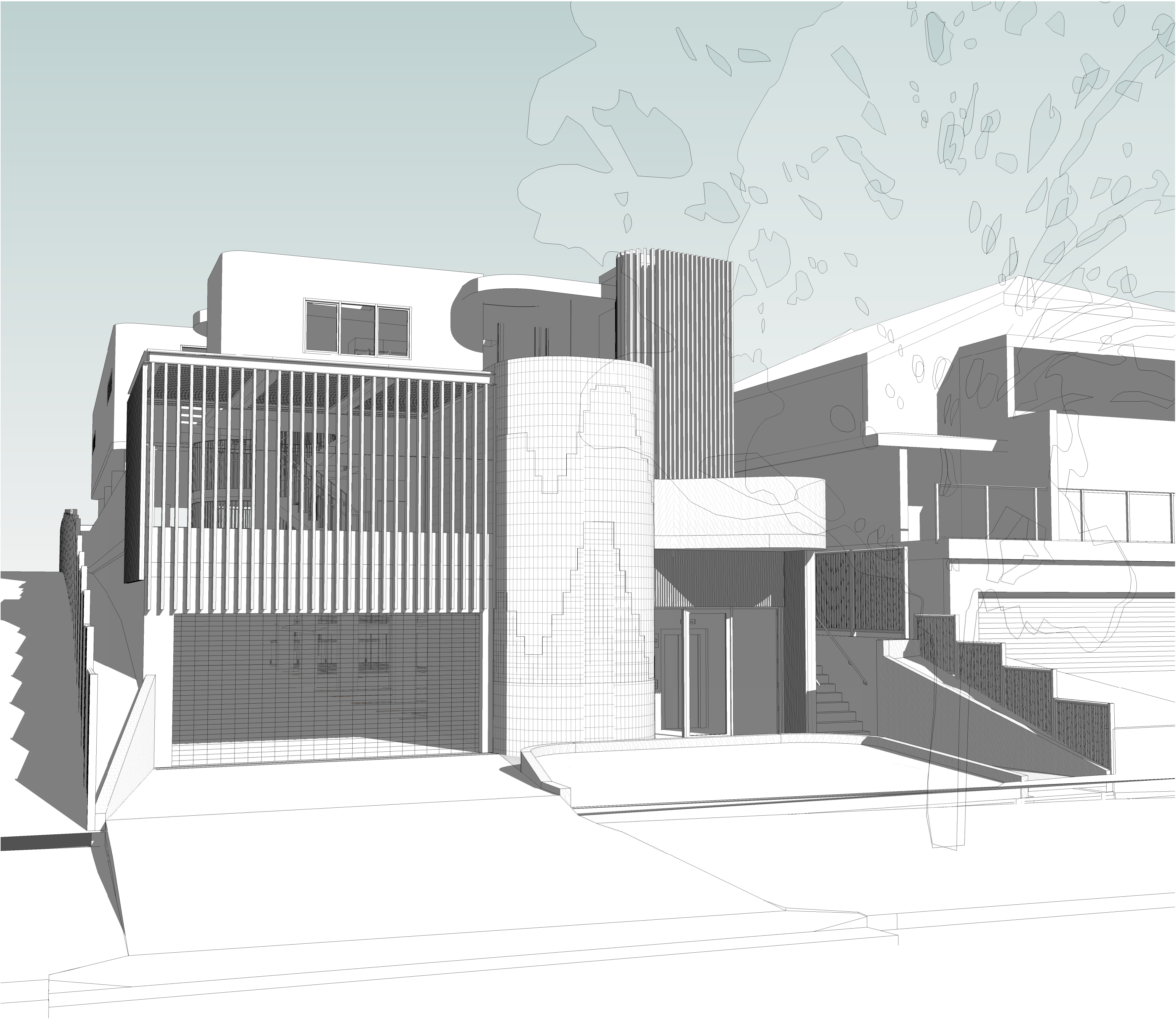


CHILDCARE CENTRE

11 Lewis Street Balgowlah Heights NSW 2093



DA Drawings			
Sheet No.	Rev	Title	Date
DA.100	A	Proposed Lower Ground	17.12.2020
DA.200	A	Proposed Sections	17.12.2020
DA.101	A	Proposed Ground and Level 1 Plans	17.12.2020
DA.060	A	GFA	17.12.2020
DA.040	A	Demolition Plan	17.12.2020
DA.300	A	Proposed Elevations	17.12.2020
DA.190	A	Proposed Roof Plan	17.12.2020
DA.070	A	Tree Protection Plan	17.12.2020
DA.080	A	Prevailing Building Line Plan and Elevation	17.12.2020
DA.065	A	8.5mtr Height Blanket	17.12.2020
DA.066	A	Driveway Section	17.12.2020
DA.000	A	Cover Page	17.12.2020
DA.010	A	Site Analysis Plan	17.12.2020
DA.030	A	Cut and Fill Plan	17.12.2020
DA.020	A	Site Plan	17.12.2020
DA.035	A	Shadows 21st June	17.12.2020
DA.901	A	Proposed Finishes - Sheet 2	17.12.2020
DA.900	A	Proposed Finishes - Sheet 1	17.12.2020
DA.902	A	3D Views	17.12.2020
DA.061	A	Unencumbered Area Plans	17.12.2020
DA.036	A	Shadows 21 June Balgowlah Heights Public School	17.12.2020
DA.301	A	Proposed Elevations	17.12.2020

Development Application

NOT For Construction

DA Applicant : George Antoniou Site Address : Lot B DP 369977 11 Lewis Street Balgowlah Heights NSW 2093

Rev	Description	Date
A	Issue for Development Application	17.12.2020

D:\NJA Local Files\BVR00120 Lewis 8\BVR00120 DA 201114 GT Local.rvt		JOB No.	BVR00120
TITLE		DATE	December 2020
		SCALE	A1 @
		DWG No.	DA.000 A
		Cover Page	



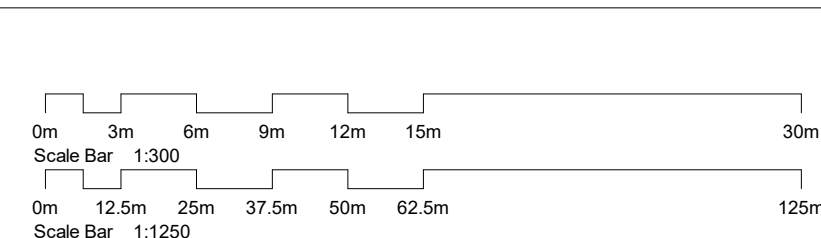
1 Neighbourhood Context Plan
1 : 1250

2 Local Context Plan
1 : 300

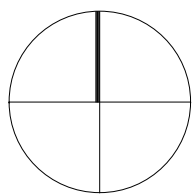
Development Application

Rev	Description	Date
A	Issue for Development Application	17.12.2020

NOT For Construction



DA Applicant : George Antoniou Site Address : Lot B DP 369977 11 Lewis Street Balgowlah Heights NSW 2093



TITLE

Site Analysis Plan

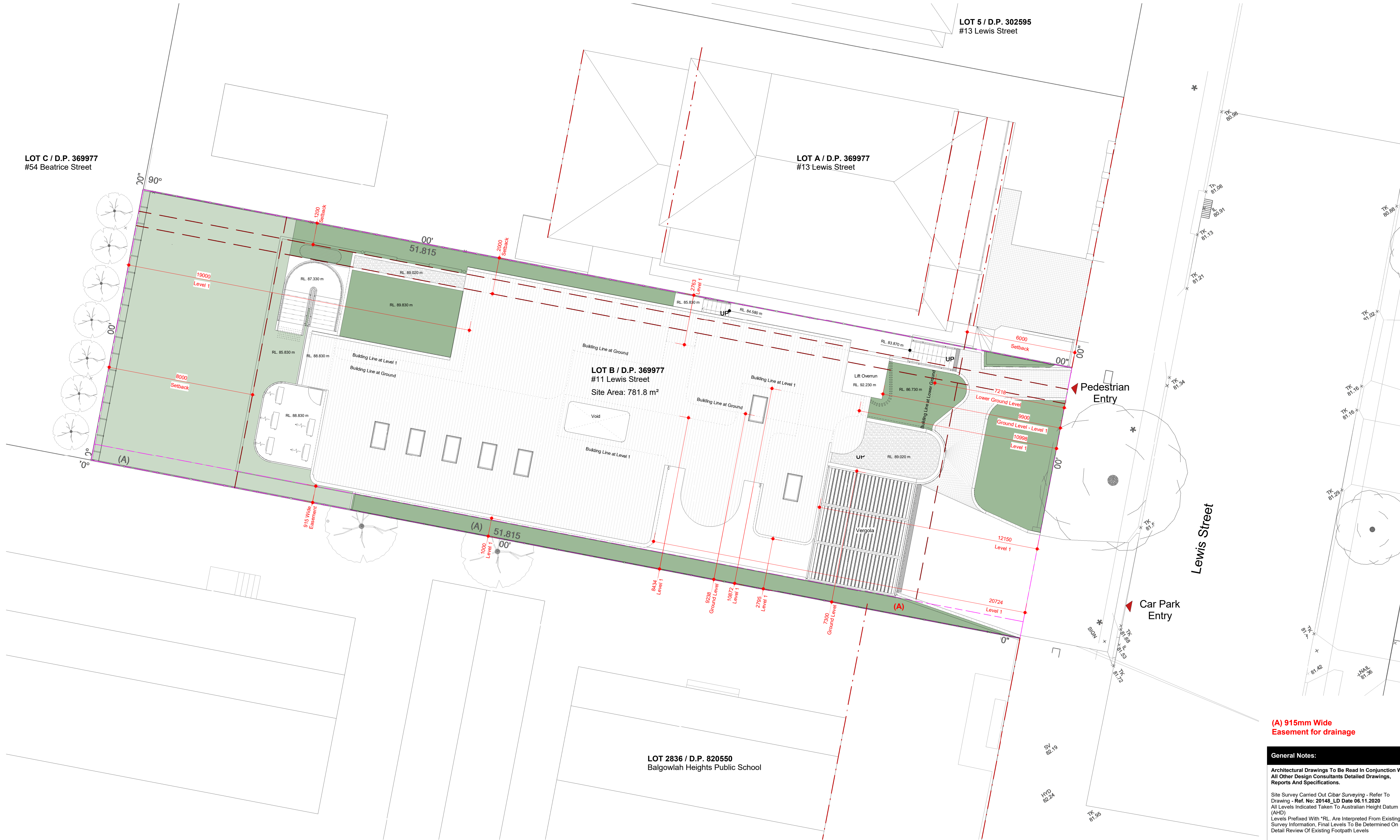
JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ As indicated
DWG No.	DA.010 A

General Notes:

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(A) 915mm Wide
Easement for drainage

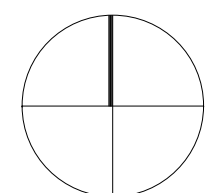
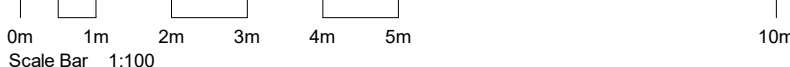
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Rev	Description	Date
A	Issue for Development Application	17.12.2020



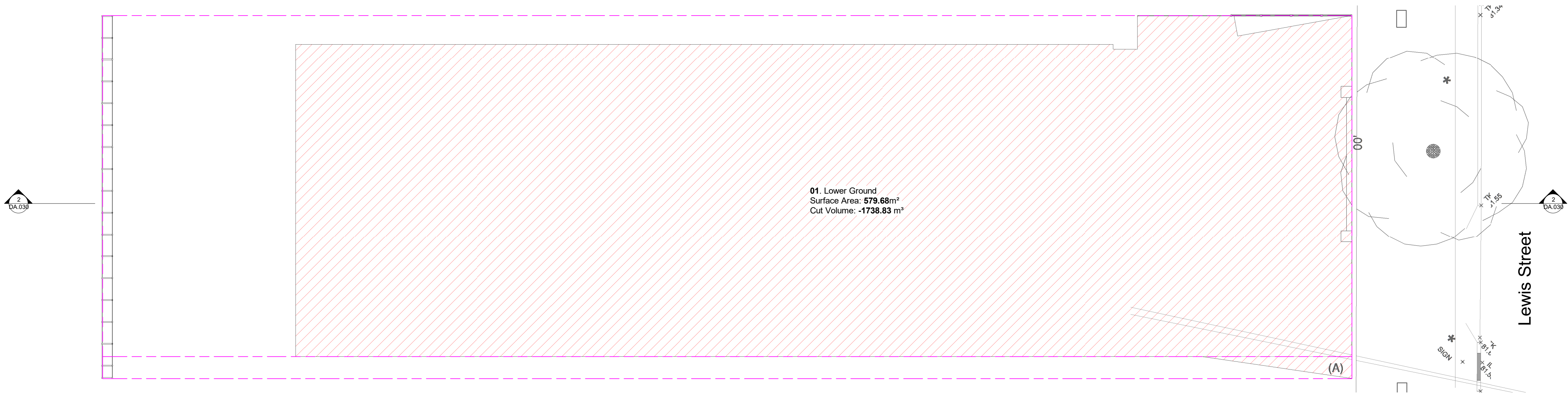
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Site Plan

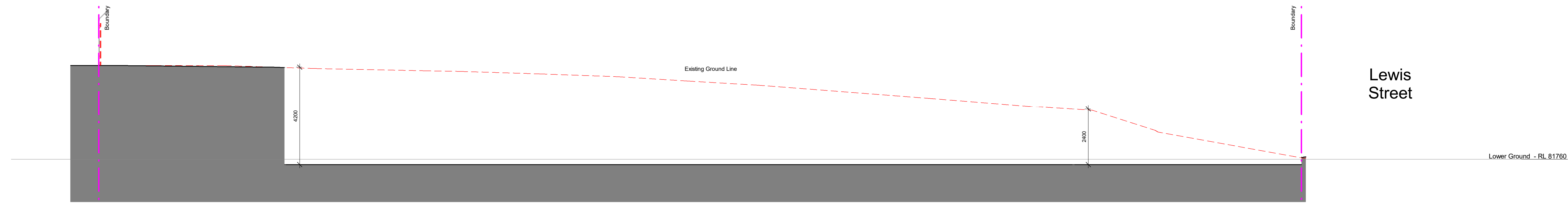
JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1:100
DWG No.	

DA.020 A

Mark	Location	Area	Cut	Fill	Net cut/fill
01	Lower Ground	579.68 m²	1730.82 m³	0.00 m³	-1730.82 m³



1 030.SP.Cut and Fill Plan
1 : 100



2 Section 1
1 : 100

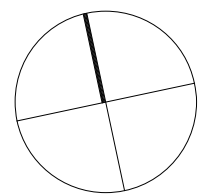
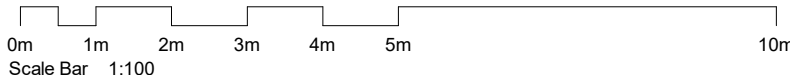
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Rev	Description	Date
A	Issue for Development Application	17.12.2020



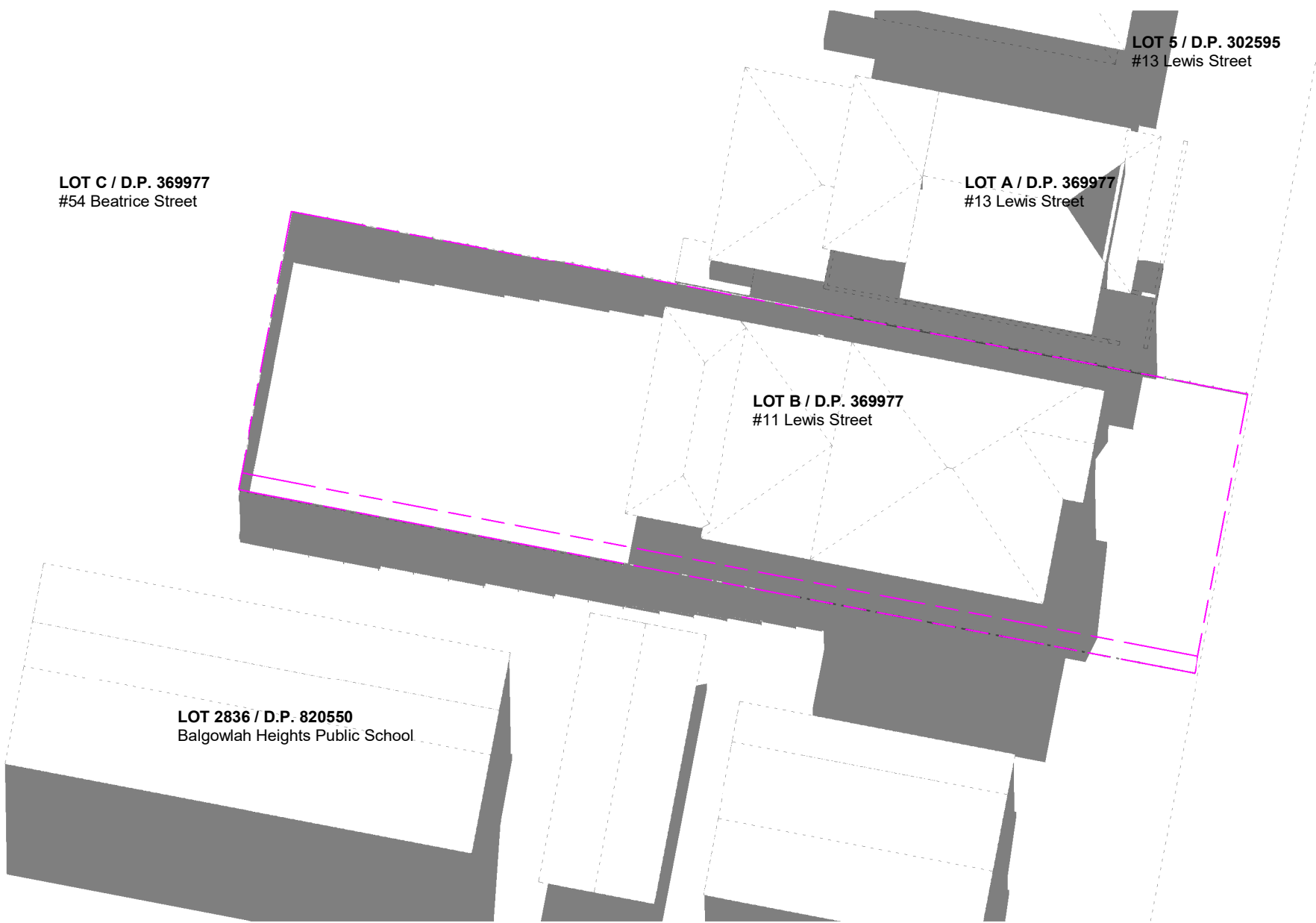
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Cut and Fill Plan

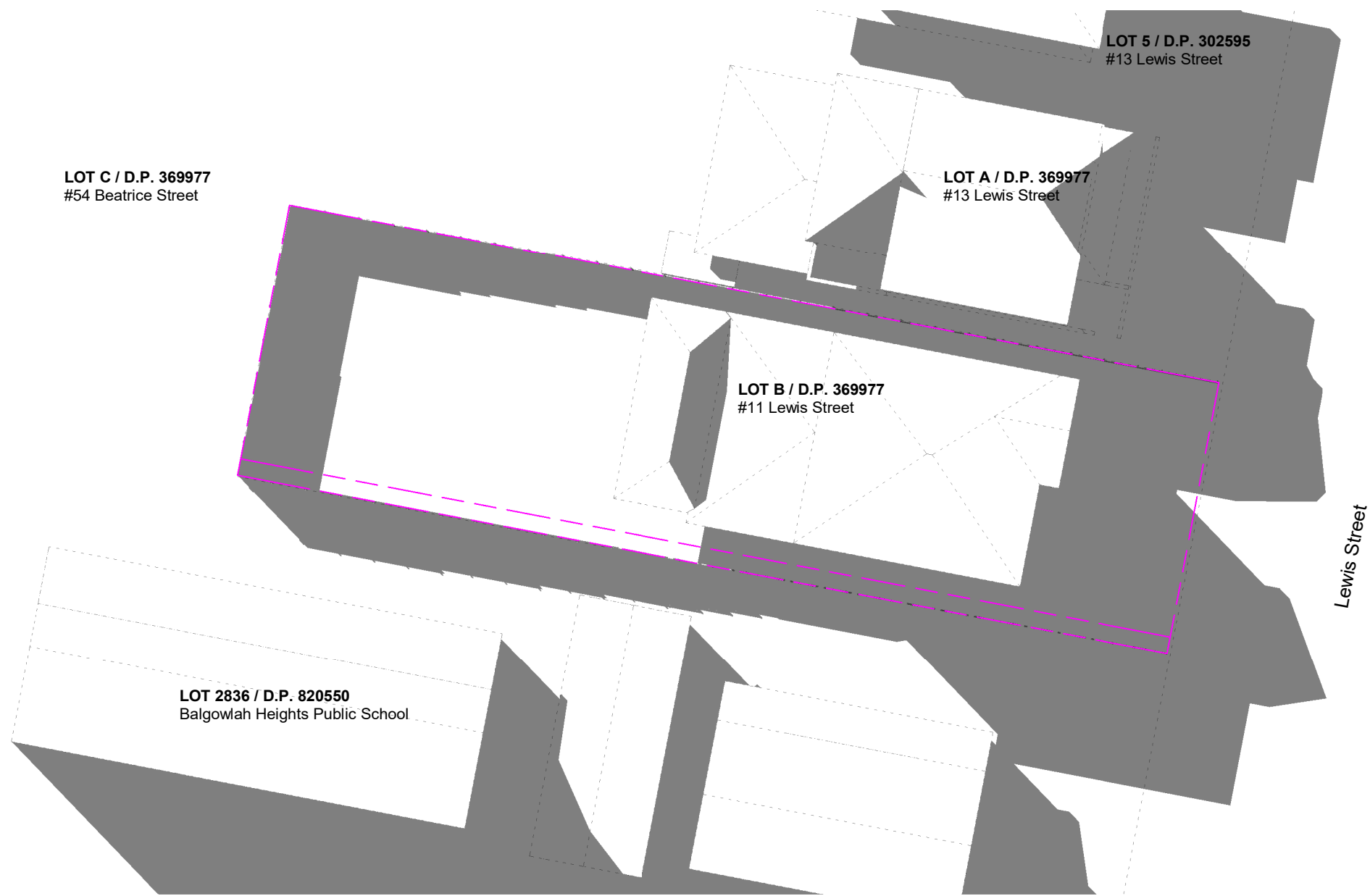
JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1 : 100
DWG No.	DA.030 A



Existing.09.00am 21 June
1 : 300



Existing.12.00pm 21 June
1 : 300



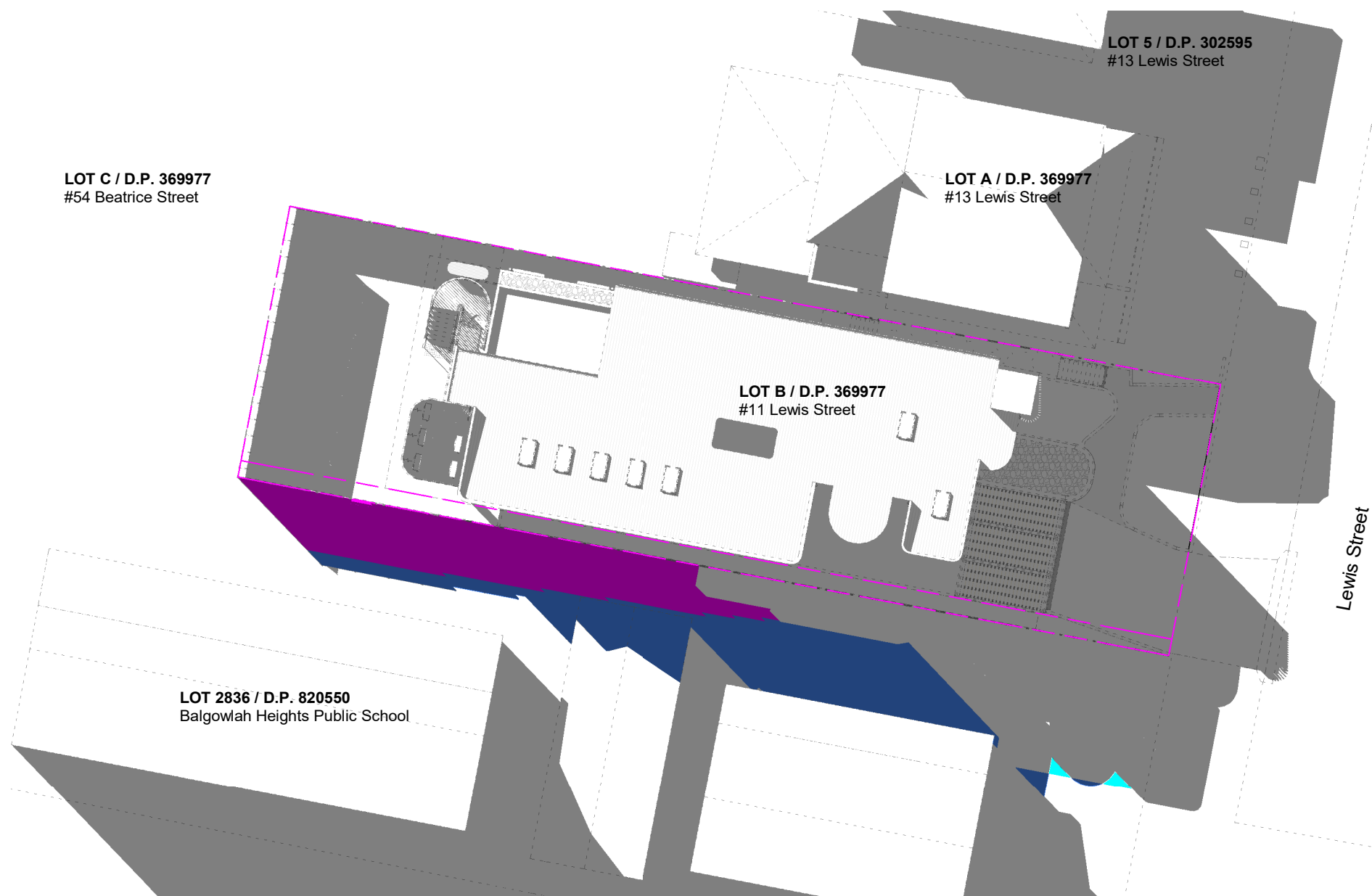
Existing.03.00pm 21 June
1 : 300



Proposed.09.00am 21 June
1 : 300



Proposed.12.00pm 21 June
1 : 300



Proposed.03.00pm 21 June
1 : 300

Shadows Legend:

- Proposed Shadow
- Existing Shadow
- Existing Fence Shadow
- Improvement from Proposed Development

Shadow Diagrams prepared by Nordon Jago Architects

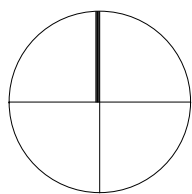
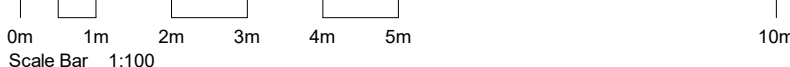
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Rev	Description	Date
A	Issue for Development Application	17.12.2020

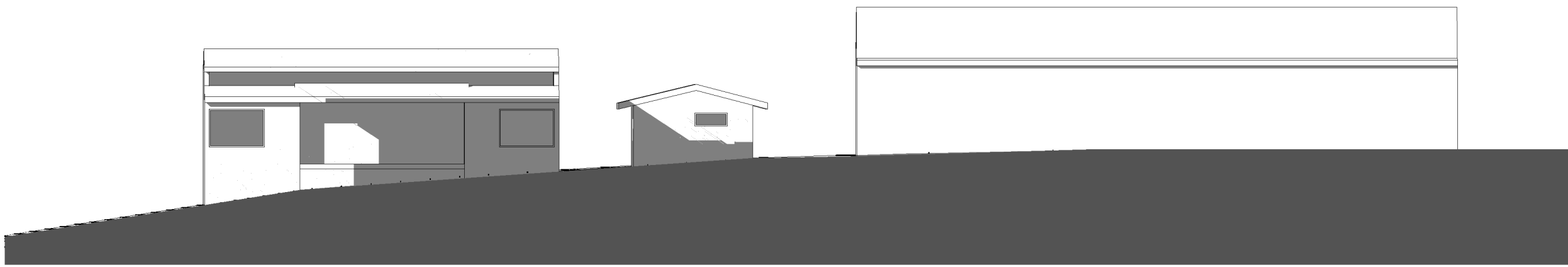


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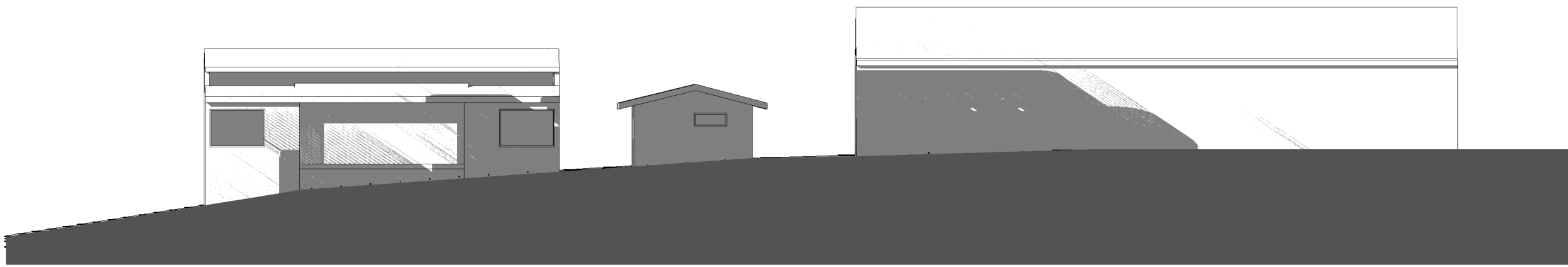
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JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ As indicated
DWG No.	

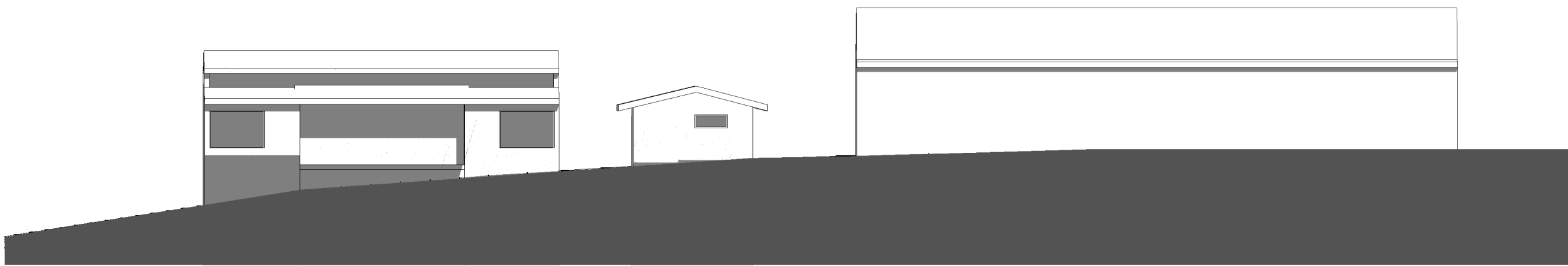
DA.035 A



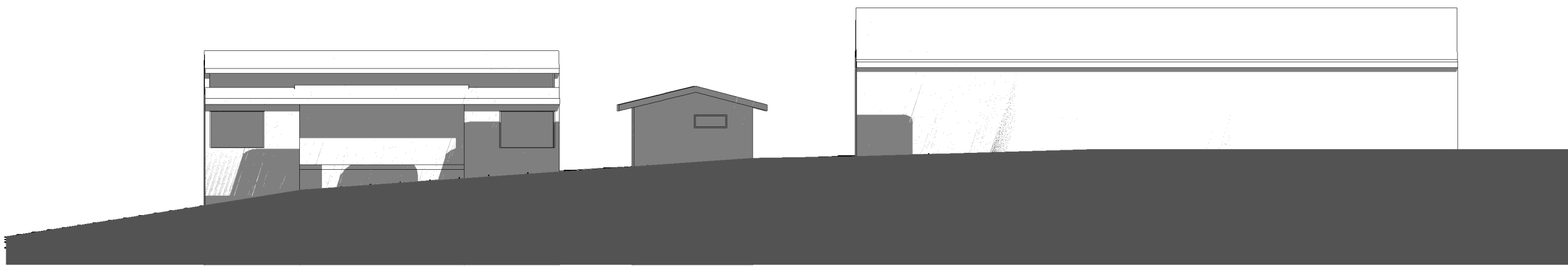
Existing.09.00am 21 June



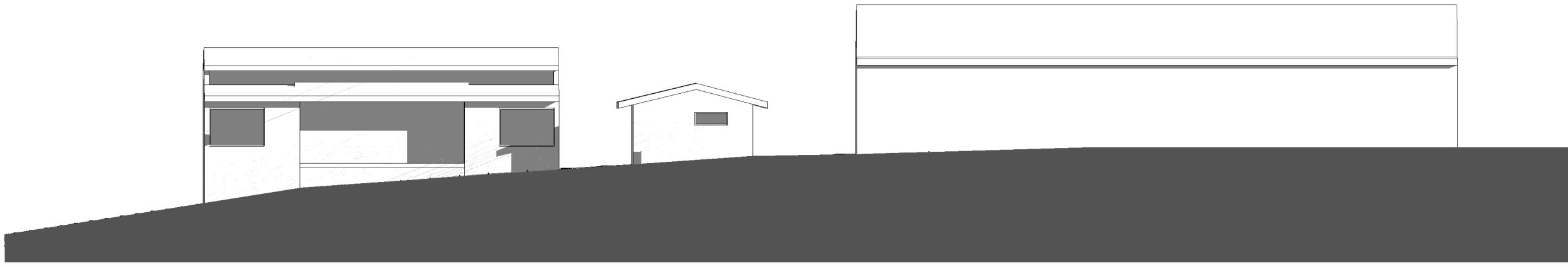
Proposed.09.00am 21 June



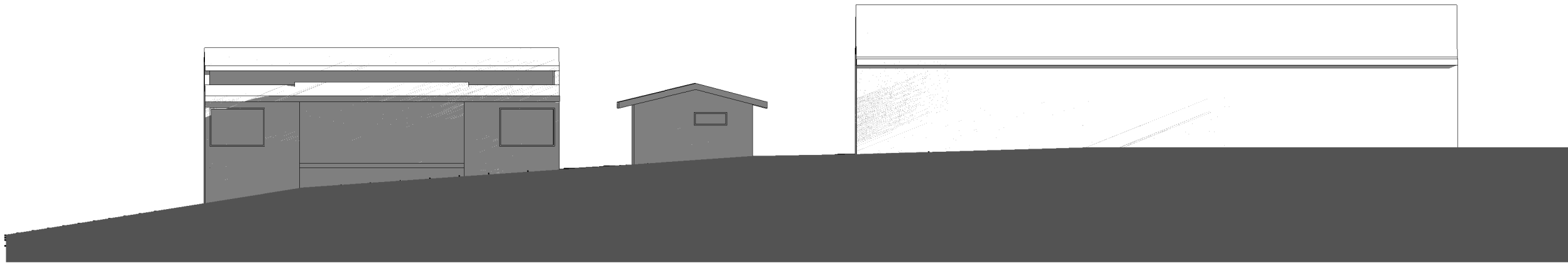
Existing.12.00pm 21 June



Proposed.12.00Pm 21 June



Existing.03.00pm 21 June



Proposed.03.00pm 21 June

Shadows Legend:

Proposed Shadow

Existing Shadow

Existing Fence Shadow

Improvement from Proposed Development

Shadow Diagrams prepared by Nordon Jago Architects

General Notes:

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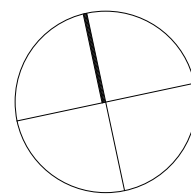
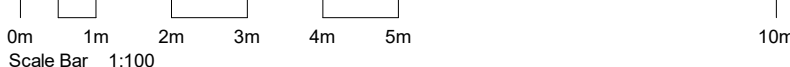
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Development Application

NOT For Construction

DA Applicant : George Antoniou Site Address : Lot B DP 369977 11 Lewis Street Balgowlah Heights NSW 2093

Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE

Demolition Plan

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1:100
DWG No.	

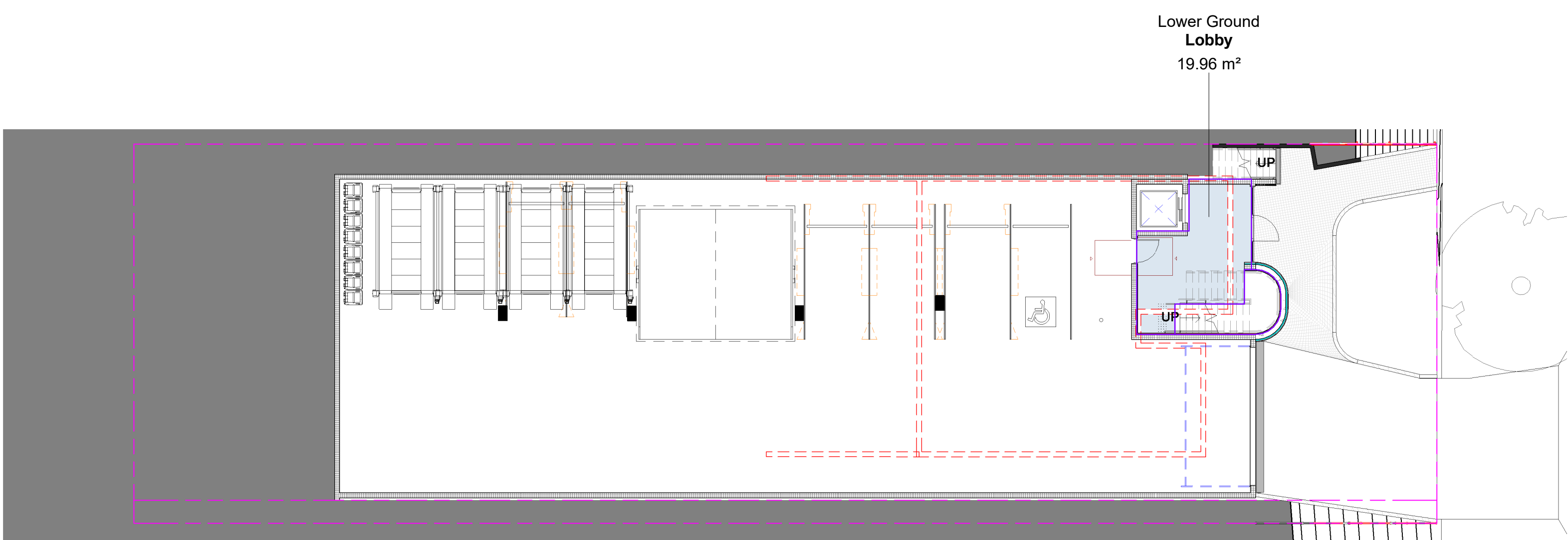
DA.040 A

General Notes:

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Area Schedule (Gross Building)		
Level	Name	Area
Lower Ground	Lobby	19.96
Ground	Administrative space	21.19
Ground	Indoor space for child	76.10
Level 1	Indoor space for child	194.64
Level 1	Kitchen	17.14
Level 1	Lobby	11.76
Grand total: 6		340.79

COMPLIANCE CALCULATION

11 Lewis Street Balgowlah Heights NSW 2093

Planning Instruments
Northern Beaches Council
Manly LEP 2013 (Written Instrument + Maps)

SITE AREA

- Site Area : **781.8 m²**
- Permissible GFA 0.45:1 **351.81m²**
- Proposed GFA 0.43.5:1 **340.79m²**

LANDSCAPE/SITE COVERAGE CALCULATION

1. Open Space Area **OS3**

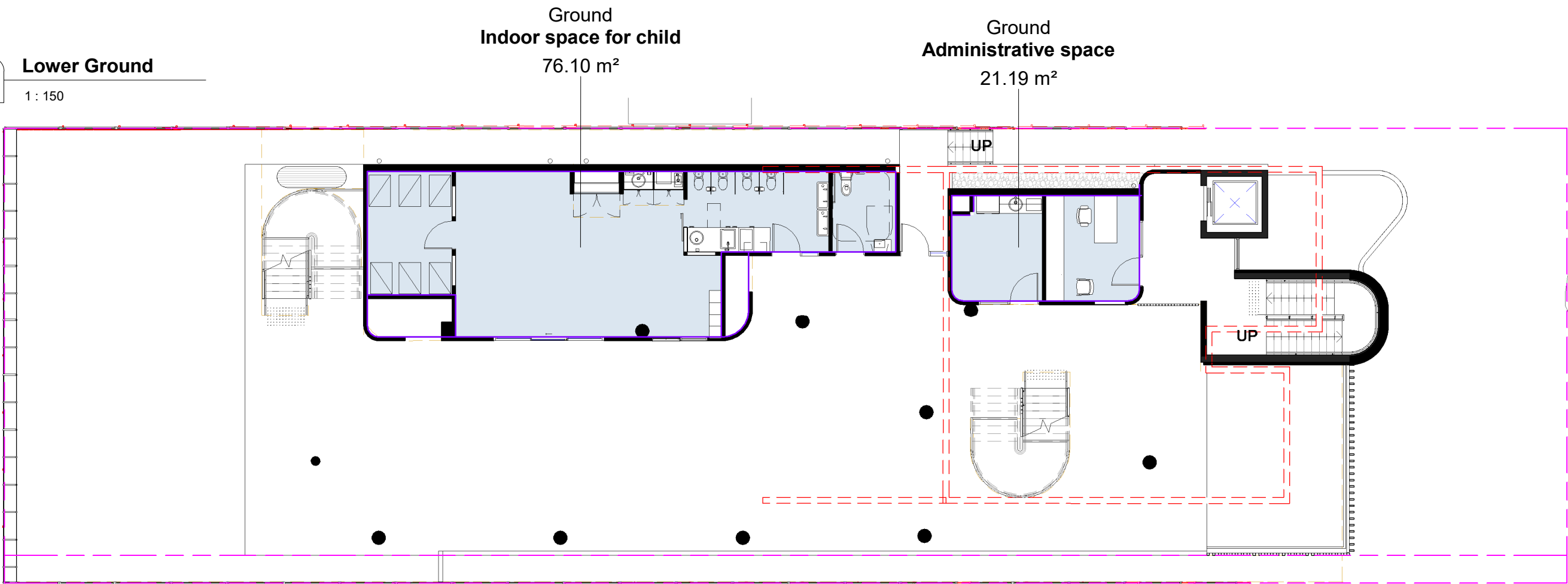
- Total Open Space 55% : 429.99m²
- Total Landscape Area 35% 150.49m²
- Above ground landscape Area 40% 312.72m²

Site Coverage:

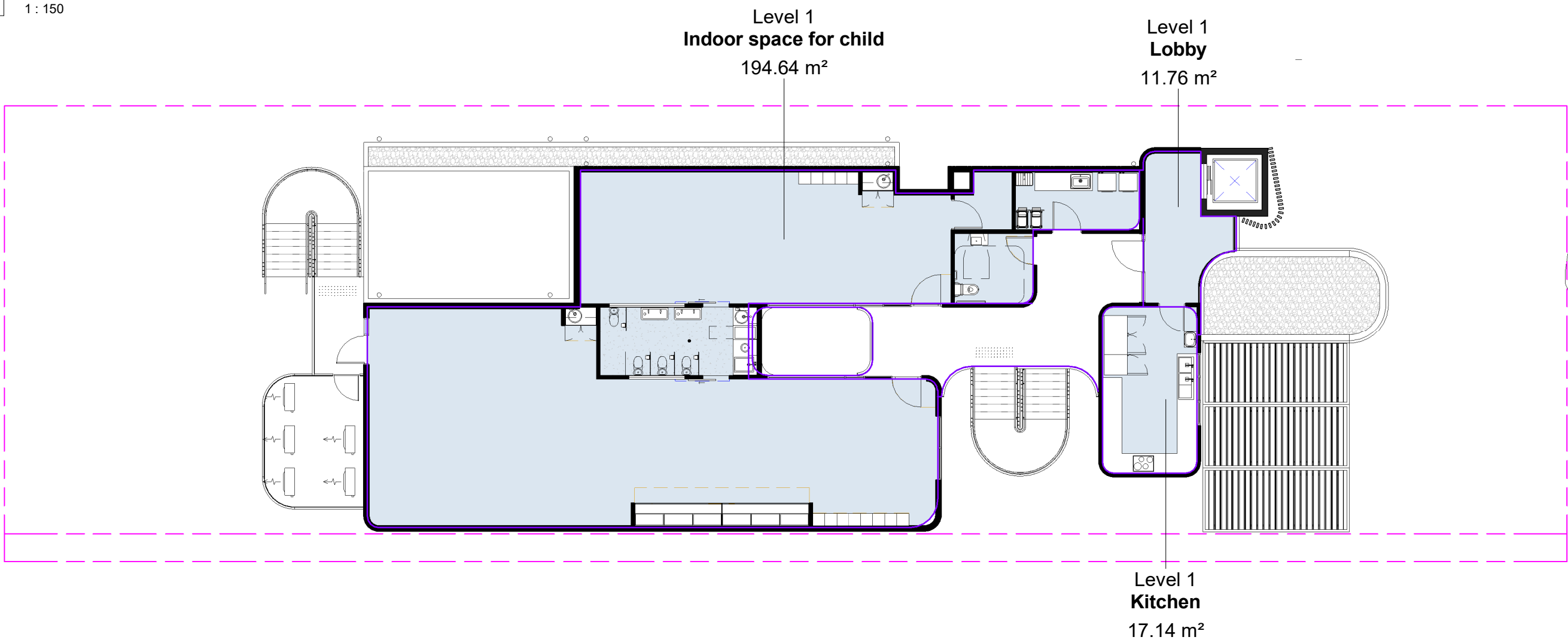
Means the proportion of a site area covered by buildings. However, the following are not included for the purpose of calculating site coverage:

- (a) any basement,
- (b) any part of an awning that is outside the outer walls of a building and that adjoins the street frontage or other site boundary,
- (c) any eaves,
- (d) unenclosed balconies, decks, pergolas and the like.

1 Lower Ground 1 : 150



2 Ground 1 : 150



3 Level 1 1 : 150



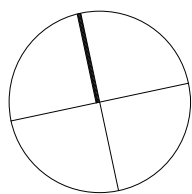
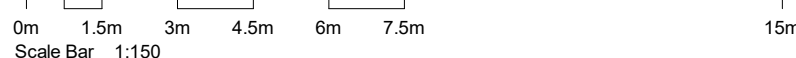
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Rev	Description	Date
A	Issue for Development Application	17.12.2020

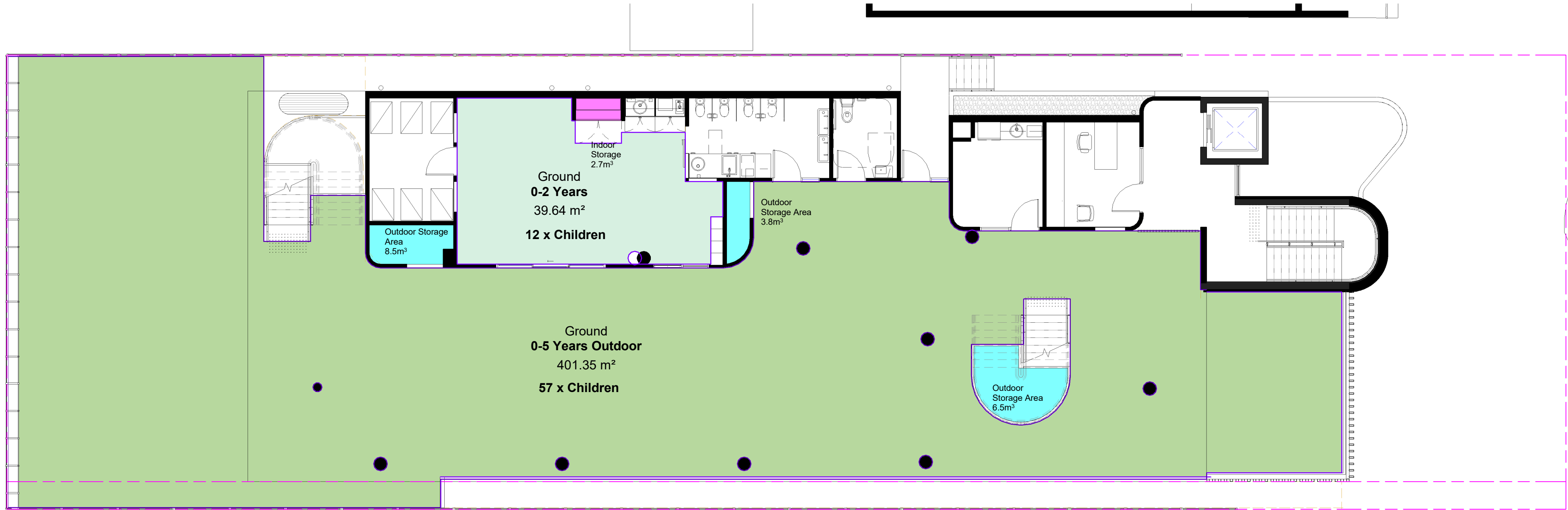


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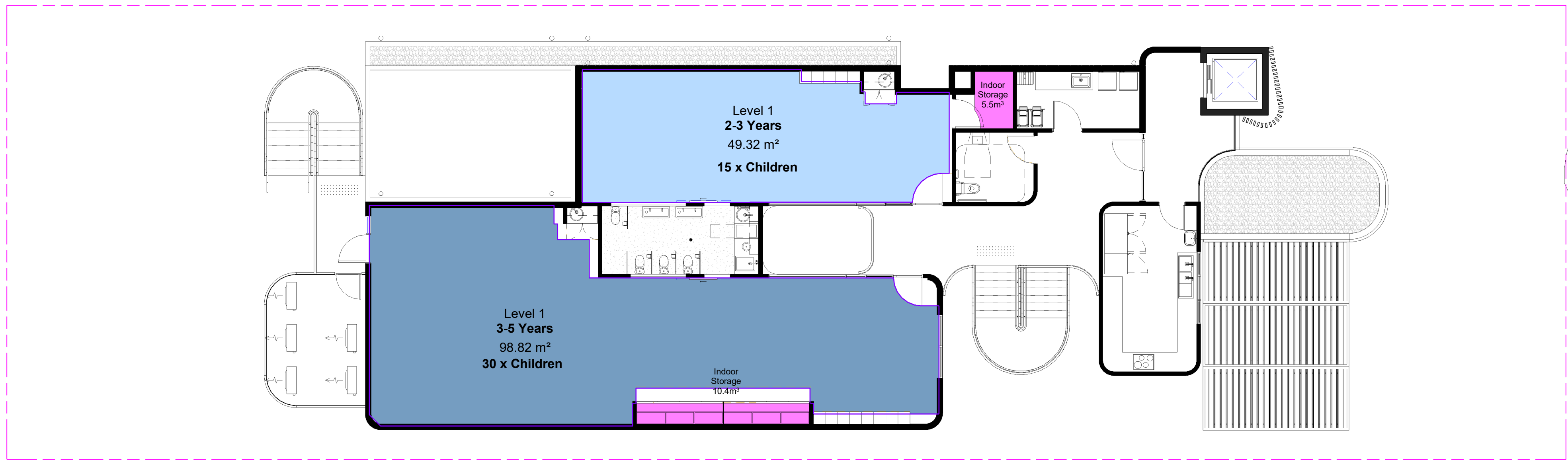
GFA

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ As indicated
DWG No.	

DA.060 A



1 Proposed Ground Floor
1 : 100



2 Proposed Level 1
1 : 100

Unencumbered External Area		
Level	Name	Area

Ground	0-5 Years Outdoor	401.35
Grand total: 1		401.35

Unencumbered Internal Area		
Level	Name	Area

Ground	0-2 Years	39.64
Level 1	2-3 Years	49.32
Level 1	3-5 Years	98.82
Grand total: 3		187.78

Childcare		
Ground Floor		
Room 1	0 - 2 Years	12 x Children
Room 2	2 - 3 Years	15 x Children
Room 3	3 - 5 Years	30 x Children
Total		57 x Children

Indoor Spaces	
57 Children X 3.25m² =	185.25 m² Required
Proposed Indoor Area	Total 187.78m² Comply
Outdoor Spaces	
57 Children X 7m² =	399 m² Required
Proposed Outdoor Area	Total 401.35m² Comply

Indoor and Outdoor Space

Indoor:
A minimum of 3.25m² of unencumbered indoor play space* per child that is exclusively for the use of the children is to be provided.

Outdoor:
A minimum of 7m² of useable outdoor play space* per child that is exclusively for the use of children is to be provided.

** Unencumbered space does not include items such as any passage ways or thoroughfares, door swing areas, kitchen, cot rooms, toilet or shower areas located within the building or any other facility such as cupboards and areas set aside for sleeping, staff and administration*

Indoor Storage	57 Children X 0.2m³ =	11.4 m³ Required
Proposed Indoor Storage	Total 18.6m³	Comply
Outdoor Storage	57 Children X 0.3m³ =	17.1 m³ Required
Proposed Outdoor Storage	Total 18.8m³	Comply

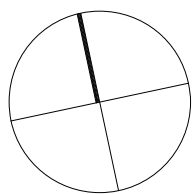
General Notes:

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Rev	Description	Date
A	Issue for Development Application	17.12.2020

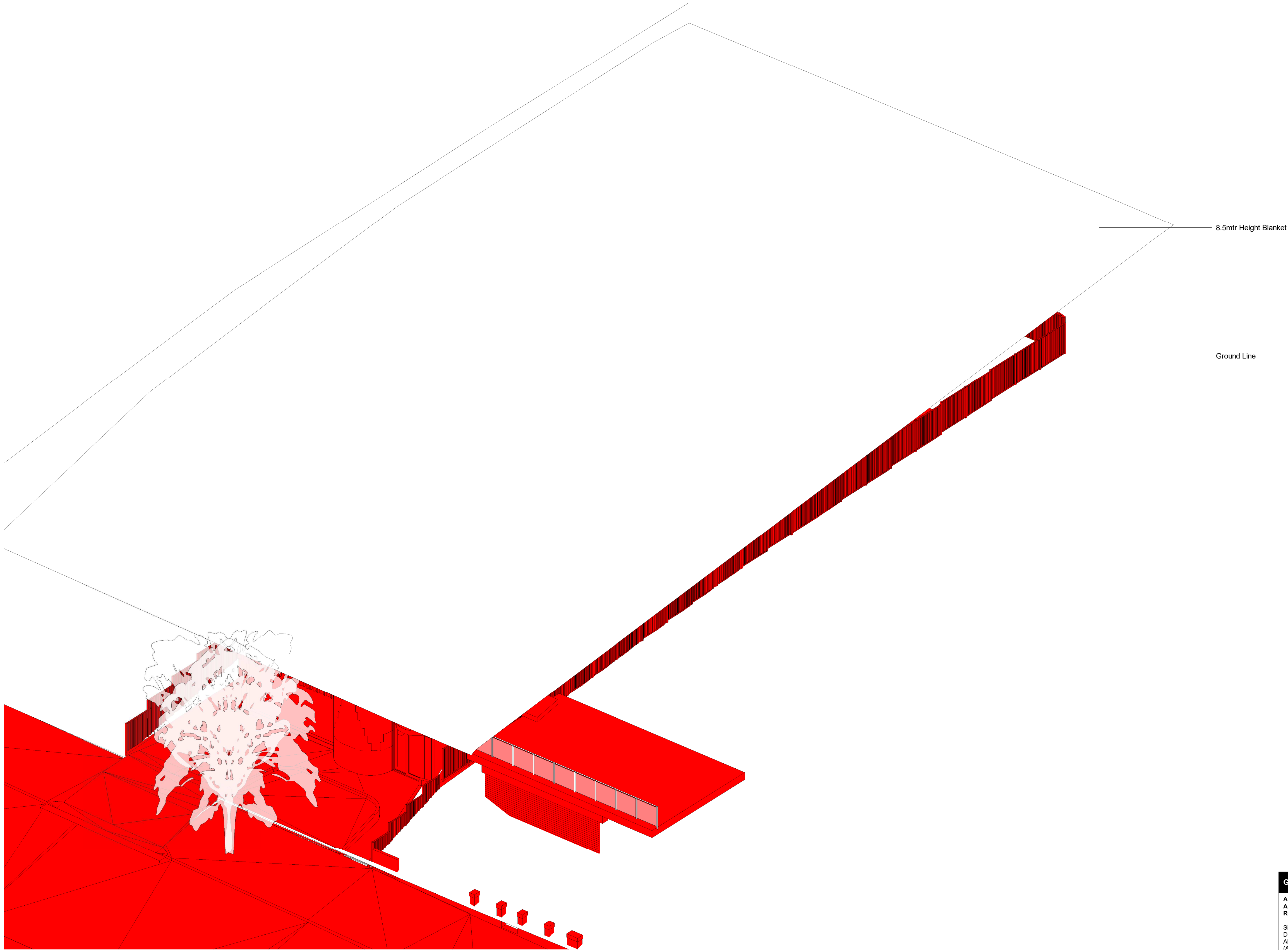


TITLE

Unencumbered Area Plans

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1 : 100
DWG No.	

DA.061 A



General Notes:

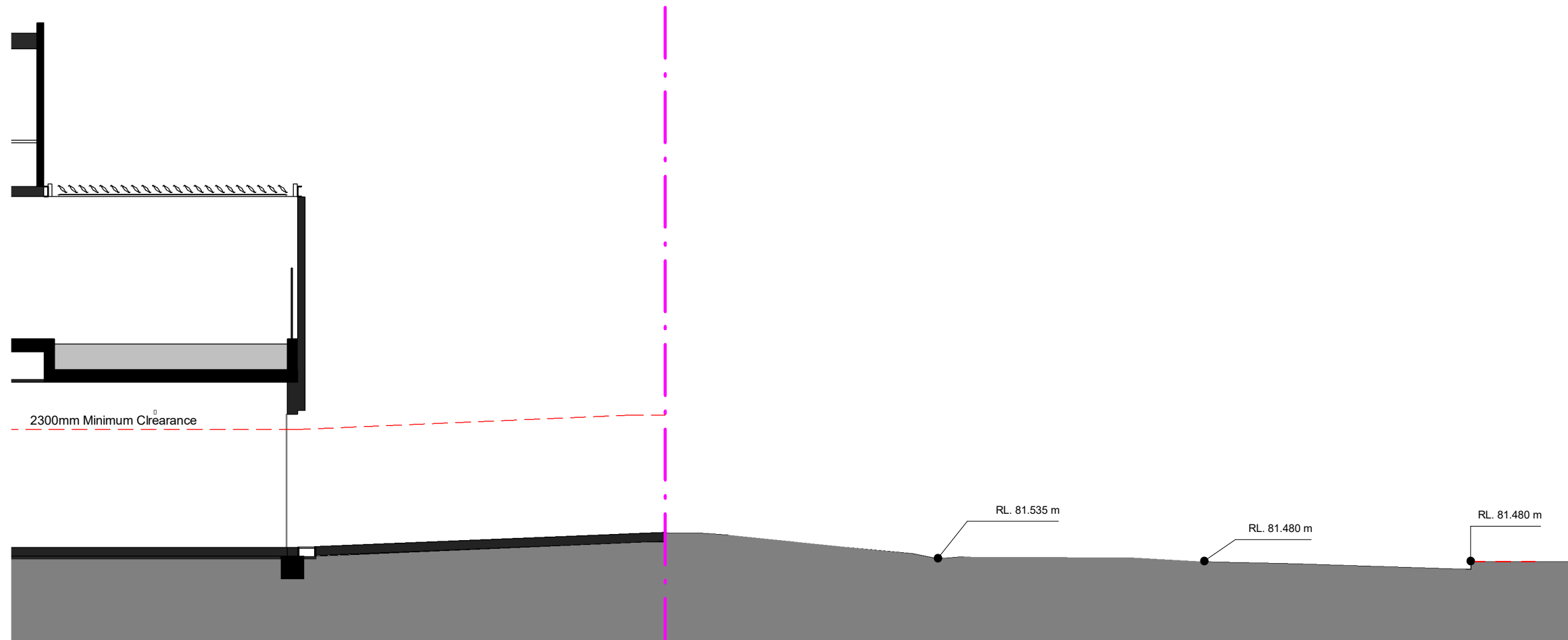
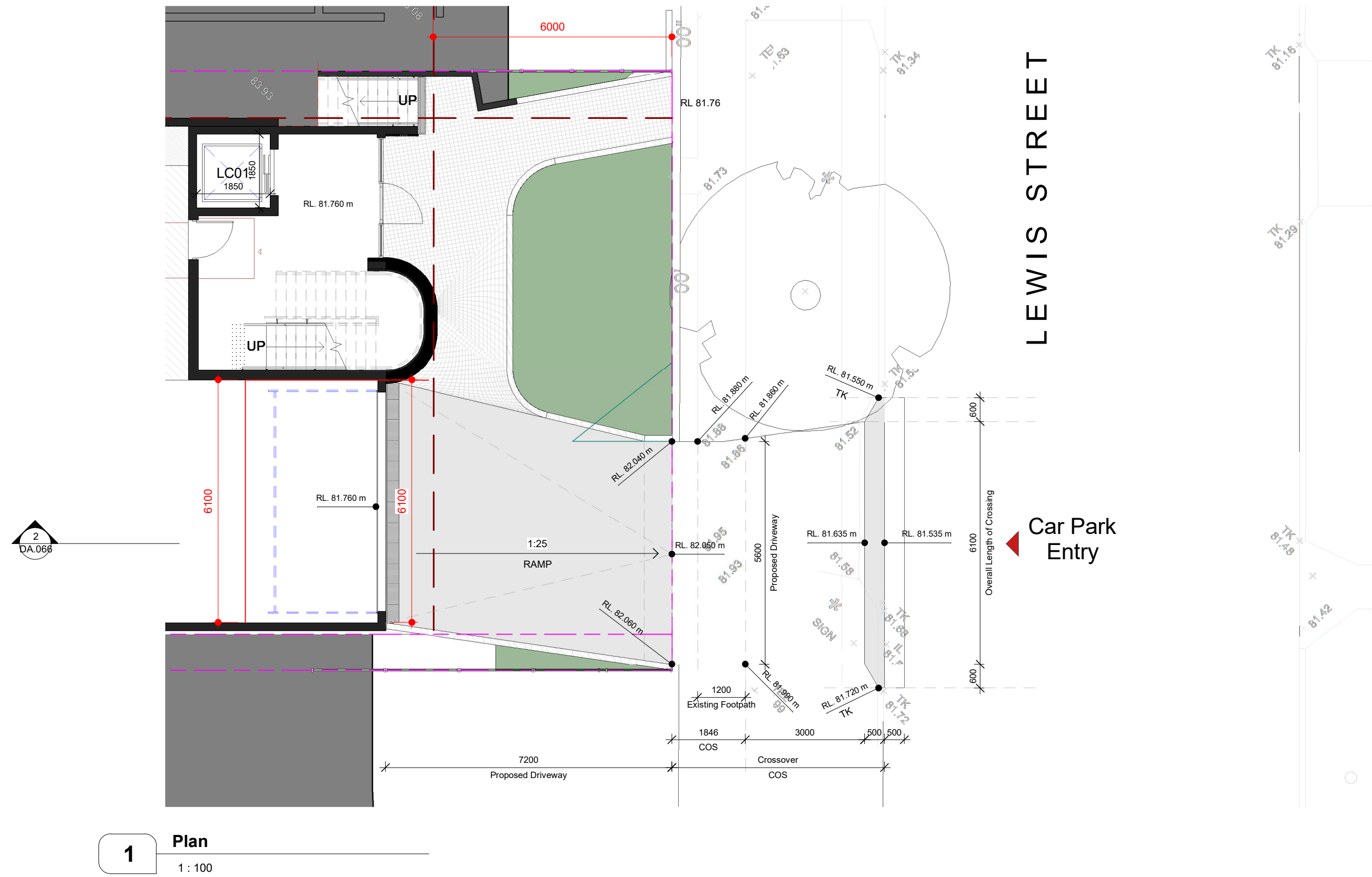
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Rev	Description	Date
A	Issue for Development Application	17.12.2020

D:\NJA Local Files\BVR00120 Lewis 8\BVR00120 DA 201114 GT Local.rvt		JOB No.	BVR00120
TITLE	8.5mtr Height Blanket	DATE	December 2020
		SCALE	A1 @ 1 : 100
		DWG No.	DA.065 A



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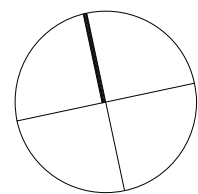
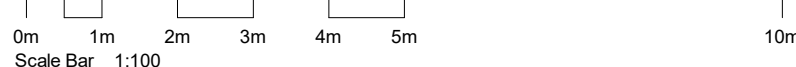
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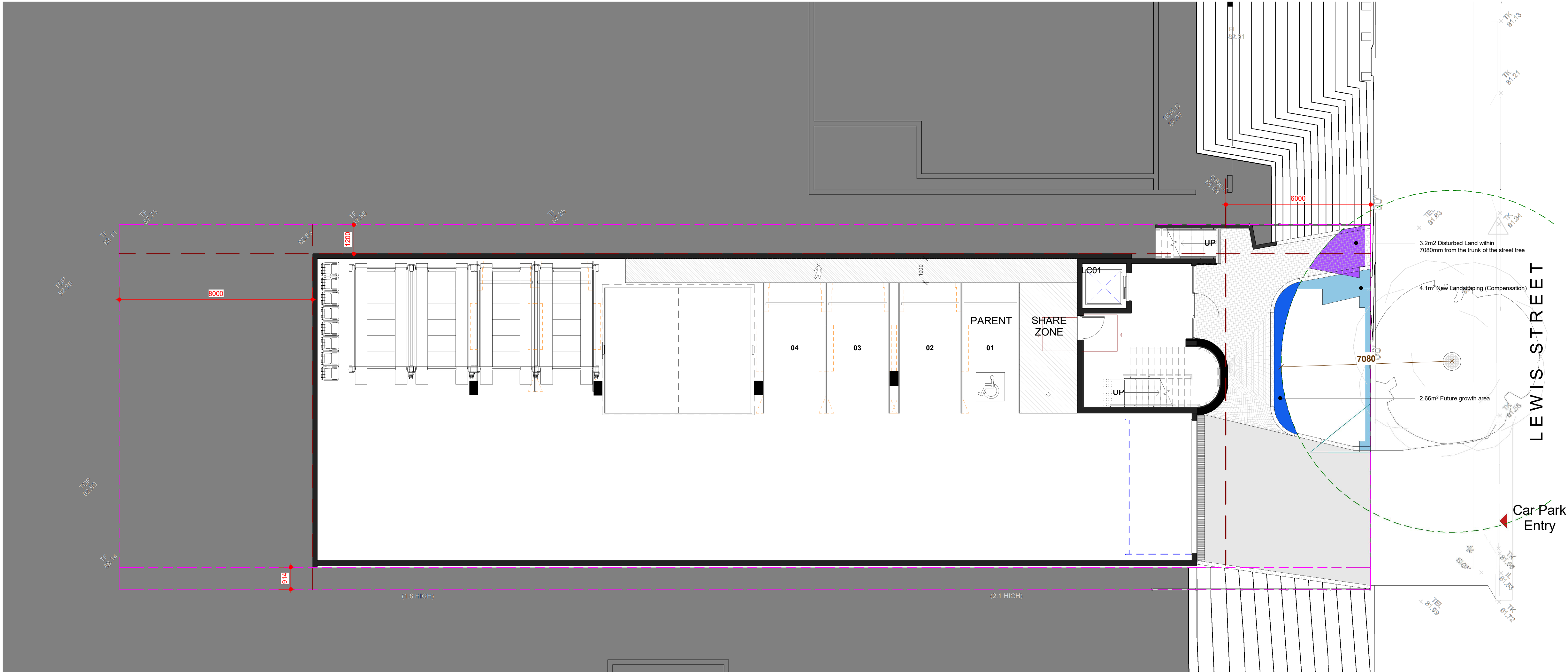
Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE

Driveway Section

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1 : 100
DWG No.	DA.066 A



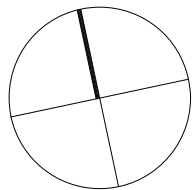
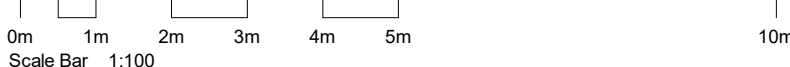
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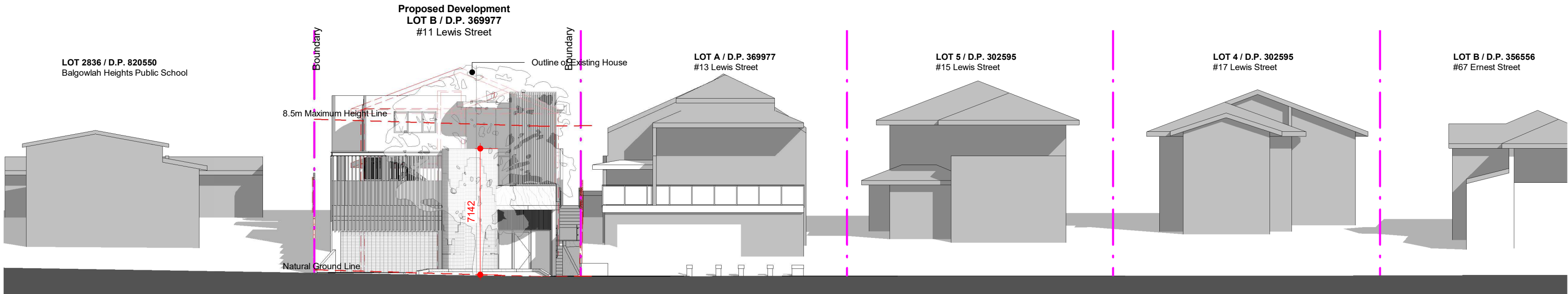
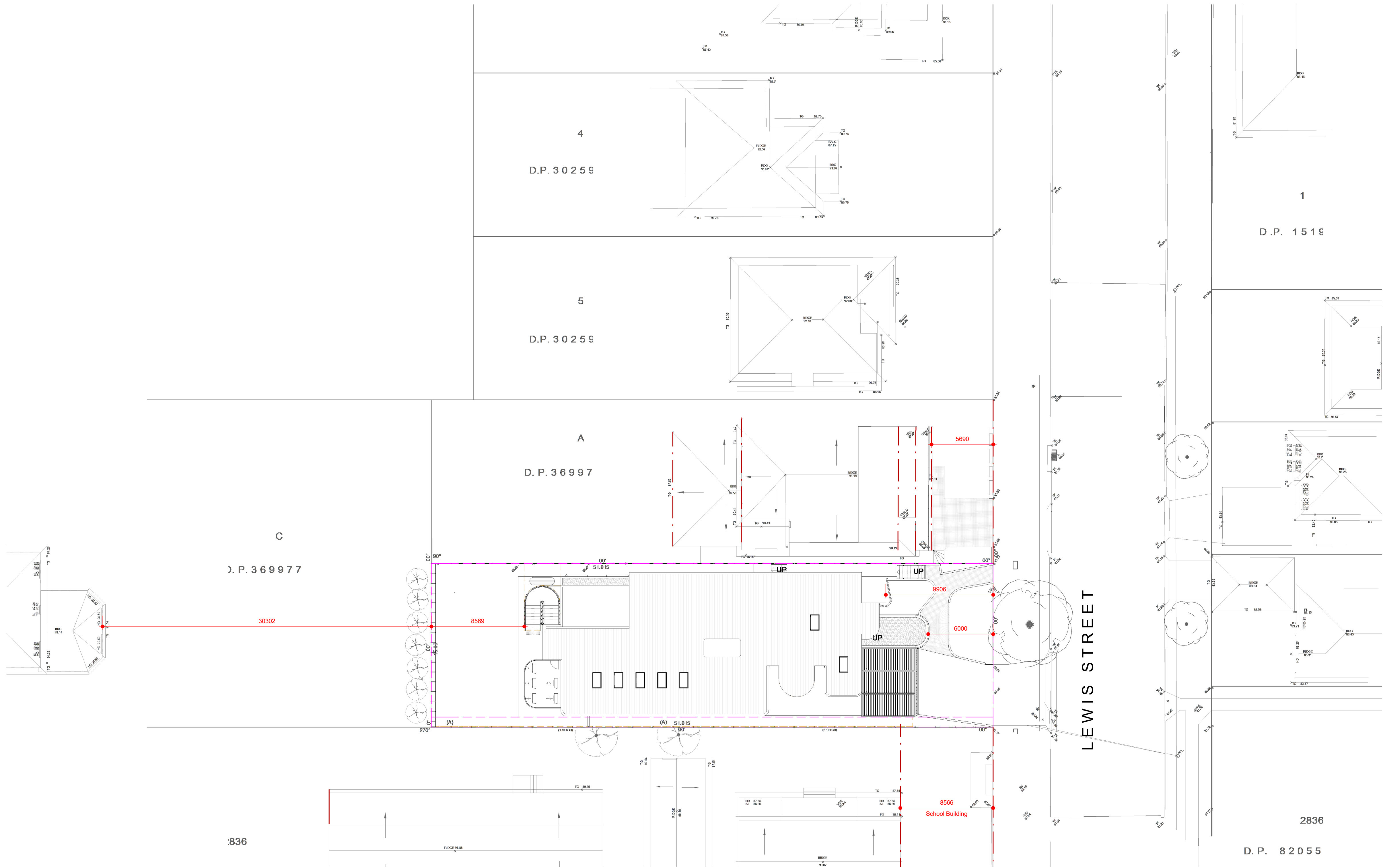
Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE

Tree Protection Plan

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1:100
DWG No.	DA.070 A



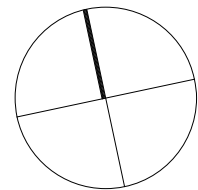
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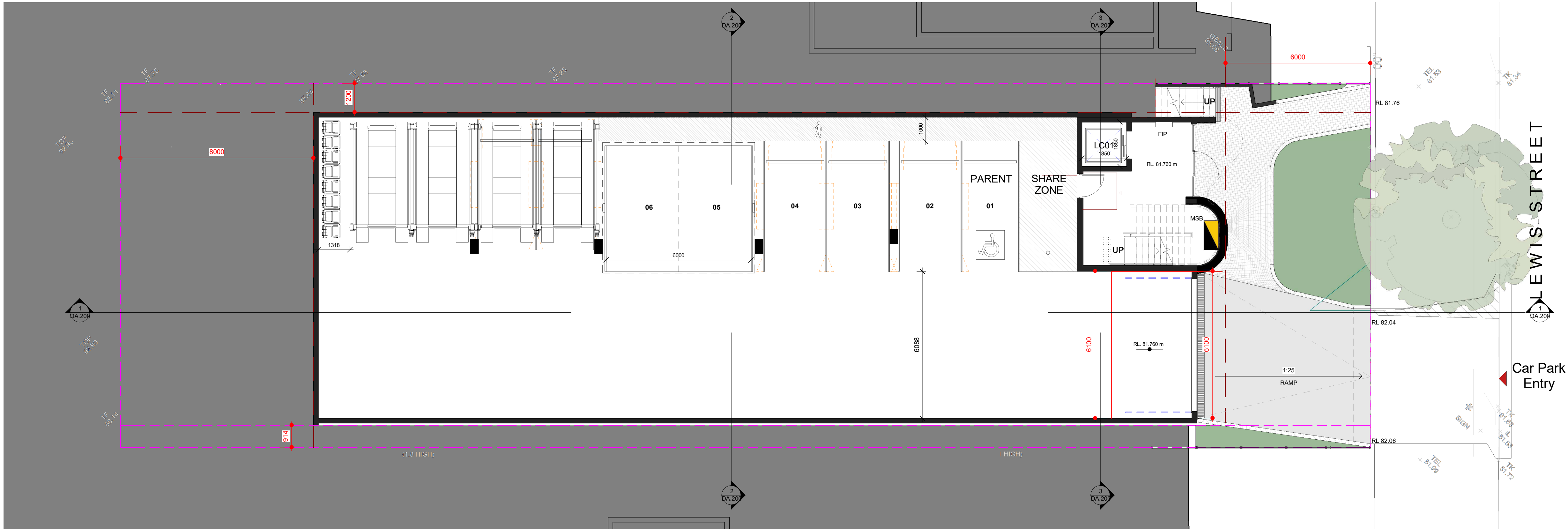
Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE	Prevailing Building Line Plan and Elevation
JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ As indicated
DWG No.	DA.080 A

Landscape. Refer to
Landscape architecture
Plans

Storm Water. Refer to Civil
engineer plans



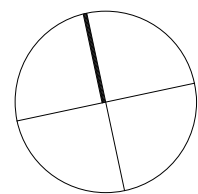
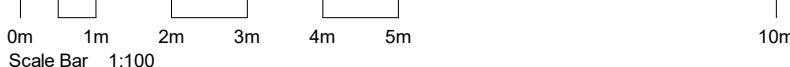
General Notes:

Architectural Drawings To Be Read In Conjunction With
All Other Design Consultants Detailed Drawings,
Reports And Specifications.

Site Survey Carried Out Cibar Surveying - Refer To
Drawing - Ref. No: 20148_LD Date 06.11.2020
All Levels Indicated Taken To Australian Height Datum
(AHD)
Levels Prefixed With "RL" Are Interpreted From Existing
Survey Information, Final Levels To Be Determined On
Detail Review Of Existing Footpath Levels

All Dimensions to Be Verified On Site (VOS) Prior To
Construction / Manufacture. Refer All Discrepancies To
Nordon Jago Architects Pty. Ltd. -

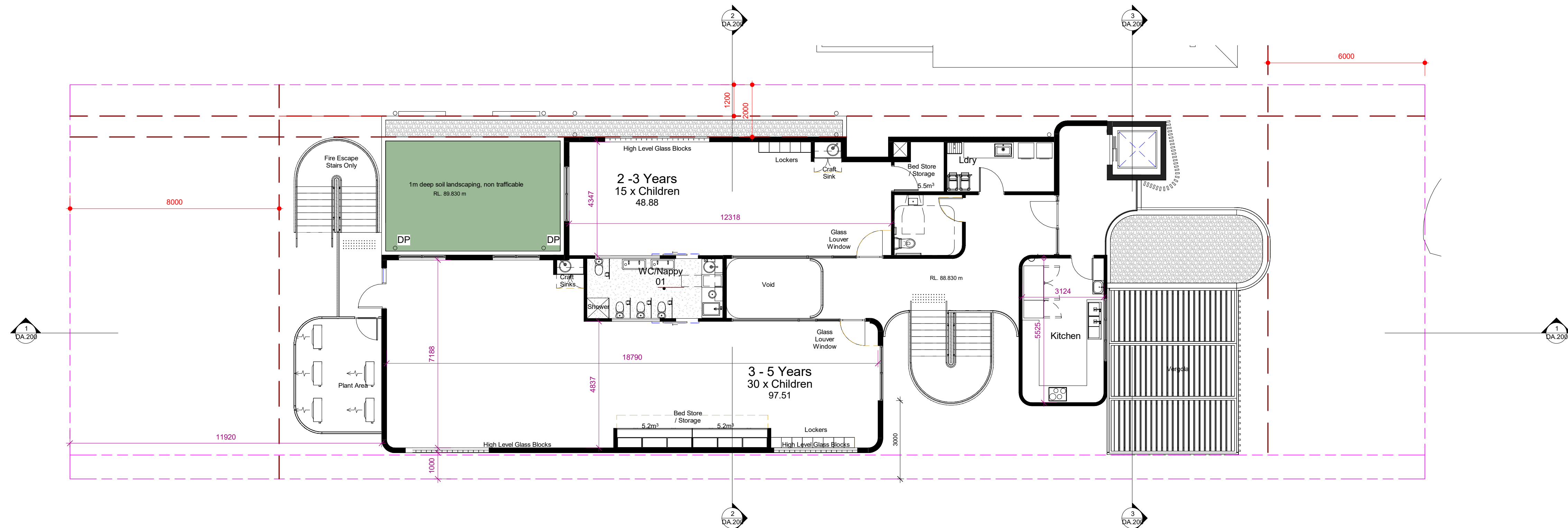
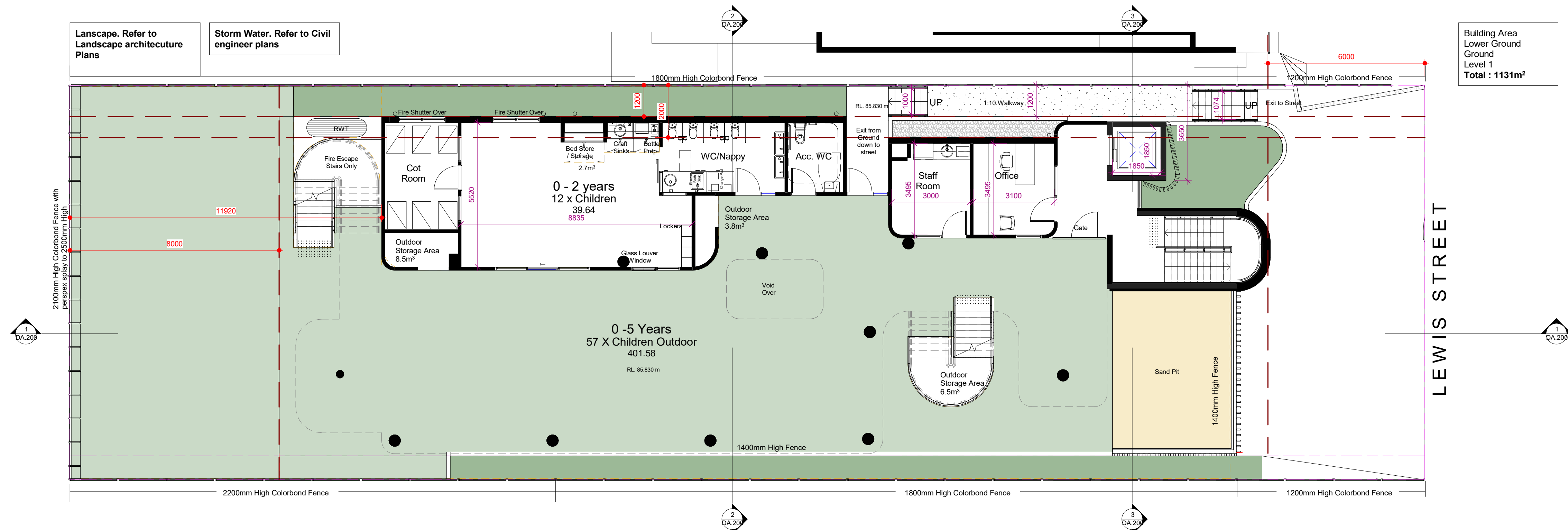
Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE

Proposed Lower Ground

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1:100
DWG No.	DA.100 A



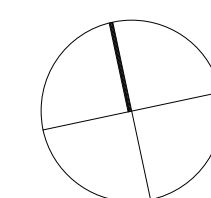
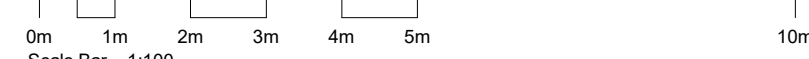
General Notes:

Architectural Drawings To Be Read In Conjunction With All Other Design Consultants Detailed Drawings, Reports And Specifications.

Site Survey Carried Out Cibar Surveying - Refer To Drawing - Ref. No: 20148_LD Date 06.11.2020
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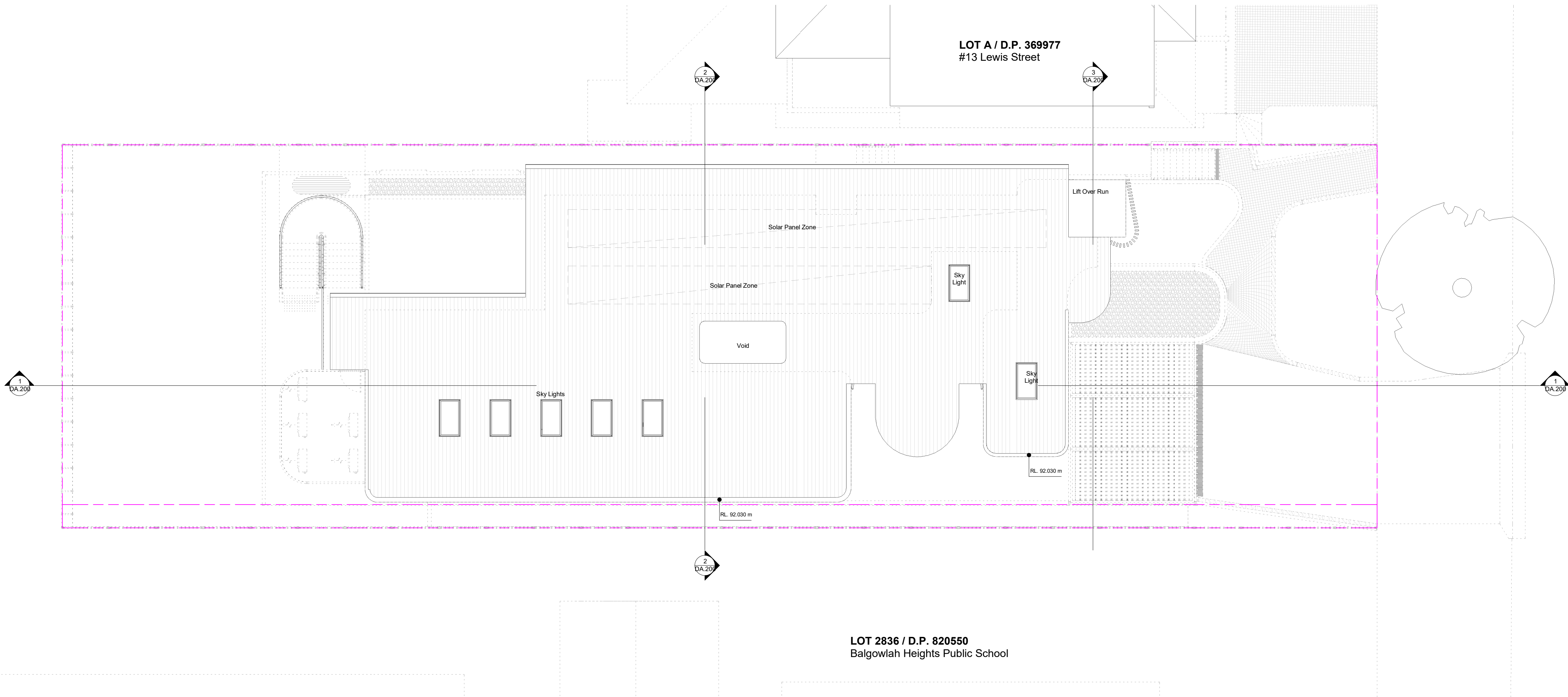
Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE

Proposed Ground and Level 1 Plans

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1:100
DWG No.	DA.101 A



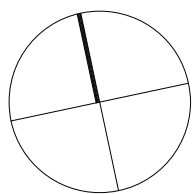
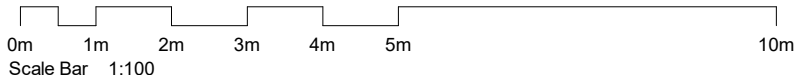
General Notes:

Architectural Drawings To Be Read In Conjunction With All Other Design Consultants Detailed Drawings, Reports And Specifications.

Site Survey Carried Out Cibar Surveying - Refer To Drawing - Ref. No: 20148_LD Date 06.11.2020
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Rev	Description	Date
A	Issue for Development Application	17.12.2020

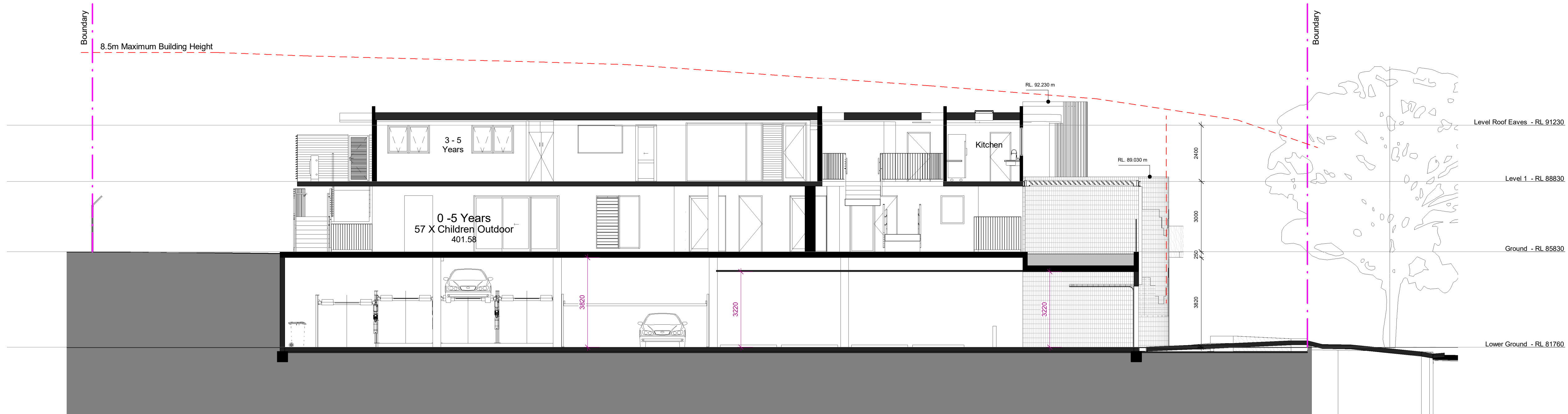


TITLE

Proposed Roof Plan

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1 : 100
DWG No.	

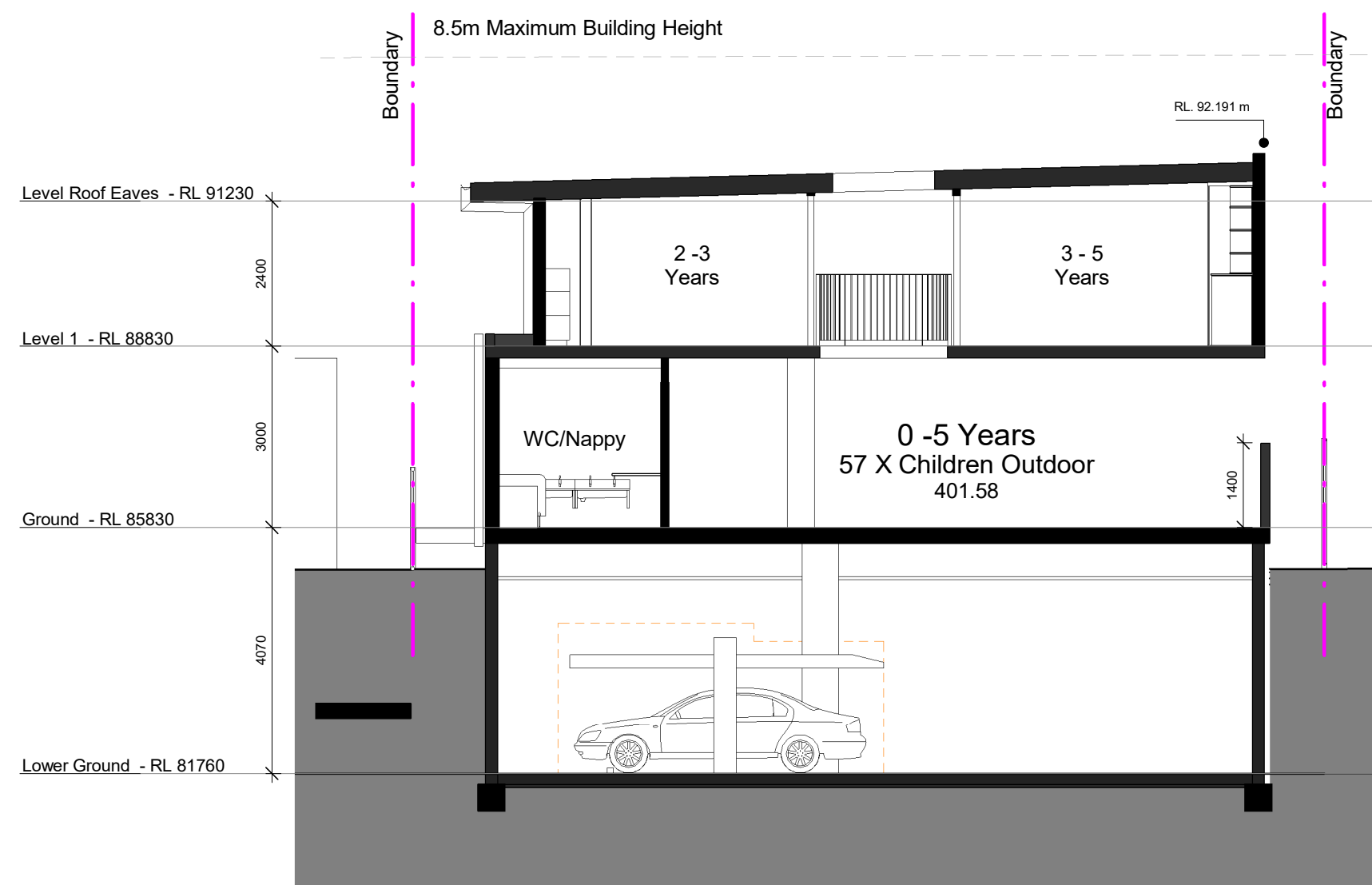
DA.190 A



1

Section A-A

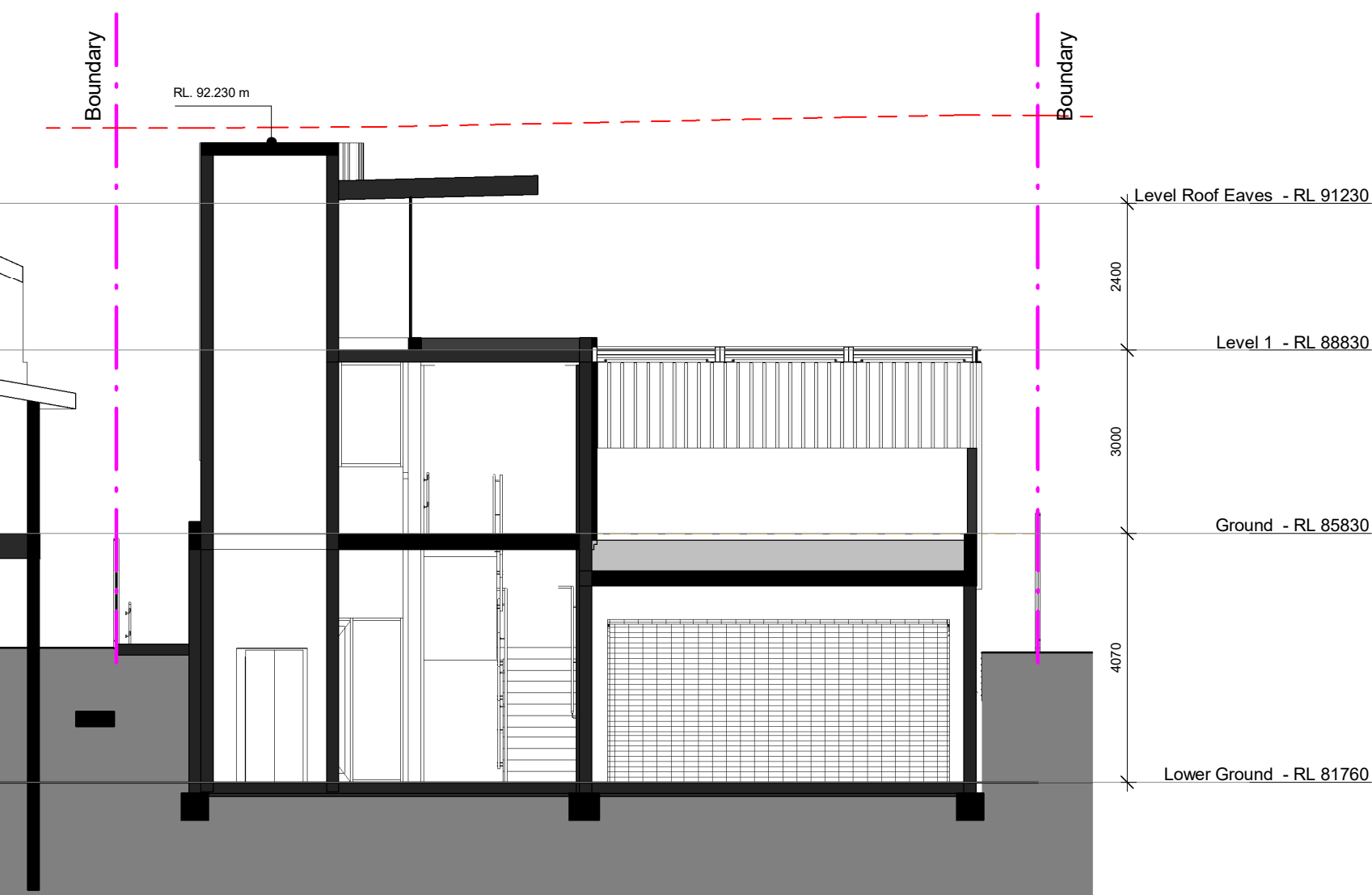
1 : 100



2

Section B-B

1 : 100



3

Section C-C

1 : 100

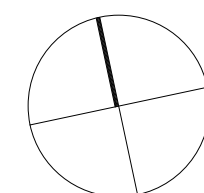
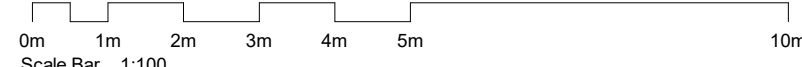
General Notes:

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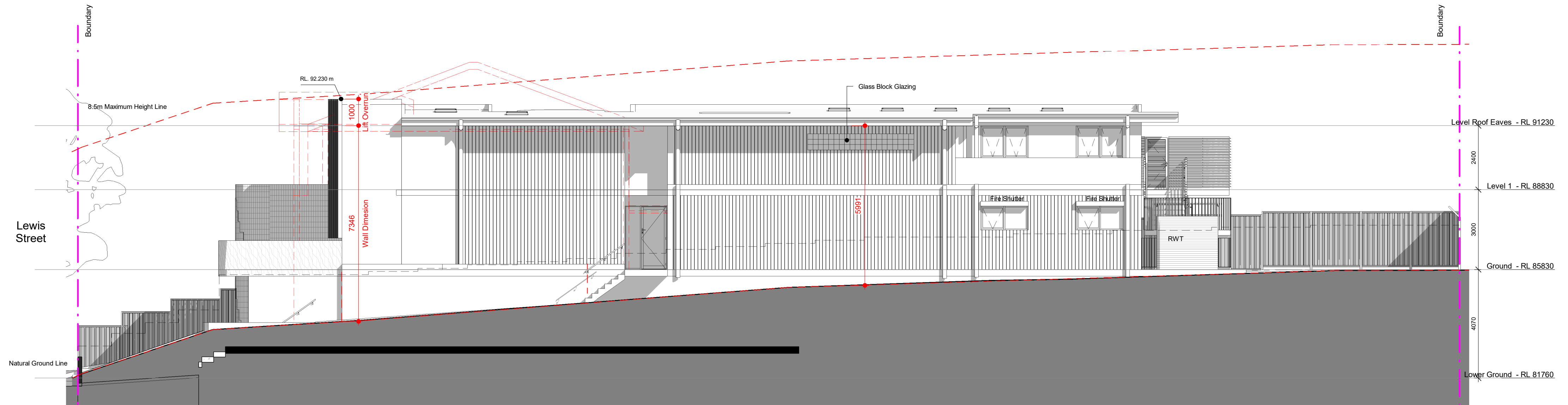
Rev	Description	Date
A	Issue for Development Application	17.12.2020



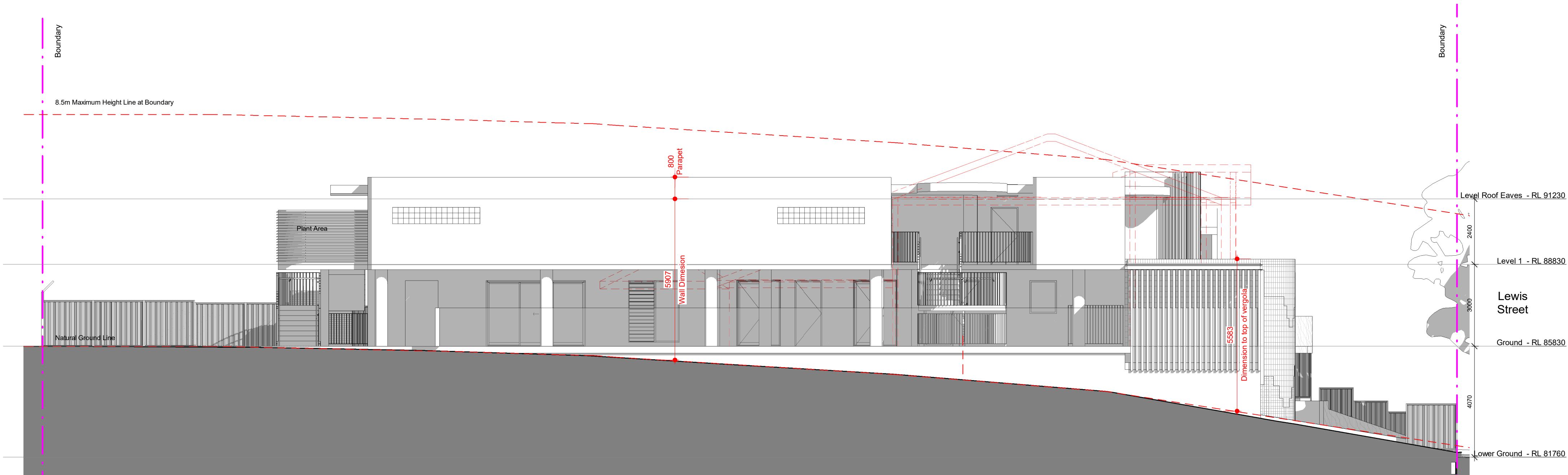
TITLE

Proposed Sections

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1 : 100
DWG No.	DA.200 A



2 Proposed Northern Elevation
1 : 100



4 Proposed Southern Elevation
1 : 100

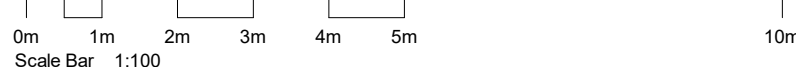
General Notes:

Architectural Drawings To Be Read In Conjunction With All Other Design Consultants Detailed Drawings, Reports And Specifications.

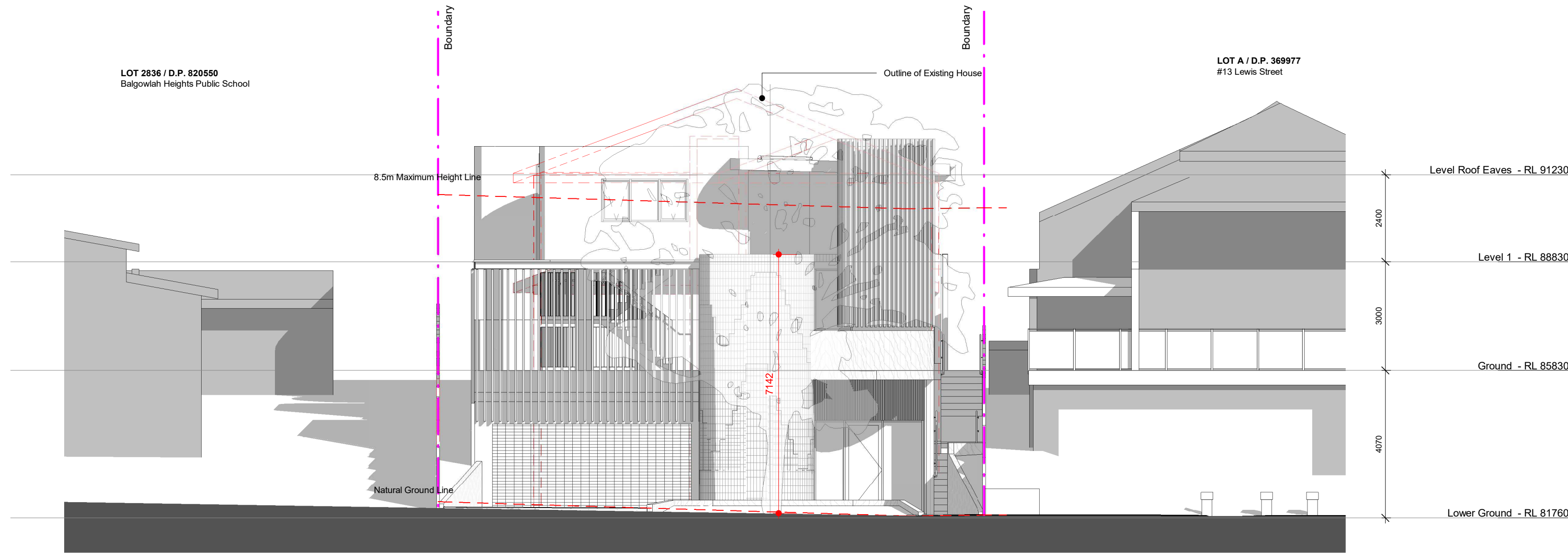
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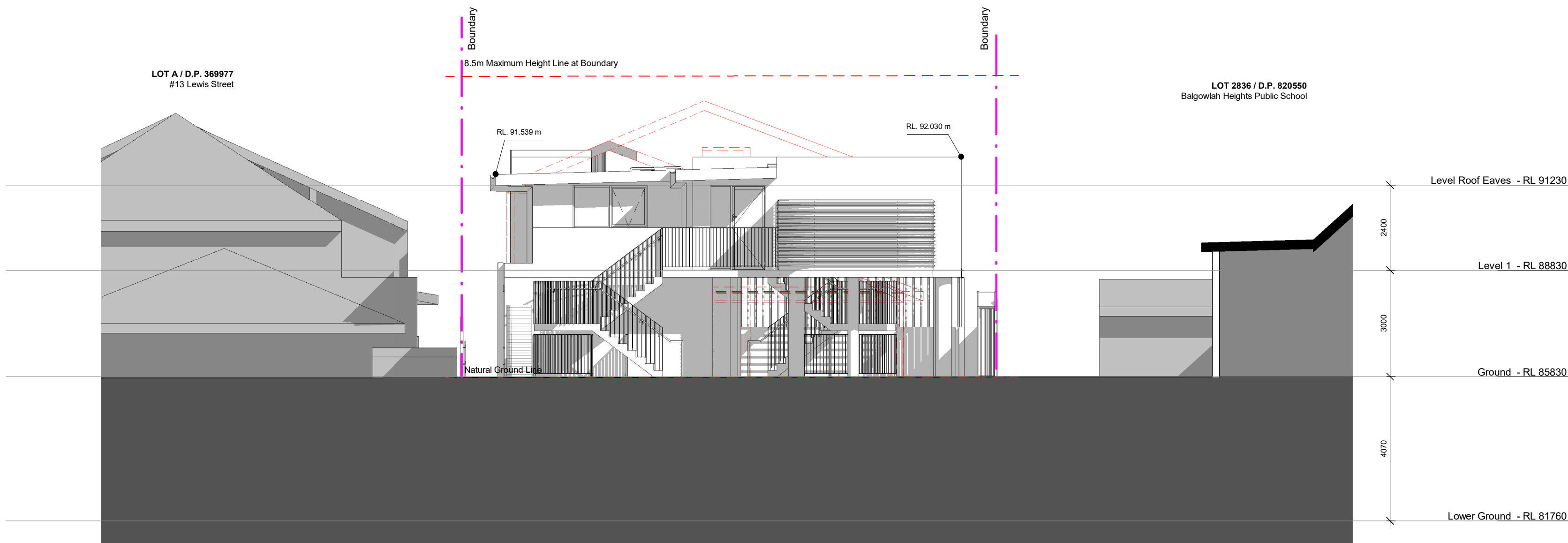
Rev	Description	Date
A	Issue for Development Application	17.12.2020



JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ 1 : 100
DWG No.	DA.300 A



1 Proposed Eastern Elevation
1 : 100



2 Proposed Western Elevation
1 : 100

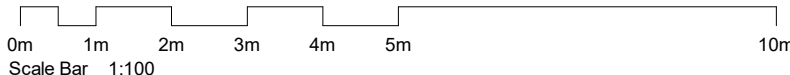
General Notes:

Architectural Drawings To Be Read In Conjunction With All Other Design Consultants Detailed Drawings, Reports And Specifications.

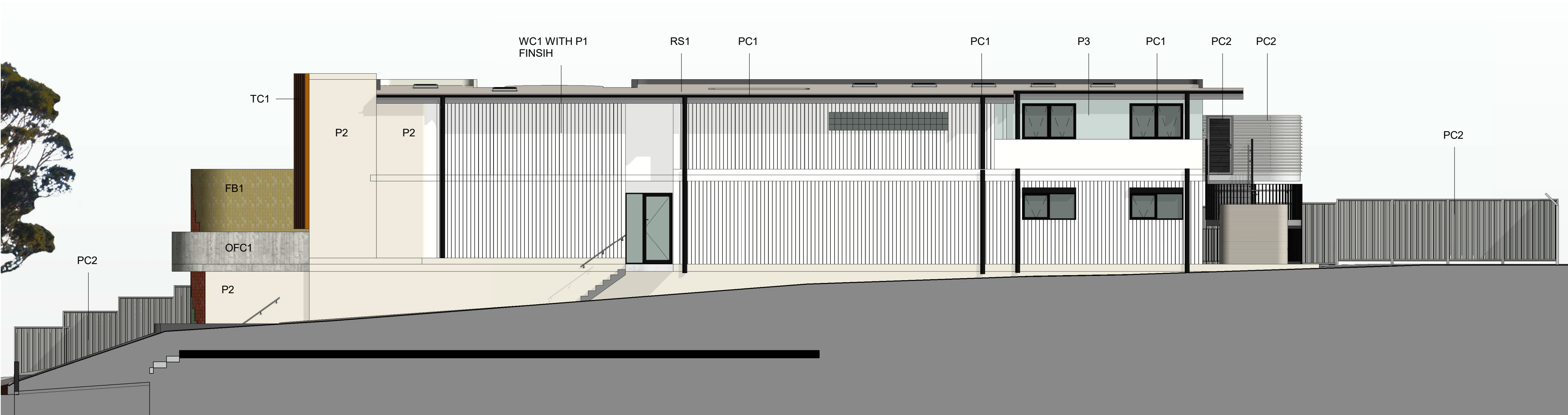
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Rev	Description	Date
A	Issue for Development Application	17.12.2020



D:\NJA Local Files\BVR00120 Lewis\BVR00120 DA 201114 GT Local.rvt		JOB No.	BVR00120
TITLE		DATE	December 2020
		SCALE	A1 @ 1 : 100
		DWG No.	DA.301 A
Proposed Elevations			



1 Proposed Eastern Elevation
1 : 100

2 Proposed Northern Elevation
1 : 100

MATERIAL PALETTE

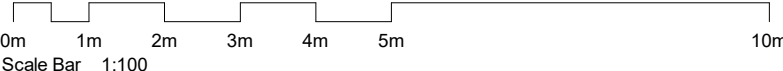
General Notes:

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Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE	Proposed Finishes - Sheet 1	JOB No.	BVR00120
		DATE	December 2020
		SCALE	A1 @ As indicated
		DWG No.	DA.900 A

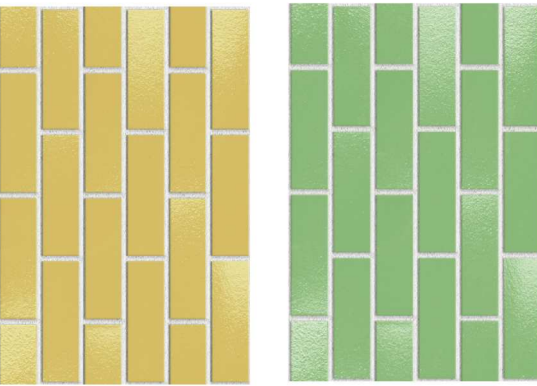


1 Proposed Western Elevation
1 : 100

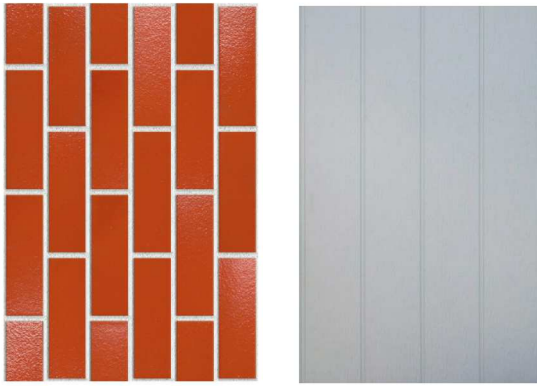


2 Proposed Southern Elevation
1 : 100

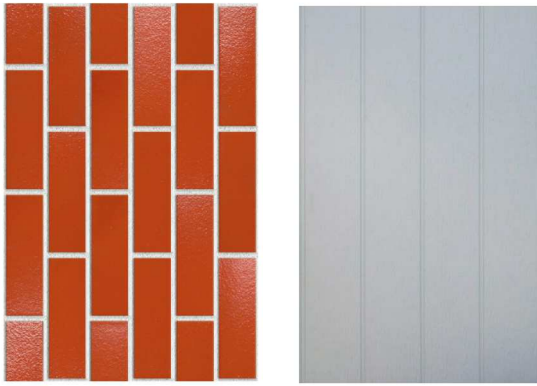
MATERIAL PALETTE



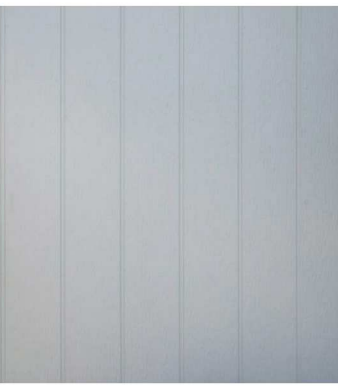
FB1 :PGH :
Corium Brick System
215 x 65 mm
Mortar col. white
7787E



FB2 :PGH :
Corium Brick System
215 x 65 mm
Mortar col. white
8104E



FB3 :PGH :
Corium Brick System
215 x 65 mm
Mortar col. white
41020E



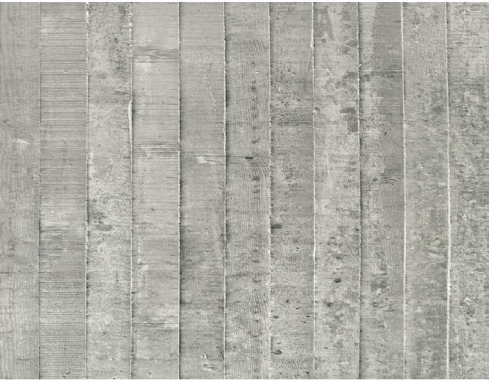
WC1 :Wall Cladding
James Hardie - Axon 133mm



TC1 : Covelet : Ever Art Wood
Kabebari 50x100mm
Colour : Pain



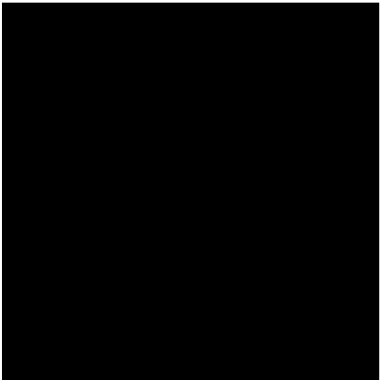
OFC1 : Off Form concrete with timber grain



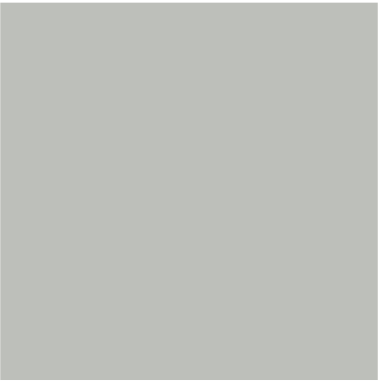
RS1 : Lysaght Kliplok
Colorbond Dune



PC1 : Prefinished Glazed Windows
and Doors / Down Pipe/ Roller Door
Frame Dulux Zeus Black



PC2 : Prefinished Louvers,
Colorbond fence, Vergola and PFC
frames:
Dulux Shale Grey



PC3 : Prefinished Roof Flashings
Dulux Colorbond Dune



P1 : Paint finish to WC1 and
acrylic render to FC :
Dulux Summer Cloud Quarter

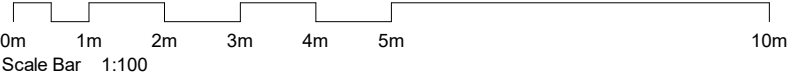


P2 :Paint finish to Concrete walls
acrylic render to FC :
Dulux Natural White



P3 :Paint finish to acrylic render to
FC :
Dulux Roland

Rev	Description	Date
A	Issue for Development Application	17.12.2020



TITLE

Proposed Finishes - Sheet 2

JOB No.	BVR00120
DATE	December 2020
SCALE	A1 @ As indicated
DWG No.	

DA.901 A

General Notes:

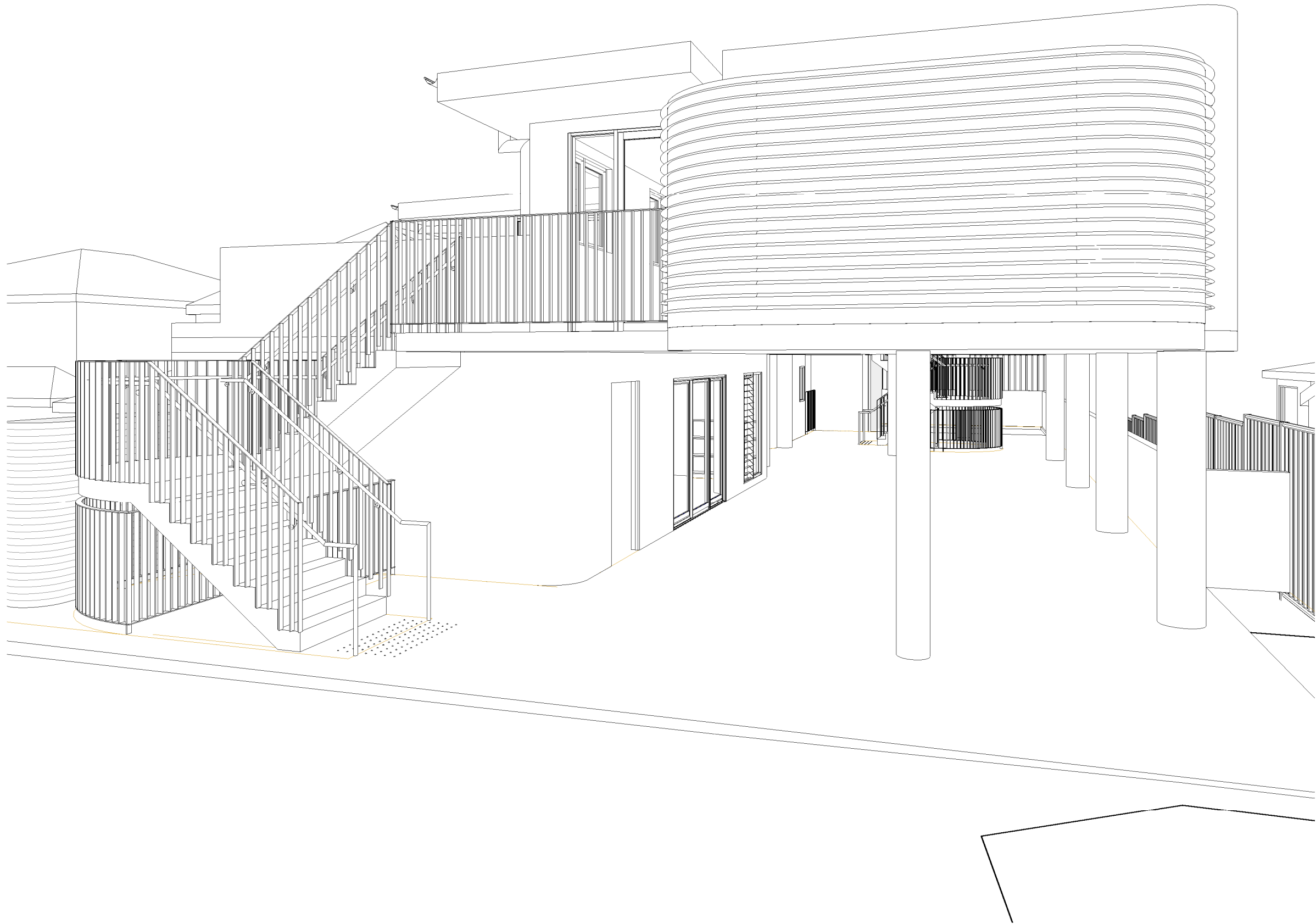
Architectural Drawings To Be Read In Conjunction With All Other Design Consultants Detailed Drawings, Reports And Specifications.

Site Survey Carried Out Cibar Surveying - Refer To Drawing - Ref. No: 20148_LD Date 06.11.2020
All Levels Indicated Taken To Australian Height Datum (AHD)
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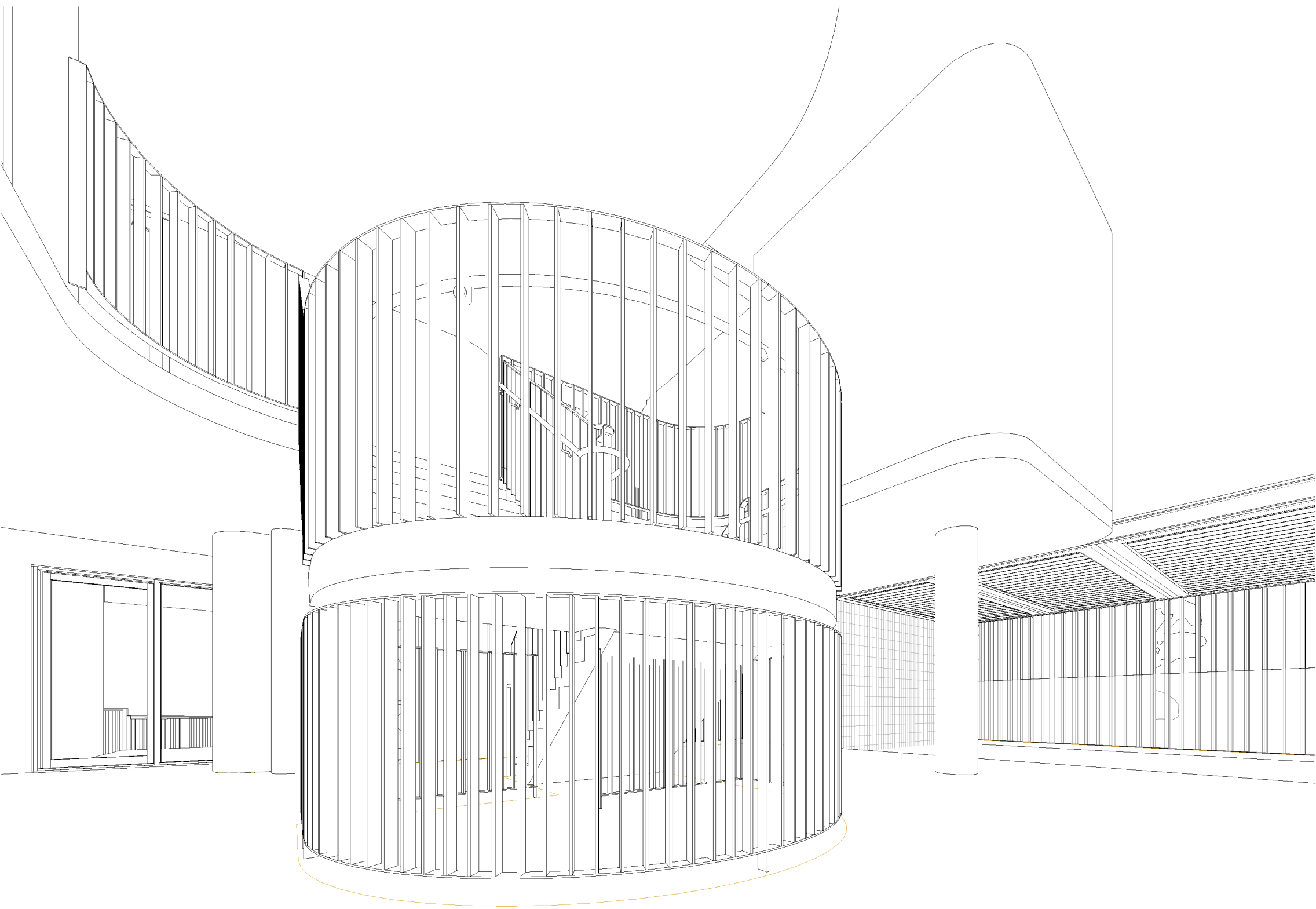
All Dimensions to Be Verified On Site (VOS) Prior To Construction / Manufacture. Refer All Discrepancies To Nordon Jago Architects Pty. Ltd. -



1 3D view



2 3D view



3 3D view

General Notes:

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Site Survey Carried Out Cibar Surveying - Refer To Drawing - Ref. No: 20148_LD Date 06.11.2020
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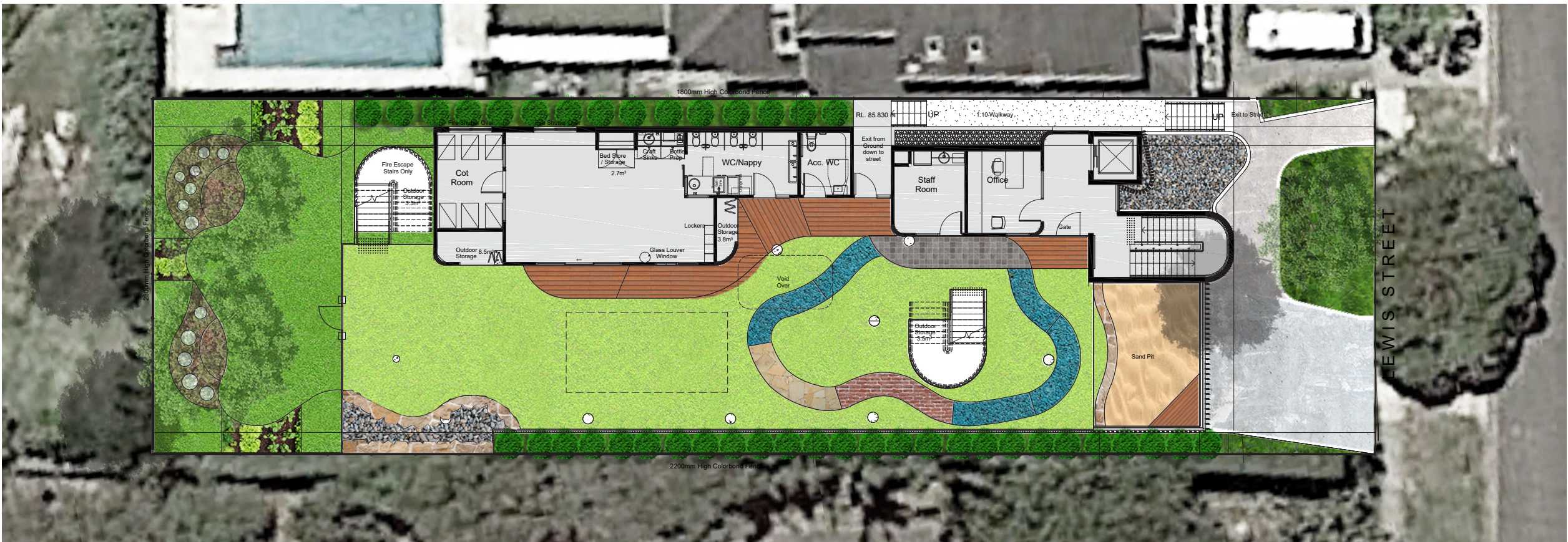
Rev	Description	Date
A	Issue for Development Application	17.12.2020

TITLE	D:\NJA Local Files\BVR00120 Lewis 8\BVR00120 DA 201114 GT Local.rvt		JOB No.	BVR00120
			DATE	December 2020
			SCALE	A1 @ 1 : 100
			DWG No.	
				DA.902 A

11 LEWIS STREET BALGOWLAH HEIGHTS

LANDSCAPE CONCEPT PLAN

DEVELOPMENT APPLICATION



100 SITE PLAN
1:200

GENERAL NOTES

INITIAL PREPARATION: SHALL MEAN ALL PRELIMINARIES AND ALL PREPARATION WORKS AS NECESSARY. COMMENCEMENT OF WORK BY LANDSCAPE CONTRACTOR (HEREIN AFTER REFERRED TO AS 'CONTRACTOR') SHALL BE DEEMED AS PROOF OF CONTRACTORS ACCEPTANCE OF EXISTING CONDITION OF SITE. NO WORK SHALL BE CARRIED OUT UNTIL ALL UNDERGROUND SERVICES HAVE BEEN IDENTIFIED AND ACCURATELY LOCATED AND PEGGED BY CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO COMMENCEMENT OF WORK. ANY DAMAGE REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.

DO NOT SCALE FROM DRAWINGS. USE FIGURED DIMENSIONS ONLY. VERIFY ALL DIMENSIONS ONSITE BEFORE THE COMMENCEMENT OF ANY WORKS.

ALL WORK ON THIS SITE SHALL COMPLY WITH APPROPRIATE AND CURRENT AUSTRALIAN STANDARDS AND BCA. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM SITE OF ALL RUBBISH AND DEBRIS ENCOUNTERED IN AREAS TO BE LANDSCAPED.

USE HARDWOOD TIMBER ONLY & TREATED FOR DURABILITY CLASS 1, H4 FOR IN GROUND USE, H3 OTHERWISE. ALL HARDWOOD PLAY EQUIPMENT AND HARDWOOD SURFACES TO BE SANDED BACK, TO ENSURE NO SPLINTERS OR SHARP EDGES FOR A SMOOTH FINISH. TIMBER MUST HAVE MINIMUM FOUR COATS, EQUAL TO SIKKENS SADO LINE CLEAR HARDWOOD OIL.

CONTRACTOR SHALL BE RESPONSIBLE FOR WATERPROOFING AND DRAINAGE OF ALL LANDSCAPE AREAS. A 40MM DEPTH DRAINAGE LAYER OF DRAINCELL ® SHALL BE PLACED ON BASE OF ALL ON-STRUCTURE PLANTED AREAS WITH GEOTEXTILE FILTRATION LAYER AS SPECIFIED. THE GEOTEXTILE SHALL BE PROTECTED BY A 100MM LAYER OF COARSE SAND AS SPECIFIED.

IMPORTED TOPSOIL AS SPECIFIED SHALL BE SPREAD TO THE SITE AS FOLLOWS:
- ON STRUCTURE PLANTING BEDS & RAISED PLANTERS 3 PLANTER BOX MIX AS SPECIFIED MOUNDED HIGHER WHERE POSSIBLE.

A FULLY AUTOMATIC DRIPLINE IRRIGATION SYSTEM SHALL BE INSTALLED TO ALL PLANTER BOXES AND PLANTING BEDS. IRRIGATION SHALL CONFORM TO AS3500 AND ACT WATER REGULATIONS AS SPECIFIED.

AUSTRALIAN STANDARDS

ALL MATERIALS WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT STANDARDS OF THE STANDARDS ASSOCIATION OF AUS.

ALL CIVIL, STRUCTURAL, AND HYDRAULIC WORK ASSOCIATED TO THIS PROJECT SHALL BE TO CONSULTING ENGINEERS DETAILS. DRAINAGE DETAILS AND WATER PLAY FEATURE DETAILS SHALL BE SUBJECT TO THE HYDRAULIC ENGINEERS SPECIFICATIONS.

NO RESPONSIBILITY WILL BE TAKEN BY GREENSCAPE DESIGN + ASSOCIATES FOR ANY VARIATIONS IN DESIGN, CONSTRUCTION METHOD, MATERIAL SPECIFIED AND GENERAL SPECIFICATIONS WITHOUT PERMISSION FROM THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.

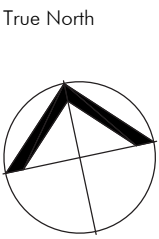
WRITTEN DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED MEASUREMENTS, ALL DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR ON SITE AND INITIAL SET OUT APPROVED BY LANDSCAPE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF WORK, IF IN DOUBT CONTACT LANDSCAPE ARCHITECT.

EXACT LOCATION OF SITE BOUNDARIES TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORK.

DRAWING REGISTER

Dwg no.	Drawing Title	Size	Scale	Revision
DA_00	Site Context & Cover Page	A1	AS NOTED	A
DA_01	Landscape Master Plan	A1	1:100	A
DA_02	Landscape Deep Soil Plan	A1	1:100	A
DA_03	Landscape Detail Sheet	A1	AS NOTED	A
DA_04	Precedent Image & Plant Palette	A3	N/A	A

For	Description	Date
DA	DEVELOPMENT APPLICATION	16.12.2020
Job Number:	Drawing Number:	Issue
LA 201201	DA 00	A
		DM
		DB



Project:
NEW CHILDCARE CENTRE
11 LEWIS STREET BALGOWLAH HEIGHTS

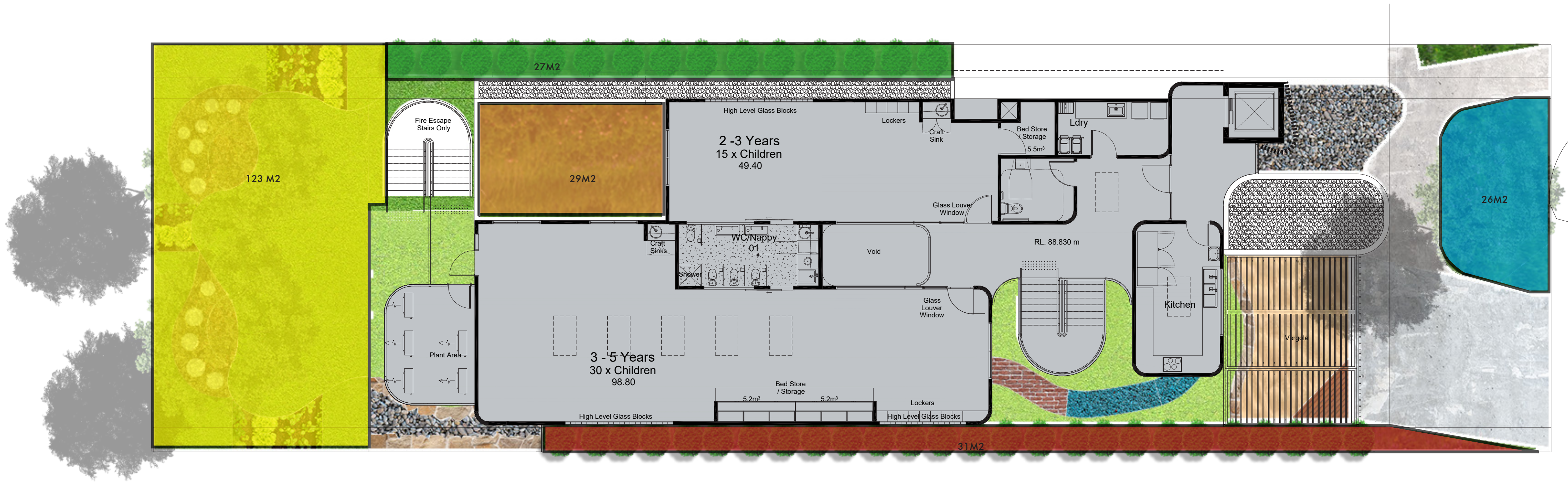
Drawing Name:
COVER PAGE AND SITE CONTEXT

DRAWING NOT FOR CONSTRUCTION



GREENSCAPE®
Landscape Architecture + Design

22/686 NEW SOUTH HEAD ROAD, ROSE BAY 2029
e. info@greenscapedesign.com.au



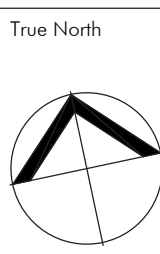
LEGEND

- AREA 1 26M2
- AREA 2 27M2
- AREA 3 31M2
- AREA 4 29M2
- AREA 5 123 M2

TOTAL 226 M2

LANDSCAPE DEEP SOIL PLAN
1:100

For	Description	Date
DA	DEVELOPMENT APPLICATION	16.12.2020
Job Number: LA 201201	Drawing Number: DA 02	Issue: A
		DM DB

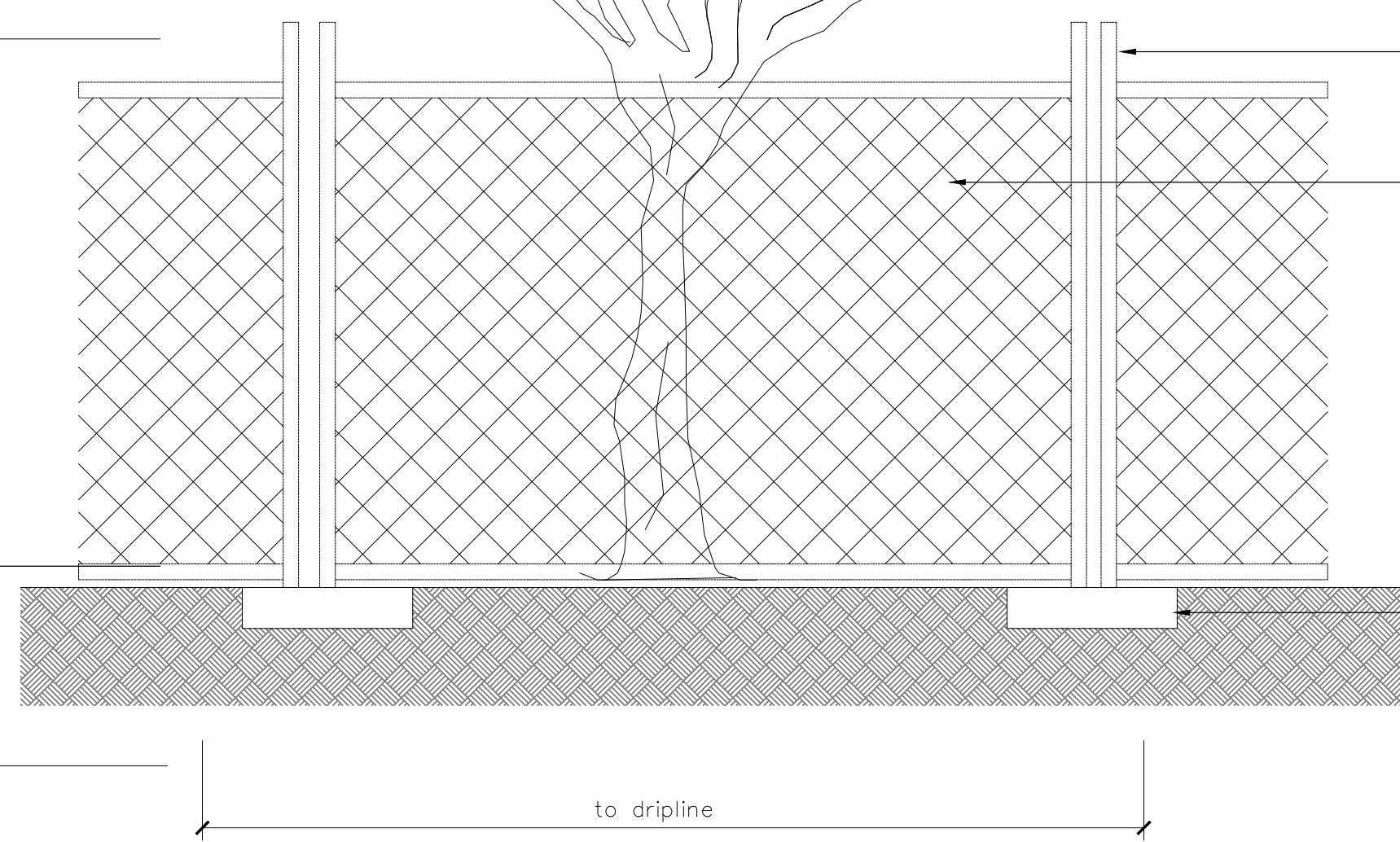


Project:
PROPOSED NEW CHILDCARE CENTRE
11 LEWIS STREET BALGOWLAH HEIGHTS
Drawing Name:
Landscape Deepsoil Plans
DRAWING NOT FOR CONSTRUCTION

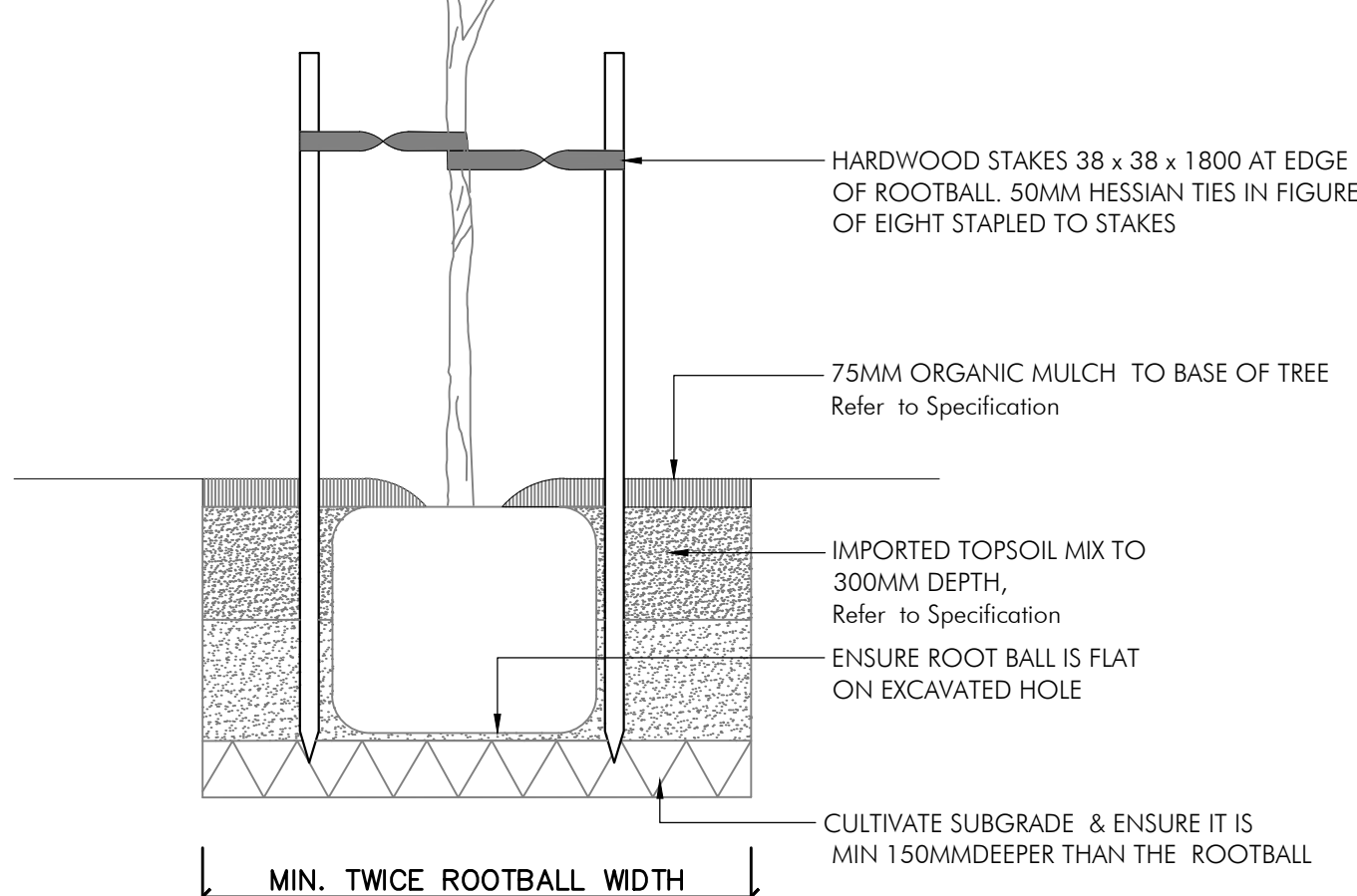


GREENSCAPE
Landscape Architecture + Design

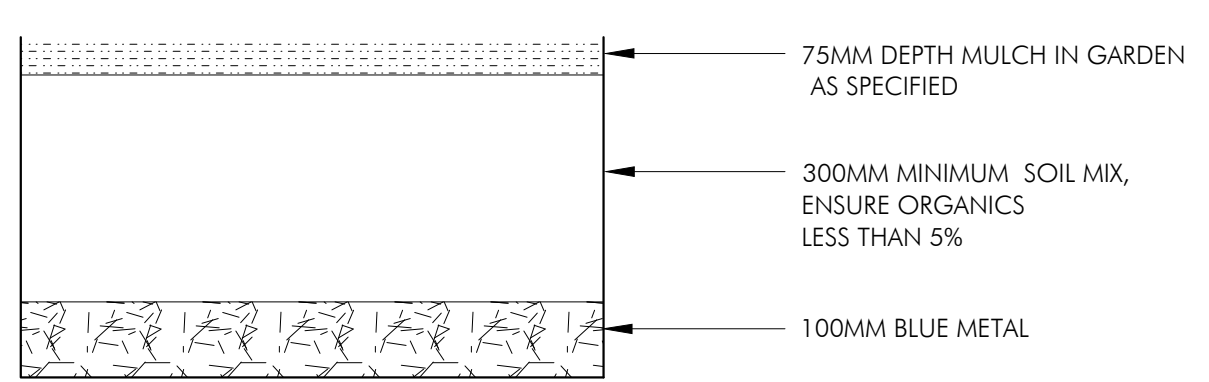
22/686 NEW SOUTH HEAD ROAD, ROSE BAY 2029 e. info@greenscapedesign.com.au



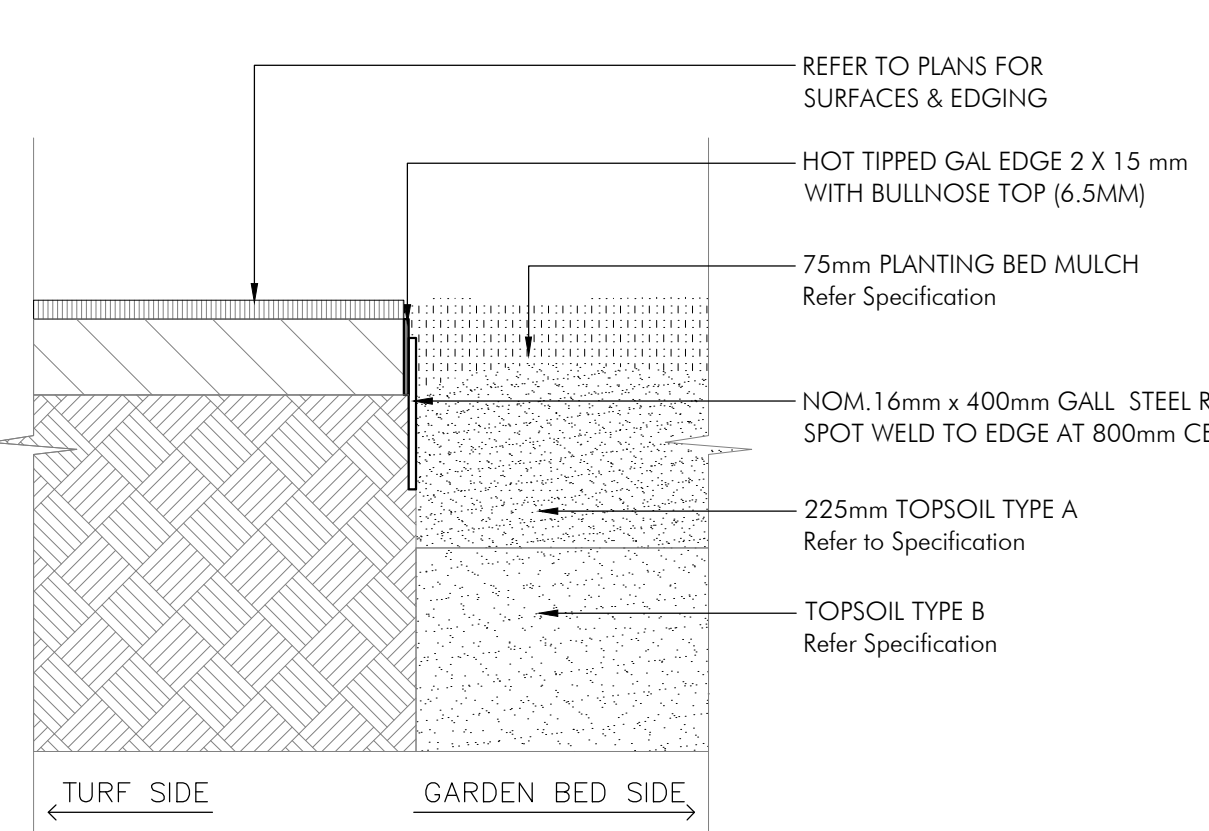
01 TREE PROTECTION
SCALE 1:20



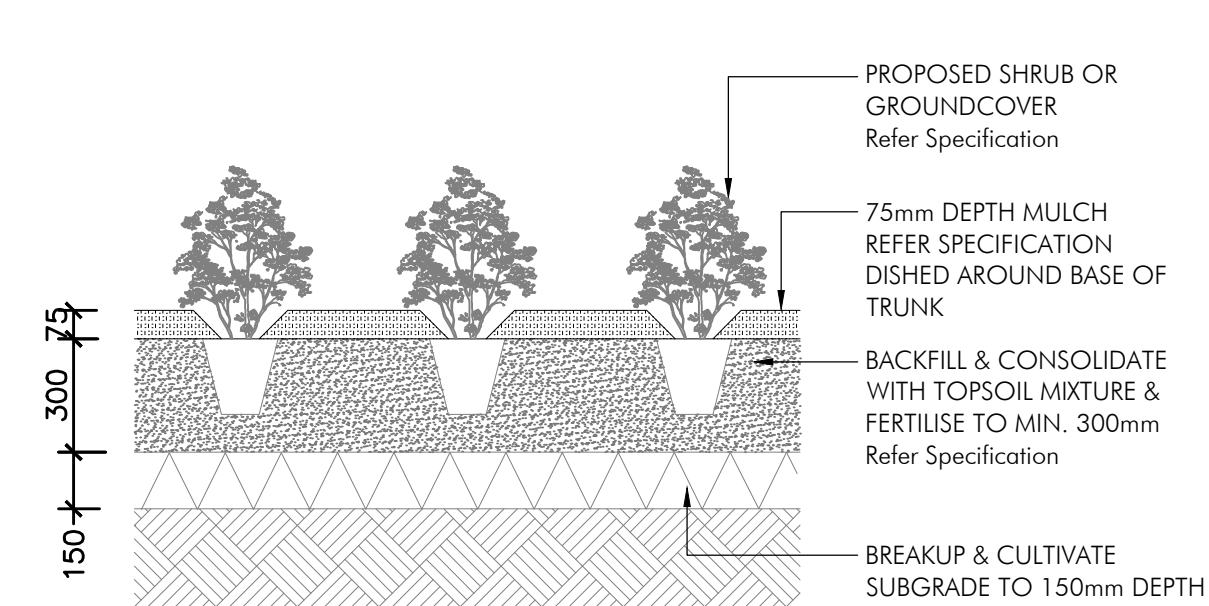
02 TREE PLANTING 75-100L
SCALE 1:20



03 TYPICAL FIBRE GLASS TROUGH/PLANTER BOX DETAIL
SCALE 1:10 at A1, 1:20 at A3



04 TYPICAL MILD STEEL EDGE
SCALE 1:10 at A1, 1:20 at A3



05 SHRUB OR GROUND COVER IN PLANTING BED
SCALE 1:20

LANDSCAPE SPECIFICATION

1.0 INITIAL PREPARATION: SHALL MEAN ALL PRELIMINARIES AND ALL PREPARATION WORKS AS NECESSARY. COMMENCEMENT OF WORK BY LANDSCAPE CONTRACTOR SHALL BE DEEMED AS PROOF OF CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITION OF SITE. NO WORK SHALL BE CARRIED OUT UNTIL ALL UNDERGROUND SERVICES HAVE BEEN IDENTIFIED AND ACCURATELY LOCATED AND PEGGED BY CONTRACTOR.

ALL WORK ON THIS SITE SHALL COMPLY WITH APPROPRIATE AND CURRENT AUSTRALIAN STANDARDS AND BCA. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM SITE OF ALL RUBBISH AND DEBRIS ENCOUNTERED IN AREAS TO BE LANDSCAPED.

1.0 EARTHWORKS

SHALL MEAN:

EXCAVATION AND EARTHWORKS AS NECESSARY

CONTRACTOR SHALL UNDERTAKE WORKS AS NECESSARY TO ACHIEVE LEVELS AND GRADES THAT ALLOW FOR ADDITION OF MATERIALS AS DETAILED TO BRING WORKS TO PROPOSED FINISHED LEVELS. CONTRACTOR SHALL ENSURE THAT FINISHED LEVELS OF GARDEN BEDS REMAIN BELOW DAMP PROOF COURSE ON BUILDINGS AND THAT FINISHED SOIL LEVELS IN GARDEN AREAS FINISH 30mm (AFTER ALLOWING FOR SETTLEMENT) BELOW LEVEL OF ADJACENT PATHWAYS, RETAINING WALLS, KERBS OR OTHER CONTAINING EDGE.

2.0 MASONRY WALLING

HYDRASPLIT SANDSTONE WALL FOR RAISED SANDPITS

GENERAL

THIS ITEM INCLUDES COMPLETE CONSTRUCTION OF APPROVED STRUCTURALLY RETAINING WALLS. ALL WALLS TO HEIGHTS, DETAILS AND LOCATIONS AS INDICATED ON LANDSCAPE PLAN (DRAWING NO. WD_01).

INSPECTIONS

PROVIDE MINIMUM 48 HOURS NOTICE TO LANDSCAPE ARCHITECT FOR THE FOLLOWING INSPECTION(S) BY LANDSCAPE ARCHITECT:

- SET-OUT OF EXACT LOCATION OF ALL WALLING SPECIFIED HEREIN, PRIOR TO PROCEEDING FURTHER;
- ALL WATERPROOFING AND DRAINAGE PRIOR TO BACKFILLING OF WALL;
- PRIOR TO INSTALLATION OF ALL SANDSTONE

MATERIALS AND WORKMANSHIP

ERECT ALL WALLING PERFECTLY VERTICAL AND TRUE TO LINE. WALLING SHALL BE STRUCTURALLY SOUND, AND TO LEVELS/HEIGHTS AS INDICATED ON PLAN. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD. **WATERPROOFING OF MASONRY WALLS (WHERE RETAINING) IS A MOST IMPORTANT ITEM AND SHALL BE CARRIED OUT TO HIGHEST STANDARD POSSIBLE.** WATERPROOF MASONRY WALLS (WHERE RETAINING) PRIOR TO INSTALLATION OF DRAINAGE LAYER (SPECIFIED HEREUNDER).

CONSTRUCTION

WALL HEIGHT AND THICKNESS: WALLING SHALL BE CONSTRUCTED TO HEIGHTS AS INDICATED ON PLAN AND REINFORCEMENT: PLACE AND FIX REINFORCEMENT AS SPECIFIED DURING CONSTRUCTION OF WALLING. MORTAR JOINTS: PROVIDE NOM. 10MM FLUSH MORTAR JOINTS BETWEEN MASONRY UNITS ON BOTH INTERNAL AND EXTERNAL FACES, PROVIDING OPEN PERPENDS TO BASE COURSE FOR DRAINAGE PURPOSES.

CONSTRUCTION JOINTS: INSTALL AND ALLOW FOR ALL VERTICAL CONTROL/EXPANSION JOINTS IN WALLS AS REQUIRED. ENSURE THAT JOINTS IN WALLS, ESPECIALLY IN JUNCTION AREAS, ARE SEALED WITH APPROVED COMPOUND.

DRAINAGE & DAMP PROOF COURSE: WATERPROOF REAR OF ALL REINFORCED MASONRY RETAINING WALLS & BOUNDARY WALL PRIOR TO INCORPORATION OF DRAINAGE LAYER TO REAR OF WALL. FOR DRAINAGE PURPOSES, INSTALL 30-40MM THICK, GEOFABRIC-WRAPPED ATLANTIS WALL PANEL DRAINAGE SYSTEM (OR EQUAL), TO REAR OF REINFORCED CONCRETE BLOCK WALLS (WHERE RETAINING). INSTALL 75MM DIAMETER AGRICULTURAL DRAINAGE PIPE (OR EQUAL) TO BOTTOM OF DRAINAGE PANELS AND CONNECT SUCH TO STORMWATER DISPOSAL SYSTEM. INSTALL COARSE AGGREGATE IN NOM. 150MM WIDE LAYER TO EXTEND UP BACK OF RETAINING WALLS, FINISHING NOM. 150MM ABOVE CONCRETE FOOTING. INSTALL WALL DRAINAGE SYSTEM TO APPROVAL OF LANDSCAPE ARCHITECT AND TO SUPPLIER'S SPECIFICATIONS. WATERPROOF RENDER: RENDER MIX SHALL BE APPROVED CEMENT RENDER MIX, APPLIED TO INTERNAL FACE OF WALLS. ADD APPROVED WATERPROOFING COMPOUND (TO MANUFACTURER'S SPECIFICATION) TO RENDER MIX USED ON INTERNAL FACE OF WALLS. STORE, HANDLE AND INSTALL RENDER PRODUCTS AND COMPOUNDS TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. RENDER SHALL COMPLY WITH APPROPRIATE AUSTRALIAN STANDARD, APPLY APPROVED CEMENT RENDER IN NOM. 12-15MM THICK SINGLE COAT BY WOOD-FLOATING. FINISHED SURFACE SHALL BE EVEN, FREE FROM DEFECTS AND TRUE TO REQUIRED SURFACE (REFER TO DETAIL ON DRAWING NO. WD02).

SANDSTONE CAPPING: WALLS SHALL BE FACED AND CAPPED WITH ROCK FACE SANDSTONE. SANDSTONE CAPPING MATERIAL SHALL BE 270MM WIDE X 75MM THICK. ROCKFACE SANDSTONE SHALL BE 'MT WHITE' AS AVAILABLE FROM GOSFORD QUARRIES, OR APPROVED EQUIVALENT. SANDSTONE FACING SHALL BE LAID IN RANDOM PATTERN BOND WITH JOINTING TO BE TIGHT BUTTED WITH CONCEALED GROUTING. SANDSTONE WORKS SHALL BE LEFT CLEAN AND FREE FROM STAINS OR BLEMISHES ON COMPLETION.

PROVISIONS: ENSURE THAT ALL REQUIRED OPENINGS, HOLES, CASINGS, GROOVES ETC. TO ACCOMMODATE VARIOUS SERVICES ARE PLANNED FOR DURING CONSTRUCTION, IN ORDER TO AVOID BREAKING OR CUTTING OF COMPLETED WORK WHEREVER POSSIBLE.

3.0 SOIL PREPARATION TO GARDEN AREAS:

SHALL MEAN PREPARATION OF ALL GARDEN AREAS PLUS INSTALLATION OF TOPSOIL MIX AND SOIL CONDITIONER AS NECESSARY. CONSOLIDATED DEPTH (THAT IS, AS NECESSARY TO ALLOW FOR FUTURE

SETTLEMENT) OF APPROVED FREE DRAINING ORGANIC TOPSOIL MIX. ALLOW FOR SUPPLY, INSTALLATION AND THOROUGH CULTIVATION (INTO 225MM DEPTH OF SITE SOIL BENEATH) OF 75MM DEPTH OF IF NECESSARY (TO LANDSCAPE ARCHITECT'S APPROVAL) TO ALL GENERAL GARDEN AREAS.

NO WORK SHALL BE CARRIED OUT ON GARDEN AREAS WHILE SOIL IS WET, TO AVOID COMPACTION OF THESE AREAS. ALL BRICKS, PIECES OF TIMBER AND OTHER DEBRIS SHALL BE RAKED UP FROM PROPOSED LAWN AND GARDEN AREAS AND TRANSFERRED TO SEPARATE STOCKPILE, TO BE REMOVED FROM SITE BY CONTRACTOR AT APPROVED INTERVALS. PREPARED SOIL SHALL BE ALLOWED TO CURE PRIOR TO INSTALLING PLANTS. ENSURE THAT ALL GARDEN AREAS DRAIN SATISFACTORILY. IF DRAINAGE PROBLEMS EXIST, CONTRACTOR SHALL ADVISE LANDSCAPE ARCHITECT IN WRITING AND WAIT FOR FURTHER INSTRUCTIONS. COMPLETE SOIL PREPARATION SHALL BE TO APPROVAL OF LANDSCAPE ARCHITECT.

4.0 IRRIGATION: SHALL MEAN COMPLETE SUPPLY AND INSTALLATION OF APPROVED DRIP IRRIGATION SYSTEM TO ALL GARDEN AREAS. COMPLETED SYSTEM SHALL BE TO APPROVAL OF LANDSCAPE ARCHITECT AND SHALL COMPLY WITH ALL CURRENT AUTHORITY REQUIREMENTS. DRIP IRRIGATION SYSTEM SHALL ADEQUATELY COVER ALL GARDEN AREAS AND SHALL BE APPROPRIATE TO AND SUITABLE FOR PLANTS SPECIFIED. IRRIGATION SYSTEM SHALL BE CONNECTED TO MAINS WATER. IRRIGATION SYSTEM TO BE CONTROLLED BY AUTOMATIC SOLENOID VALVES, WITH CONTROLLER TO BE LOCATED IN APPROVED LOCATION. AUTOMATIC RAIN SENSOR SHALL BE PROVIDED TO PREVENT WATERING TO AREAS DURING PERIODS OF RAIN OR EXCESS SOIL MOISTURE.

POWER SUPPLY SHALL BE PROVIDED TO AN APPROVED LOCATION BY OTHERS AND SHALL CONSIST OF A GPO WITH AN APPROVED LOCKING DEVICE TO PREVENT ACCIDENTAL DISCONNECTION OF POWER TO CONTROLLER.

ENSURE THAT ALL CONNECTING PIPE WORK IS ADEQUATELY COVERED WITH PLASTIC AND TAPE DURING INSTALLATION, TO ENSURE THAT NO SOIL OR OTHER MATERIAL CAN ENTER AND BLOCK PIPES. CONTRACTOR SHALL ENSURE THAT ALL GARDEN AREAS AS INDICATED ABOVE ARE SATISFACTORILY IRRIGATED, ENSURING THAT SOIL IS KEPT MOIST, NOT WET, TO APPROVAL OF LANDSCAPE ARCHITECT. CONTRACTOR SHALL CHECK PRESSURE OF WATER SUPPLY ON SITE AND ENSURE THAT THIS IS TAKEN INTO ACCOUNT FOR BOTH TENDER AND FINAL DESIGN/INSTALLATION.

TWELVE MONTHS WARRANTY ON IRRIGATION SYSTEM SHALL BE PROVIDED BY CONTRACTOR, COVERING BOTH MATERIALS AND LABOUR. CONTRACTOR SHALL FULLY DETAIL AND SUBMIT TOGETHER WITH TENDER AN OUTLINE OF PROPOSED SYSTEM AND EQUIPMENT.

5.0 PAVING: GENERAL: LAY ALL (I) RANDOM DIAMOND CUT SANDSTONE PAVING (SEALED) WITH ROUNDED EDGES ON NOM. 20MM MORTAR BED OVER R. Conc SLAB TO NOMINATED RL IN LOCATIONS AS SHOWN ON LANDSCAPE PLAN. TOP OF FINISHED SURFACE OF PAVING SHALL BE EVEN.

LAYING: LAY PAVING TO APPROVED GRADES AND WITH NOM. 1:80 FALLS TO ENSURE THAT SURFACE SHEDS WATER, AND KEEP SURFACES CLEAN AS PAVING IS LAID. REFER TO TYPICAL DETAILS FOR PAVING TYPES

6.0 PLANTING, FERTILISING AND STAKING: SHALL MEAN ALL PLANTING AND FERTILISING WORKS AS NECESSARY. PLANTS SHALL BE AS DETAILED ON LANDSCAPE PLAN AND IN SCHEDULE. NO SUBSTITUTES FOR SPECIES OR CULTIVARS NAMED IN SCHEDULE SHALL BE ACCEPTED WITHOUT PRIOR CONSULTATION WITH LANDSCAPE ARCHITECT. PLANTS SHALL BE WELL GROWN, HEALTHY, NOT SOFT OR FORCED, NOR ROOT-BOUND. PLANT DEVELOPMENT SHALL BE OF REASONABLE SIZE, PROPORTIONATE TO SIZE OF CONTAINER AND HABIT OF PLANT, AND IN VIGOROUS GROWTH.

ALL PLANTS SHALL BE WATERED IMMEDIATELY PRIOR TO PLANTING AND PLANT SET-OUT APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING. PLANTING HOLES SHALL BE DUG TO DEPTH AND SLIGHTLY LARGER THAN WIDTH OF PLANT ROOT BALL WHICH THEY ARE TO RECEIVE. BASE OF PLANTING HOLE SHALL BE LOOSENEED TO A DEPTH OF 75mm AND SURFACE DRESSING OF SLOW RELEASE FERTILIZER (EQUAL TO 'OSMOCOTE' OR 'NUTRICOTE' 8-9 MONTH RELEASE FORMULATION, LOW PHOSPHOROUS AS APPROPRIATE), ADDED TO HOLE TO MANUFACTURER'S RECOMMENDATIONS AND WORKED INTO LOOSENEED SOIL AT BASE OF HOLE. HOLE SHALL BE FILLED WITH WATER, ALLOWED TO DRAIN, AND THEN PLANT INSTALLED INTO HOLE. ROOT BALL SHALL THEN BE BACK-FILLED WITH SURROUNDING TOPSOIL MIX (AS ELSEWHERE SPECIFIED) AND ON COMPLETION OF PLANTING BASE OF EACH STEM SHALL FINISH LEVEL WITH TOP SURFACE OF SOIL. DISH SHALL BE FORMED IN SOIL AROUND BASE OF EACH PLANT TO AID IN WATER COLLECTION AND ABSORPTION.

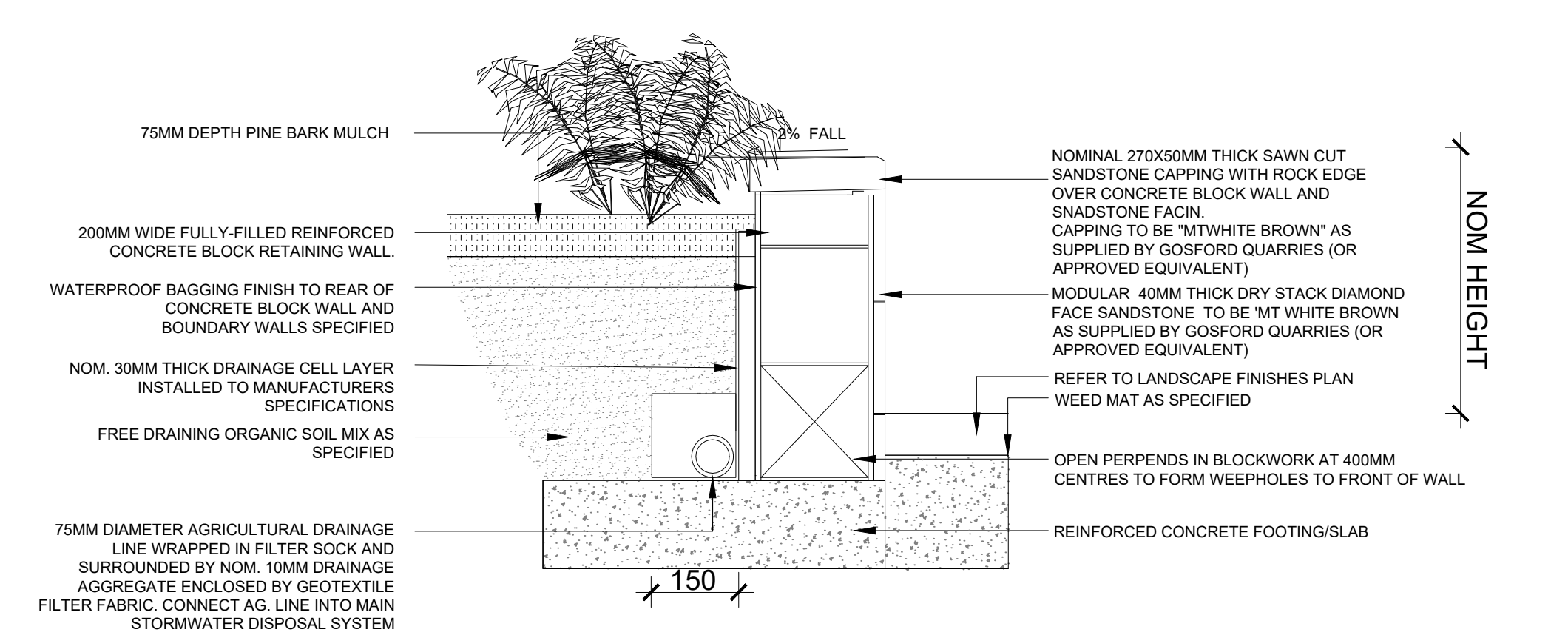
TREES TO BE STAKED SHALL BE STAKED AS INDICATED ON PLANT SCHEDULE. STAKES SHALL BE 38 x 38 x 1800mm LONG APPROVED HARDWOOD STAKES, POINTED AT ONE END. STAKES SHALL BE DRIVEN INTO GROUND A MINIMUM OF ONE THIRD OF THEIR LENGTH OR UNTIL FIRM, AVOIDING DAMAGE TO ROOT SYSTEM OF ADJACENT TREE. NOMINAL 50MM WIDE HESSIAN TIES SHALL BE FIXED IN FIGURE OF EIGHT PATTERN TO LOOSELY SECURE TREES TO STAKES AT POSITIONS ALONG TRUNK, SO AS TO PREVENT DAMAGE TO TREE AND TO GENERALLY STABILISE.

7.0 MULCHING: SHALL MEAN COMPLETE SUPPLY AND INSTALLATION OF -

a. NOM. 75mm DEPTH OF APPROVED 25MM GARDEN MULCH SUITABLE FOR CHILDCARE CENTRES FROM AUSTRALIAN NATIVE LANDSCAPES PH 9450 1444), TO ALL GARDEN AREAS FOLLOWING COMPLETION OF PLANTING. COVE MULCH DOWN TO FINISH FLUSH WITH CONTAINING EDGES AND REDUCE TO 25mm THICK AROUND BASE OF STEM OF EACH PLANT.

8.0 COMPLETION: PRIOR TO COMPLETION, CONTRACTOR SHALL MAKE GOOD ANY DAMAGED AREAS. CONTRACTOR SHALL LEAVE AREAS OVER WHICH CONTRACTOR HAS WORKED IN TIDY CONDITION AND TO SATISFACTION OF LANDSCAPE ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM SITE OF ALL UNWANTED MATERIAL AND DEBRIS RESULTING FROM THIS WORK.

9.0 MAINTENANCE: CONTRACTOR SHALL MAINTAIN SITE FOR A PERIOD OF 12 MONTHS- REFER TO MAINTENANCE SCHEDULE.



06 TYPICAL PLANTER DETAIL
SCALE 1:10

For	Description	Date	True North
DA	DEVELOPMENT APPLICATION	16.12.2020	
Job Number:	Drawing Number:	Issue	
LA 201201	DA 03	A	
			DM DB

Project:	PROPOSED NEW CHILDCARE CENTRE 11 LEWIS STREET BALGOWLAH HEIGHTS
Drawing Name:	Detail Sheet
	DRAWING NOT FOR CONSTRUCTION



Timber Deck transition zone & soft fall mounds



Raised sandpit with sandstone boulders



Artificial grass sensory panel



Timber log seats with cushion cover



Cobble stone sensory path



Yarningcircle



TRISTANIOPSIS LAURINA



ACMENA SMITHII VAR MINOR



LOMANDRA LONGIFOLIA TANIKA



DIANELLA CAERULLEA 'LITTLE JESS'



WESTRINGIA FRUCTOSA



VIOLA HEDERACEA

TREES

SHRUBS AND ACCENTS

PRECEDENT IMAGES

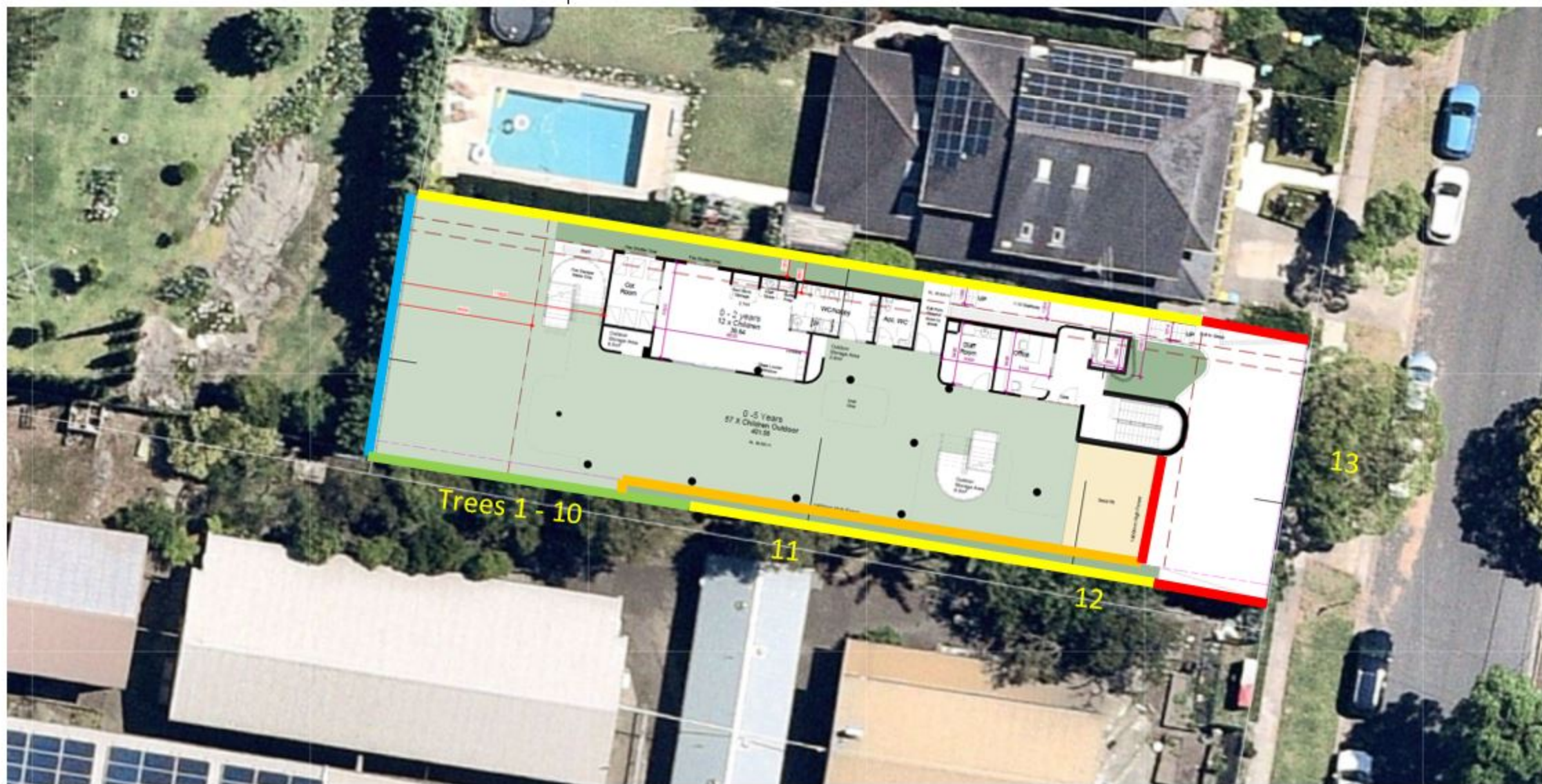
PLANTING PALETTE -Guide only, please refer to planting schedule



Key:

- 1.2 metre high fence
- 1.39 metre high fence
- 1.8 metre high fence
- 2.2 metre high fence
- 2.5 metre high fence

Fence Heights and Tree Locations



DUST CONTROL:

• NOTE: DURING EXCAVATION, DEMOLITION AND CONSTRUCTION, ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT DUST FROM AFFECTING THE AMENITY OF THE NEIGHBORHOOD.

THE FOLLOWING MEASURES MUST BE ADOPTED:

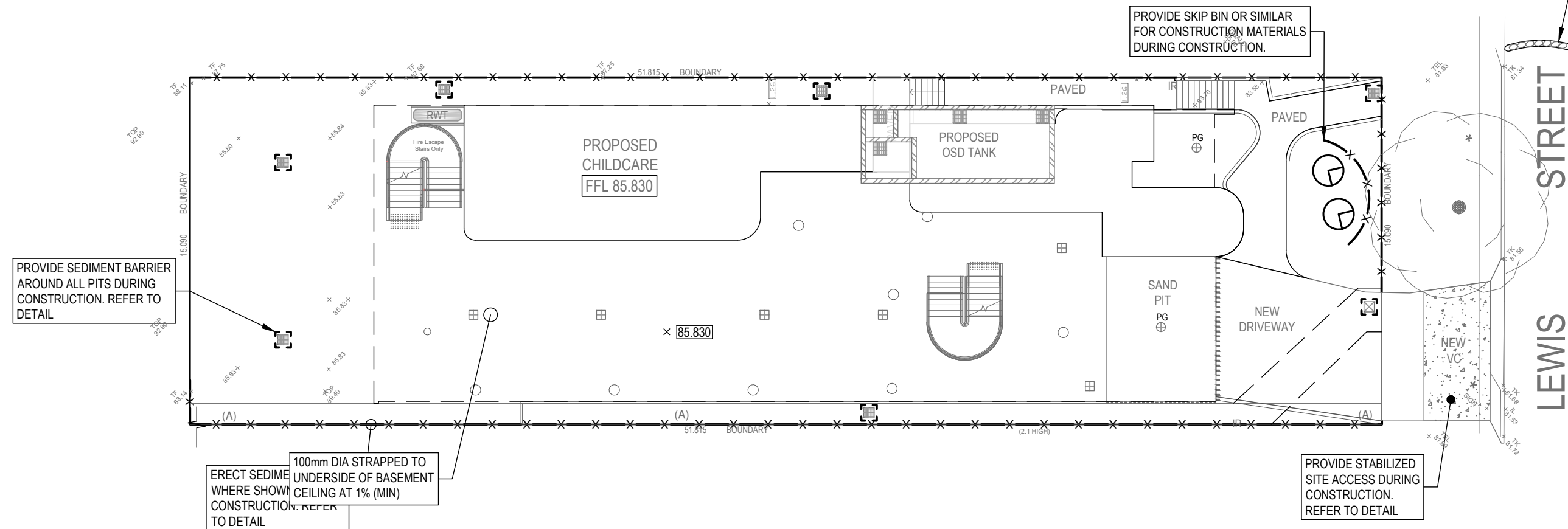
1. PHYSICAL BARRIERS SHALL BE ERECTED AT RIGHT ANGLES TO PREVENT WIND DIRECTION OR SHALL BE PLACED AROUND OR OVER DUST SOURCES TO PREVENT WIND OR ACTIVITY FROM GENERATING DUST.
2. EARTHWORKS AND SCHEDULING ACTIVITIES SHALL BE MANAGED TO COINCIDE WITH THE NEXT STAGE OF DEVELOPMENT TO MINIMISE THE AMOUNT OF TIME THE SITE IS LEFT TO CUT OR EXPOSED.
3. ALL MATERIALS SHALL BE STORED OR STOCKPILED AT THE BEST LOCATIONS.
4. THE GROUND SURFACE SHOULD BE DAMPENED SLIGHTLY TO PREVENT DUST FROM BECOMING AIRBORNE BUT SHOULD NOT BE WET TO THE EXTENT THAT RUN-OFF OCCURS.
5. ALL VEHICLES CARRYING SOIL OR RUBBLE TO OR FROM THE SITE SHALL AT ALL TIMES BE COVERED TO PREVENT THE ESCAPE OF DUST.
6. ALL EQUIPMENT WHEELS SHALL BE WASHED BEFORE EXISTING THE SITE USING MANUAL OR AUTOMATED SPRAYERS AND DRIVE - THROUGH WASHING BAYS.
7. GATES SHALL BE CLOSED BETWEEN VEHICLE MOVEMENTS SHALL BE FITTED WITH SHADE CLOTH.
8. CLEANING OF FOOTPATHS AND ROADWAYS SHALL CARRIED OUT DAILY.
9. ALL BUILDERS REFUSE, SPOIL AND/OR MATERIAL UNSUITABLE FOR USE IN LANDSCAPE AREAS SHALL BE REMOVED FROM SITE ON COMPLETION OF THE BUILDING WORKS.

NOTES:

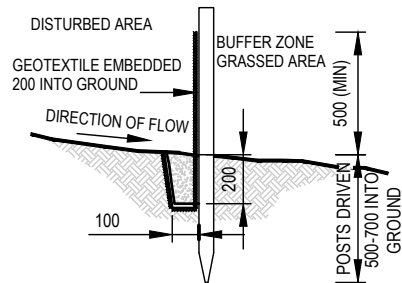
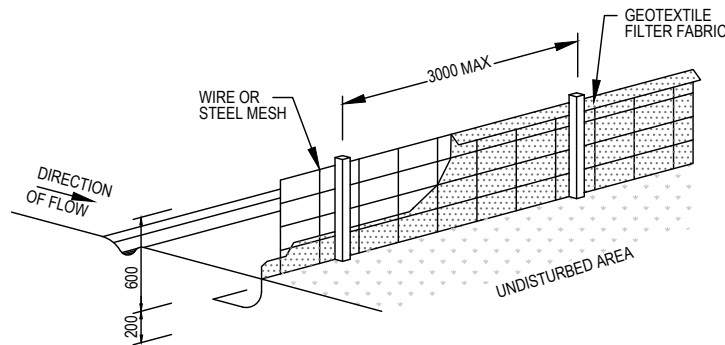
1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER IN ACCORDANCE WITH COUNCIL REQUIREMENTS.
2. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
3. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE.
4. ROADS AND FOOTPATH TO BE SWEEPED DAILY AS REQUIRED BY COUNCIL.
5. IF YOU DO NOT COMPLY WITH COUNCIL REQUIREMENTS & DOCUMENTATION, YOU MAY BE LIABLE TO PROSECUTION FROM GOVERNMENT AUTHORITIES .

LEGEND:

UNDISTURBED VEGETATION	
SEDIMENT FENCE	
STOCK PILES	
STABILIZED SITE ACCESS	
MESH & GRAVEL INLET FILTER	
WATER DIVERSION	
STORMWATER PIT WITH SEDIMENT BARRIER	



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A	MR	ISSUED FOR DA	17.12.2020	 T 0416 334 977 E admin@nycivilengineering.com.au W www.nycivilengineering.com.au	SEDIMENT CONTROL PLAN	NADER ZAKI MIEAust CPEng NER	MR	YR
					PROJECT TITLE		SHEET SIZE	SCALE
					PROPOSED CHILDCARE CENTRE LOT B, No.11 LEWIS STREET BALGOWLAH HEIGHTS		A3	1:200
							ISSUE	No. IN SET
							A	12
						JOB REFERENCE	DRAWING No.	
						E200246	D11	

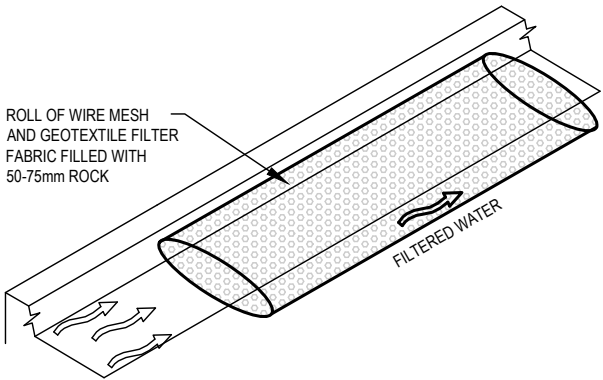


SEDIMENT FENCE DETAIL

NTS

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 CATCHMENTS AREA OF ANY ONE SECTION. THE CATCHMENTS 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 1.5m LONG STAR PICKETS INTO GROUND AT 2.5m 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 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

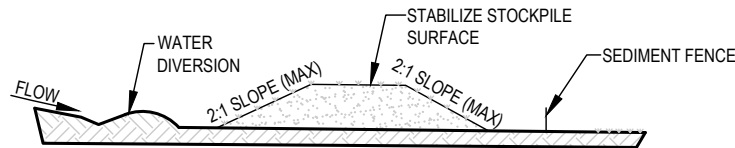


MESH AND GRAVEL FILTER

NTS

CONSTRUCTION NOTES:

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm(h) x 400mm(w).
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

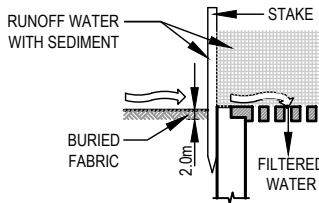


STOCKPILE

NTS

NOTE:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METERS 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 2 METERS IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILIZE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (LOW FLOW) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METERS ON THE DOWNSLOPE.

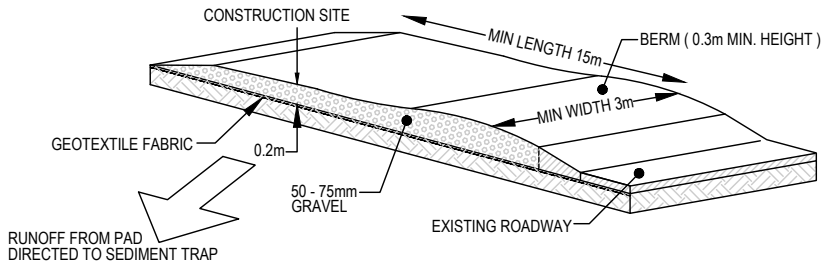


SEDIMENT BARRIER AROUND PIT

NTS

CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STRAW FILTER AND SEDIMENT FENCE 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.



STABILIZED SITE ACCESS

NTS

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 BASED OR 30mm AGGREGATE
4. ENSURE THE STRUCTURE IS AT LEAST 15m LONG OR TO BUILD ALIGNMENT AND AT LEAST 3 METERS WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILIZED ACCESS, CONSTRUCT A HUMP IN THE STABILIZED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

REVISION	DRAWN	DESCRIPTION	DATE	PLAN BY	DRAWING TITLE	APPROVED BY	DESIGNED	CHECKED
A	MR	ISSUED FOR DA	17.12.2020	 T 0416 334 977 E admin@nycivilengineering.com.au W www.nycivilengineering.com.au	SEDIMENT CONTROL DETAILS	NADER ZAKI MIEAust CPEng NER 	MR	YR
					PROJECT TITLE		SHEET SIZE	SCALE
					PROPOSED CHILDCARE CENTRE LOT B, No.11 LEWIS STREET BALGOWLAH HEIGHTS		A3	AS NOTED
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							A	12
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						E200246		D12