – A poor quality tree is of poor form, structure or health or is likely to represent a significant safety hazard.

Low - A tree that does not have significant amenity value. (the classification Low Quality has been added (by Canopy Tree Experts) to this classification to indicate a tree that has no formal reason for removal other than is lack of significance in the landscape. Some of these trees may have potential to become significant, in which case this is indicated in the 'comments' column.

Medium - A medium quality tree is one of reasonable form, structure and health and is not likely to represent a significant safety hazard.

High – A high quality tree is one that is of good form and condition and without structural defect. It should not represent a significant hazard.

Exceptional- A tree may be considered exceptional on the basis that it is an important part of the landscape due to factors such as prominence of location, contribution to the surrounding landscape and its general appearance. An exceptional tree should be free of any defects that cannot be addressed by remedial treatment. A tree may also be assessed as being exceptional for its **botanic/scientific, cultural, and natural heritage** values. Trees with significant **botanic/scientific, cultural, and natural heritage** values may not be ruled out of the exceptional classification due to health, structure, or safety concerns.

9. *Comments*

Any comments that are relevant are recorded in this column especially those related to health and structure and value.

10. *Circumference⁴⁹⁷⁰*

Trunk Circumference for the calculation of the Tree Protection Zone as per Australian Standard AS4970-2009 (TPZ⁴⁹⁷⁰) is the trunk circumference at 1.4m above ground level. It is expressed in metres and lists the individual trunk circumferences if there are more than 1 trunk at that height. These are used to calculate the DBH and subsequently the **Radius TPZ⁴⁹⁷⁰**. Where there is more than one trunk at 1.4 m AGL then the DBH is calculated by the formula presented in AS4970-2009. (Branches, c.f. trunks, are not included).

11. *Radius TPZ⁴⁹⁷⁰*

The radius of the Root Protection Zone component of the Tree Protection Zone as calculated from the trunk diameter at 1.4m AGL as recommended by the AS4970-2009. Note the final TPZ⁴⁹⁷⁰ may need to be extended to include crown protection.

12. *D10^{TPZ}*

This is a construct of Canopy Tree Experts. It is the distance from the centre of the trunk to a straight-line excavation past the trunk that would excise 10% of the area of the TPZ⁴⁹⁷⁰. This measurement has no regulatory standing. It is only an indication how much root loss may occur with the such an excavation but should be interpreted in conjunction with on-site observations as to where active absorptive roots are likely to be, species knowledge and water availability. It is presented here as one example of how a 10% loss of TPZ⁴⁹⁷⁰ area could occur.

13. *Radius SRZ⁴⁹⁷⁰*

The figure given here approximates the Structural Root Zone diameter as proposed in AS4970-2009. It is approximate as it is calculated from the circumference at 1.4m AGL + 20%, instead of the measurement at the root buttress. It is an indication only of the size of root ball required for tree stability. Accurate calculation of the SRZ may be required if a major encroachment into the TPZ⁴⁹⁷⁰ is envisaged.

Appendix 2– Method and Limits

Method

The inspection of the trees was limited to a visual examination from ground level without the use of boring or testing devices.

The VTA method² was used. Defects were identified and evaluated along with the tree's response to those defects, the tree's health, and tree's vigour to produce an understanding of the tree's soundness.

Where indications suggest that 'sounding' would be worthwhile the trunk was 'sounded' with a mallet.

² VTA Method (Visual Tree Assessment) as presented in *The body language of trees* 1994 Mattheck, Claus & Breloer, Helge, The Stationery office, Norwich, UK pp.118-120.

Limits

- Field Findings are prepared as a reminder of points made during conversation at a site visit. These notes may not be comprehensive and may not represent the full discussion that took place.
- Caution should be taken in interpreting advice given verbally as understanding and recollection may be unreliable.
- It is requested that these field Findings not be used for legal matters. A full report can be prepared, at extra cost, if required.
- Given the natural variability of trees and their environment it cannot be guaranteed that all ways in which a tree may fail can be identified or that any mitigation work recommended will prevent failure in the future, but as Canopy's consultants are diligent, qualified and experienced, the mitigation work recommended will reduce the probability of failure occurring.
- The inspection of the trees was limited to a visual inspection from ground level. The consultant may recommend further inspections.
- These notes apply only to the trees listed and reflect the condition of those trees at the time of inspection.

Covers only those trees listed

The information in this report covers only those trees listed and reflects the condition of those trees at the time of the inspection.

Natural variability of trees and their environment

Canopy Tree Experts' arborists conscientiously apply their knowledge in assessing trees and recommending treatments with the aim of achieving the best outcomes for their clients' trees. However, given the natural variability of trees, the arborist may not be able to detect every possible way a tree, or part of a tree, may fail above or below ground. The

arborist may not be able to predict when a tree may fail, but the arborist will be able to identify most problems, and the risk of failure will be reduced by having your trees inspected and carrying out of the arborist's recommendations.

Verbal Advice

Caution should be taken in interpreting advice given verbally as understanding and recollection may be unreliable.

Further studies that may be required

No **heritage**, **ecological** or **habitat assessments** were carried out for this site by Canopy Tree Expert's arborists or their agents.

No assessment of the **benefits** of these trees was made.

Tree Risk Assessment

Although the arborist is qualified and authorised to assess risk by both the QTRA and TRAQ methods of assessment, neither method was carried out for this report. However, the training for these authorisations will have influenced the way in which the assessor views the risk associated with trees. A QTRA assessment can be carried out if requested. (www.qtra.co.uk, www.isa-arbor.com)

JINDABYNE POLICE STATION

16-18 THREDBO TERRACE, JINDABYNE
CIVIL ENGINEERING WORKS



LOCALITY PLAN

SOURCE: NEARMAPS (2020)

DRAWING SCHEDULE

DRG No.	DRAWING TITLE
JIN-CE-01.01	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
JIN-CE-02.01	CONCEPT SEDIMENT AND SOIL EROSION CONTROL PLAN
JIN-CE-02.11	SEDIMENT AND SOIL EROSION CONTROL DETAILS
JIN-CE-03.01	BULK EARTHWORKS CUT AND FILL PLAN
JIN-CE-03.11	BULK EARTHWORKS CUT AND FILL SECTIONS - SHEET 01
JIN-CE-03.12	BULK EARTHWORKS CUT AND FILL SECTIONS - SHEET 02
JIN-CE-04.01	SITEWORKS AND STORMWATER MANGEMENT PLAN
JIN-CE-06.01	DRIVEWAY LONGITUDINAL SECTION - SHEET 01
JIN-CE-06.02	DRIVEWAY LONGITUDINAL SECTION - SHEET 02
JIN-CE-08.01	CATCHMENT PLAN
JIN-CE-09.01	RETAINING WALL PLAN
JIN-CE-09.11	RETAINING WALL ELEVATION - SHEET 01
JIN-CE-09.12	RETAINING WALL ELEVATION - SHEET 02
JIN-CE-09.13	RETAINING WALL ELEVATION - SHEET 03
JIN-CE-09.14	RETAINING WALL ELEVATION - SHEET 04
JIN-CE-09.15	RETAINING WALL ELEVATION - SHEET 05
JIN-CE-09.16	RETAINING WALL ELEVATION - SHEET 06

NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN
DESIGNED: WING WU
JOB MANAGER: D. LIGANARIS
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DESIGN REVIEW	AP	-	DL	18.12.20
02	ISSUED FOR DEVELOPMENT APPLICATION	UM	-	DL	25.01.21
03	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21
04	ISSUED FOR LAYOUT CHANGE	UM	-	WW	17.03.21

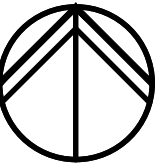


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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

DEVELOPMENT APPLICATION

DRAWING TITLE

CIVIL ENGINEERING WORKS

COVER SHEET, DRAWING
SCHEDULE AND LOCALITY PLAN

JOB NUMBER

202460

DRAWING NUMBER

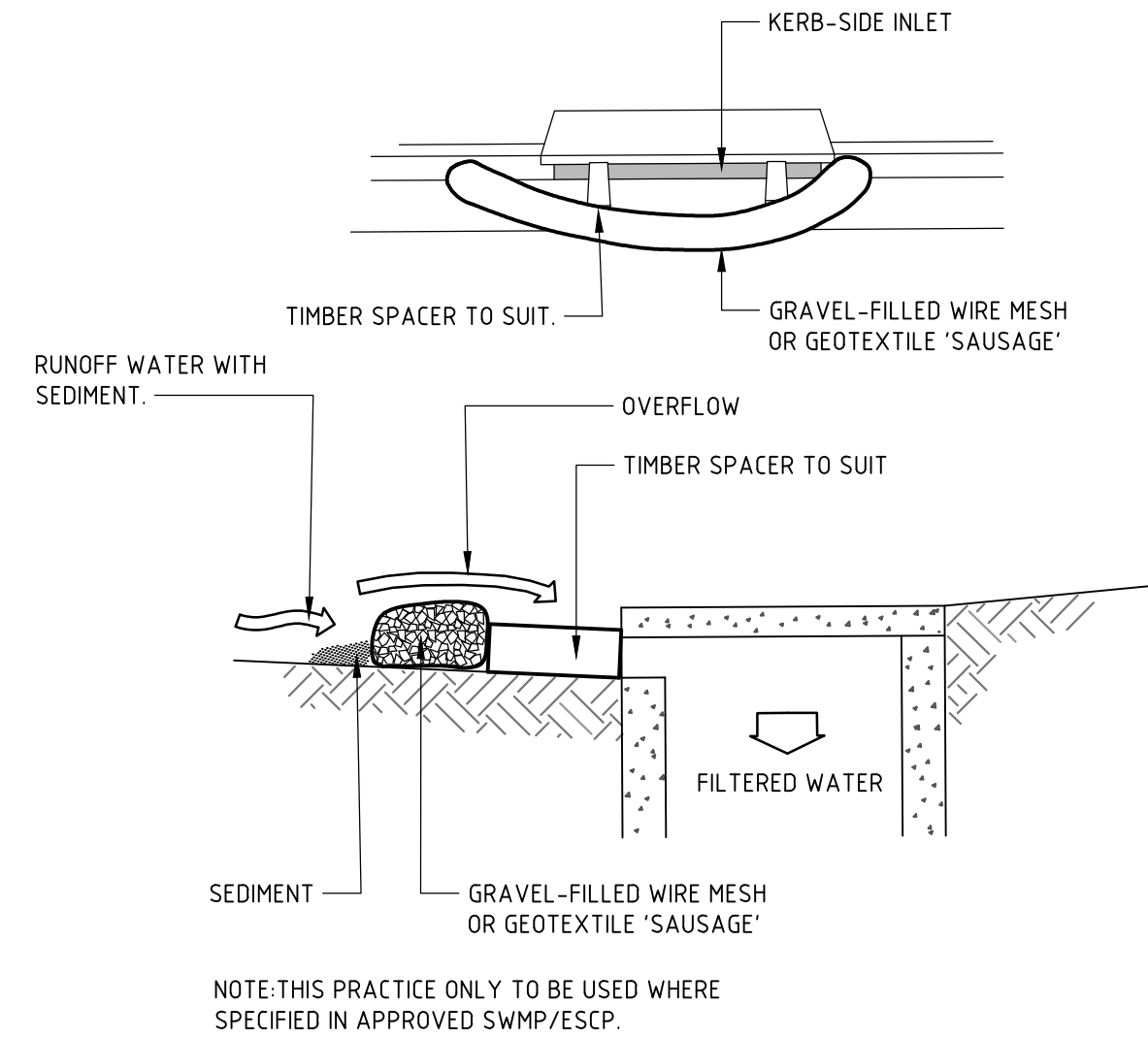
JIN-CE-01.01

REVISION

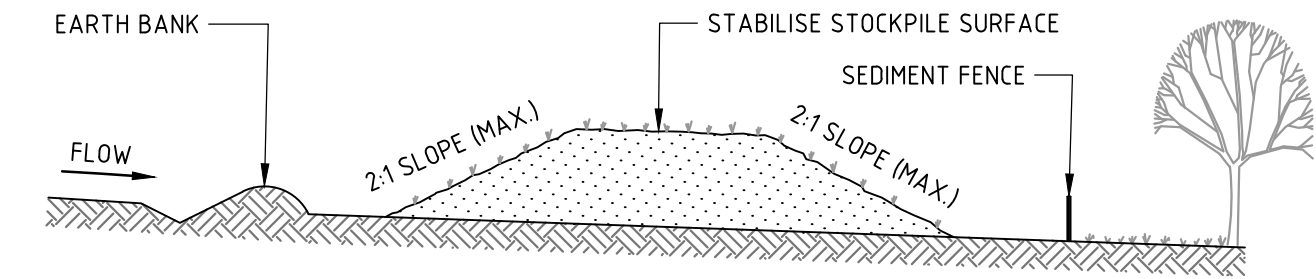
04

DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN
DESIGNED: WING WU
JOB MANAGER: D. LIGAVARIS
VERIFIER:



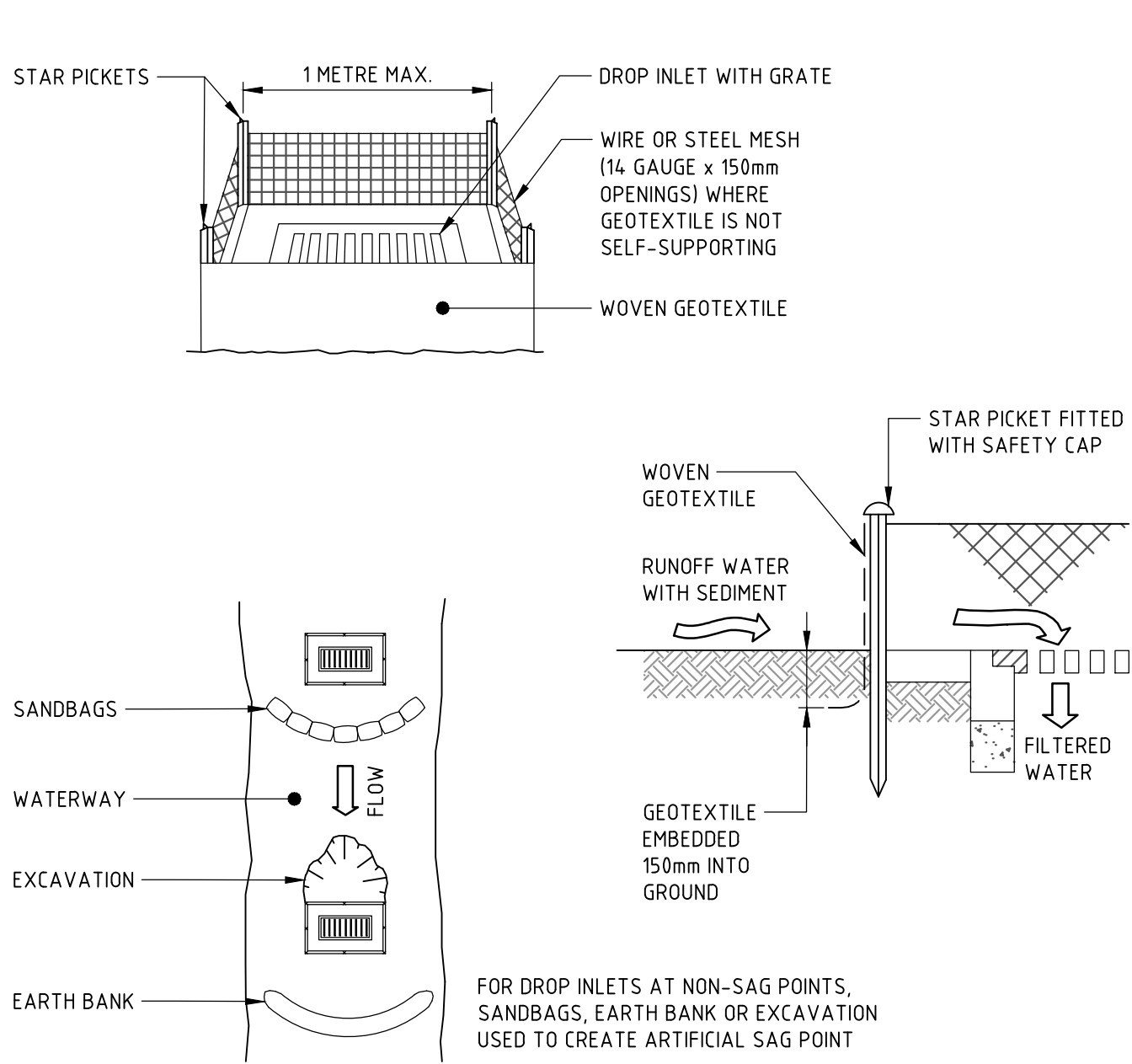
MESH AND GRAVEL INLET FILTER (SD 6-11)



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

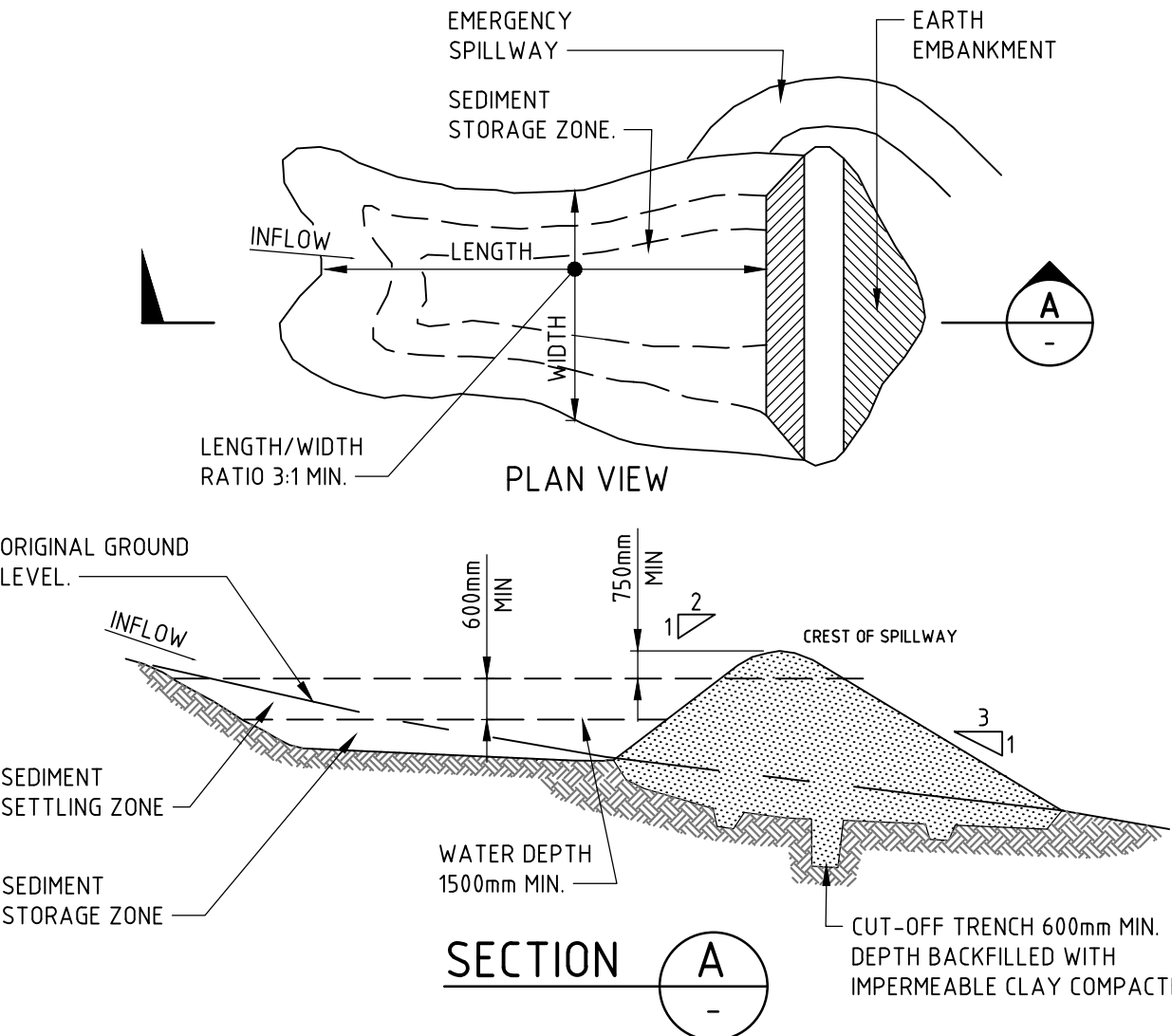
STOCKPILES (SD 4-1)



GEOTEXTILE INLET FILTER (SD 6-12)

CONSTRUCTION NOTES

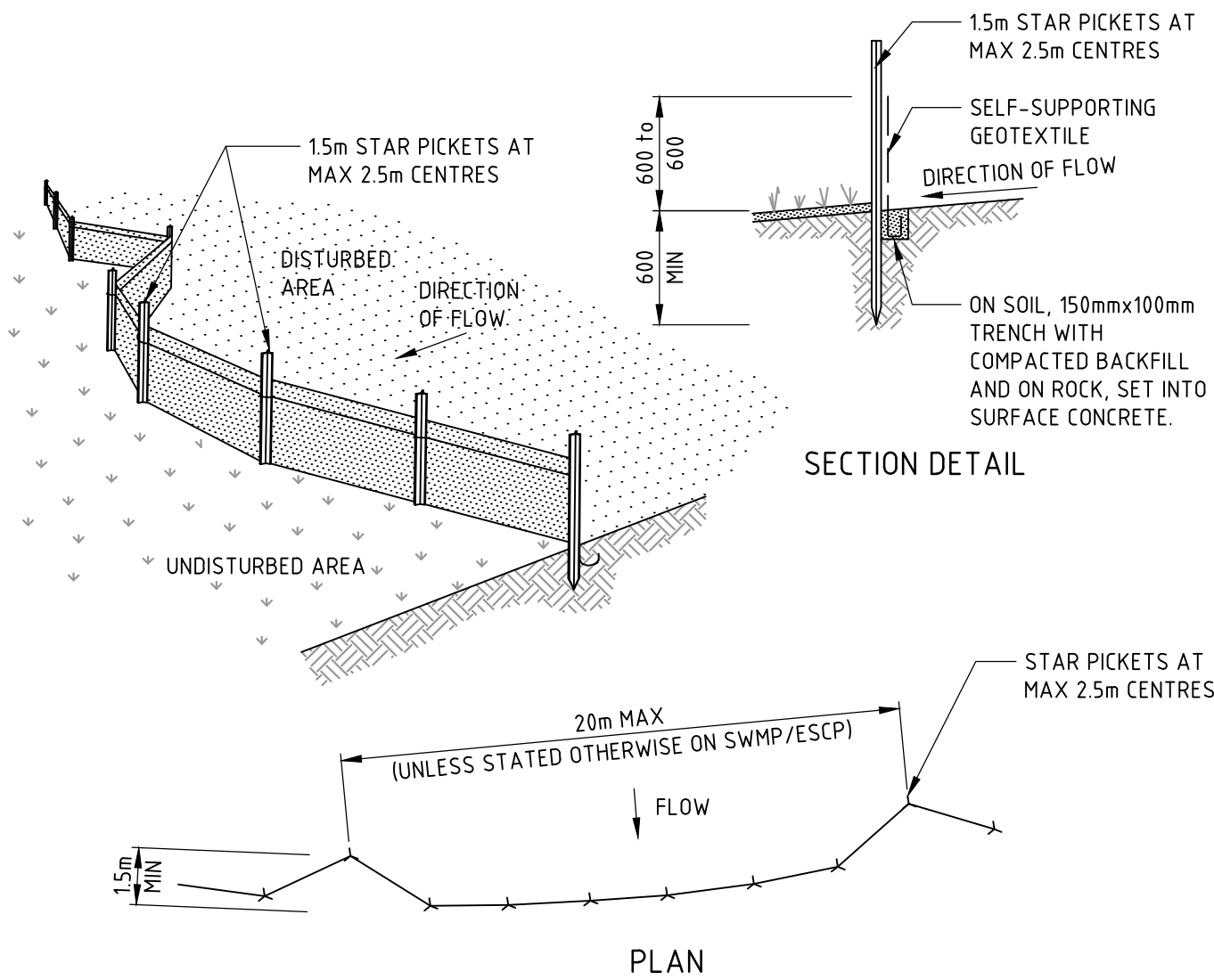
1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.



CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

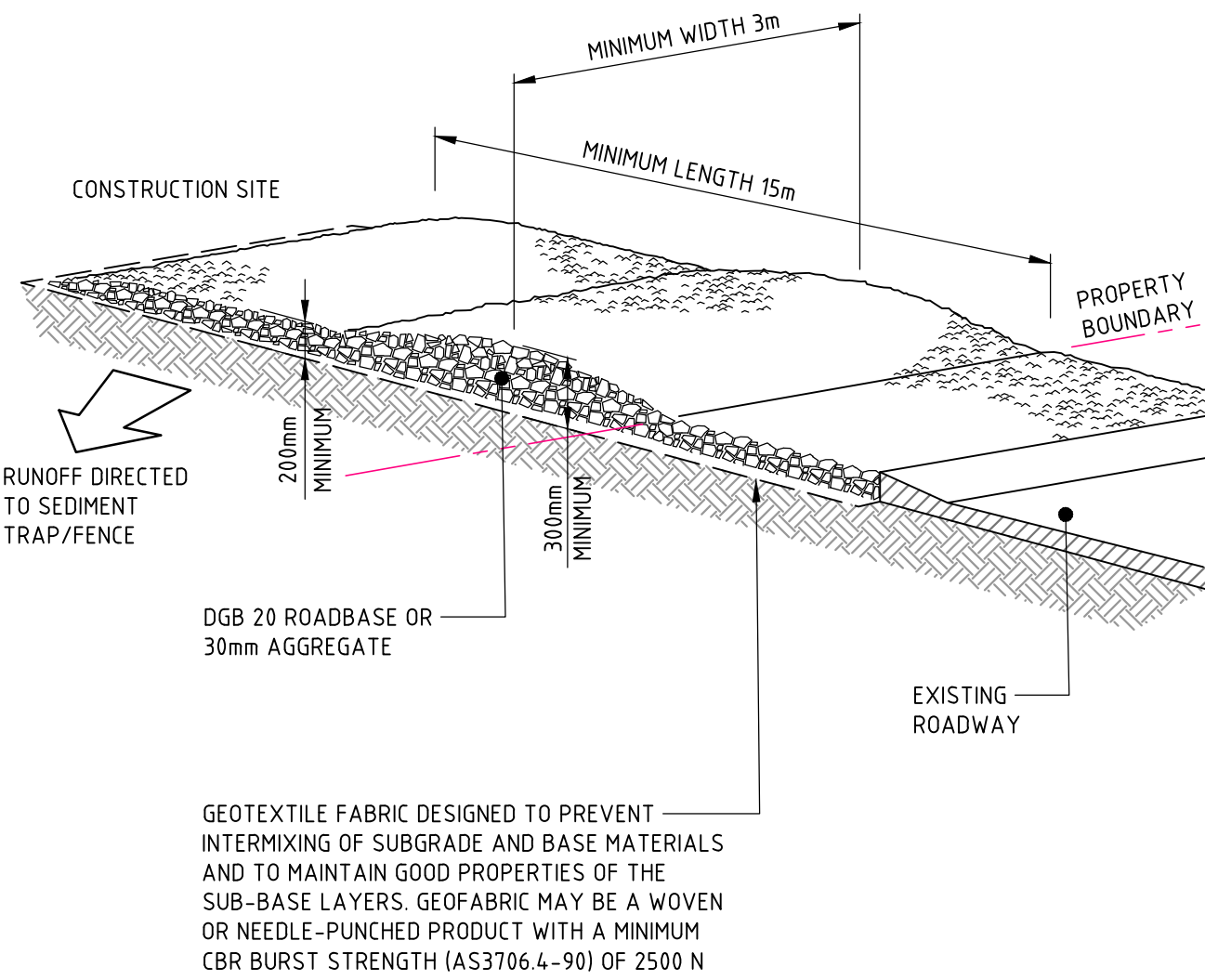
(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)
EARTH BASIN - WET



CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 15 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE (SD 6-8)



CONSTRUCTION NOTES

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMPS IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS (SD 6-14)

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DESIGN REVIEW	AP	-	DL	18.12.20
02	ISSUED FOR DEVELOPMENT APPLICATION	JO	-	DL	25.01.21
03	ISSUED FOR 50% PROGRESS PACK	UM	-	DL	26.02.21
04	ISSUED FOR LAYOUT CHANGE	UM	-	WW	17.03.21



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NOT TO SCALE



PROJECT
JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

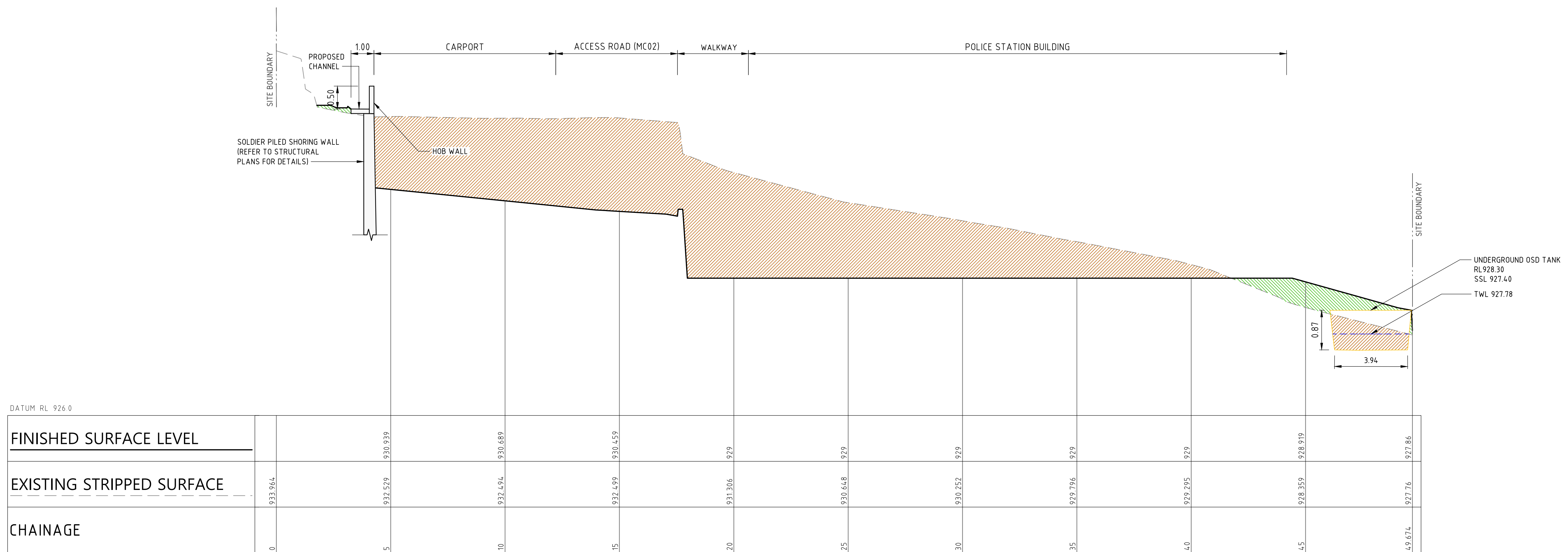
DEVELOPMENT APPLICATION

DRAWING TITLE
CIVIL ENGINEERING WORKS

SEDIMENT AND SOIL EROSION CONTROL DETAILS

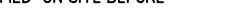
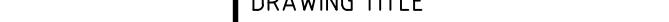
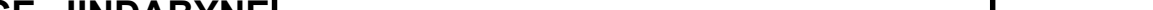
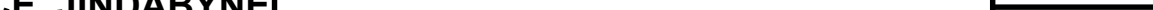
JOB NUMBER 202460	REVISION 04
DRAWING NUMBER JIN-CE-02.11	DRAWING SHEET SIZE = A1

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BULK EARTHWORKS 1

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1

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01	ISSUED FOR DEVELOPMENT APPLICATION	UM	-	DL	25.01.21	 NSW GOVERNMENT  NSW Police Force	 Group GSA Pty Ltd ABN 76 002 113 779 Level 7, 80 William St East Sydney NSW T +612 9361 4144 www.groupgsa.com	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	JINDABYNE POLICE STATION 16-18 THREDBO TERRACE, JINDABYNE	CIVIL ENGINEERING WORKS	202460		
02	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21						DRAWING NUMBER	REVISION	
03	ISSUED FOR LAYOUT CHANGE	UM	-	DL	17.03.21						JIN-CE-03.11	03	
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	 SCALE 1:50 @ A1 0.0 0.5 1.0 1.5 2.0 2.5m  SCALE 1:100 @ A1 0 1 2 3 4 5m		DEVELOPMENT APPLICATION		BULK EARTHWORKS CUT TO FILL SECTIONS - SHEET 01	DRAWING SHEET SIZE = A1

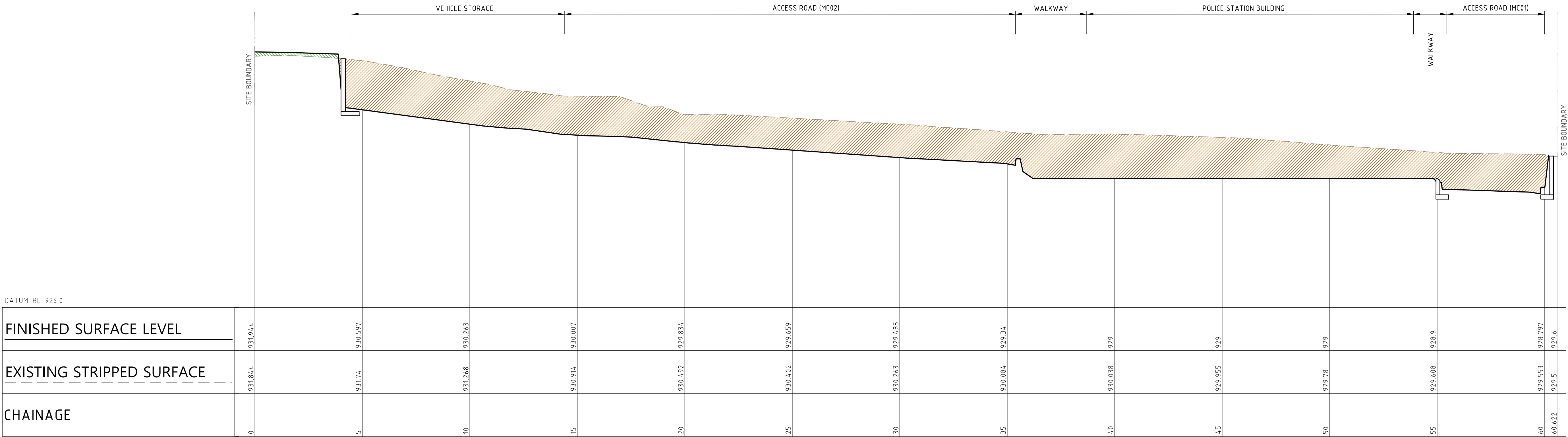
NOT FOR CONSTRUCTION

DRAWN: A. PACIBEN
DESIGNED: WING WU
JOB MANAGER: D. LIGANARIS
VERIFIER:

LEGEND

CUT AREA

FILL AREA



BULK EARTHWORKS 2
HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DEVELOPMENT APPLICATION	UM	-	DL	25.01.21
02	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21
03	ISSUED FOR LAYOUT CHANGE	UM	-	DL	17.03.21



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SCALE 1:50 @ A1
SCALE 1:100 @ A1

0.00.51.01.52.02.5m

012345m



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Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

DEVELOPMENT APPLICATION

DRAWING TITLE

CIVIL ENGINEERING WORKS
BULK EARTHWORKS CUT TO FILL
SECTIONS - SHEET 02

JOB NUMBER

202460

DRAWING NUMBER

JIN-CE-03.12

REVISION

03

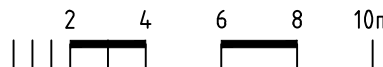
DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN
DESIGNED: WING WU
JOB MANAGER: D. LIGANARIS
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
01	ISSUED FOR DESIGN REVIEW	AP	-	DL	18.12.20	 
02	ISSUED FOR DEVELOPMENT APPLICATION	UM	-	DL	25.01.21	
03	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21	
04	ISSUED FOR LAYOUT CHANGE	UM	-	DL	17.03.21	

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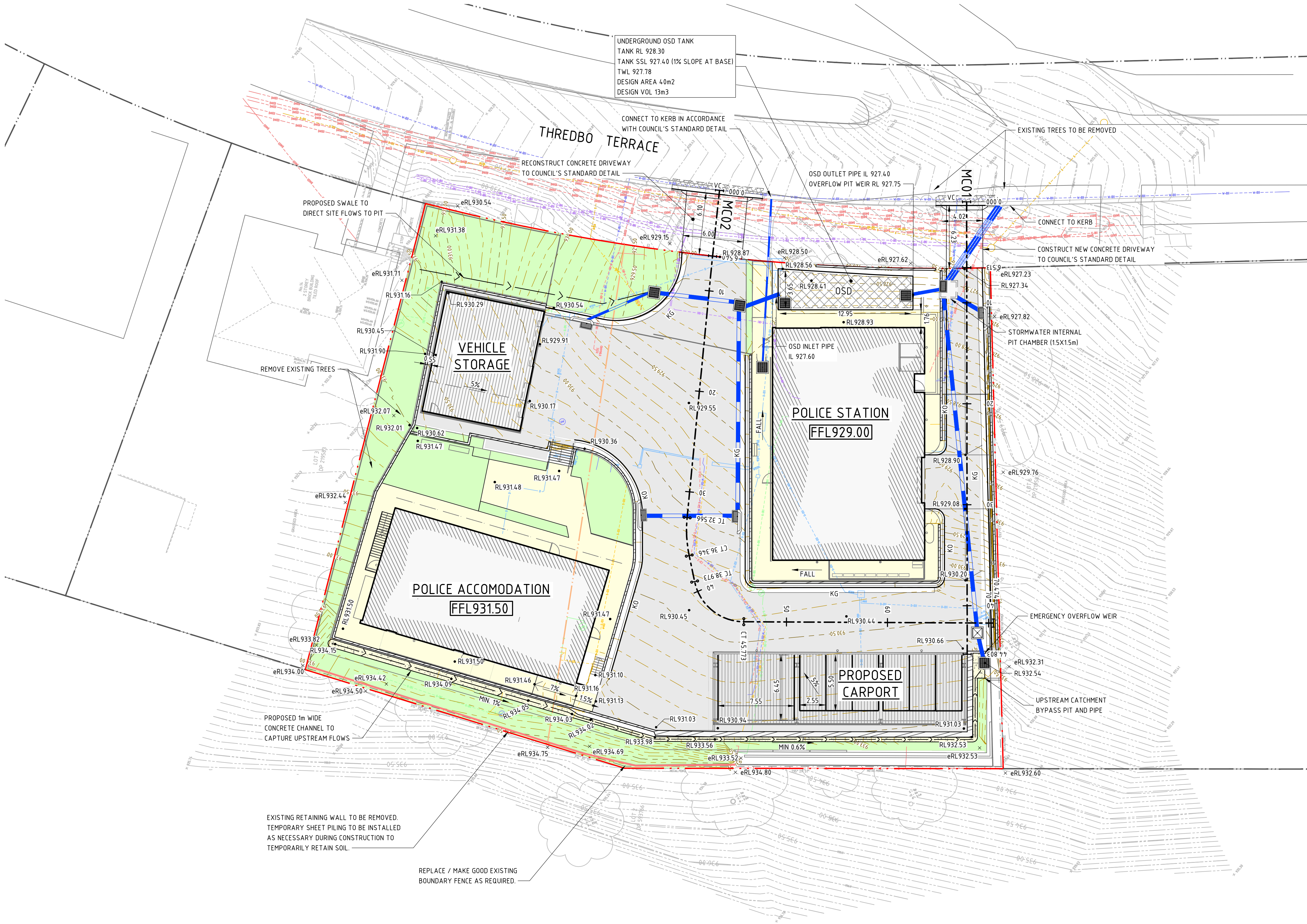
PROJECT
 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100

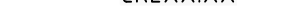
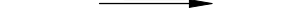
PROJECT
JINDABYNE POLICE STATION 16-18 THREDBO TERRACE, JINDABYNE
DEVELOPMENT APPLICATION

DRAWING TITLE
CIVIL ENGINEERING WORKS SITEWORKS AND STORMWATER MANAGEMENT PLAN

JOB NUMBER
202460
DRAWING NUMBER
JIN-CE-04.01
REVISION
04
DRAWING SHEET SIZE = A1

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LEGEND	
	SITE BOUNDARY LINE
	EXISTING BOUNDARY LINE
	REDUNDANT BOUNDARY LINE
	PROPOSED KERB
	EXISTING KERB
	VEHICULAR CROSSING
	SAWCUT AND PAVEMENT INFILL
	PROPOSED CONTOURS
	EXISTING CONTOURS
	PROPOSED SPOT HEIGHT
	EXISTING SPOT HEIGHT
	DIRECTION OF GRADE
	STORMWATER PIPE
	ON-SITE DETENTION TANK
	RETAINING WALL
	NEW DRAINAGE STRUCTURE
	PROPOSED SWALE
	PROPOSED CONCRETE CHANNEL

DRAWN: A. PACIBEN	DESIGNED: WING WU	JOB MANAGER: D. LIGANARIS	VERIFIER:
-------------------	-------------------	---------------------------	-----------

DESIGN GRADELINE
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY

DATUM RL 923.0

CHAINAGE	EXISTING SURFACE		FINISHED SURFACE	
0.000	926.655	926.655		
0.460	926.766	926.615		
0.500	926.771	926.655		
1.236	926.859	926.765		
4.732	927.208	927.278		
6.533	927.347	927.332		
10.000	927.838	927.626		
20.000	929.39	928.471		
25.067	929.817	928.9		
30.000	930.419	929.063		
30.497	930.485	929.079		
38.437	931.536	930.359		
40.000	932.488	930.434		
44.685	932.534	930.669		

LONGITUDINAL SECTION ALONG MC01

HORIZONTAL SCALE 1:100@A1
VERTICAL SCALE 1:50@A1

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DEVELOPMENT APPLICATION	UM	-	DL	25.01.21
02	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21
03	ISSUED FOR LAYOUT CHANGE	UM	-	DL	17.03.21



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SCALE 1:100 @ A1

SCALE 1:50@A1



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PROJECT
JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

DEVELOPMENT APPLICATION

DRAWING TITLE

CIVIL ENGINEERING WORKS

**DRIVEWAY LONGITUDINAL
SECTION - SHEET 01**

JOB NUMBER		202460	
DRAWING NUMBER		REVISION	
JIN-CE-06.01		03	
DRAWING SHEET SIZE = A1			

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DRAWN: A. PACIBEN
DESIGNED: WING WU
JOB MANAGER: D. LIGANARIS
VERIFIER:



LEGEND	
	SITE BOUNDARY LINE
	EXISTING BOUNDARY LINE
	CATCHMENT TO OSD
	BYPASS CATCHMENT
	ON-SITE DETENTION TANK
	NEW DRAINAGE STRUCTURE
	PROPOSED CONCRETE CHANNEL

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR DESIGN REVIEW	AP	-	DL	18.12.20
02	ISSUED FOR DEVELOPMENT APPLICATION	UM	-	DL	25.01.21
03	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21
04	ISSUED FOR LAYOUT CHANGE	UM	-	DL	17.03.21

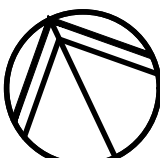


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SCALE 1:200@A1




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PROJECT
JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

DEVELOPMENT APPLICATION

DRAWING TITLE
CIVIL ENGINEERING WORKS

CATCHMENT PLAN

JOB NUMBER
202460

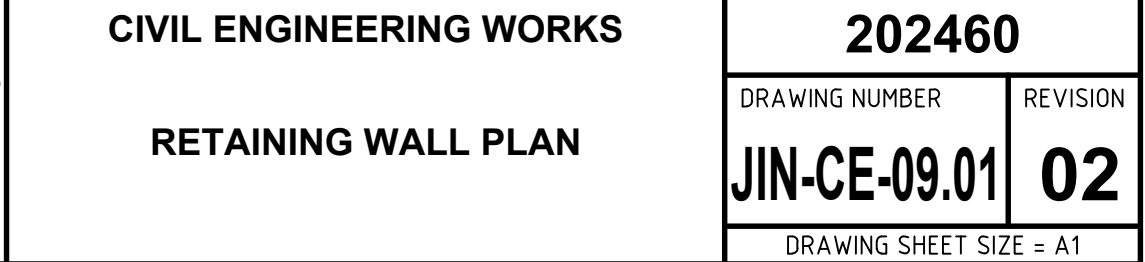
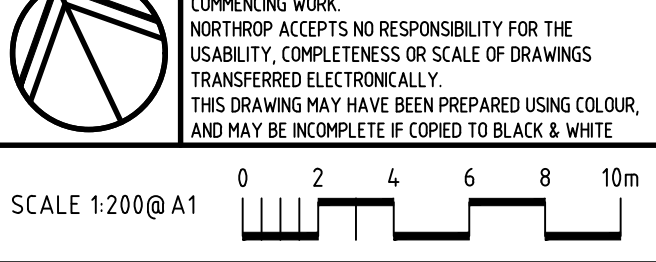
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JIN-CE-08.01

REVISION
04

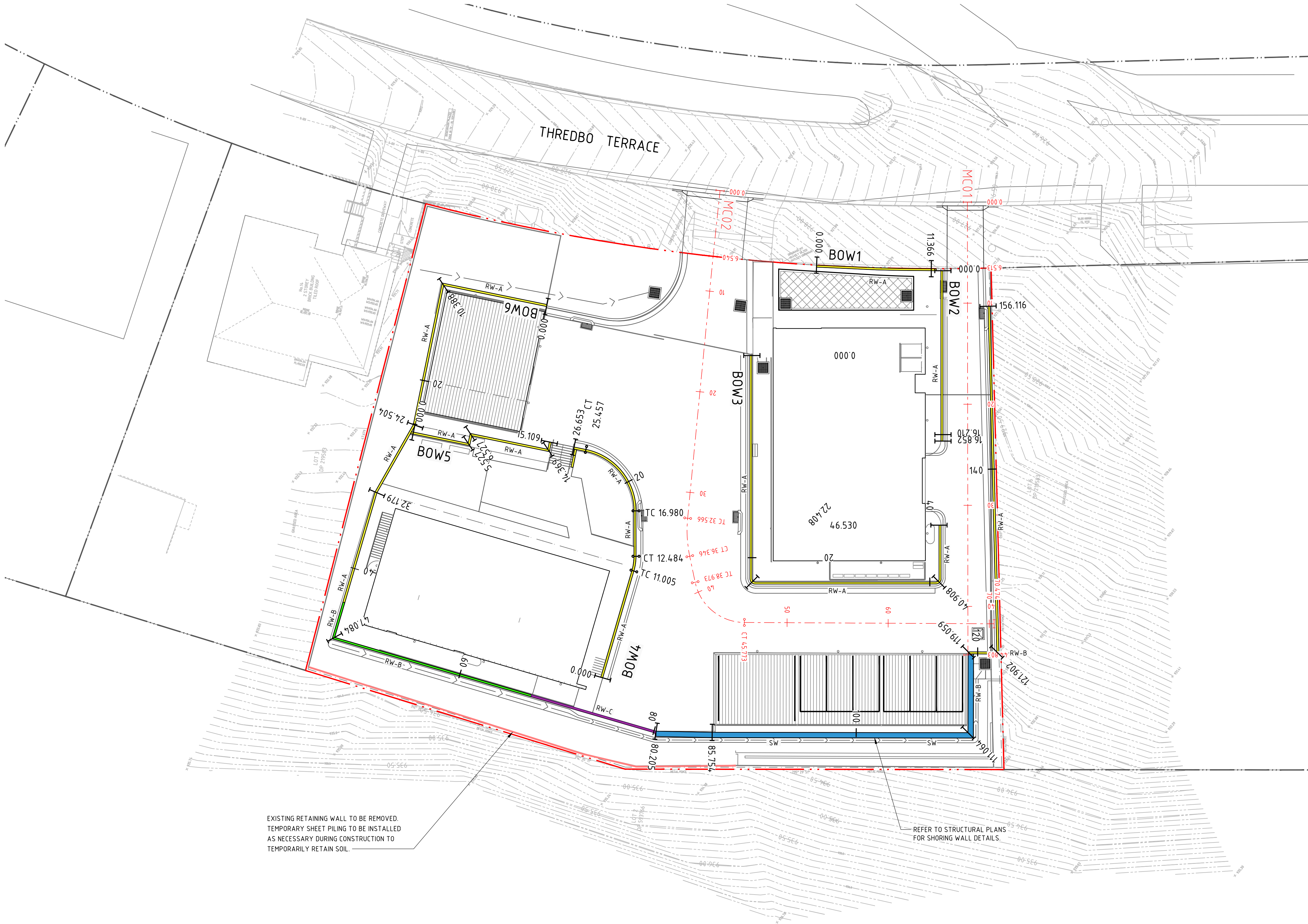
DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN
DESIGNED: WING WU
JOB MANAGER: D. LIGAVARIS
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
01	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21	NSW GOVERNMENT NSW Police Force
02	ISSUED FOR LAYOUT CHANGE	UM	-	WW	17.03.21	



NOT FOR CONSTRUCTION



LEGEND	
	SITE BOUNDARY LINE
	EXISTING BOUNDARY LINE
BOWX	RETAINING WALL ALIGNMENT CONTROL (BOTTOM OF WALL)
	CHAINAGE
	RETAINING WALL TYPE 'A' - 190mm WIDE WITH N16-400 STARTER BARS
	RETAINING WALL TYPE 'B' - 190/290mm WIDE WITH N20-400 STARTER BARS
	RETAINING WALL TYPE 'C' - 190 / 290mm WIDE WITH N20-200 STARTER BARS
	SHORING WALL - 525mm WIDE. REFER TO STRUCTURAL PLANS FOR DETAILS.
	DRIVEWAY ALIGNMENT

DRAWN: A. PACIBEN



ELEVATION OF RETAINING WALL BOW 1

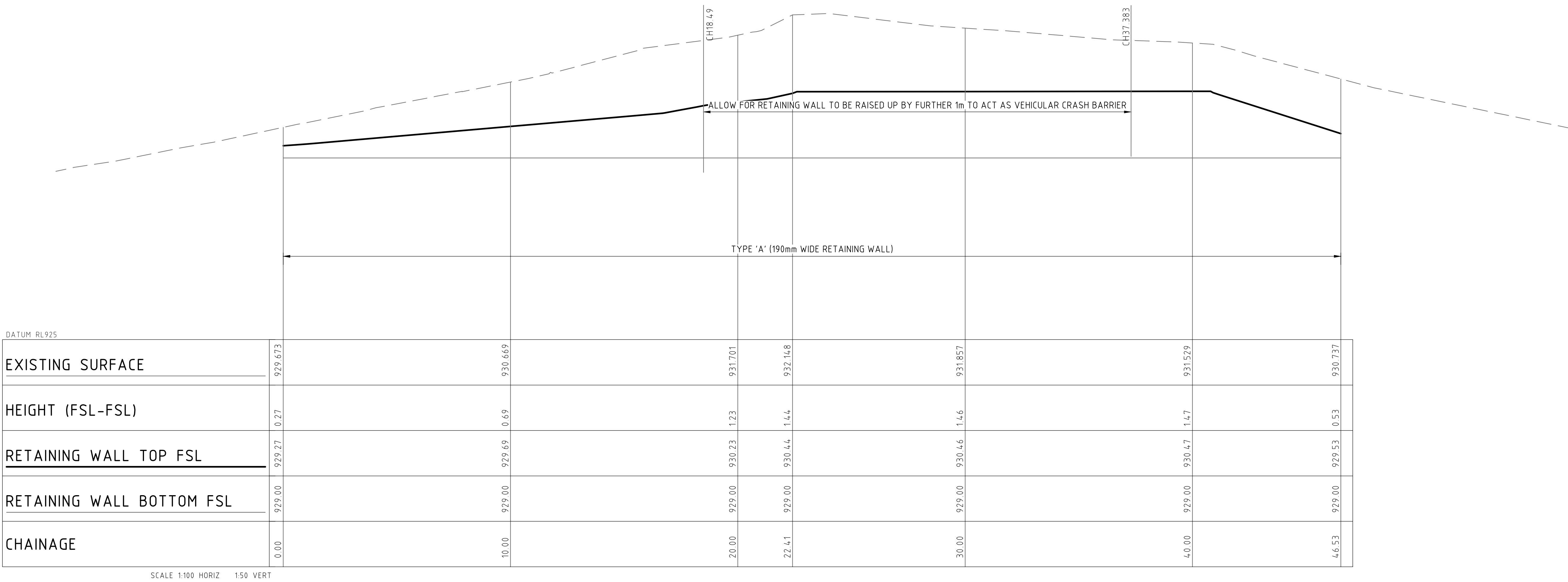


ELEVATION OF RETAINING WALL BOW 2

NOT FOR CONSTRUCTION

REVISION		DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT		DRAWING TITLE		JOB NUMBER
01	ISSUED FOR 50% PROGRESS PACK		JO	-	DL	26.02.21	 	 Group GSA Pty Ltd ABN 76 002 113 779 Level 7, 80 William St East Sydney NSW T +612 9591 4144 www.groupgsa.com	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	JINDABYNE POLICE STATION 16-18 THREDBO TERRACE, JINDABYNE	CIVIL ENGINEERING WORKS	202460	
02	ISSUED FOR LAYOUT CHANGE		UM	-	WW	17.03.21							
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												DRAWING SHEET SIZE = A1	

DRAWN: A. PACIBEN DESIGNED: WING WU JOB MANAGER: D. LIGANARIS VERIFIER:



ELEVATION OF RETAINING WALL BOW 3

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21
02	ISSUED FOR LAYOUT CHANGE	UM	-	WW	17.03.21



NSW
GOVERNMENT



NSW Police Force

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ARCHITECT



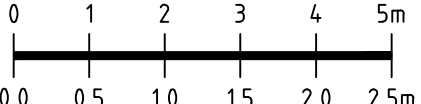
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SCALE 1:50 @ A1





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PROJECT

JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

DEVELOPMENT APPLICATION

DRAWING TITLE

CIVIL ENGINEERING WORKS

RETAINING WALL ELEVATION
- SHEET 02

JOB NUMBER

202460

DRAWING NUMBER

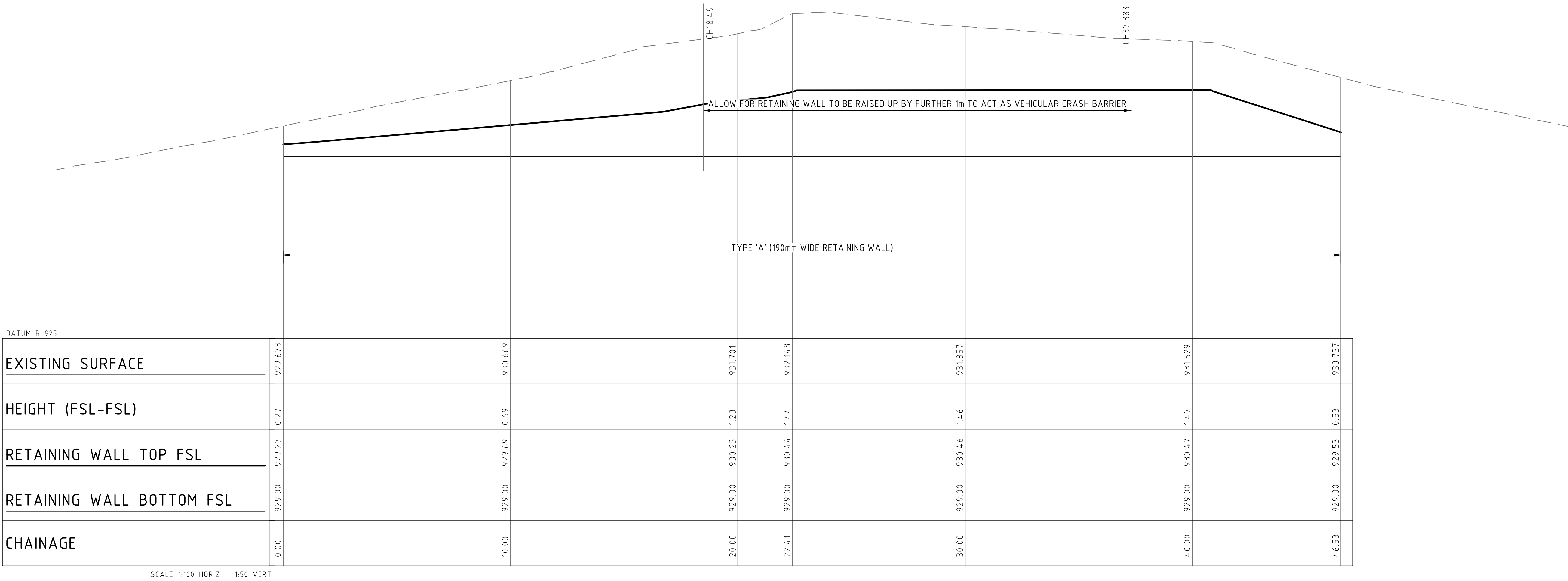
REVISION

JIN-CE-09.12

02

DRAWING SHEET SIZE = A1

DRAWN: A. PACIBEN DESIGNED: WING WU JOB MANAGER: D. LIGANARIS VERIFIER:



ELEVATION OF RETAINING WALL BOW 3

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21
02	ISSUED FOR LAYOUT CHANGE	UM	-	WW	17.03.21



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ARCHITECT

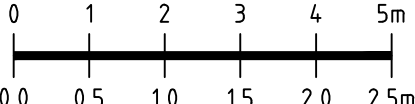


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SCALE 1:100 @ A1
SCALE 1:50 @ A1





Sydney
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Ph (02) 9241 4188 Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

JINDABYNE POLICE STATION
16-18 THREDBO TERRACE, JINDABYNE

DEVELOPMENT APPLICATION

DRAWING TITLE

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- SHEET 02

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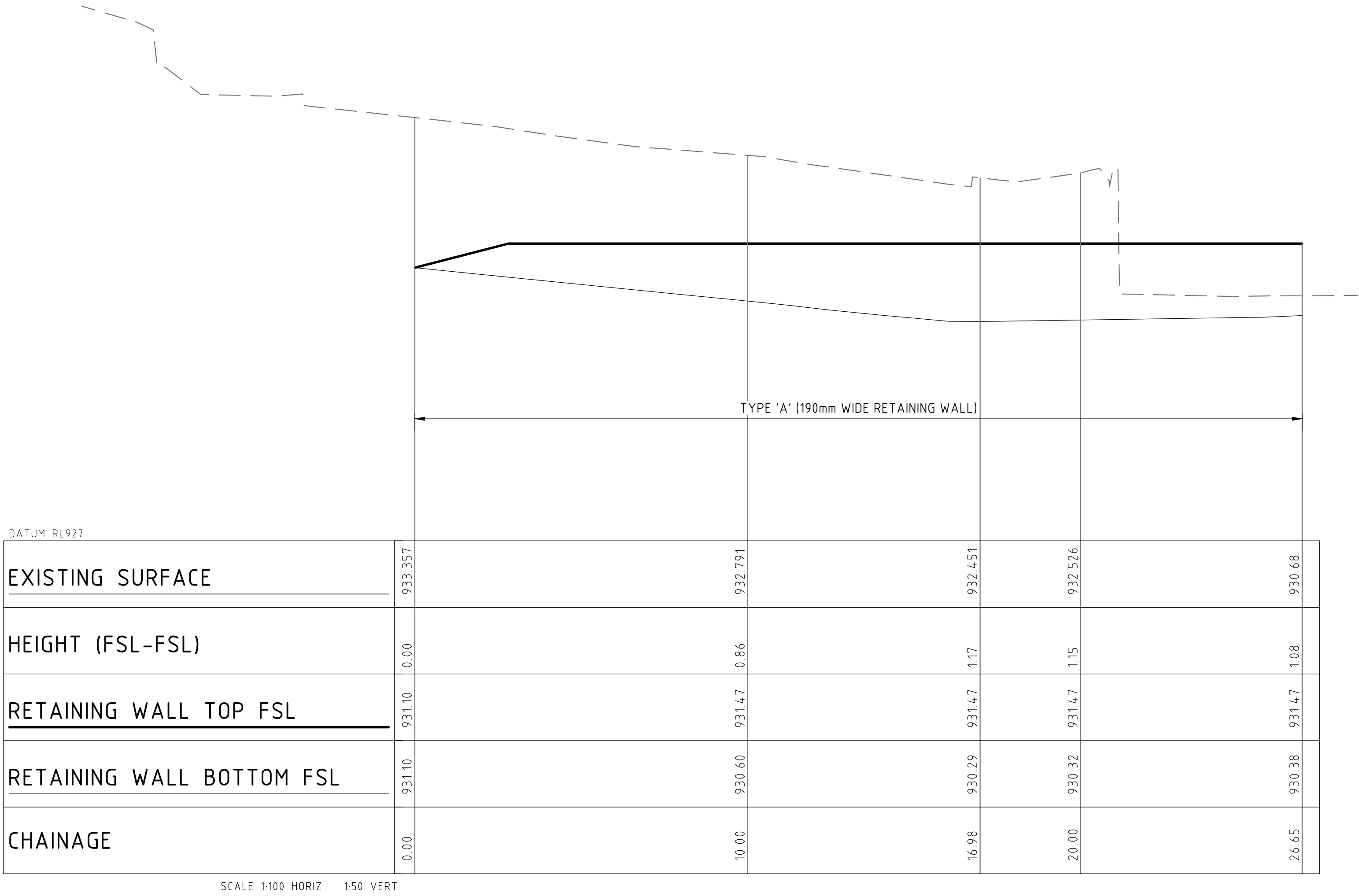
JIN-CE-09.12

REVISION

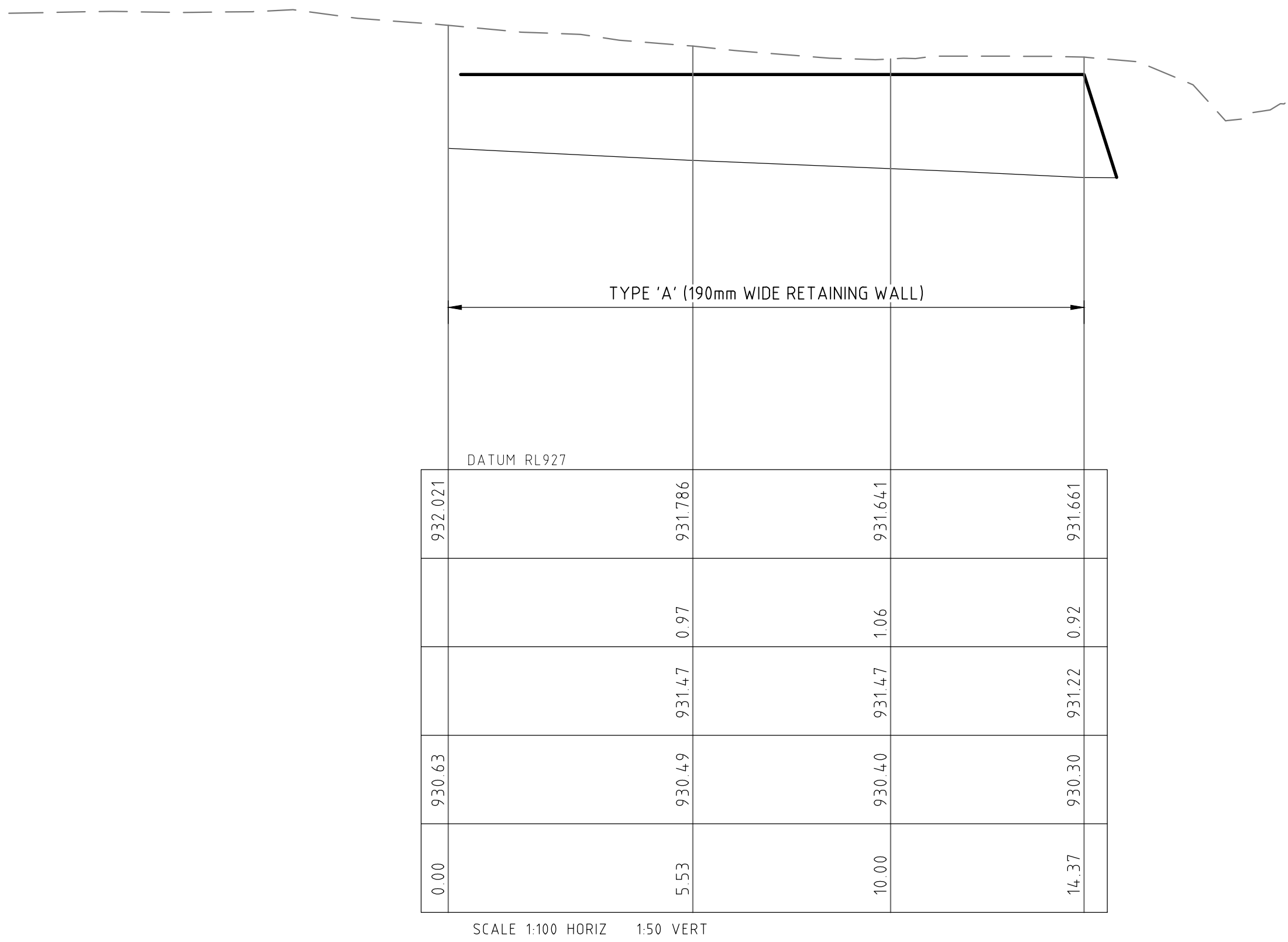
02

DRAWING SHEET SIZE = A1

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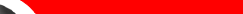


ELEVATION OF RETAINING WALL BOW 4

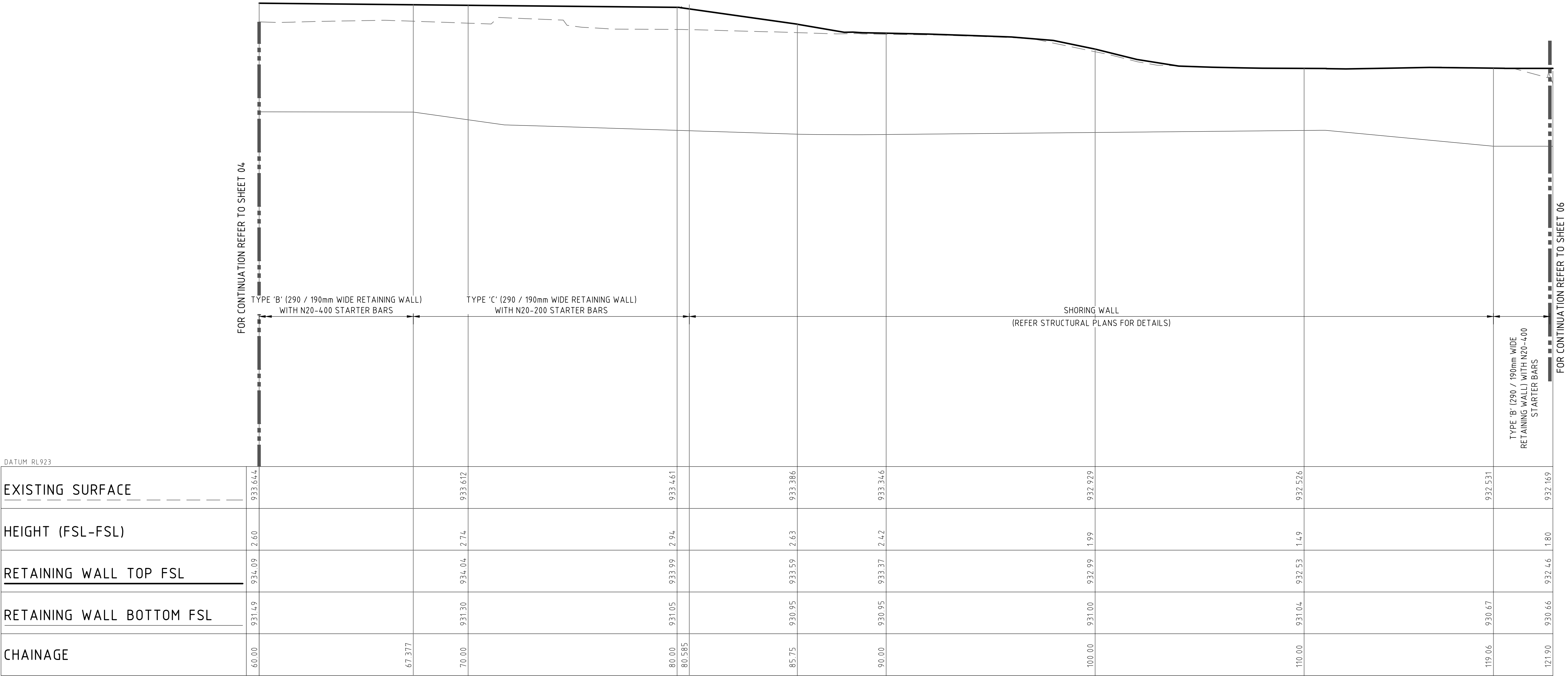


ELEVATION OF RETAINING WALL BOW 5

NOT FOR CONSTRUCTION

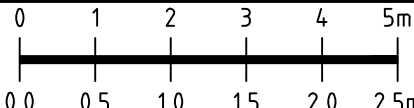
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02	ISSUED FOR LAYOUT CHANGE	UM	-	WW	17.03.21							
											DRAWING NUMBER	REVISION
											JIN-CE-09.13	02
											DRAWING SHEET SIZE = A1	

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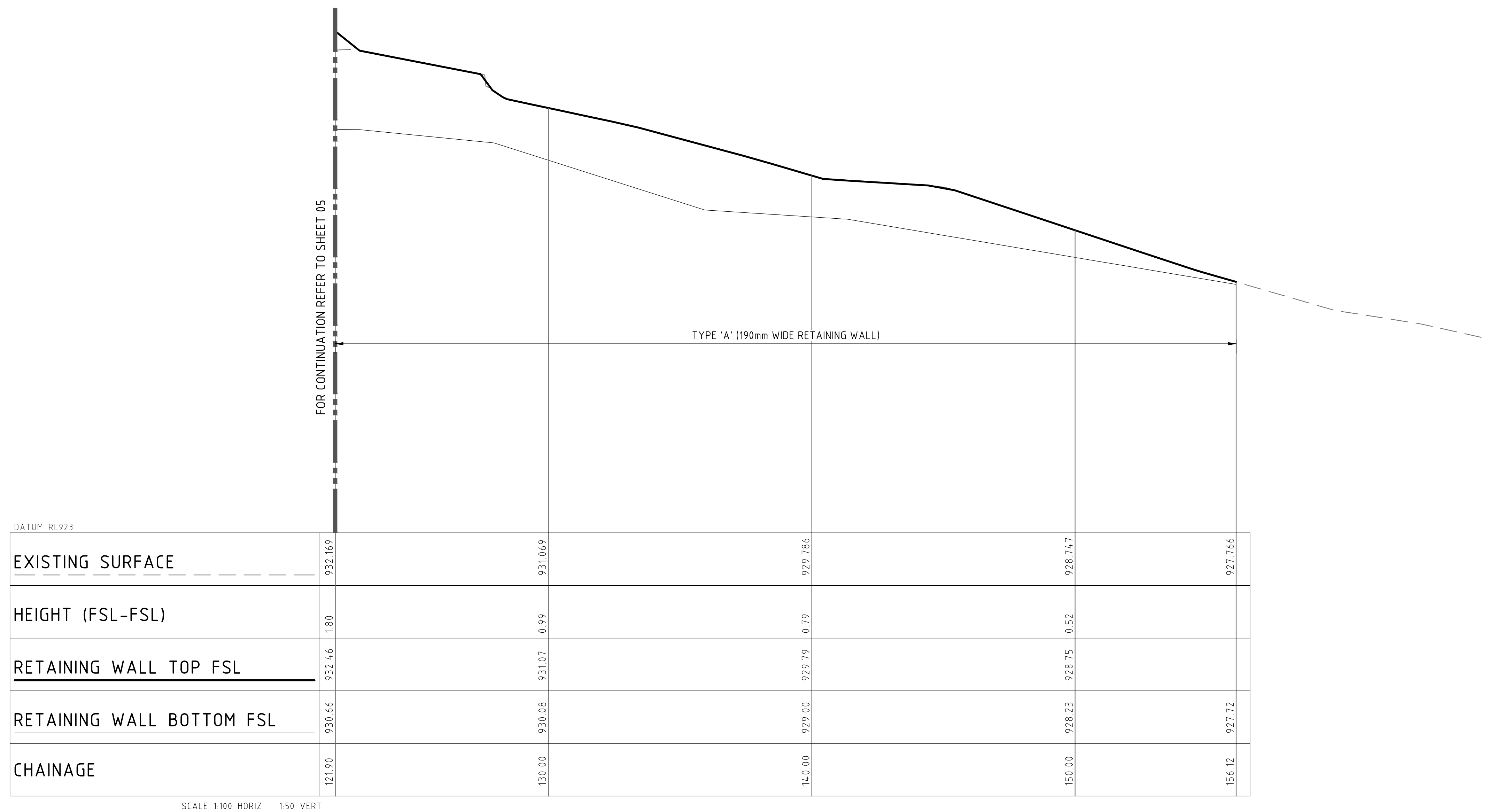


ELEVATION OF RETAINING WALL BOW 6 (CONT.)

NOT FOR CONSTRUCTION

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01		ISSUED FOR 50% PROGRESS PACK			JO	-	DL	26.02.21	 THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	 Group GSA Pty Ltd ABN 76 002 113 779 Level 7, 80 William St East Sydney NSW T +612 9361 4144 www.groupgsa.com	SCALE 1:100 @ A1 SCALE 1:50 @ A1 	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	JINDABYNE POLICE STATION 16-18 THREDBO TERRACE, JINDABYNE	CIVIL ENGINEERING WORKS RETAINING WALL ELEVATION - SHEET 05	202460		
02		ISSUED FOR LAYOUT CHANGE			UM	-	WW	17.03.21									

DRAWN: A. PACIBEN	DESIGNED: WING WU	JOB MANAGER: D. LIGANARIS	VERIFIER:
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ELEVATION OF RETAINING WALL BOW 6 (CONT.)

NOT FOR CONSTRUCTION

REVISION		DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE		PROJECT	DRAWING TITLE		JOB NUMBER	
01		ISSUED FOR 50% PROGRESS PACK	JO	-	DL	26.02.21	 	 Group GSA Pty Ltd ABN 76 002 113 779 Level 7, 80 William St East Sydney NSW T +612 9951 4144 www.groupgsa.com	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	JINDABYNE POLICE STATION 16-18 THREDBO TERRACE, JINDABYNE	CIVIL ENGINEERING WORKS		202460		
02		ISSUED FOR LAYOUT CHANGE	JM	-	WW	17.03.21					RETAINING WALL ELEVATION - SHEET 06		JIN-CE-09.16 02		DRAWING SHEET SIZE = A1
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JINDABYNE POLICE STATION
16 - 18 THREDBO TERRACE, JINDABYNE



1 LOCATION PLAN
1:1000

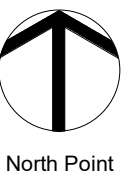
JINDABYNE POLICE STATION - DRAWING LIST

Sheet Number	Sheet Name	Current Revision
0000 COVER / TITLE / LOCATION		
0001	LOCATION PLAN & DRAWING LIST	D
0100 DEMOLITION PLANS & SITE PLANS		
0100	EXISTING SITE PLAN	H
0101	DEMOLITION PLAN - STAGE 1 & STAGE 2	G
0102	PROPOSED SITE PLAN	H
0103	SITE SECTIONS	I
0104	STREET FRONTAGE	D
0105	SITE ANALYSIS	A
0106	SITE - PHOTOS	A
0200 FLOOR PLANS		
0200	GENERAL ARRANGEMENT PLANS & ROOF PLAN - POLICE STATION	I
0201	GENERAL ARRANGEMENT PLANS & ROOF PLAN - ACCOMMODATION	H
0300 ELEVATIONS		
0300	ELEVATIONS - POLICE STATION	F
0301	ELEVATIONS - ACCOMMODATION	F
0400 SECTIONS		
0400	SECTIONS - POLICE STATION	F
0401	SECTIONS - ACCOMMODATION	F
0500 PLANNING		
0570	SHADOW DIAGRAMS - JUNE AND DECEMBER	E
0571	SHADOW DIAGRAMS - MARCH AND SEPTEMBER	A
0700 EXTERNAL WORKS		
0700	EXTERNAL WORKS - CARPORT	F
0701	EXTERNAL WORKS - BOAT & SKIDOOS SHED	D
0800 EXTERNAL RENDER		
0800	EXTERNAL RENDERS	E
Grand total: 19		

DEVELOPMENT DATA			
BCA CLASSIFICATION		CLASS 3 + 5 + 7a + 7b + 10a	
CONSTRUCTION TYPE		TYPE C	
SITE AREA		3139m²	
GROSS FLOOR AREA (NEW POLICE STATION)		621m²	
GROSS FLOOR AREA (NEW ACCOMMODATION)		478m²	
PARKING NUMBERS	CARS	6	
	TRAILERS	2	
	SKI-DOOS	8	
	BOAT	1	
LAND USE ZONE		B2 - LOCAL CENTRE	
	LEP MAXIMUM	PROPOSED	COMPLIANCE
FLOOR SPACE RATIO	NIL	0.4:1	NIL

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Issue	Reason for Issue/Change	Date	Chk
A	ISSUED FOR INFORMATION	11/12/2020	GSA
B	25% CONCEPT DESIGN	16/12/2020	GSA
C	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
D	DA SUBMISSION	19/03/2021	GSA



Client



NSW Police Force



BGIS

Principal Design Consultant

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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE, JINDABYNE

Asset

JINDABYNE POLICE STATION

Drawing Title

LOCATION PLAN & DRAWING LIST

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1 : 1000	19/03/2021	HK OM
Group GSA	Drawing No	Revision	
Proj. No			
200005	JIN-AR-0001	D	





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B	ISSUED FOR INFORMATION	20/11/2020	
C	ISSUED FOR INFORMATION	27/11/2020	GSA
D	ISSUED FOR INFORMATION	04/12/2020	GSA
E	ISSUED FOR INFORMATION	11/12/2020	GSA
F	25% CONCEPT DESIGN	16/12/2020	GSA
G	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
H	DA SUBMISSION	19/03/2021	GSA

LEGEND - EXISTING SITE PLAN

	EXISTING STRUCTURE
	EXISTING TREES
	SITE BOUNDARY

North Point

Client

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Project

NSW POLICE STATIONS

Location
16 - 18 THREDBO TERRACE, JINDABYNE

Asset
JINDABYNE POLICE STATION

Drawing Title
EXISTING SITE PLAN

Phase DA	Scale @A1 - 1 : 200	Plot Date 19/03/2021	Drawn Chk HK OM
Group GSA Proj. No 200005	Drawing No JIN-AR-0100	Revision H	



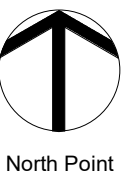
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E	25% CONCEPT DESIGN	16/12/2020	GSA
F	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
G	DA SUBMISSION	19/03/2021	GSA

LEGEND - DEMOLITION PLANS

- EXTENT OF STAGE 1 DEMOLITION
- EXTENT OF STAGE 2 DEMOLITION
- BUILDINGS TO BE DEMOLISHED
- EXISTING TREES TO BE REMOVED / RELOCATED
- SITE BOUNDARY
- EXISTING TREES TO REMAIN



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

JINDABYNE POLICE STATION

Drawing Title

DEMOLITION PLAN - STAGE 1 &
STAGE 2

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1 : 200	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0101	G	



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E	ISSUED FOR INFORMATION	11/12/2020	GSA
F	25% CONCEPT DESIGN UPDATE	16/12/2020	GSA
G	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
H	DA SUBMISSION	19/03/2021	GSA

LEGEND - PROPOSED SITE PLAN

- SITE BOUNDARY
- PROPOSED BOUNDARY FENCE: 2100(H) COLORBOND FENCE TO EAST, WEST AND SOUTH & PERFORATED METAL FENCE TO THE NORTH RAKED TOP TO SUIT GROUND SLOPE
- PROPOSED DRIVEWAY
- ▲ SITE / BUILDING ENTRY
- EXISTING TREE
- NEW TREE
- EXTERNAL LIGHTS - REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR DETAILS
- EXTERNAL BOLLARD LIGHTS - REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR DETAILS

North Point

Client

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Project

NSW POLICE STATIONS

Location
16 - 18 THREDBO TERRACE, JINDABYNE

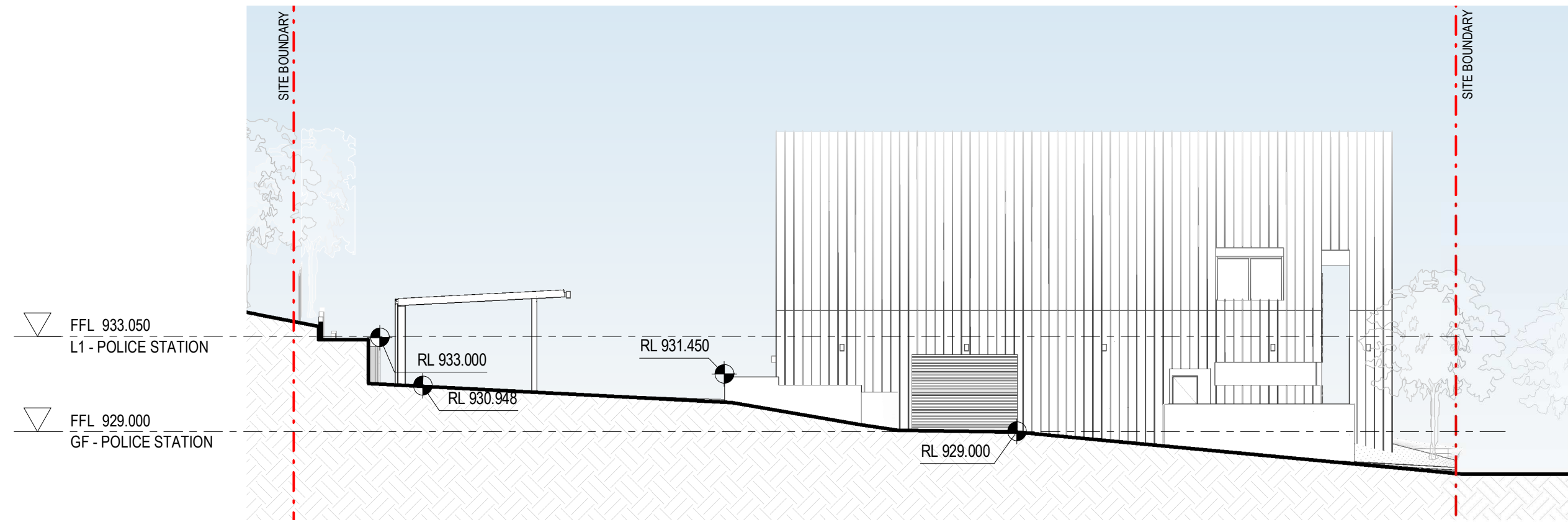
Asset
JINDABYNE POLICE STATION

Drawing Title
PROPOSED SITE PLAN

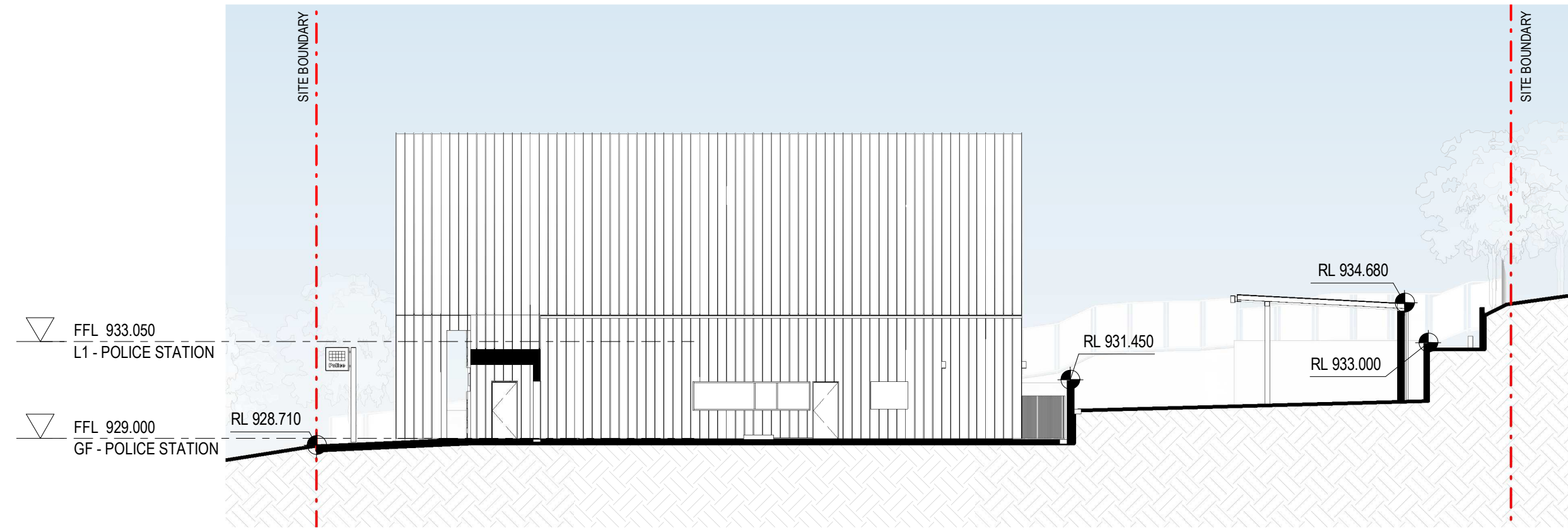
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DA	@A1 - 1 : 200	19/03/2021	HK OM

Group GSA Proj. No	Drawing No	Revision
200005	JIN-AR-0102	H

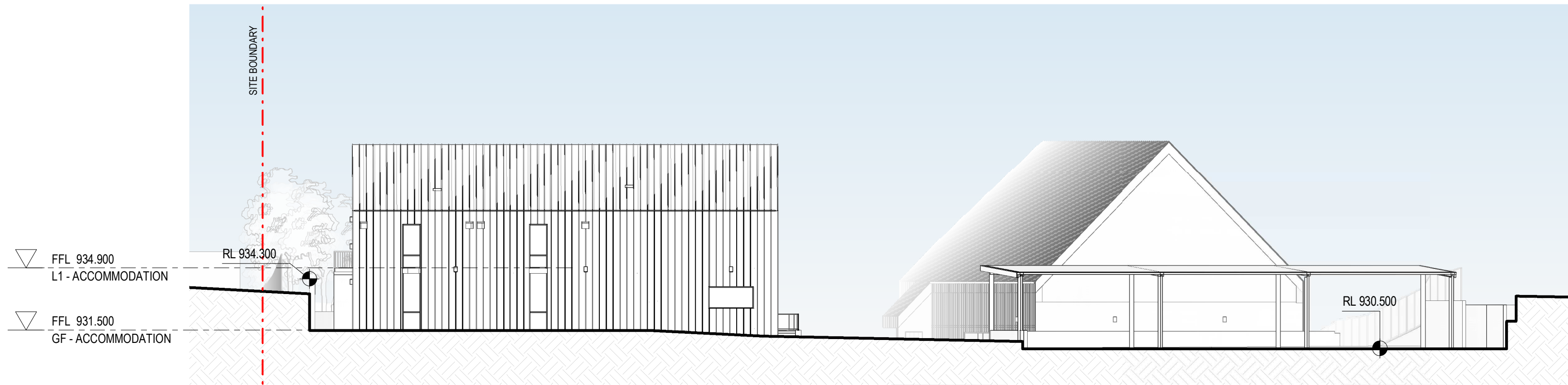
0m 2m 4m 6m 8m 10m



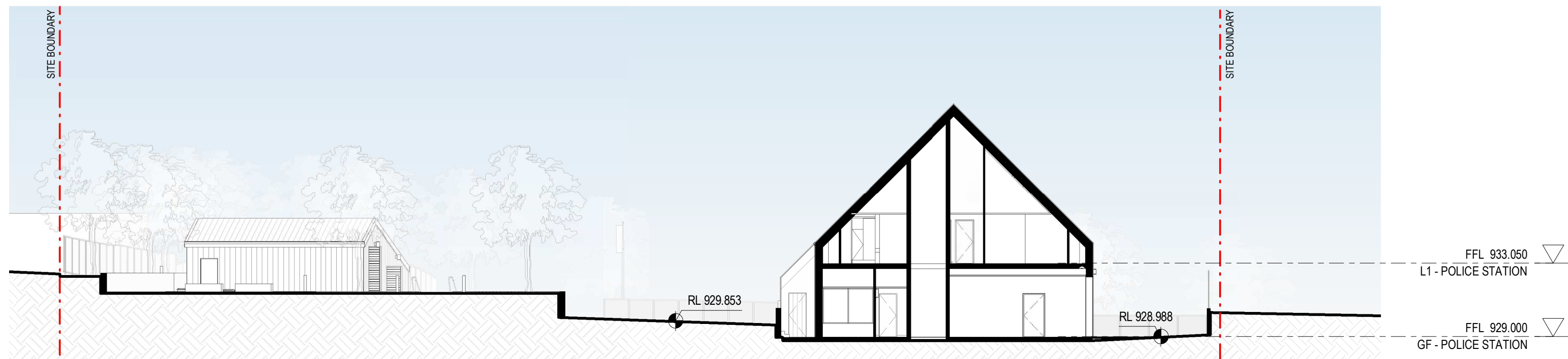
1 SITE SECTION 01
1 : 200



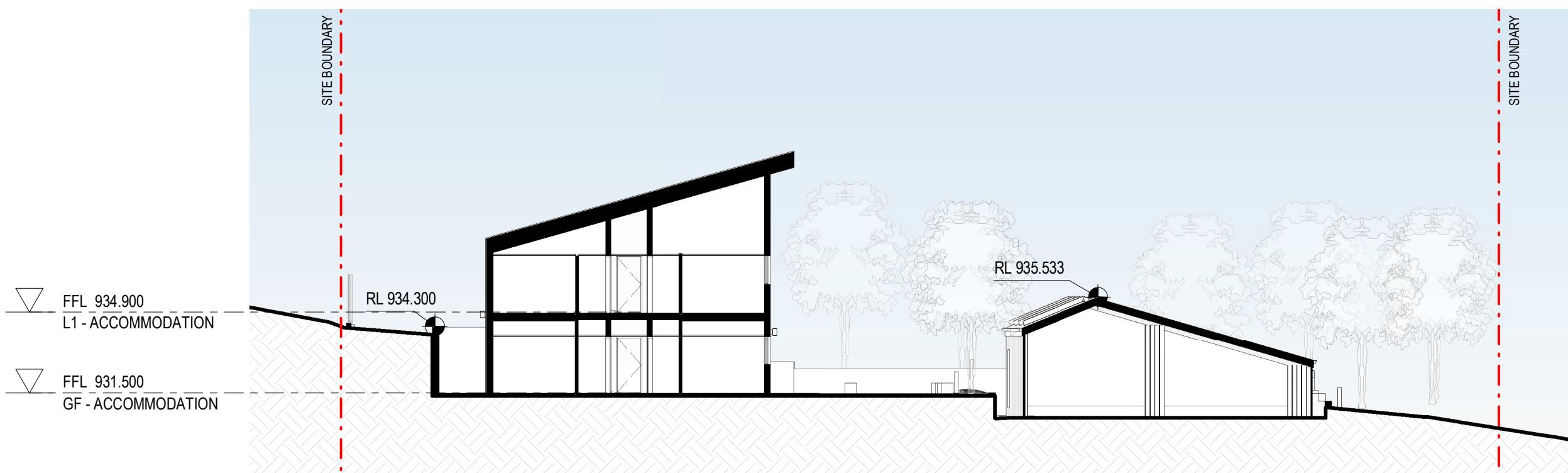
2 SITE SECTION 02
1 : 200



3 SITE SECTION 03
1 : 200



4 SITE SECTION 04
1 : 200



5 SITE SECTION 05
1 : 200



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Project
NSW POLICE STATIONS

Location
16 - 18 THREDBO TERRACE, JINDABYNE

Asset
JINDABYNE POLICE STATION

Drawing Title
SITE SECTIONS

Phase DA	Scale @A1 - 1 : 200	Plot Date 19/03/2021	Drawn Chk HK OM
Group GSA Proj. No 200005	Drawing No JIN-AR-0103	Revision I	



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

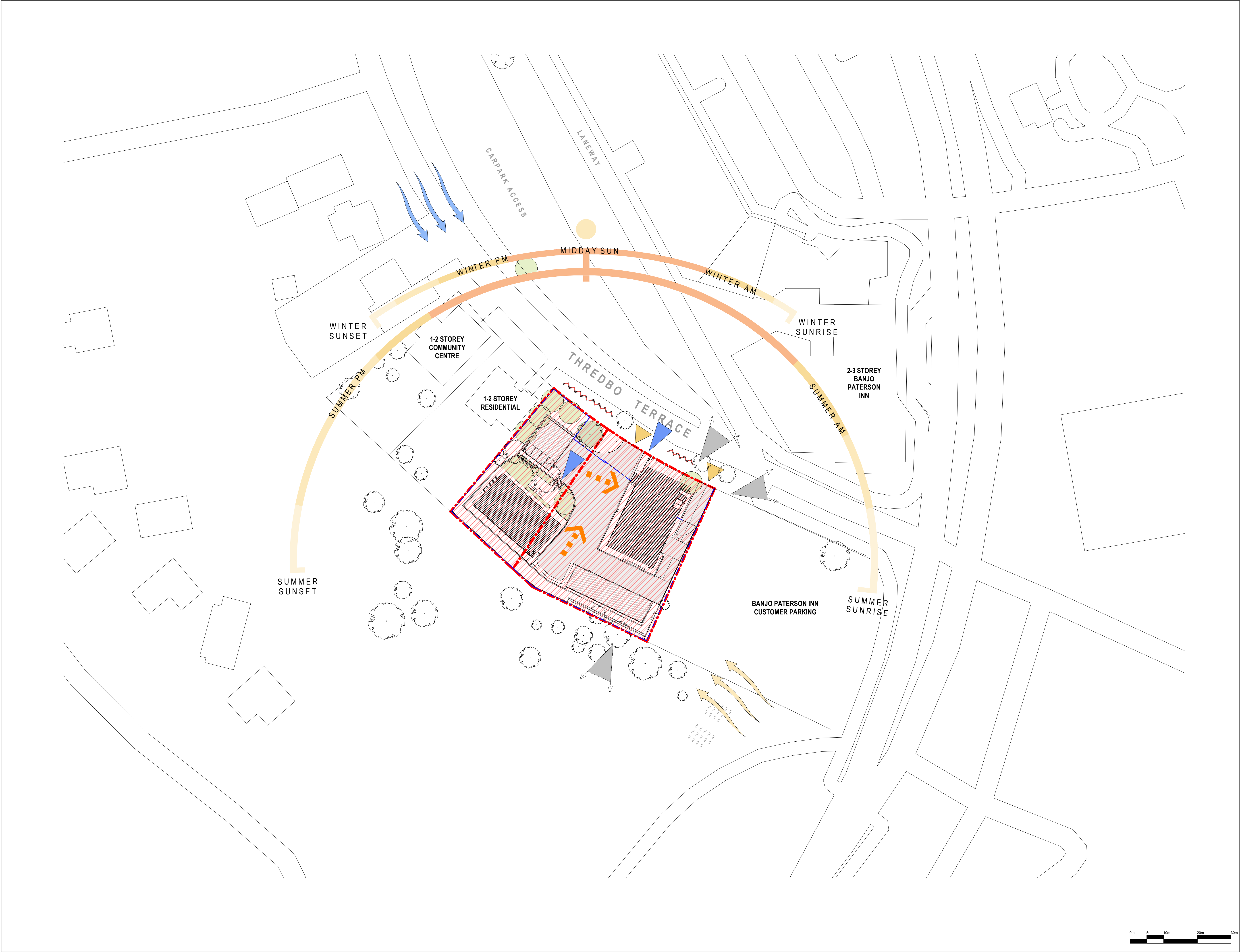
JINDABYNE POLICE STATION

Drawing Title

STREET FRONTAGE

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1 : 100	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0104	D	





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Issue	Reason for Issue/Change	Date	Chk
A	DA SUBMISSION	19/03/2021	GSA

LEGEND

- SITE BOUNDARY
- [Red hatched box] SITE
- [Red wavy line] LOW NOISE IMPACT
- [Yellow triangle] VEHICULAR ACCESS
- [Blue triangle] PEDESTRIAN ACCESS
- [Yellow arrow] PREVAILING SUMMER WINDS
- [Blue arrow] PREVAILING WINTER WINDS
- [Orange dashed arrow] SITE FALLS
- [Grey triangle] VIEWS



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

JINDABYNE POLICE STATION

Drawing Title

SITE ANALYSIS

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1 : 500	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0105	A	



1. STREET FRONTAGE OF EXISTING POLICE SIGN ON THREDBO TERRACE



2. STREET FRONTAGE OF EXISTING POLICE STATION ON THREDBO TERRACE



3. EXISTING VAN DOCK & VEHICULAR ACCESS FROM THREDBO TERRACE



4. EXISTING VEHICULAR DRIVEWAY ON SITE



5. EXISTING VEHICULAR DRIVEWAY AND GARAGES



6. EXISTING POLICE RESIDENCE



7. EXISTING BOAT AND SKI-DOO SHEDS



8. EXISTING VAN DOCK VIEWED FROM SOUTH



9. EXISTING POLICE RESIDENCE



10. EXISTING OUTDOOR SEATING AREA AND BBQ



11. EXISTING POLICE STATION PEDESTRIAN ENTRY



12. SOUTHERN SIDE OF EXISTING POLICE STATION

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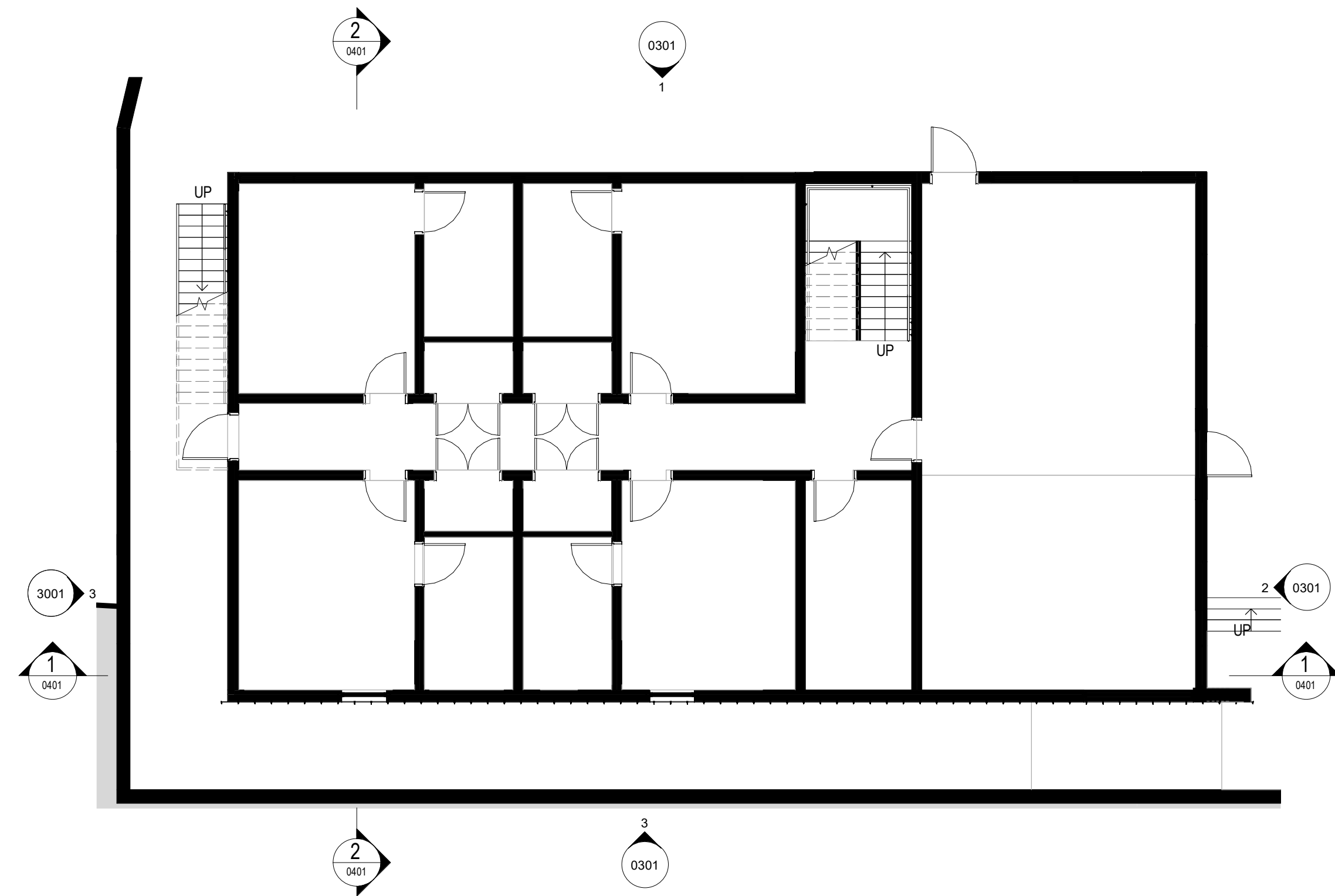
Project
NSW POLICE STATIONS

Location
**16 - 18 THREDBO TERRACE,
JINDABYNE**

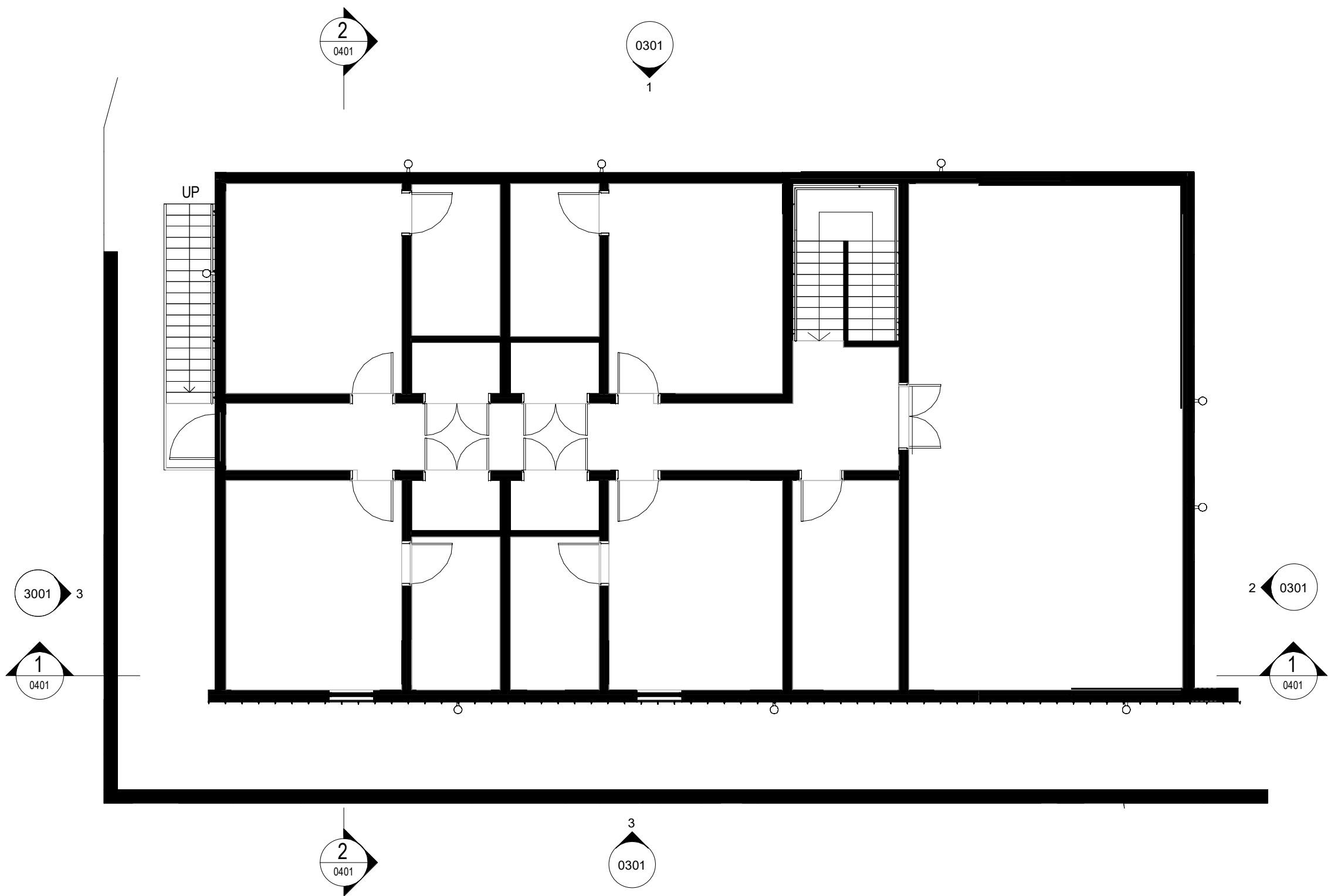
Asset
JINDABYNE POLICE STATION

Drawing Title
SITE - PHOTOS

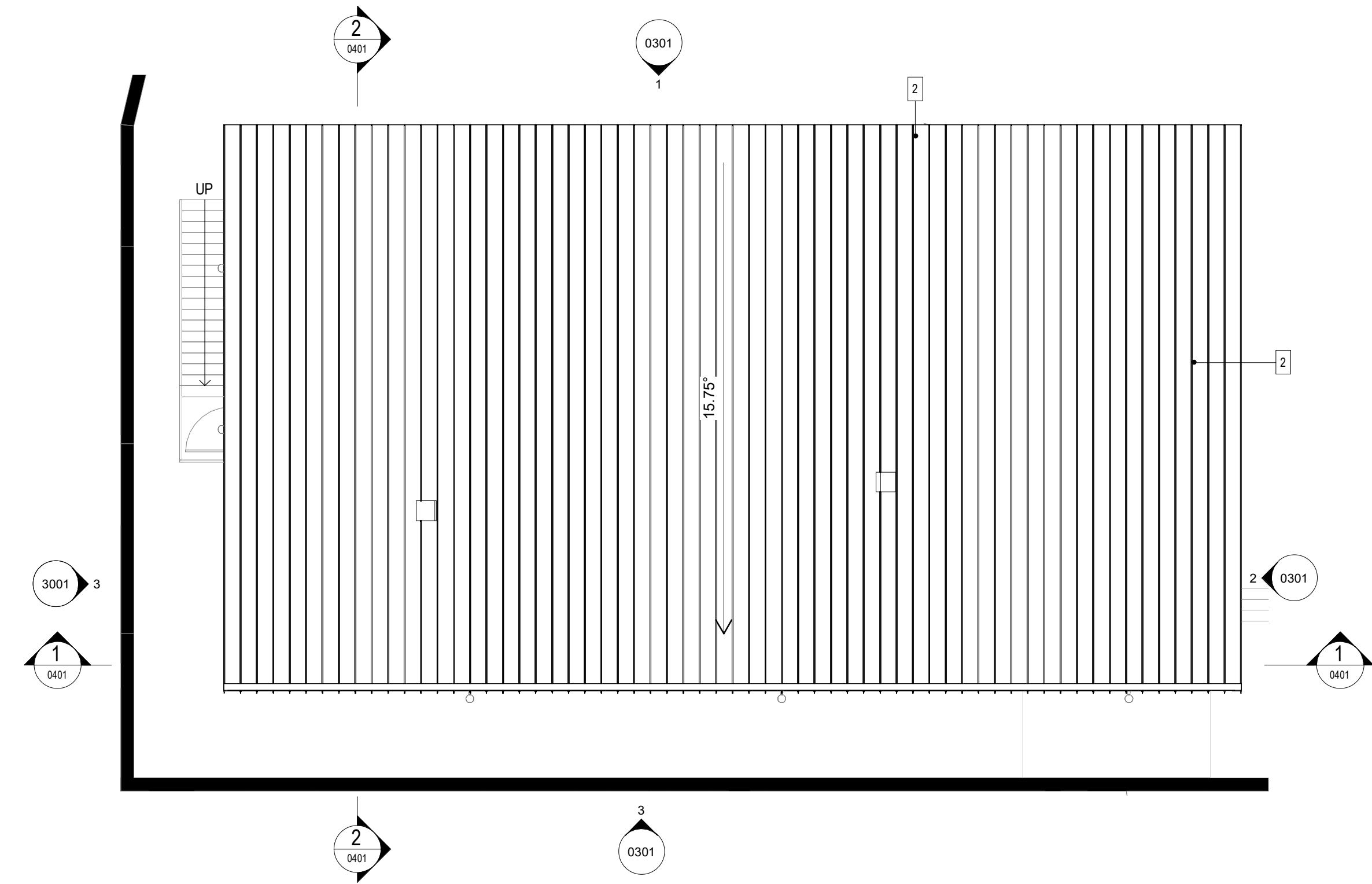
Phase DA	Scale @A1 -	Plot Date 19/03/2021	Drawn Chk HK OM
Group GSA Proj. No 200005	Drawing No JIN-AR-0106	Revision A	



1 GROUND FLOOR PLAN
1 : 100



2 LEVEL 1 PLAN
1 : 100



3 ROOF PLAN
1 : 100

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Issue	Reason for Issue/Change	Date	Chk
B	ISSUED FOR INFORMATION	20/11/2020	
C	ISSUED FOR INFORMATION	30/11/2020	GSA
D	ISSUED FOR INFORMATION	04/12/2020	GSA
E	ISSUED FOR INFORMATION	11/12/2020	GSA
F	25% CONCEPT DESIGN	16/12/2020	GSA
G	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
H	DA SUBMISSION	19/03/2021	GSA

LEGEND:

- 1 LIGHT WEIGHT FACE STONE CLADDING
- 2 METAL CLADDING AND ROOF
- 3 TIMBER LOOK METAL CLADDING
- 4 CEMENT RENDER FINISH
- 5 TINTED GLASS
- 6 COLOURBACK GLASS
- 7 ALUMINIUM FRAMING
- 8 FROSTED GLASS
- 9 METAL CLADDING AND ROOF
- EXTERNAL LIGHTS (REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR DETAILS)

NOTES:

1. Refer to electrical engineer's drawings for external lights details.



North Point

Client



NSW Police Force



BGIS

Principal Design Consultant

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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

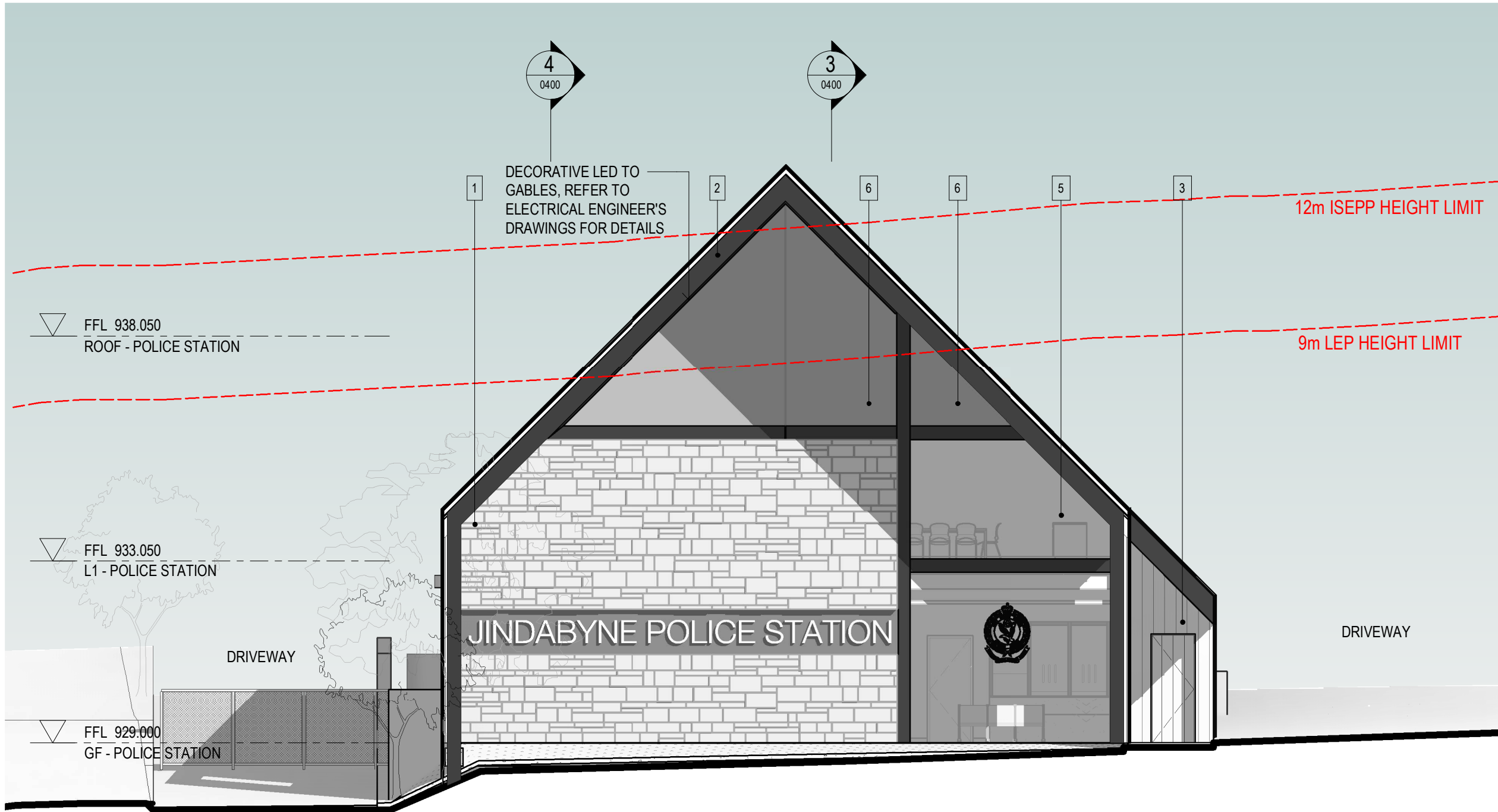
JINDABYNE POLICE STATION

Drawing Title

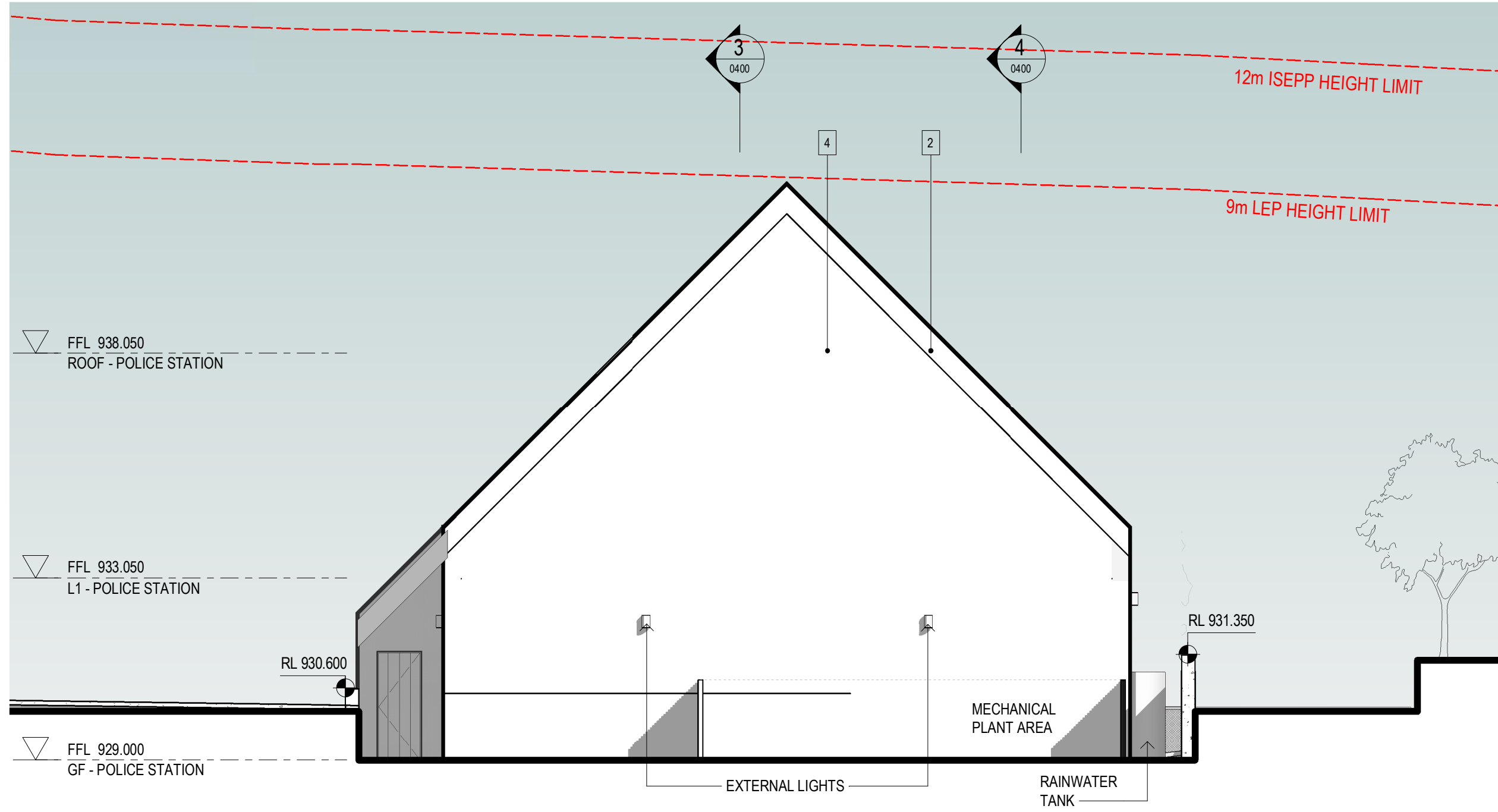
GENERAL ARRANGEMENT PLANS &
ROOF PLAN - ACCOMMODATION

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1 : 100	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0201	H	



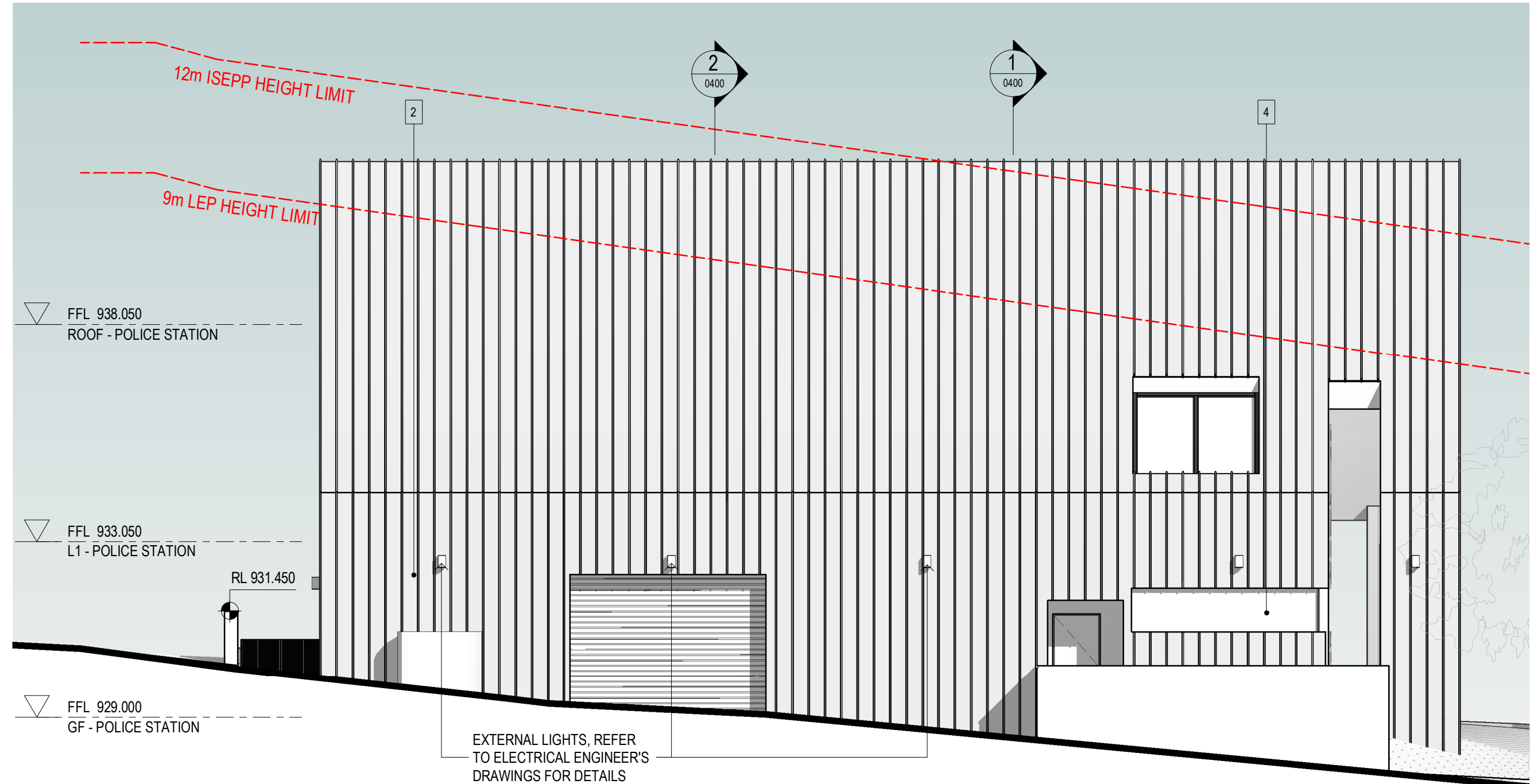
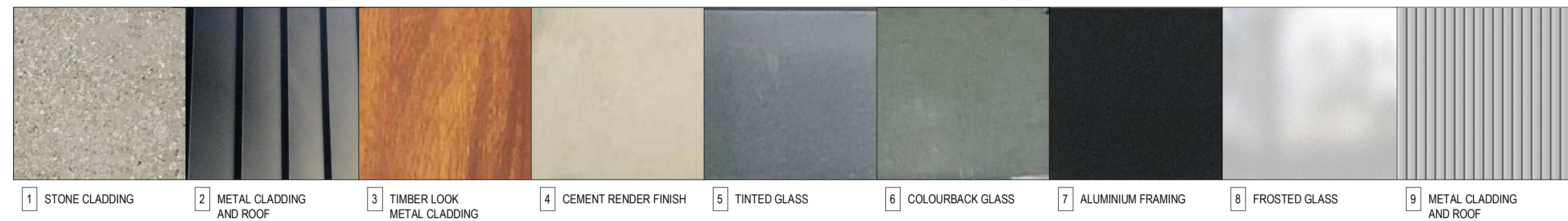


1 NORTH ELEVATION
1: 100

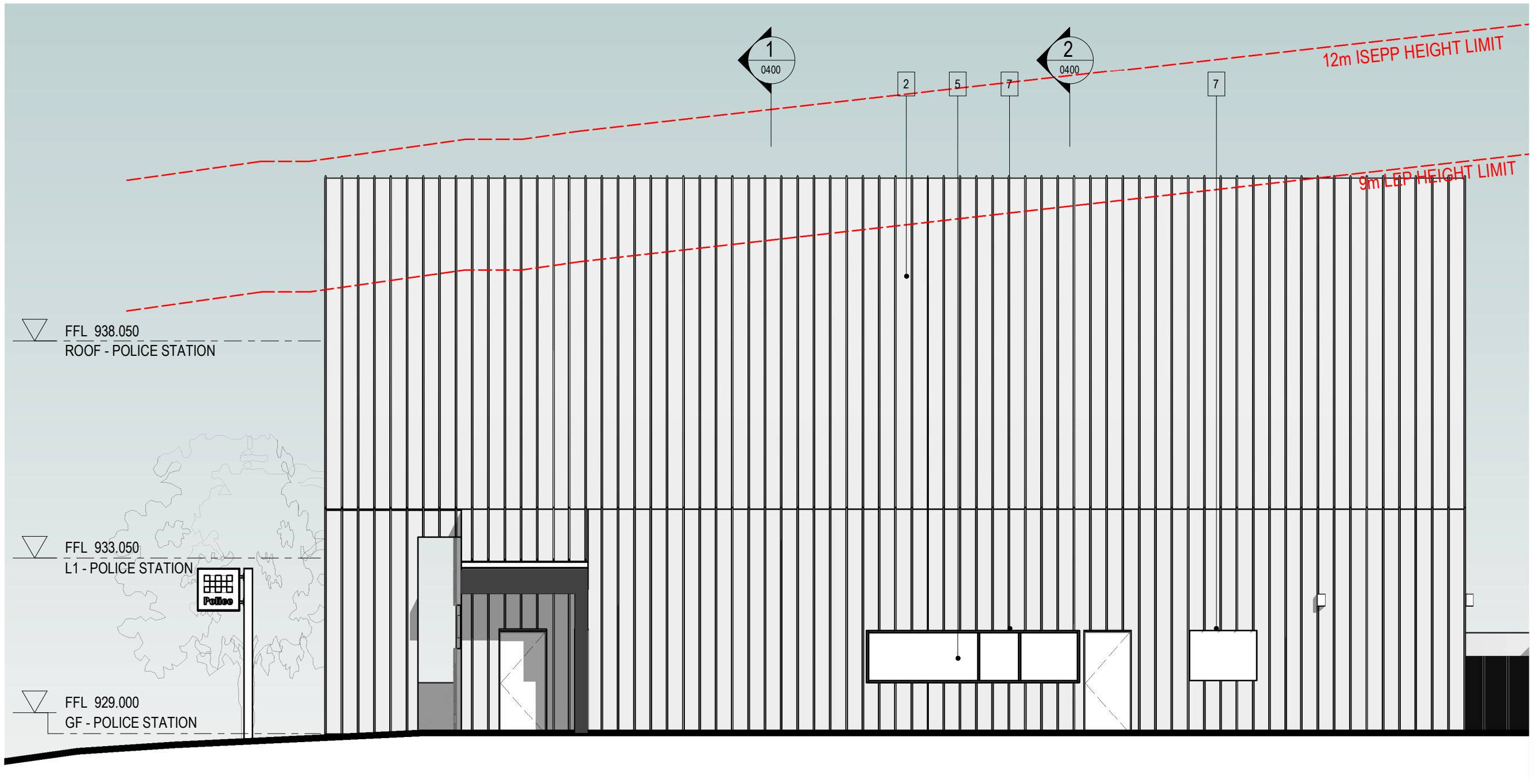


3 SOUTH ELEVATION
1: 100

MATERIALS & FINISHES SCHEDULE



2 EAST ELEVATION
1: 100



4 WEST ELEVATION
1: 100

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E	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
F	DA SUBMISSION	19/03/2021	GSA

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NOTES:

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Client



NSW Police Force



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

JINDABYNE POLICE STATION

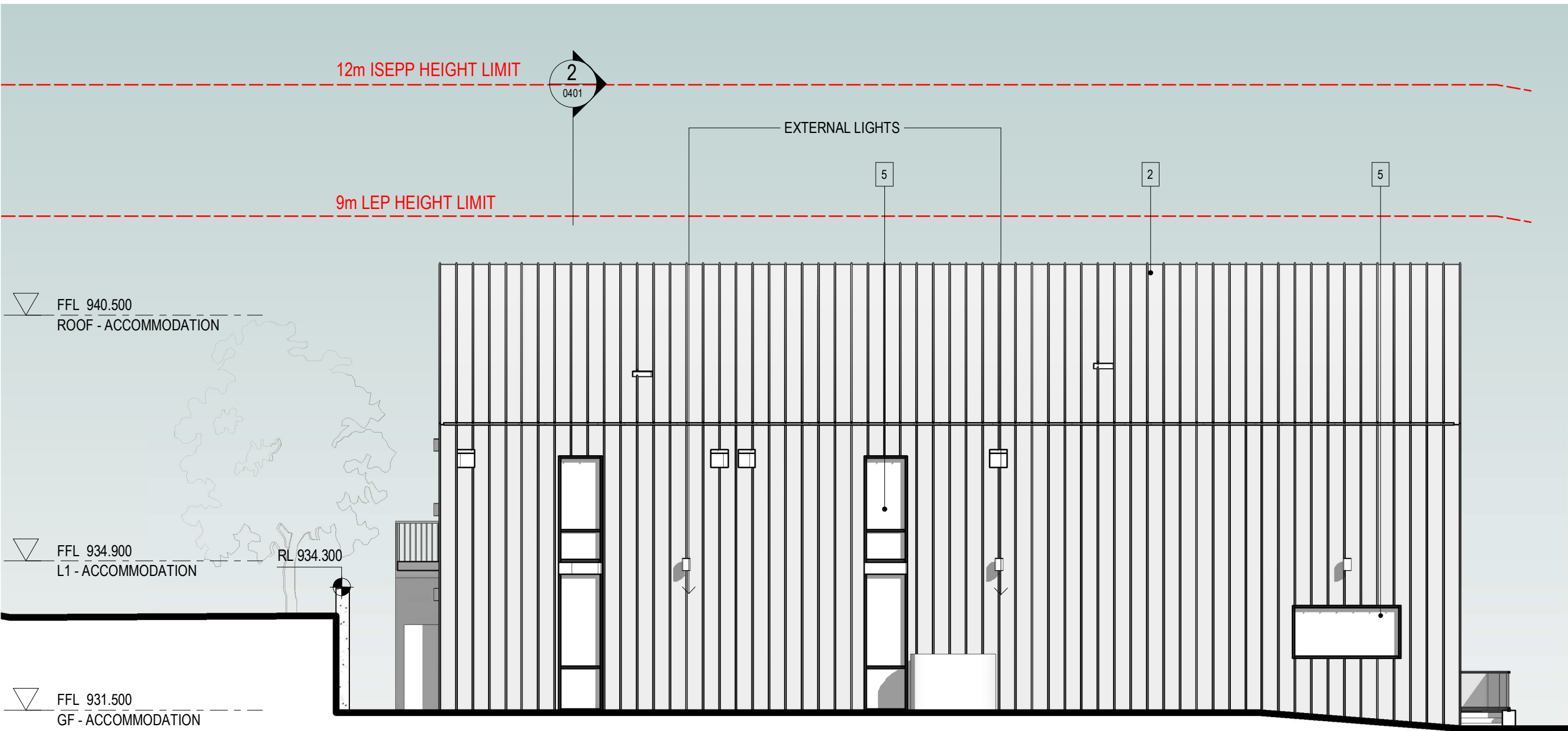
Drawing Title

ELEVATIONS - POLICE STATION

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1: 100	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0300	F	

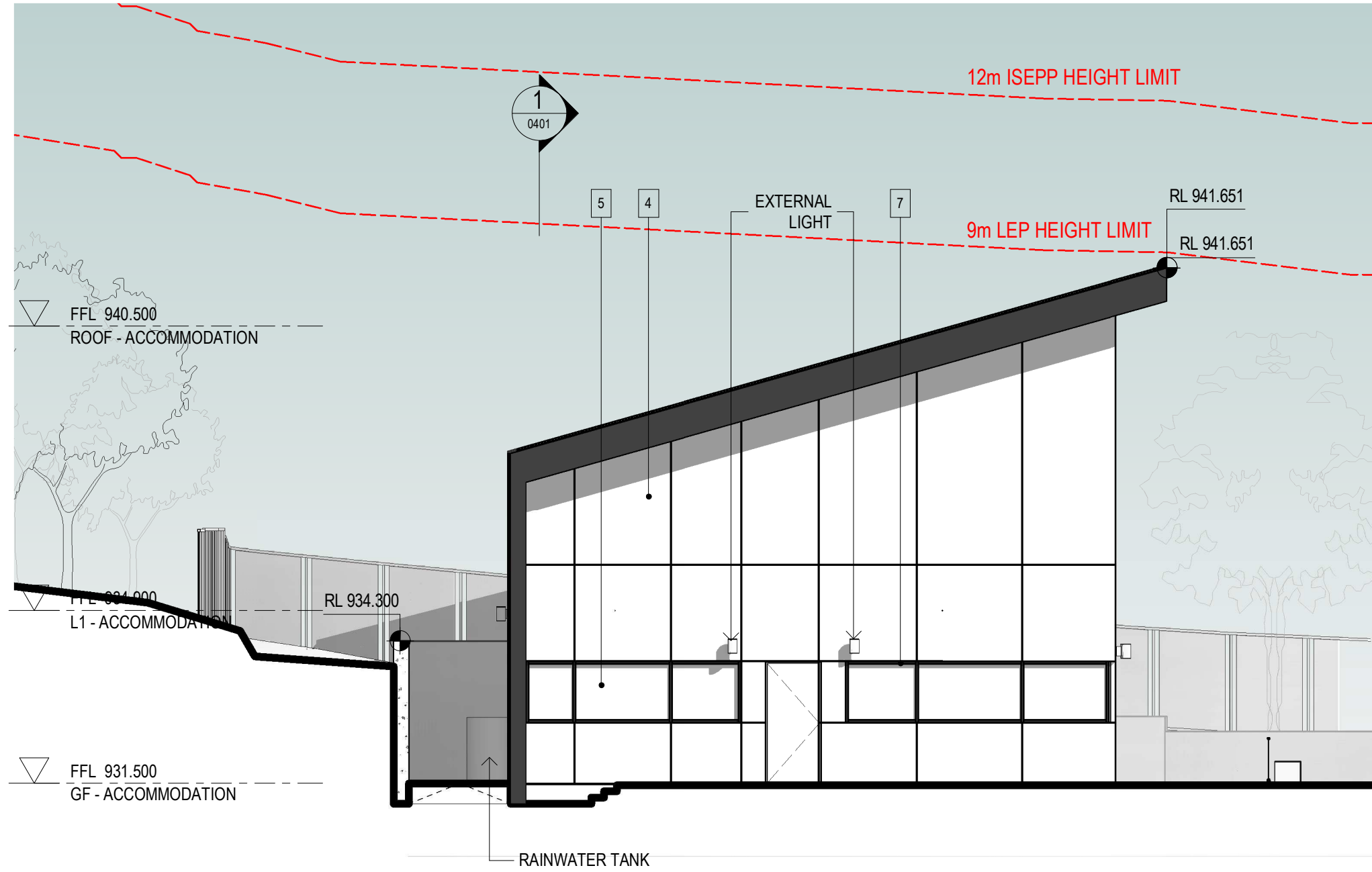
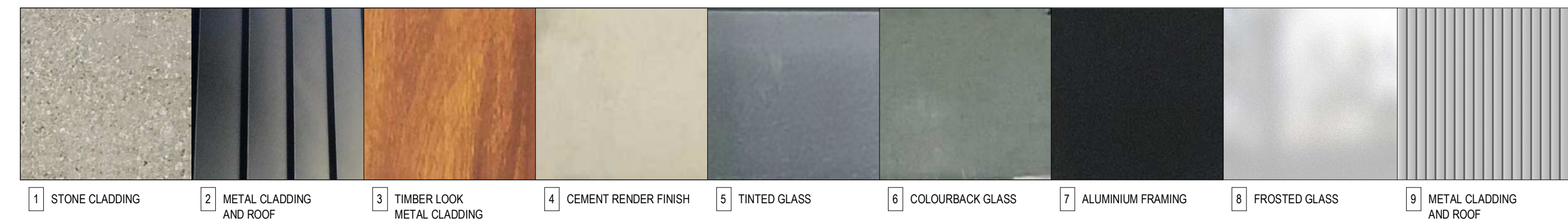


1 NORTH ELEVATION
1 : 100

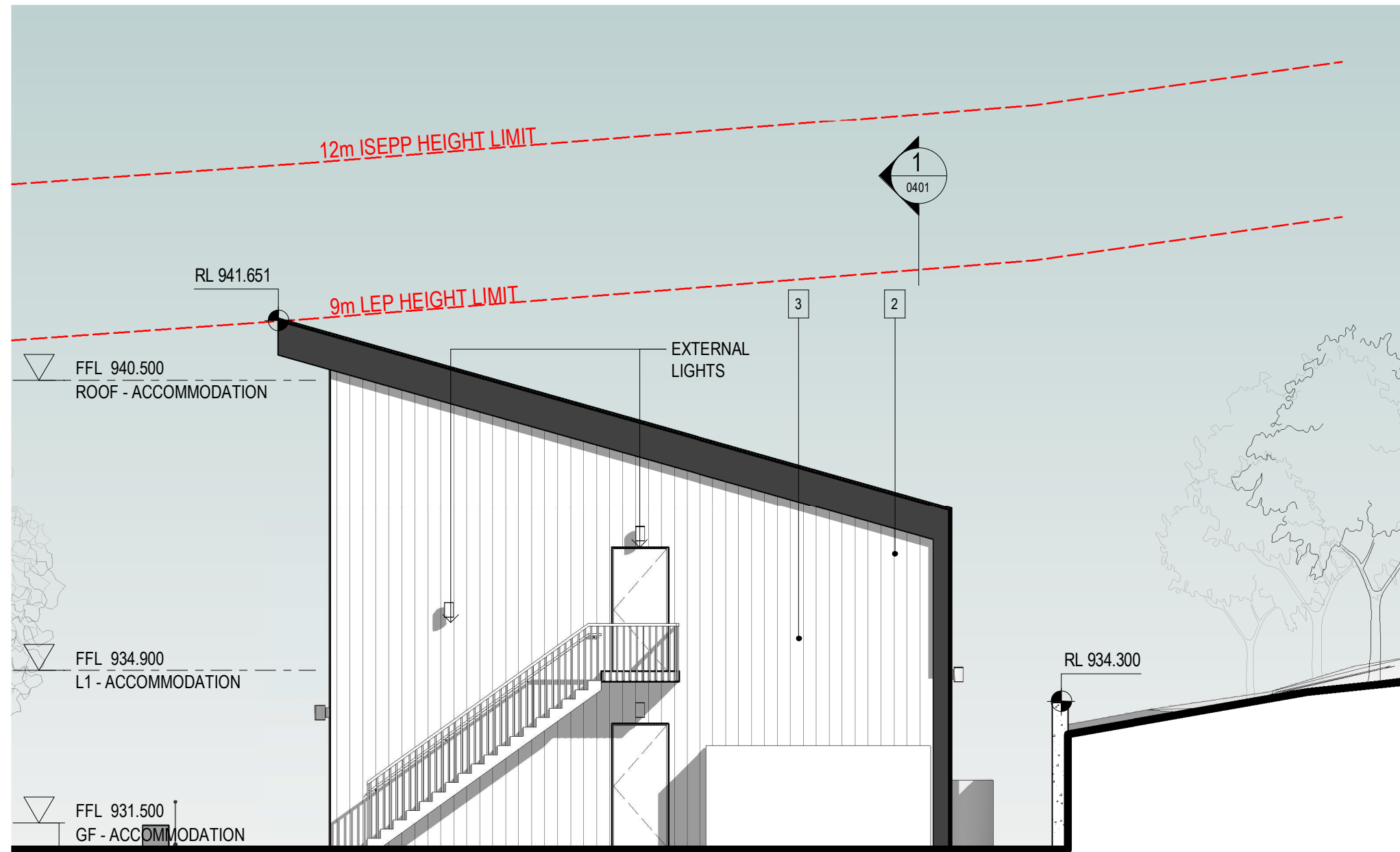


3 SOUTH ELEVATION
1 : 100

MATERIALS & FINISHES SCHEDULE



2 EAST ELEVATION
1 : 100



4 WEST ELEVATION
1 : 100

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F	DA SUBMISSION	19/03/2021	GSA

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NOTES:

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Client



NSW Police Force



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

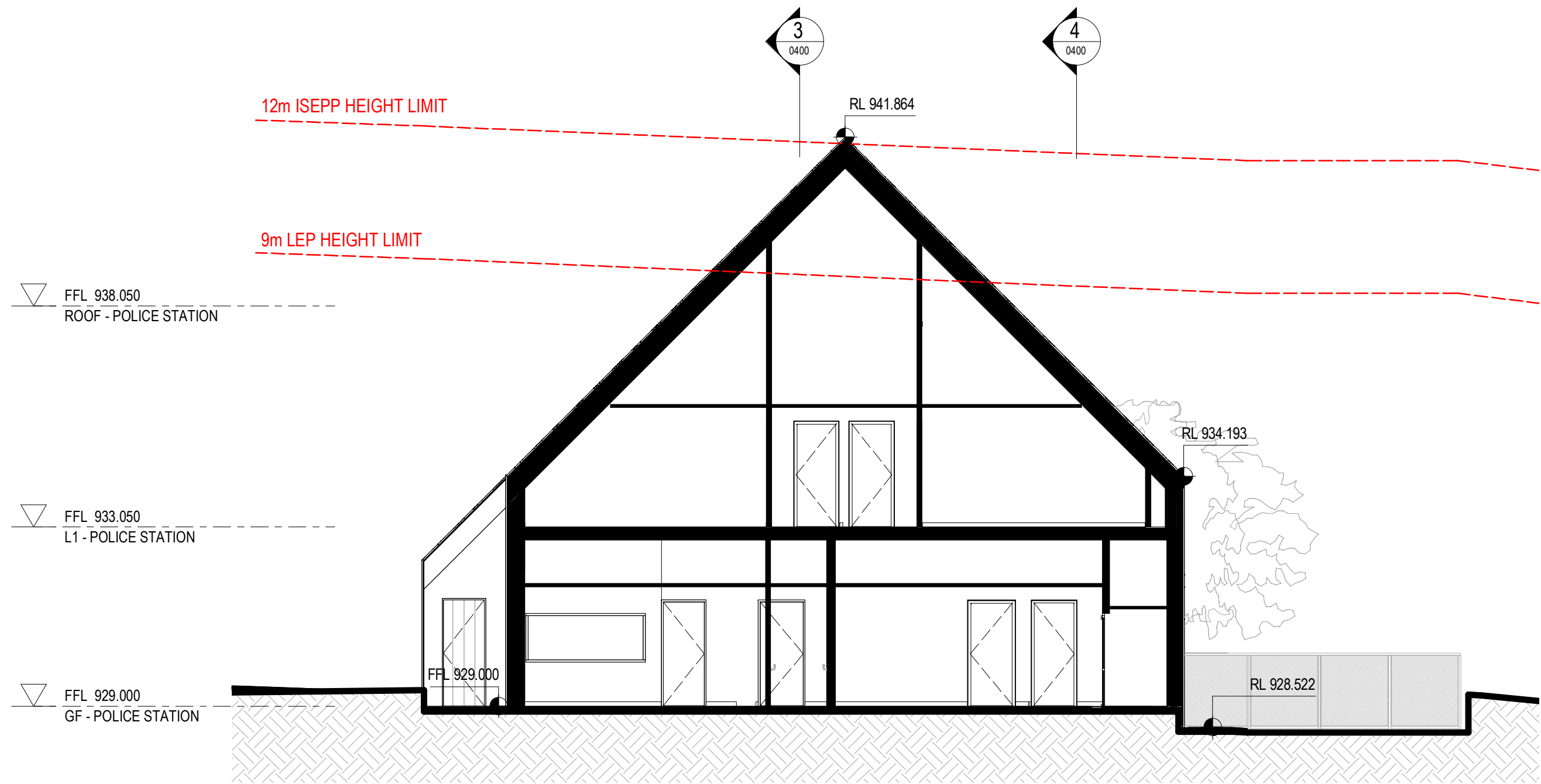
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JINDABYNE POLICE STATION

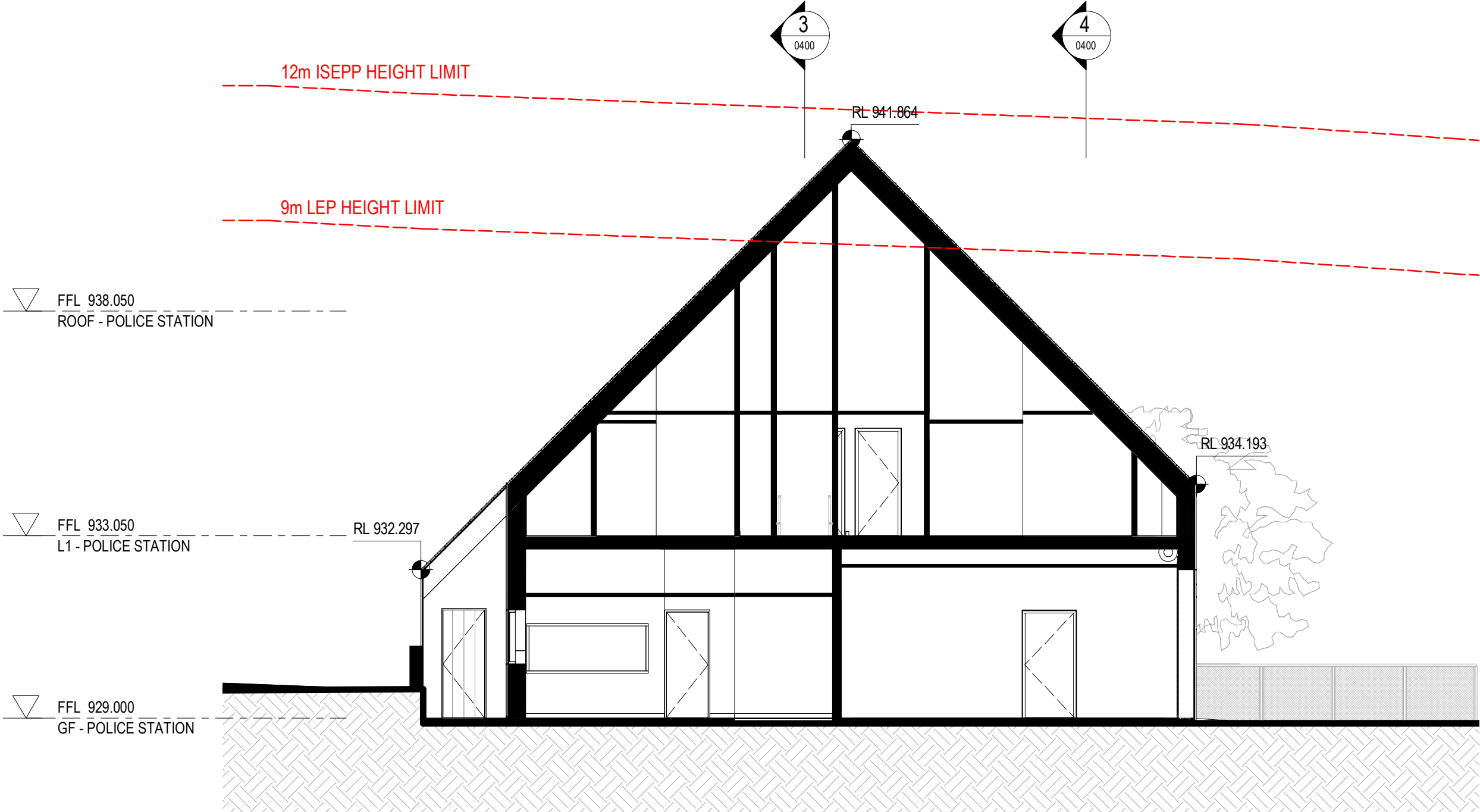
Drawing Title

ELEVATIONS - ACCOMMODATION

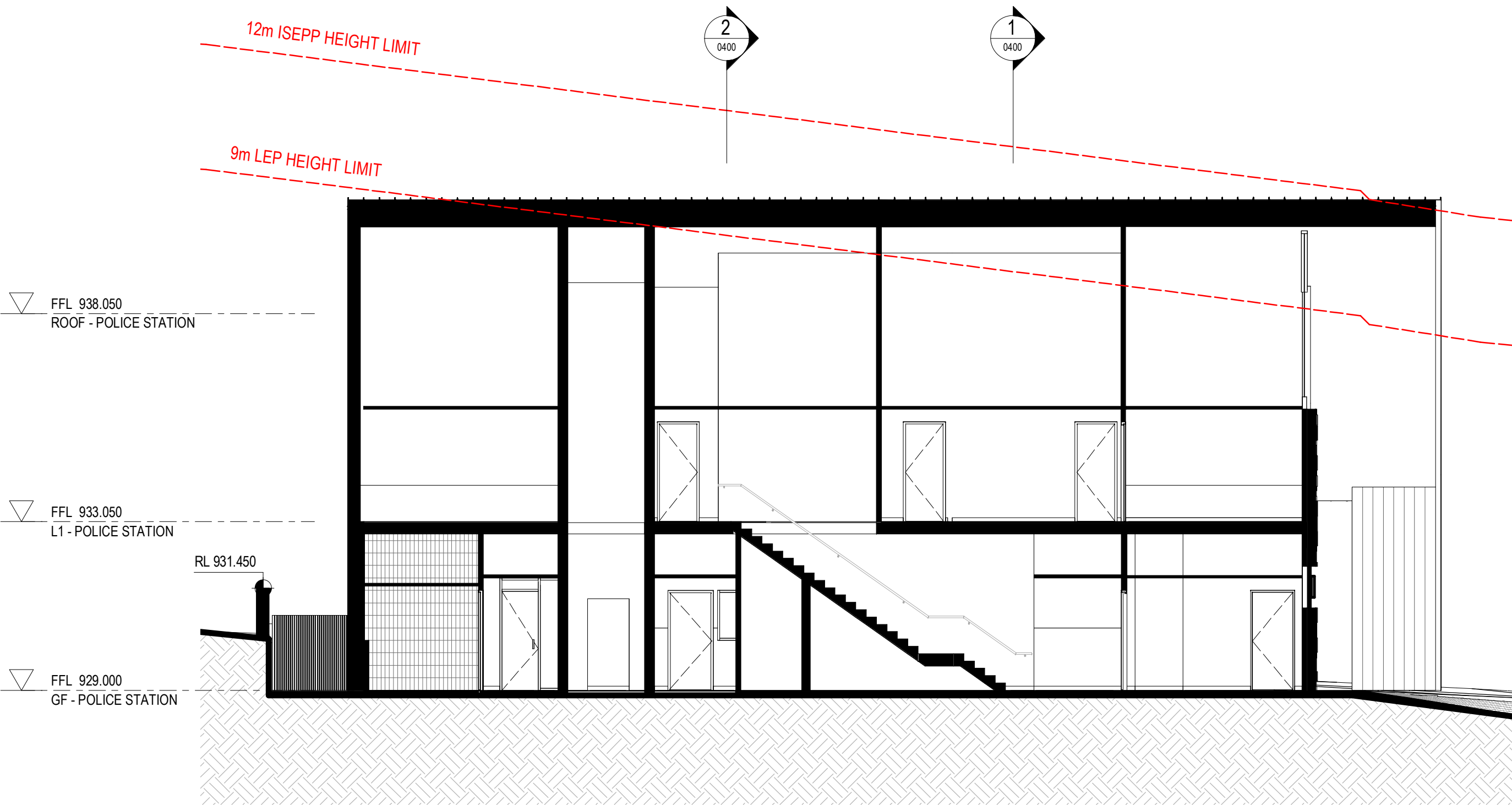
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DA	@A1 - 1 : 100	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0301	F	



1 SECTION 1
1 : 100



2 SECTION 2
1 : 100



3 SECTION 3
1 : 100



4 SECTION 4
1 : 100



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E	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
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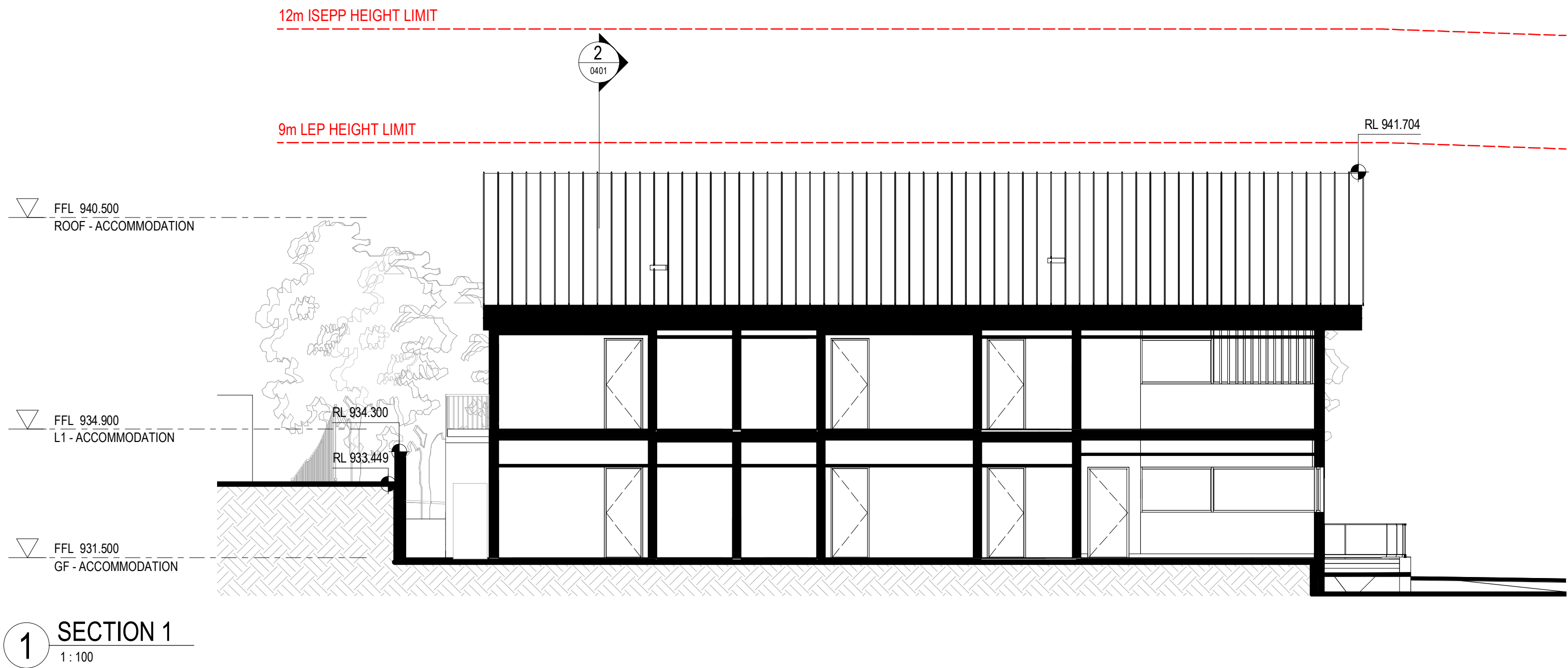
Project
NSW POLICE STATIONS

Location
**16 - 18 THREDBO TERRACE,
JINDABYNE**

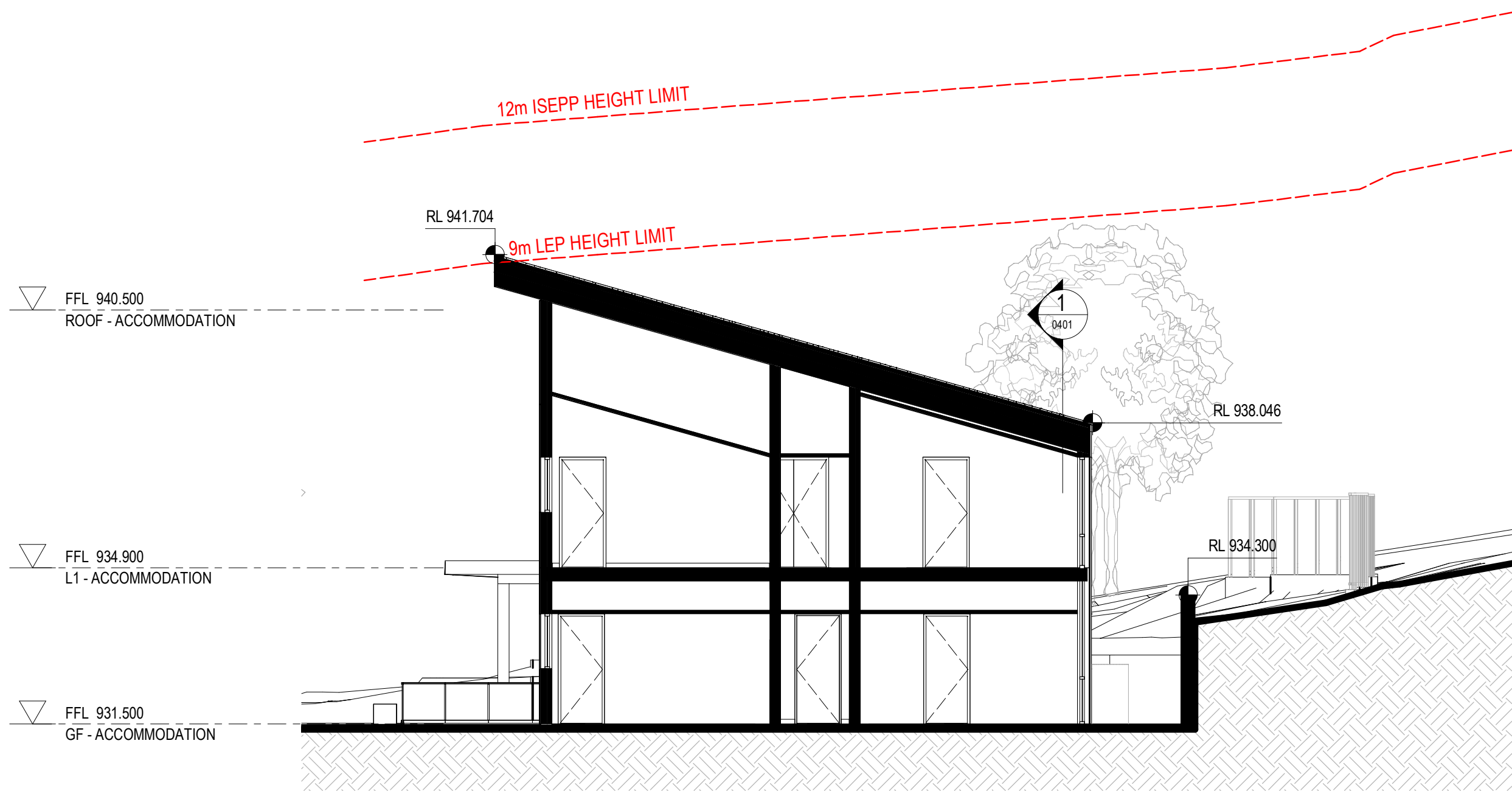
Asset
JINDABYNE POLICE STATION

Drawing Title
SECTIONS - POLICE STATION

Phase DA	Scale @A1 - 1 : 100	Plot Date 19/03/2021	Drawn Chk HK OM
Group GSA Proj. No 200005	Drawing No JIN-AR-0400	Revision	F



SECTION 1
1 : 100



SECTION 2
1 : 100



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C	ISSUED FOR INFORMATION	11/12/2020	GSA
D	25% CONCEPT DESIGN	16/12/2020	GSA
E	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
F	DA SUBMISSION	19/03/2021	GSA

Client



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

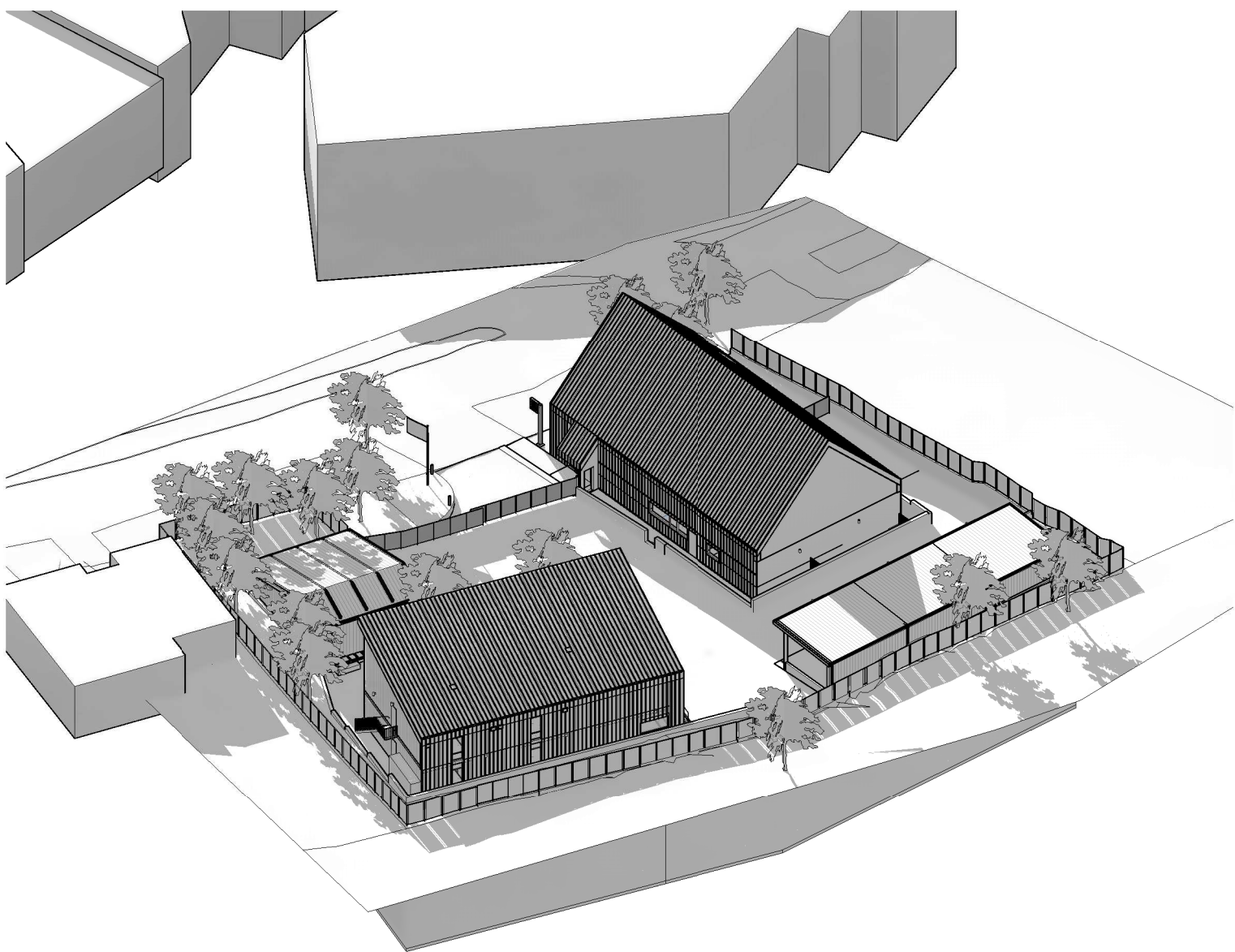
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JINDABYNE POLICE STATION

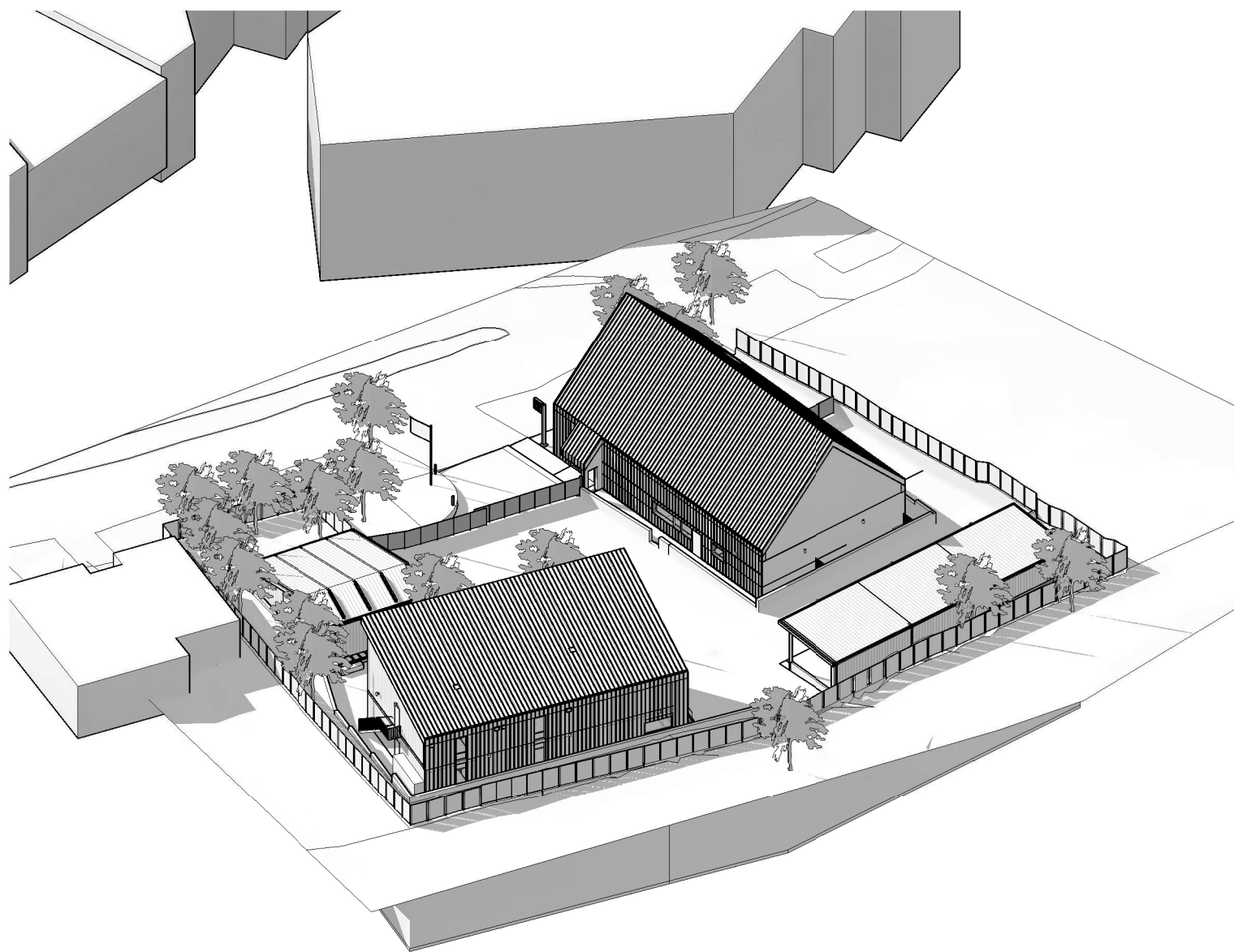
Drawing Title

SECTIONS - ACCOMMODATION

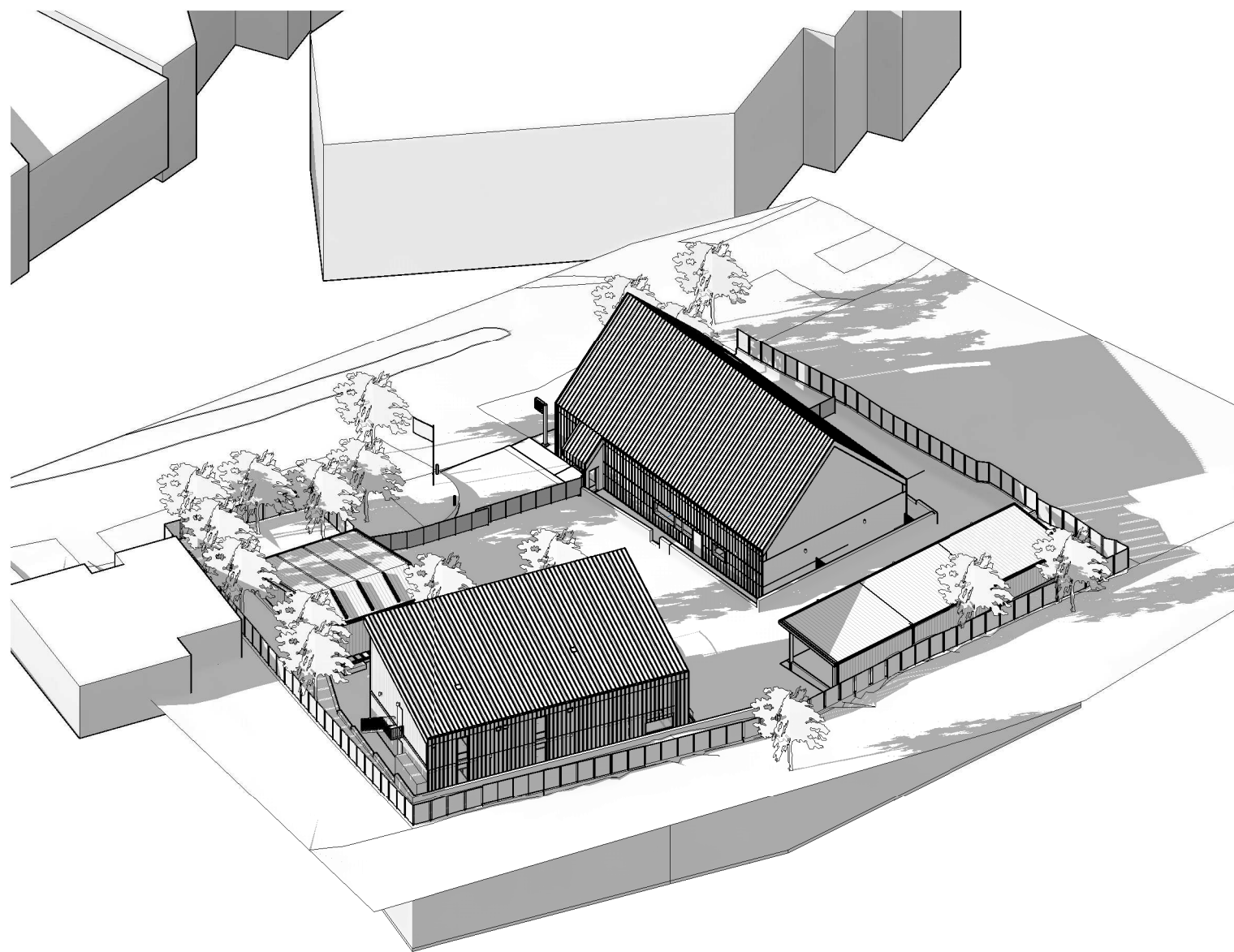
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DA	@A1 - 1 : 100	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0401	F	



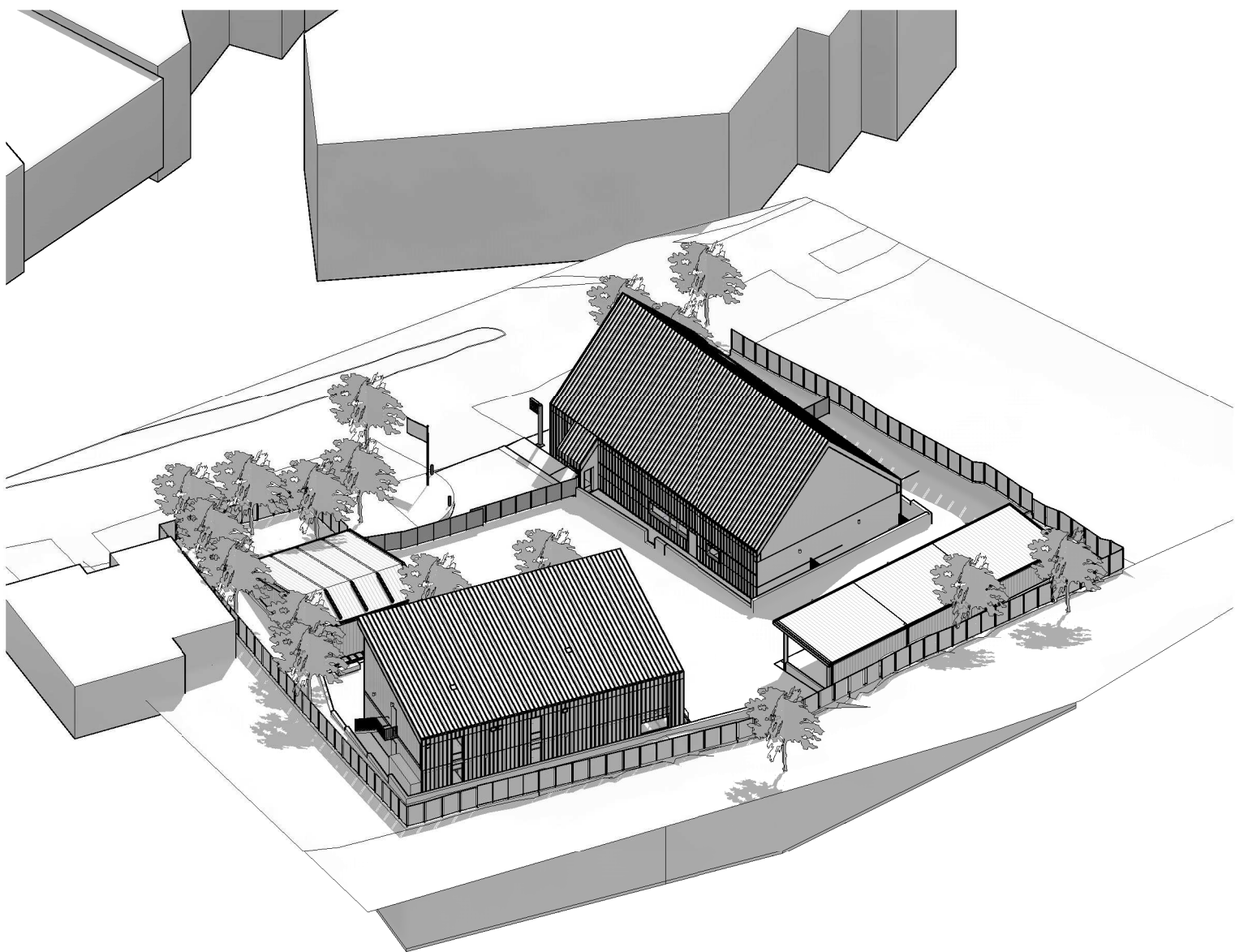
1 21 JUNE 9:00AM



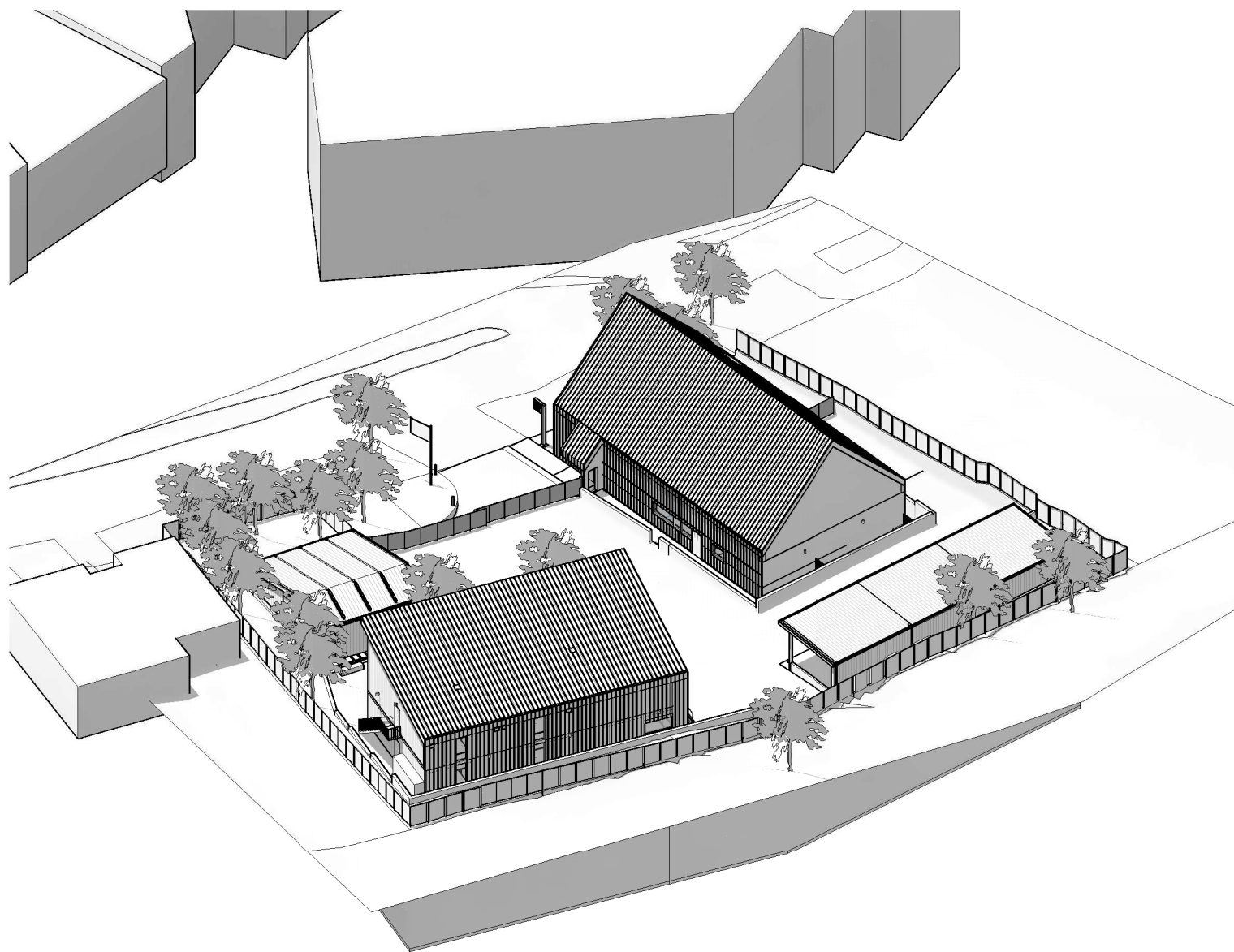
2 21 JUNE 12:00PM



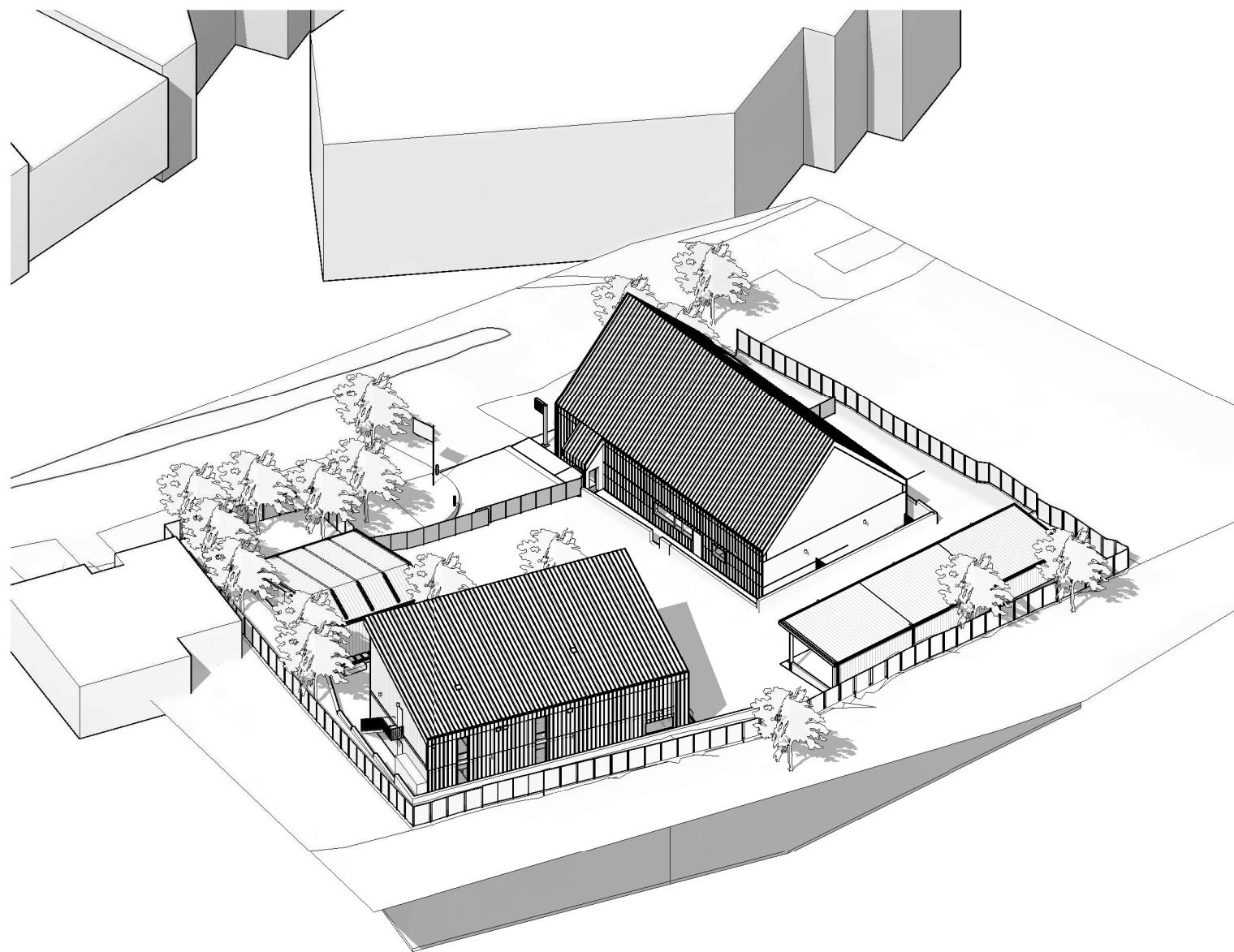
3 21 JUNE 3:00PM



4 21 DECEMBER 9:00AM



5 21 DECEMBER 12:00PM



6 21 DECEMBER 3:00PM

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A	ISSUED FOR INFORMATION	04/12/2020	GSA
B	ISSUED FOR INFORMATION	11/12/2020	GSA
C	25% CONCEPT DESIGN	16/12/2020	GSA
D	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
E	DA SUBMISSION	19/03/2021	GSA

Client



NSW Police Force



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Principal Design Consultant

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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

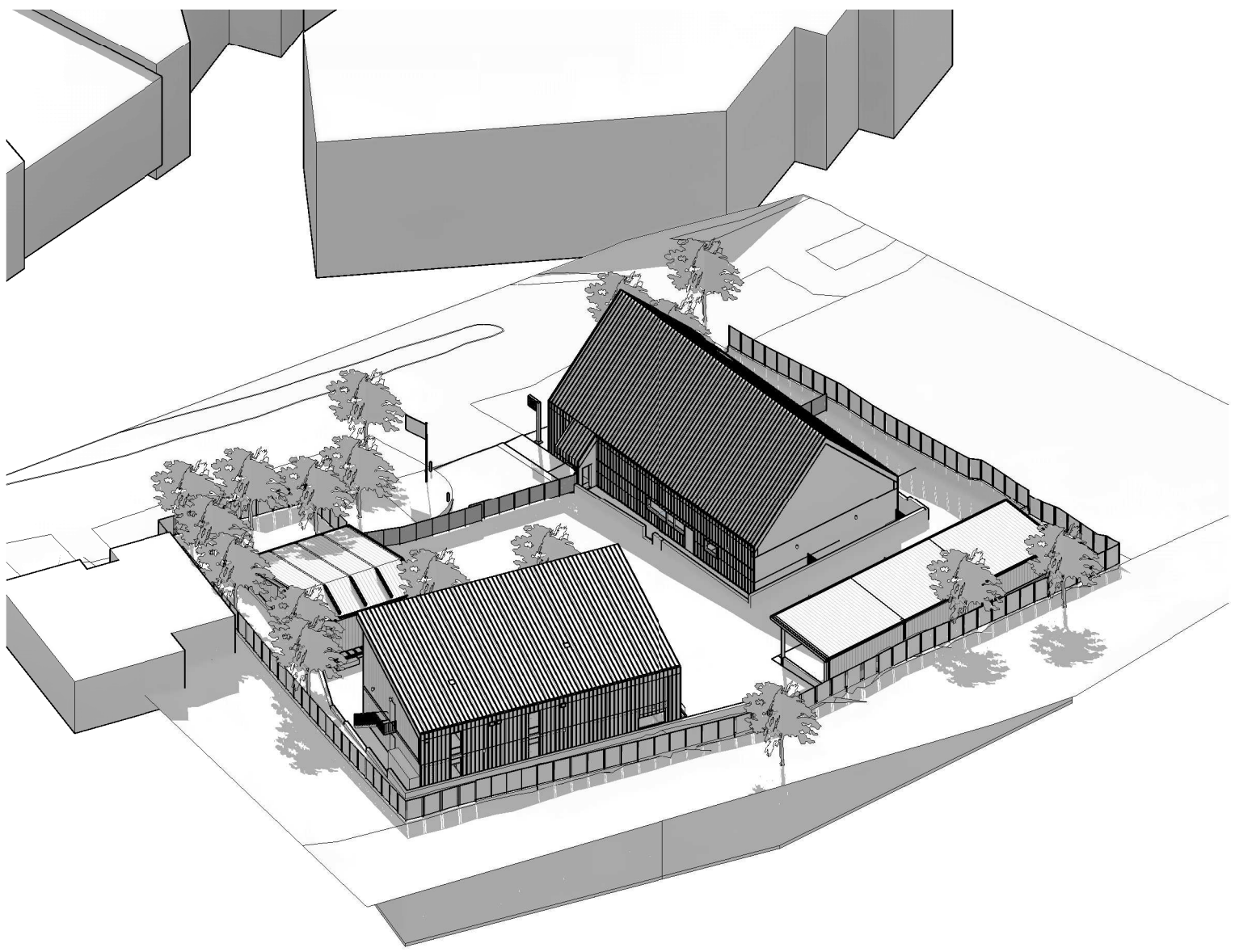
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JINDABYNE POLICE STATION

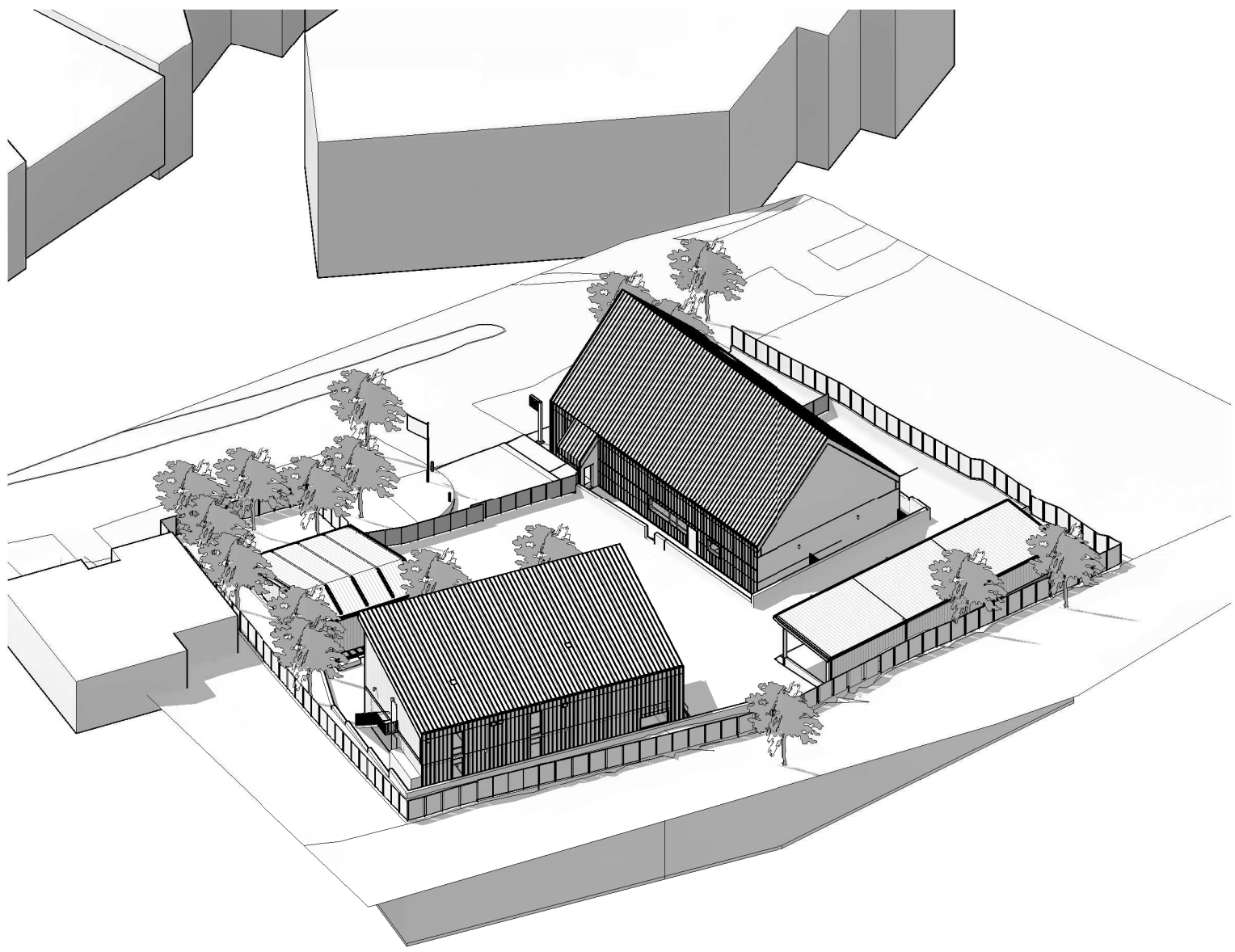
Drawing Title

SHADOW DIAGRAMS - JUNE AND
DECEMBER

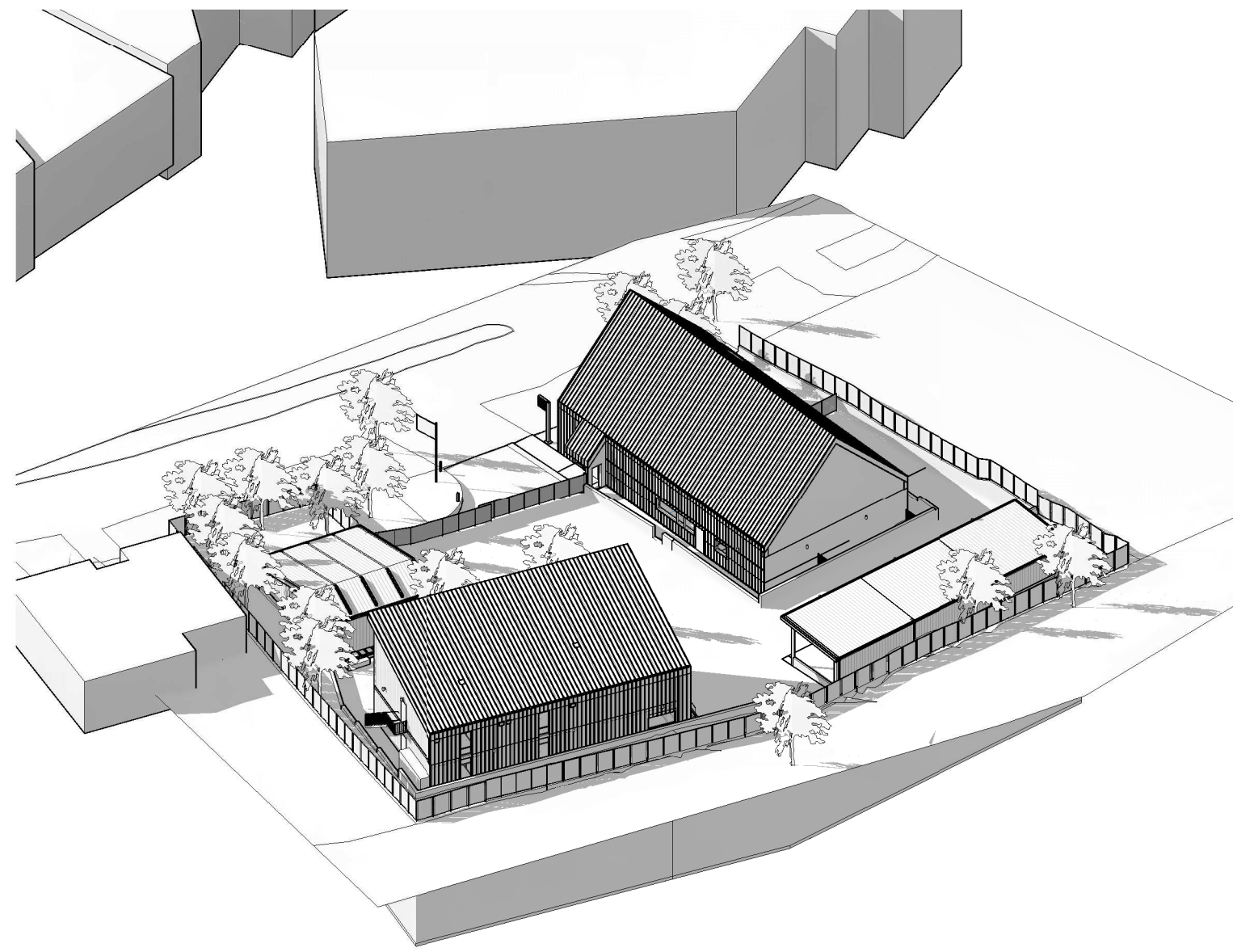
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DA	@A1 -	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0570	E	



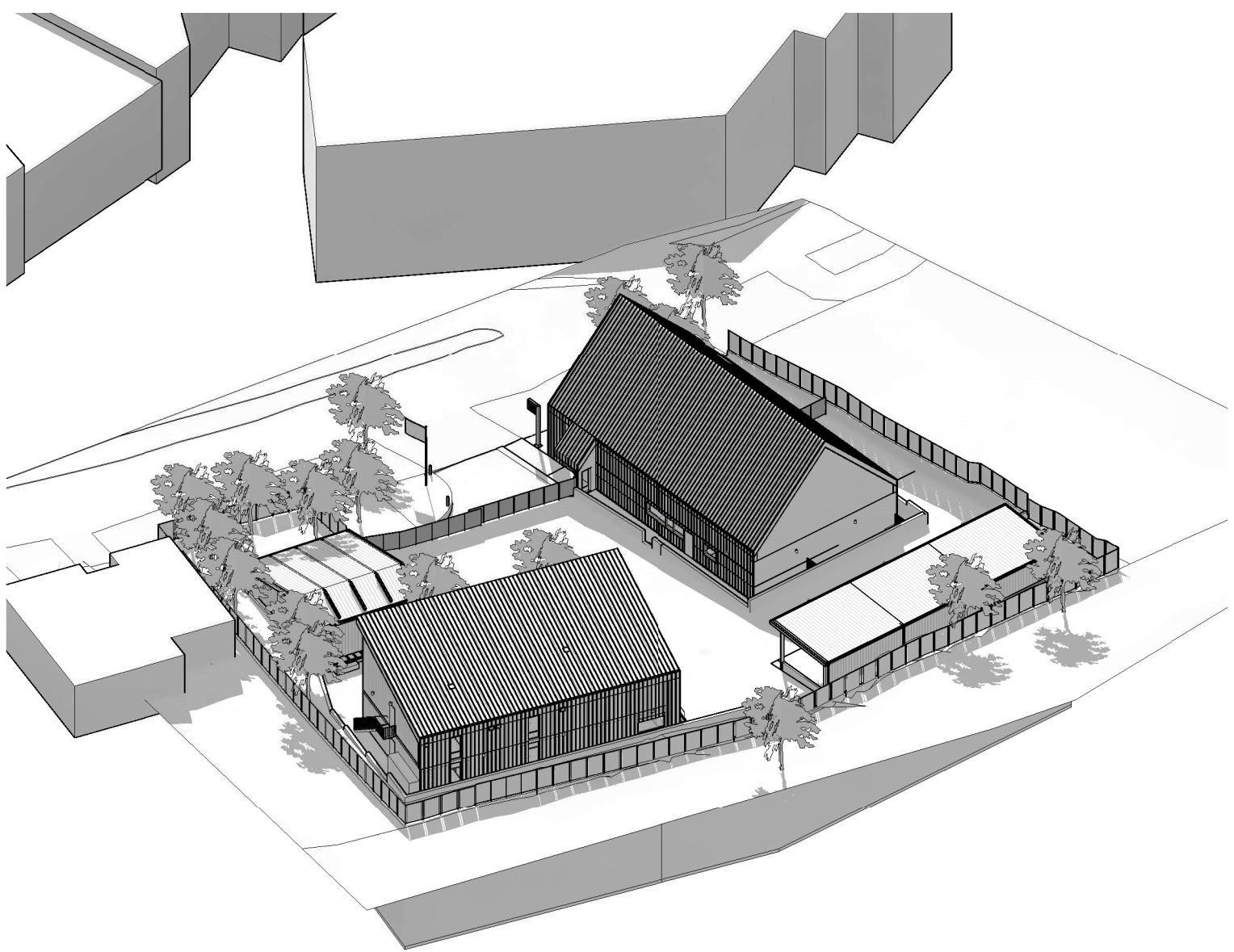
1 21 MARCH 9:00AM



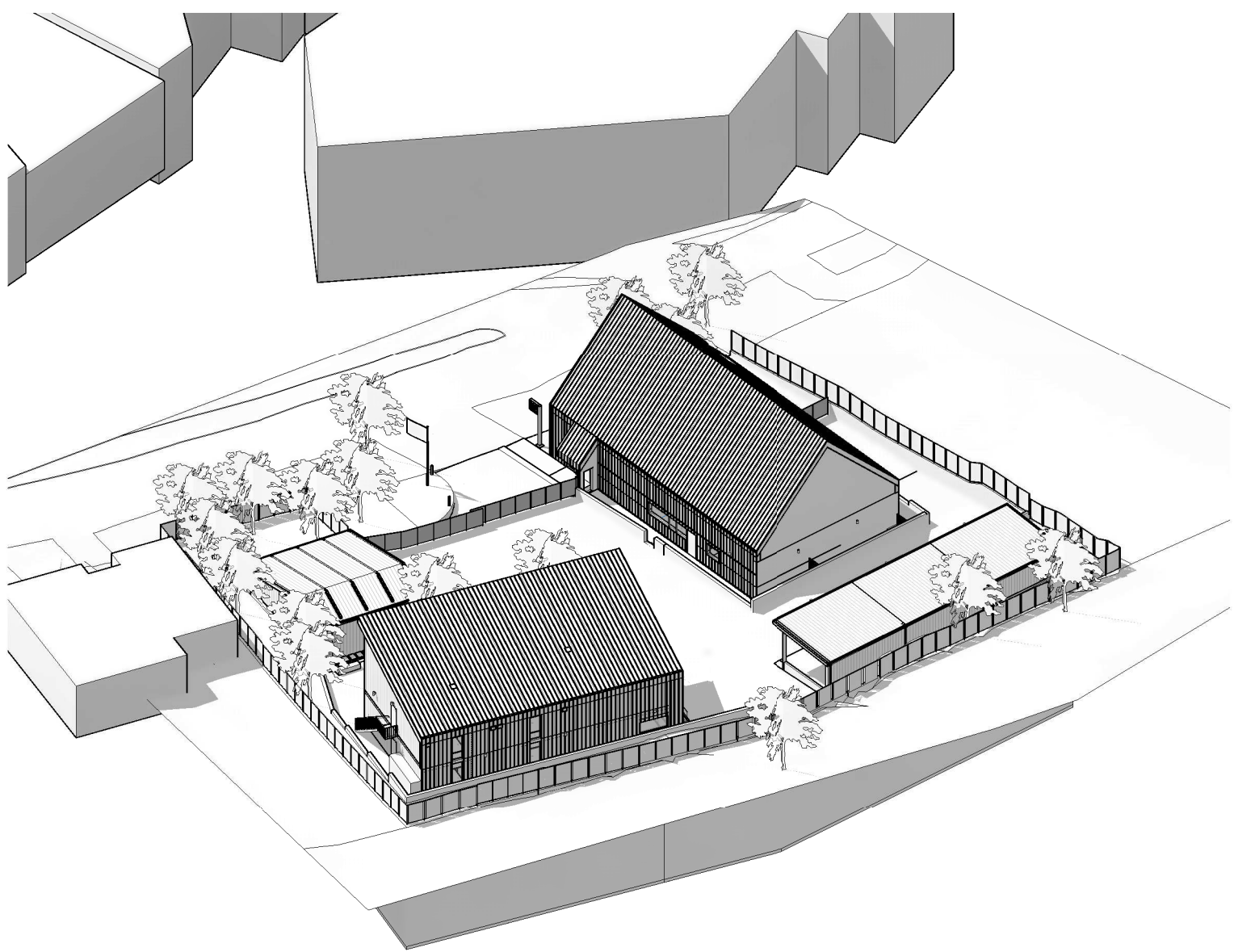
2 21 MARCH 12:00PM



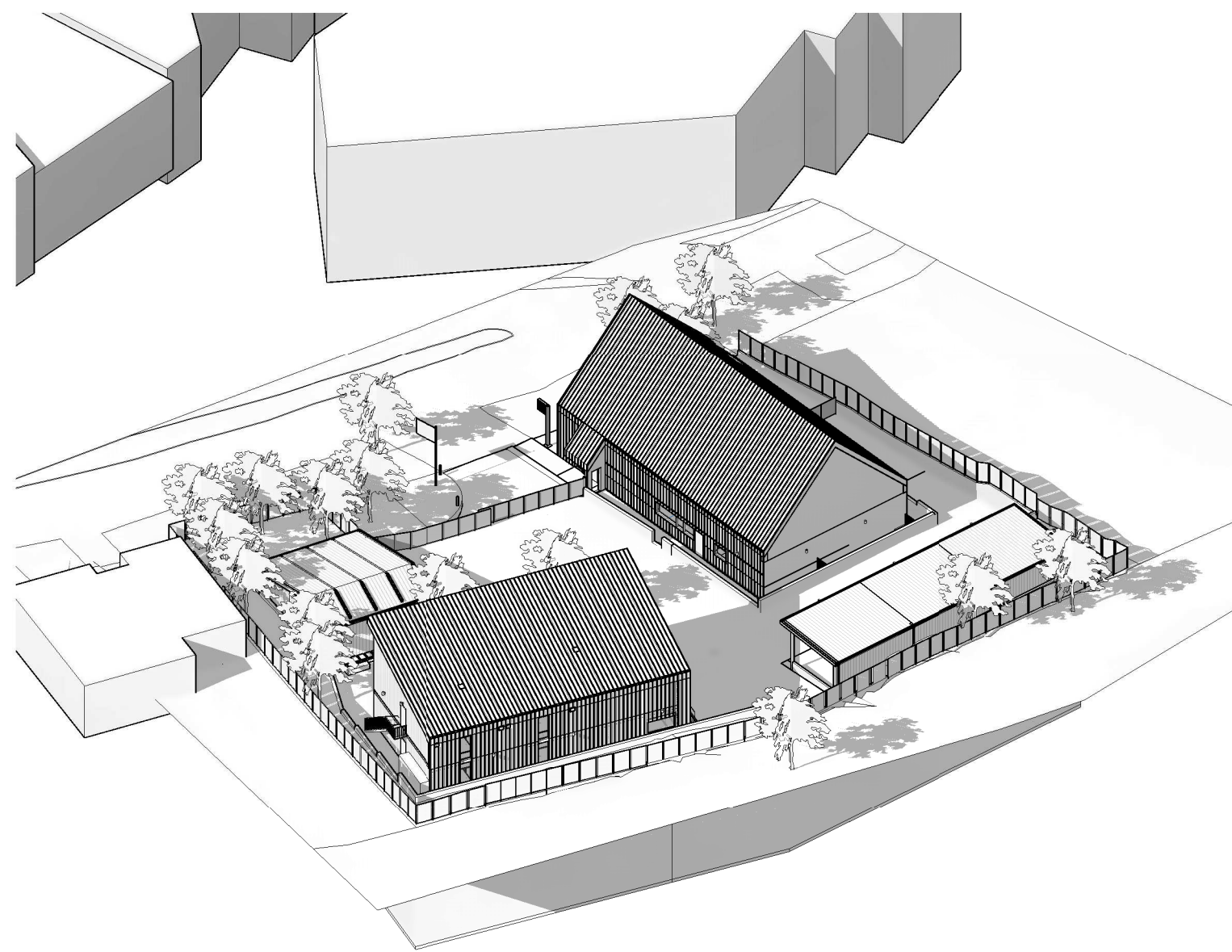
3 21 MARCH 3:00PM



4 21 SEPTEMBER 9:00AM



5 21 SEPTEMBER 12:00PM



6 21 SEPTEMBER 3:00PM

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Issue	Reason for Issue/Change	Date	Chk
A	DA SUBMISSION	19/03/2021	GSA

Client



NSW Police Force



NSW GOVERNMENT



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Project

NSW POLICE STATIONS

Location

16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

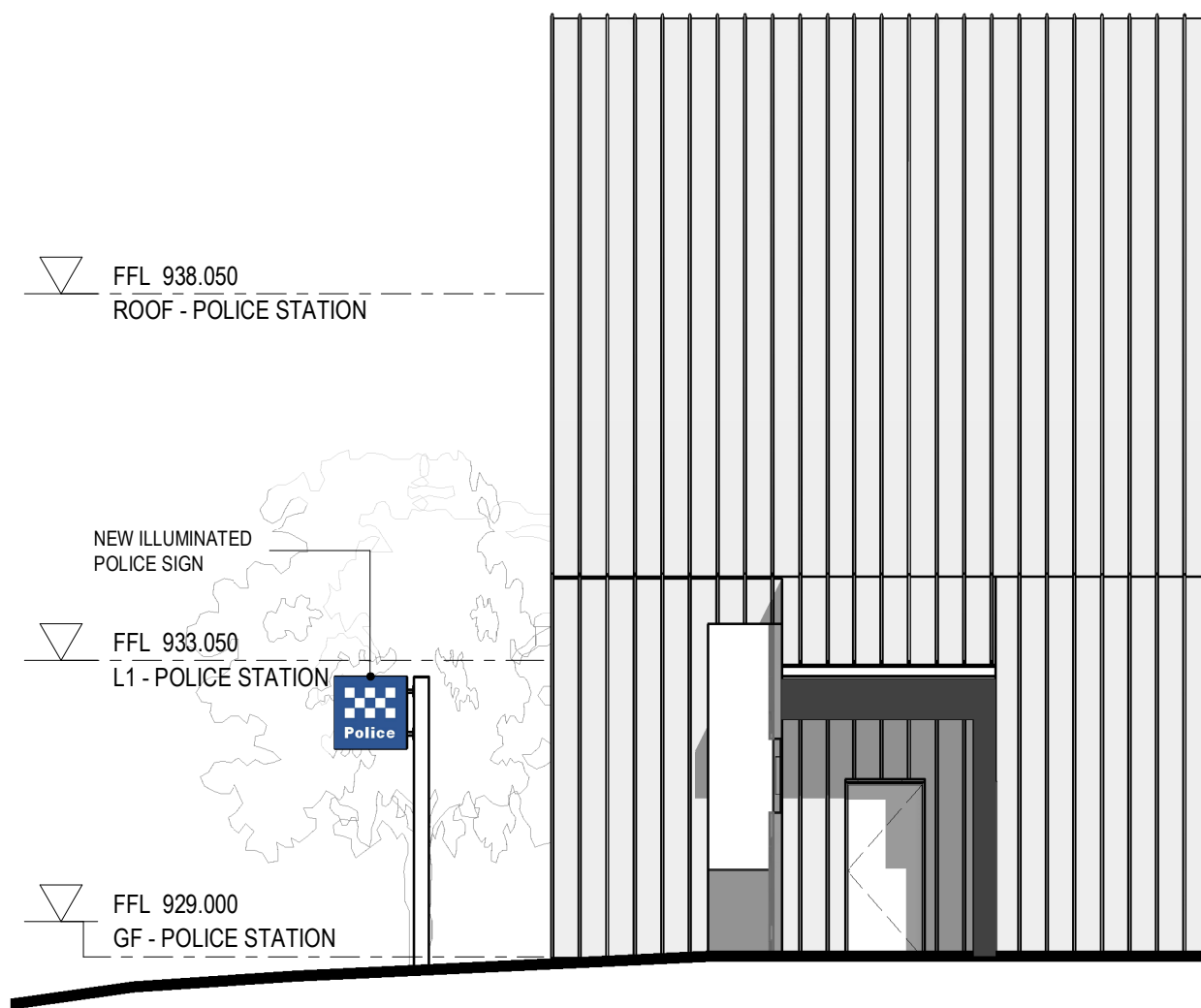
JINDABYNE POLICE STATION

Drawing Title

SHADOW DIAGRAMS - MARCH AND
SEPTEMBER

Phase	Scale	Plot Date	Drawn Chk
DA	@A1 -	19/03/2021	HK OM

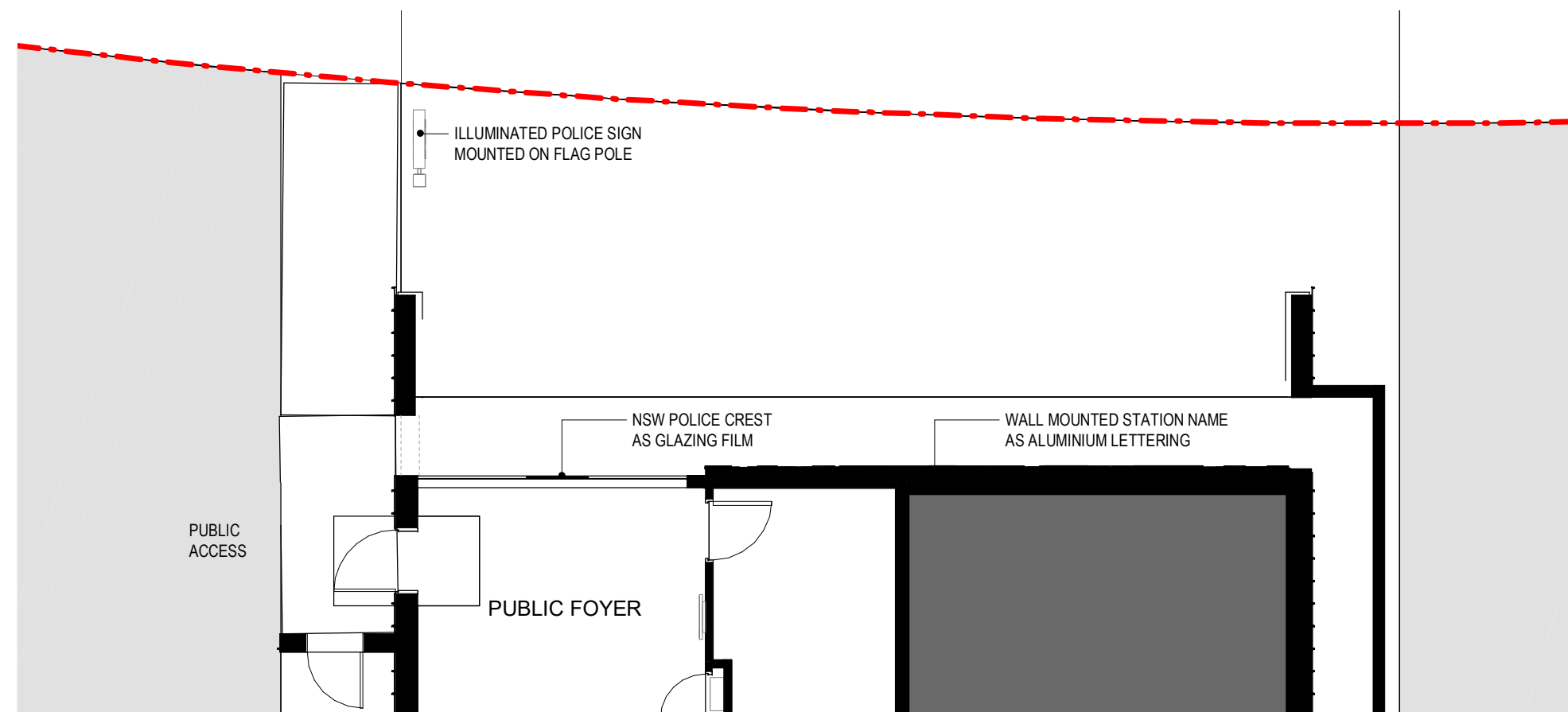
Group GSA Proj. No	Drawing No	Revision
200005	JIN-AR-0571	A



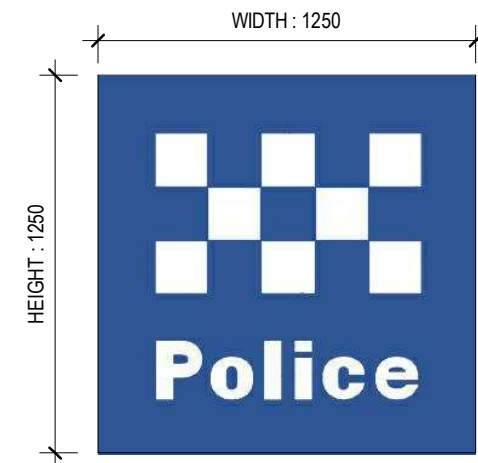
1 ILLUMINATED POLICE SIGN ELEVATION
1 : 100



2 MAIN POLICE STATION SIGNAGE ELEVATION
1 : 100



3 SIGNAGE LOCATION PLAN
1 : 100



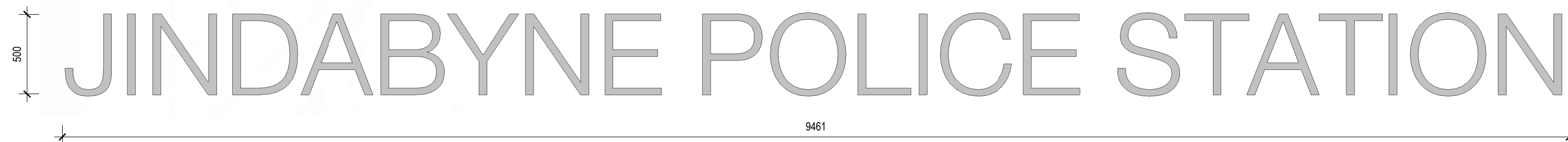
NSW POLICE SIGN

- Illuminated, 2-Sided, Flag Pole Mount Sign
- Main Entry, viewable from Thredbo Terrace from both directions



NSW POLICE CREST

- Adhesive glazing film
- Next to Public Entry on Thredbo Terrace access
- Cast Aluminium Crest



STATION NAME

- Wall mounted - Individual Letters
- Next to Public Entry on Thredbo Terrace main facade
- Aluminium Lettering - 500mm Arial

4 SIGNAGE DETAILS
1 : 25

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NSW POLICE STATIONS

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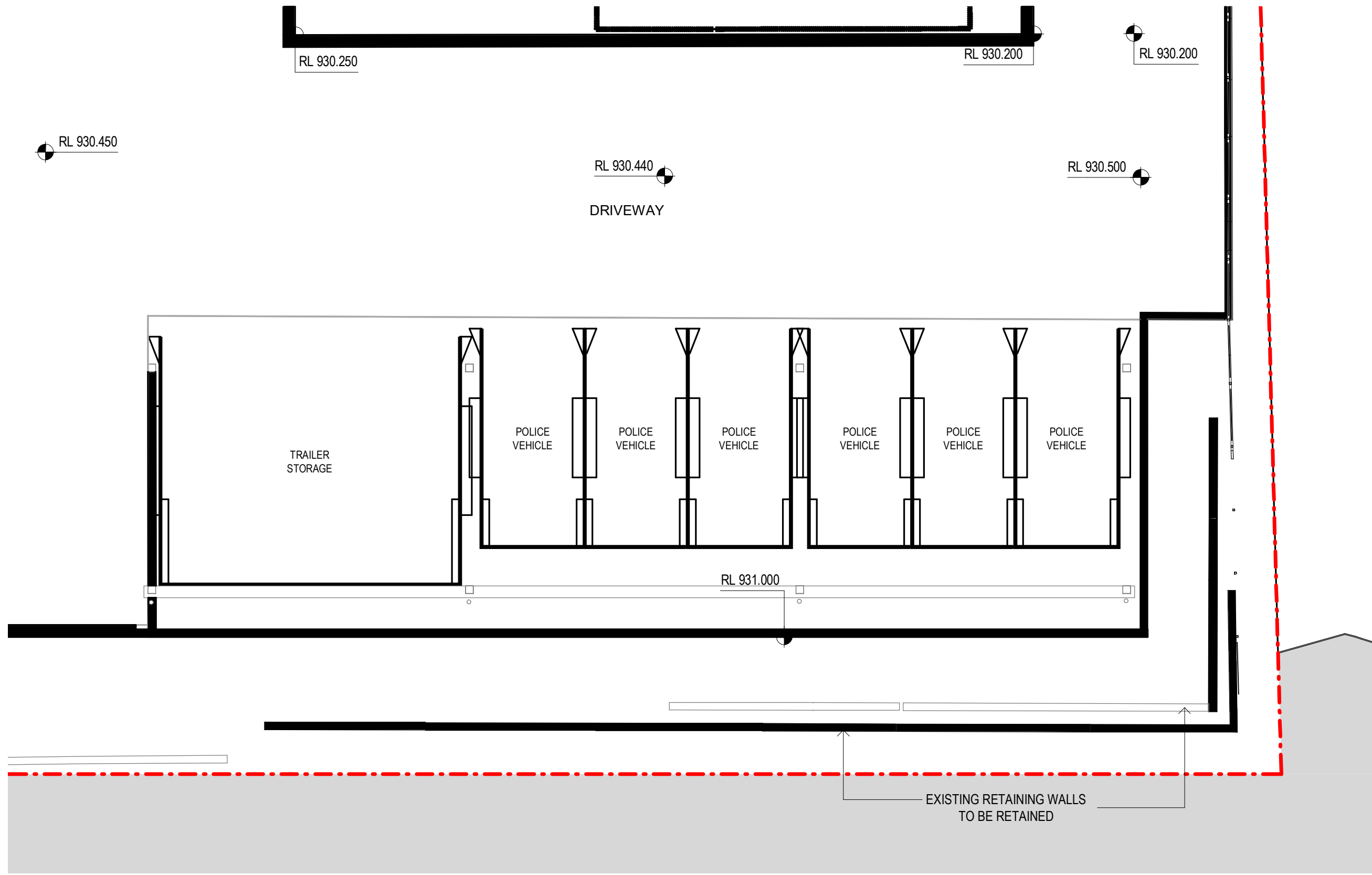
16 - 18 THREDBO TERRACE,
JINDABYNE

Asset

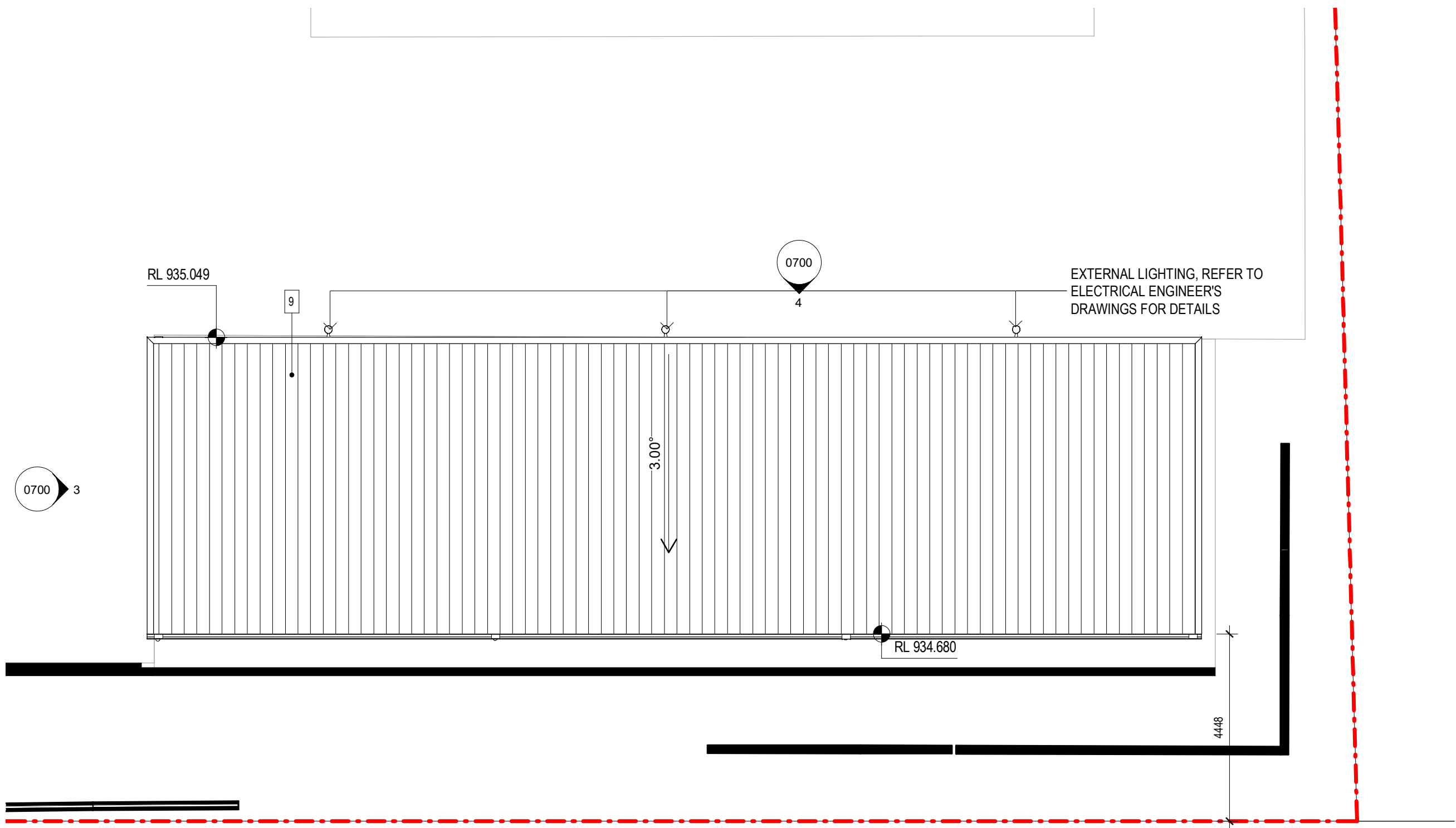
JINDABYNE POLICE STATION

Drawing Title
SIGNAGE PLANS

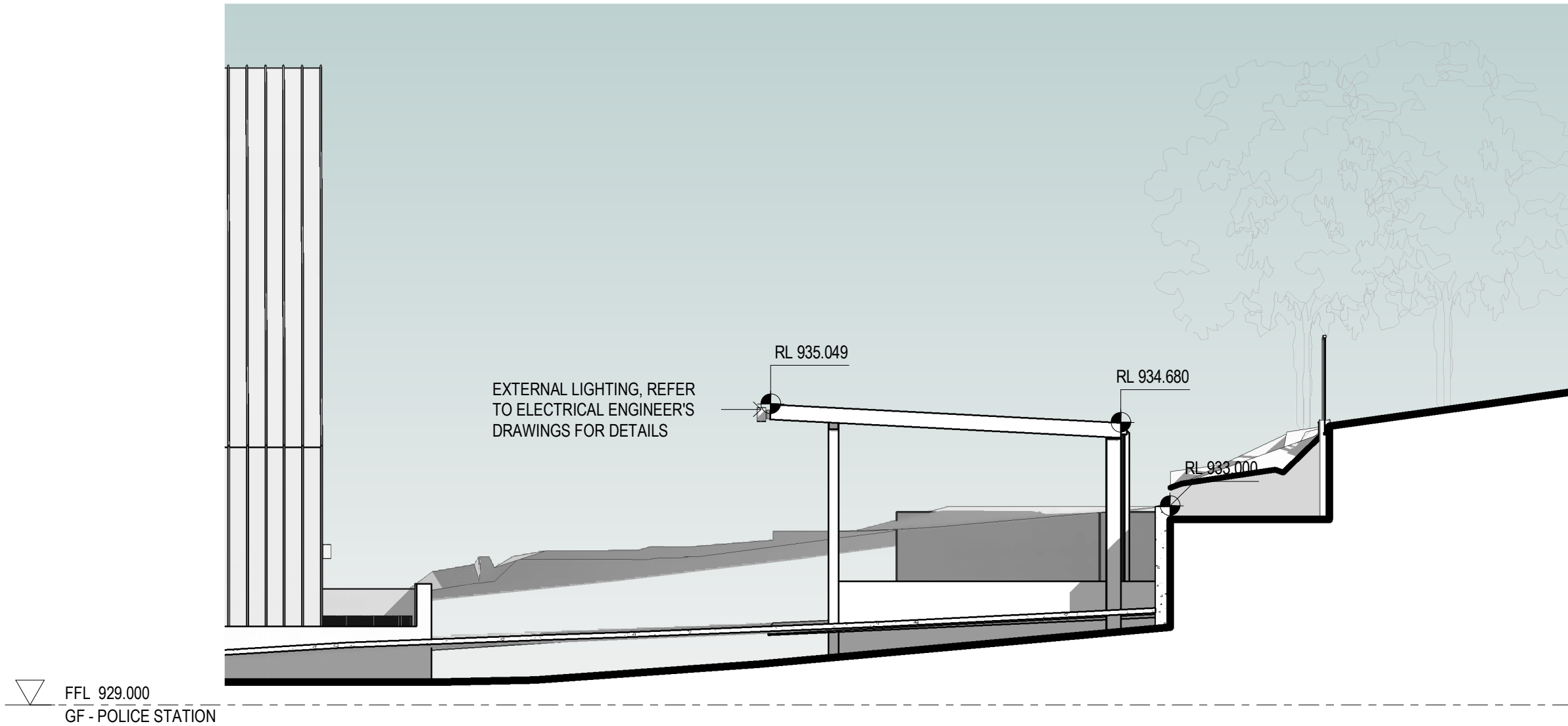
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DA	@A1 -As indicated	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0600	A	



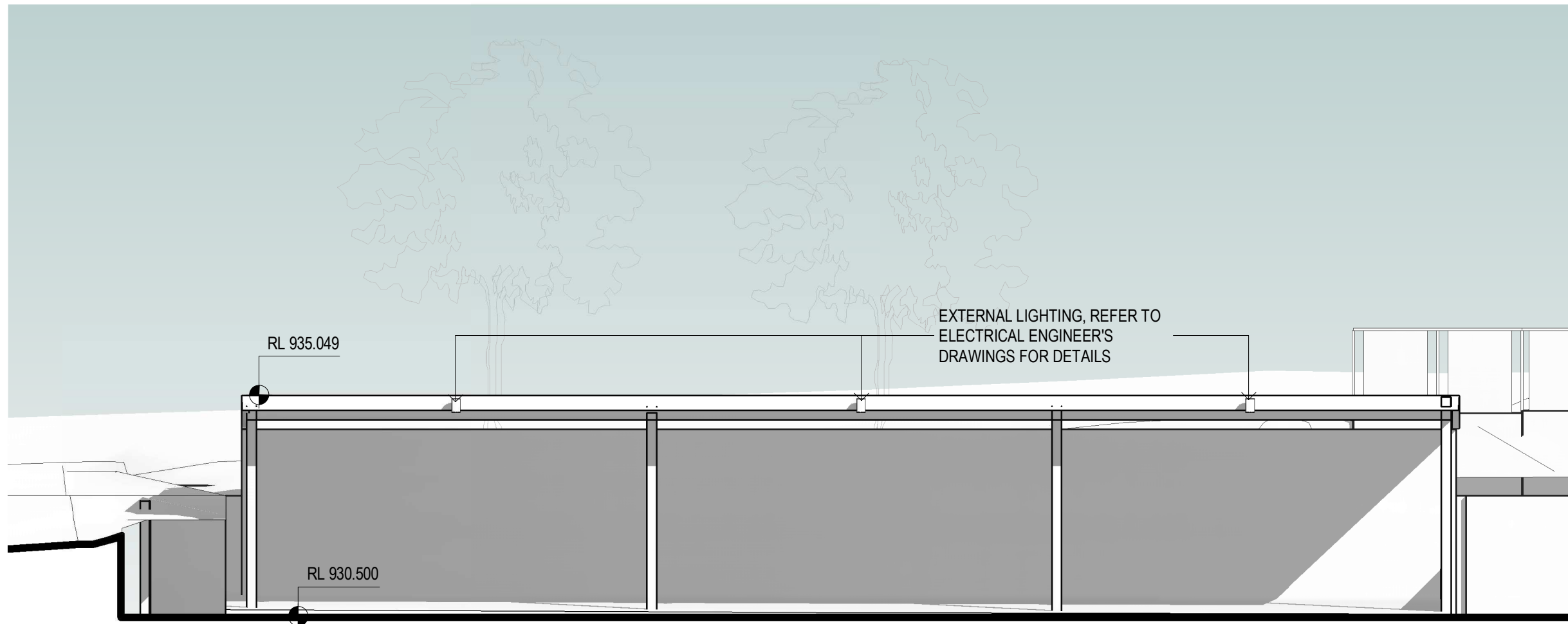
1 CARPORT PLAN
1 : 100



2 ROOF PLAN
1 : 100



3 WEST ELEVATION
1 : 100



4 NORTH ELEVATION
1 : 100



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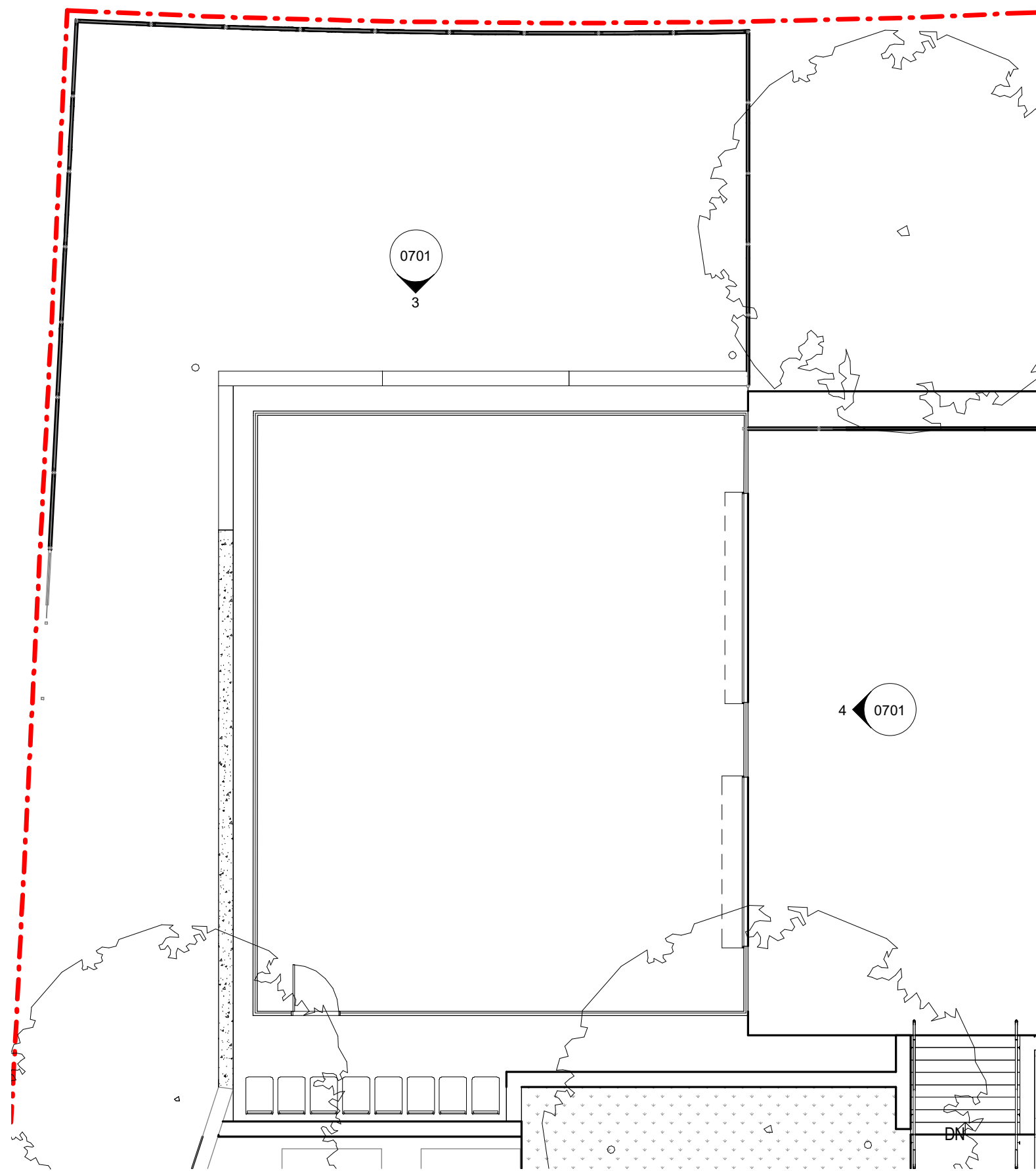
Project
NSW POLICE STATIONS

Location
**16 - 18 THREDBO TERRACE,
JINDABYNE**

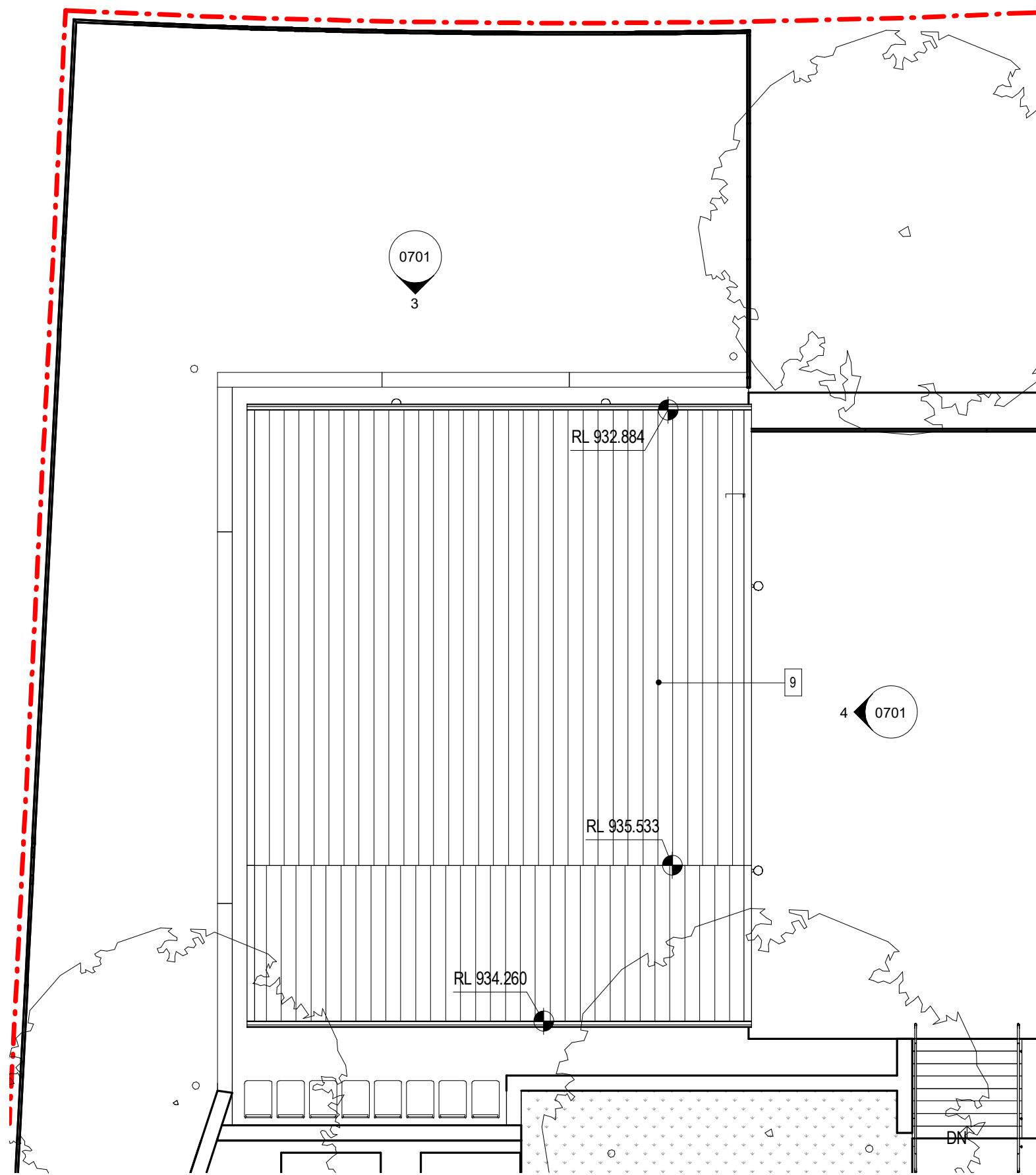
Asset
JINDABYNE POLICE STATION

Drawing Title
EXTERNAL WORKS - CARPORT

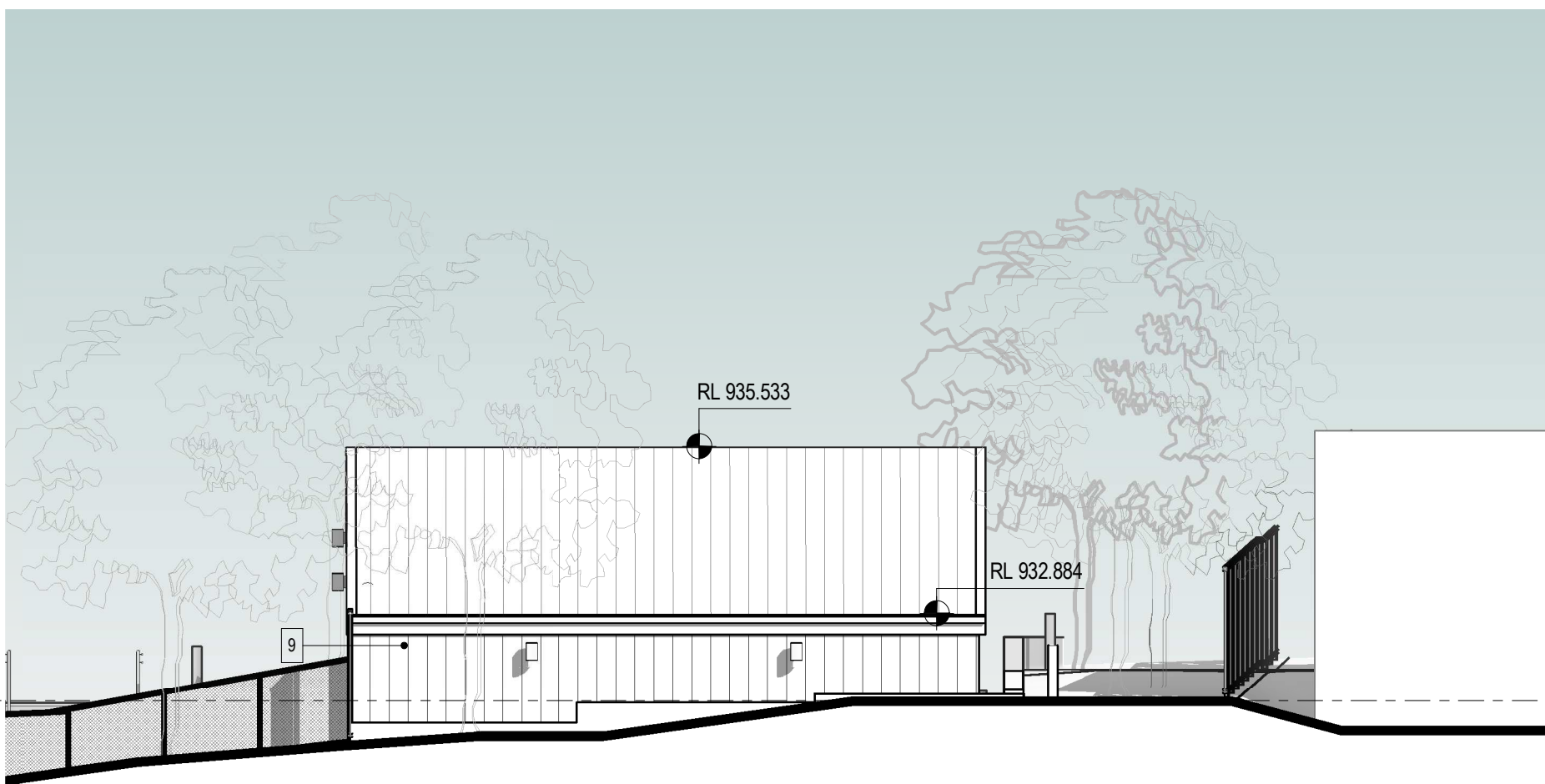
Phase	Scale	Plot Date	Drawn Chk
DA	@A1 - 1 : 100	19/03/2021	HK OM
Group GSA Proj. No	Drawing No	Revision	
200005	JIN-AR-0700	F	



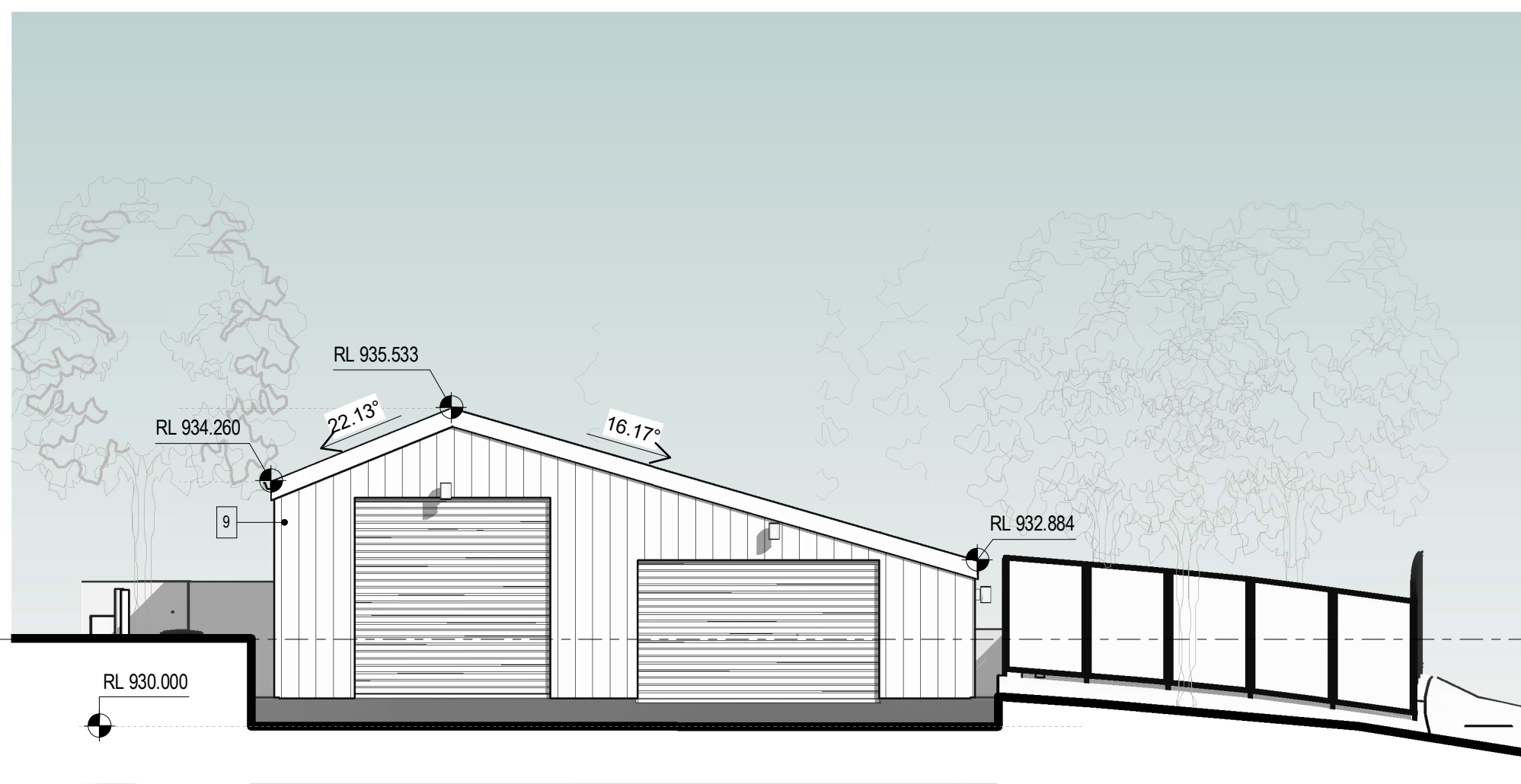
1 GROUND FLOOR PLAN
1:100



2 ROOF PLAN
1:100



3 NORTH ELEVATION
1:100



4 EAST ELEVATION
1:100

General Notes

1. This drawing is the copyright of Group GSA Pty Ltd and may not be altered, reproduced or transmitted in any form or by any means in part or in whole without the written permission of Group GSA.
2. Drawings to be printed in colour.
3. Do not scale drawings. Dimensions govern.
4. All dimensions are in millimetres unless noted otherwise.
5. All dimensions shall be verified on site before proceeding.
6. Any areas indicated on this sheet are approximate and indicative only.

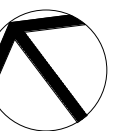
Issue	Reason for Issue/Change	Date	Chk
A	ISSUED FOR INFORMATION	11/12/2020	GSA
B	25% CONCEPT DESIGN	16/12/2020	GSA
C	25% CONCEPT DESIGN UPDATE	21/12/2020	GSA
D	DA SUBMISSION	19/03/2021	GSA

LEGEND:

- 1 LIGHT WEIGHT FACE STONE CLADDING
- 2 METAL CLADDING AND ROOF
- 3 TIMBER LOOK METAL CLADDING
- 4 CEMENT RENDER FINISH
- 5 TINTED GLASS
- 6 COLOURBACK GLASS
- 7 ALUMINIUM FRAMING
- 8 FROSTED GLASS
- 9 METAL CLADDING AND ROOF
- EXTERNAL LIGHTS (REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR DETAILS)

NOTES:

1. Refer to electrical engineer's drawings for external lights details.



North Point

Client



NSW Police Force



BGIS

Principal Design Consultant

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Project
NSW POLICE STATIONS

Location
**16 - 18 THREDBO TERRACE,
JINDABYNE**

Asset
JINDABYNE POLICE STATION

Drawing Title
**EXTERNAL WORKS - BOAT &
SKIDDOOS SHED**

Phase DA	Scale @A1 - 1 : 100	Plot Date 19/03/2021	Drawn Chk AuthoChecker
Group GSA Proj. No 200005	Drawing No JIN-AR-0701	Revision	D



Jindabyne Design Statement

Introduction

The architectural response to a new Police Station on the proposed site is reflective of key elements that have inspired the appearance and form of the building. These elements include the urban context of the Jindabyne and Monaro Region, Statutory performance requirements, sustainability initiatives and functional obligations. Each of these elements has had a direct impact on the design of the new building.

Urban Context

Several contextual conditions have been influential in shaping the development of the new Police Station. In the broadest sense it is these macro urban conditions that have the potential to be most significant in forming the development on the site. The following points address these macro urban conditions and the corresponding response to them.

Massing

The scale of the proposed buildings sit comfortably within the statutory planning envelope controls as noted elsewhere in this report. More importantly however is the response to the height and scale of the local building context at street level. An analysis of the surrounding buildings revealed a mix of single and two-storey structures with high pitched roofs which is a direct response to climatic constraints. In response, the proposed Police Station presents as a two-storey structure along the Thredbo Terrace street frontage offering a civic presence and maximising views to Lake Jindabyne with the accommodation building subtly located to the rear of the site with a more subdued presence as it is a private building.

The police station gable roof form is an acknowledgement of Jindabyne's history and location amongst the snowy mountains. The proximity to the local churches, where it draws its inspiration from, enhances the area's connection to its architectural history through a modern interpretation of form and materiality. This design outcome is conducive to the overall vision Council has for Jindabyne and enhances the character of the surrounding context.

Material Palette

A study of the materials used on the exterior of surrounding buildings has been undertaken to determine the most appropriate materials for the new Police Station.

The predominant building materials used throughout the immediate urban area are a mix of masonry/stone, cement render or timber cladding. In response to this, the intention is to maintain the look and feel of the existing palette of Jindabyne through the use of lighter weight material such as metal and fibre cement cladding for both buildings and stone cladding for the Police Station northern façade.

In acknowledgement of this context, the new Police Station is proposed to be constructed with a solid base, finished in a stone and metal cladding which will wrap over the building. Masonry/stone retaining walls around the site and within the landscape will tie into the existing site conditions and create a natural colour palette. The Accommodation building will be of pre-

finished FC and metal cladding which will have a timber look finish to tie into the predominant use of timber in the area.

Heritage

Although not listed as a site with any heritage significance, the design of the new Police Station is respectful of the local context with measures taken to minimise the impact of the new facility on existing Heritage Assets within the vicinity. Selection of materials (as noted above) are sympathetic to the materials used in the locality. Heritage context has been considered, however a more contemporary approach to this civic building has been envisioned to align with the local Council's Jindabyne Action Plan.

Sustainability

The Project seeks to provide both passive and active sustainability initiatives that will result in a considered environmentally responsive building. These initiatives include:

- Compliance with the Building Code of Australia Section J energy efficiency requirements.
- The buildings are designed to achieve a 4-star Energy NABERS rating.
- Recycling of rainwater for landscape irrigation and toilet flushing
- Selection of endemic low maintenance landscape species.

Design Vision

Situated along Thredbo Terrace, the police station is part of the Jindabyne Town Centre overlooking Lake Jindabyne. The concept of the design is largely responsive to its locality in the regional Monaro area and it's also providing a more fit-for-purpose facility while optimising building orientation and street presence.

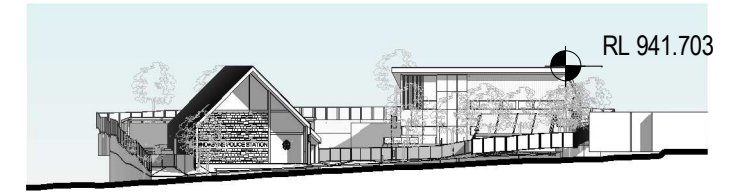
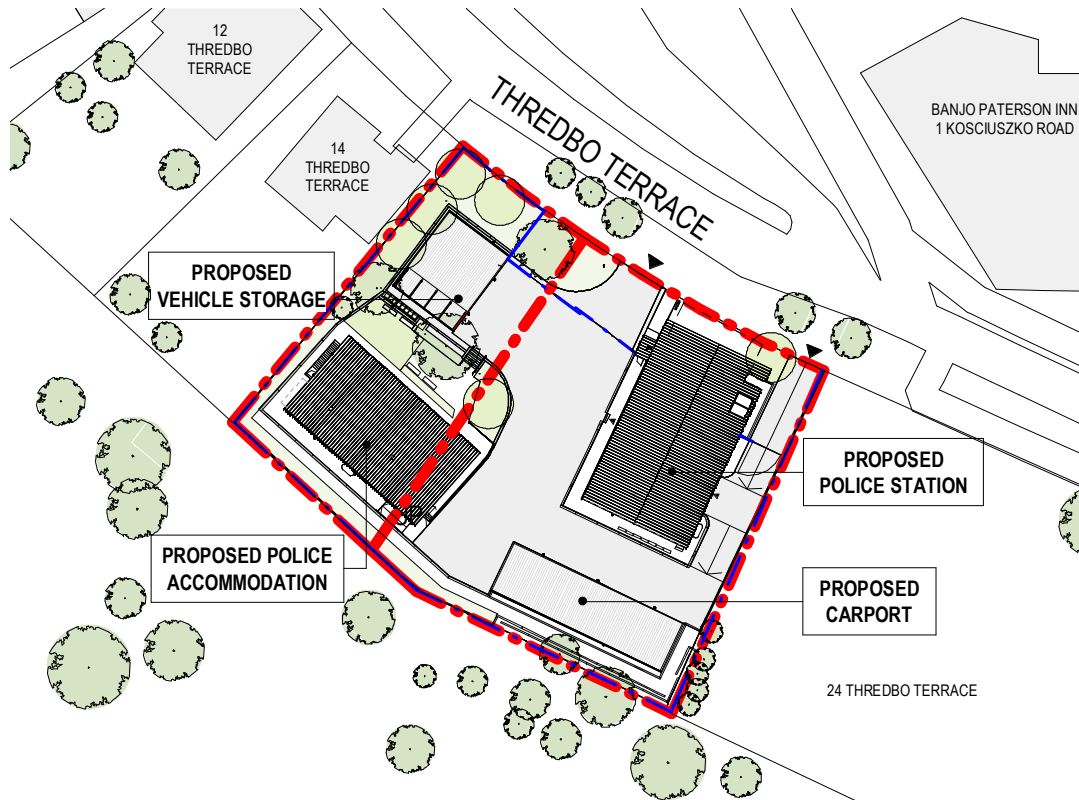
The Police Station Gable form protrudes past the façade acting as a skin over the rest of the building, emphasising the contemporary character of the project and reaffirms its vocation as an important public service.

The setback of the accommodation building to the rear of the site from the street frontage provides privacy for the residing police on site, creating the feel of an enclosed space away from the public. The use of privacy shading elements at level 1 and a timber look metallic cladding align the look and feel with the local residential context of Jindabyne.

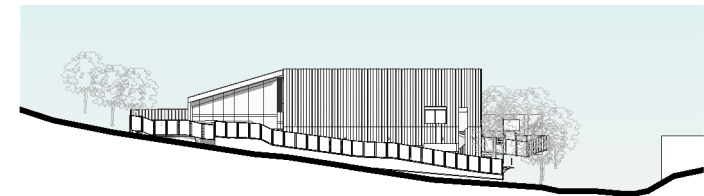
The police station façade is designed in such a manner that it attempts to frame the station to it's site context. It is structured and ordered in a manner which compliments the agile functionality of the building. The police station pays homage to the cultural and historical links of the city's architectural character. A secure and private amenity is provided to enhance user experience and natural light is provided to shared and public spaces.

Further, the north facing common spaces on level 1 with lake views provides a tranquil breakout space for users.

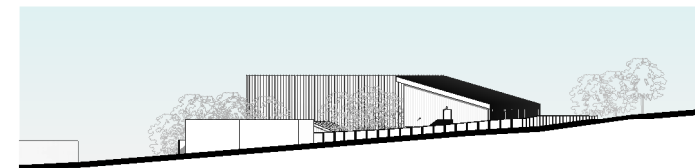
The buildings provide Police with a strong community presence and Jindabyne with a modern interpretation of it's architectural history.



2 THREDBO TERRACE - STREET ELEVATION
1:1000

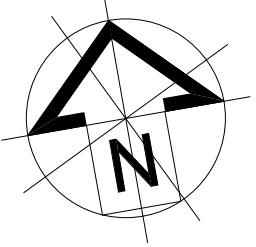


3 EAST ELEVATION
1:1000



4 WEST ELEVATION
1:1000

1 PROPOSED SITE PLAN
1:1000



LEGEND



W#
WALL MOUNTED LUMINAIRE



B1
900mm BOLLARD



LL1
IP65 LED STRIP



AMENDMENTS/REVISIONS

Rev	Description	Initials	Date
01	DA ISSUE	EM	22.01.21

NOTES

EXTERIOR LIGHTING

- FOR SECURITY PURPOSES LUMINAIRES SHALL BE GENERALLY MOUNTED AT 4M ABOVE GROUND LEVEL ON THE PERIMETER OF ALL BUILDINGS IN INDICATIVE LOCATIONS SHOWN.

LUMINAIRES SPECIFICATION

- WEATHERPROOF IP65 RATED
- VANDAL RESISTANT IK08 RATED
- LIGHT SOURCE SHALL BE LED
- COLOUR TEMPERATURE 4000K
- COLOUR RENDERING OF CRI80
- CONTROL GEAR SHALL USE DALI PROTOCOL.

CONTROL

- LIGHTS SHALL TURN ON AT DUSK & TURN OFF AT DAWN VIA A PHOTO-ELECTRIC CELL
- LUMINAIRES SHALL BE CAPABLE OF DIMMING TO A SPECIFIED LOW LEVEL WITH MOTION SENSORS BRINGING UP TO 100% BRIGHTNESS FOR 30 MINUTES WHEN MOVEMENT IS DETECTED.
- SPILL LIGHTING BEYOND THE SITE BOUNDARY SHALL BE ASSESSED ACCORDING TO AS/NZS 4282:2019.

CONSULTANT



CLIENT





ARCHITECT



PROJECT MANAGER



PROJECT

Jindabyne Police Station
16-18 THREDBO TERRACE,
JINDABYNE

DRAWING TITLE

ELECTRICAL SERVICES
SITE LIGHTING LAYOUT

PRELIMINARY

DRAWN	DESIGNED	CHECKED	SCALE (@A1)	DATE
DP	EM	BI	As indicated	07.12.20

PROJECT No.	DRAWING No.	REVISION
PR-20-63	E-303	01