

## CALCULATIONS (WSUD)

SITE AREA (Sq.m) = 9,020  
 AREA BYPASS FILTRATION TANK (Sq.m) = 940  
 STORM FILTER 690 Nos. = 10  
 STORM FILTER DISCHARGE WITH 770 MM HEAD (L/s) = 16.0  
 STORM FILTER DISCHARGE WITH 1,210 MM HEAD (L/s) = 20.1  
 AREA REQUIRED FOR STORM CHAMBER (Sq.m) = 20

## 'MUSIC' RESULTS

	SOURCE	RESIDUAL LOAD	REDUCTION (%)	TARGET (%)
TSS (kg/Y)	577	85.5	85.2	85
TP (kg/Y)	1.05	0.271	74.3	65
TN (kg/Y)	7.10	3.36	52.7	45
GP (kg/Y)	77.7	2.49	96.8	90

## CALCULATIONS (OSD TANK)

SITE AREA (Sq.m) = 9,020  
 AREA BYPASS OSD (Sq.m) = 1,180  
 PERMISSIBLE SITE DISCHARGE (SEE DRAINS MODEL, MINOR FLOW) (L/s) = 48 - OR = 48  
 ORIFICE DIAMETER (mm) = 240  
 PERMISSIBLE SITE DISCHARGE (SEE DRAINS MODEL, MAJOR FLOW) (L/s) = 242 - OR = 217  
 SITE STORAGE REQUIREMENT (SEE DRAINS MODEL) (C.u.m) = 135  
 SITE STORAGE PROVIDED [(12.0x9.0)+(3.55x2.8)-(1.1x1.1)x1.12+6.2x3.55x0.24] (C.u.m) = 136  
 TOP OF WATER LEVEL IN BELOW GROUND TANK (RL) = 50.379  
 MAX. DEPTH OF WATER IN BELOW GROUND TANK (51.379-50.17) (mm) = 1,209

## CONSTRUCTION NOTES

- DO NOT MEASURE FROM THE DRAWINGS AND ALL DISCREPANCIES SHALL BE NOTIFIED TO THE HYDRAULIC ENGINEER IMMEDIATELY AND SEEK ADVICE.
- CONTRACTOR SHALL LOCATE ALL SERVICES WITHIN THE SITE AND IN COUNCIL FOOT PATH AND REPORT INVERT LEVELS TO THE UNDER SIGNED PRIOR TO COMMENCEMENT OF ANY WORK.
- THE FINISHED GROUND LEVELS ARE CHOSEN IN SUCH A MANNER THAT ALL SURFACES ARE EVENLY GRADED AT MINIMUM 1% TO PREVENT PONDING AND DIRECTED TO PITS.
- ALL LEVELS SHALL BE TAKEN FROM ESTABLISHED BENCHMARKS.
- ALL PITS SHALL BE BENCHED AND STREAM LINED TO HALF PIPE HEIGHT.
- PROVIDE STEP IRONS 'MASCOT SH104' OR SIMILAR STAGGERED TO GIVE SPACING 300 VERTICAL AND 220 HORIZONTAL TO ALL PIT DEEPER THAN 1.0 METRE.
- CONNECTION OF DISCHARGE PIPE TO EXISTING COUNCIL KERB & GUTTER, PIPE OR KERB INLET PIT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE COUNCIL REQUIREMENT.
- SUITABLE AGPIPES SHALL BE PROVIDED AND CONNECTED TO STORMWATER SYSTEM AS INSTRUCTED BY THE ENGINEER AT SITE BEFORE ANY FILLING.
- HIGH EARLY DISCHARGE PIT TO BE CONCRETE CAST / IN SITU, NOT PRECAST. PIT AT THE ROAD BOUNDARY WHERE DRAINAGE LINES ENTER PUBLIC ROAD AND FOOTWAY SHALL BE CONSTRUCTED WITH CAST IN SITU CONCRETE. PRECAST PITS ARE NOT ACCEPTABLE.
- THE CHANGES TO ANY DEVELOPMENT AS PROPOSED IN THE ARCHITECTURAL DRAWING SHALL BE NOTIFIED IMMEDIATELY TO THE HYDRAULIC ENGINEER AND SEEK ADVICE.
- ALL EXCAVATIONS WITHIN THE INFLUENCE OF BUILDINGS AND SERVICES SHALL BE UNDERTAKEN WITH THE KNOWLEDGE OF THE HYDRAULIC AND STRUCTURAL ENGINEER.
- AREAS SPREADED WITH BARK SHALL BE BARRICADED TO PREVENT BARK GETTING INTO THE PITS AND STORMWATER SYSTEMS.
- MINIMUM SLOPE FOR PAVED AREAS SHALL BE 1%, FOR LANDSCAPED AREAS MINIMUM SLOPE SHALL BE 2% AND GRADED DOWN TOWARDS THE GRATED PITS.
- ALL GUTTERS TO BE 100x75 MIN. AND DOWN PIPES TO BE 100x75 (76 DIA.) MIN. REFER TO ARCHITECT FOR MATERIAL SPECIFICATIONS.
- MINIMUM OF 100mm Dia. PIPE SHALL BE USED FOR STORMWATER PIPES IN THE GROUND UNLESS NOTED OTHERWISE AND ALL STORMWATER PIPES SHALL BE LAID AT MINIMUM 1%. ANY DISCREPANCY SHALL BE REPORTED TO THE DESIGNER AND VERIFIED BY THE CONTRACTOR.
- THE DETENTION AND DRAINAGE SYSTEM SHALL BE MAINTAINED AT REGULAR INTERVALS AND THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS.
- ALL FENCES SHALL BE KEPT AT LEAST 100mm ABOVE THE GROUND LEVEL TO FACILITATE THE FREE PASSAGE FOR STORMWATER OVERLAND FLOW.

## LEGEND

TP - TOP OF PIT  
 TWL - TOP WATER LEVEL  
 TW - TOP OF RETAINING WALL  
 GL - GUTTER LEVEL  
 RL - REDUCED LEVEL  
 TK - TOP OF KERB  
 IL - INVERT LEVEL

## INDEX

NATURAL GROUND LEVEL	~ 14.53
DESIGN LEVEL	14.55
ROOF LINE	---
BOUNDARY LINE	---
SEDIMENT FENCE	--- SF --- SF --- SF ---
EXISTING STORMWATER LINE	--- SW --- SW --- SW ---
STORMWATER PIPE	--- SW --- SW --- SW ---
PIPE CONNECTED TO "RT"	---
AGG. PIPE 75 DIA.	--- AG --- AG --- AG ---
EXISTING SEWER MAIN	--- MH --- SV ---
TELSTRA	--- T --- T --- T ---
WATER	--- W --- W --- W ---
ELECTRICITY	--- E --- E --- E ---
GAS	--- G --- G --- G ---
DOWN PIPE	● DP
SPREADER	● SP
RAIN WATER HEAD	■ RH
CLEANING EYE	○ CE
TRENCH GRATE	
CONTROL PIT	
ACCESS PIT	
SURFACE INLET PIT	
PIT WITH ENVIRO POD 200 MICRON	
AREA BYPASS 'OSD'	
TREE TO BE RETAINED	○
TREE TO BE REMOVED	●

## PIT SCHEDULE

- PROVIDE LIGHT DUTY GRATES FOR NON VEHICULAR TRAFFICKED AREAS.
- PROVIDE HEAVY DUTY GRATES FOR VEHICULAR TRAFFICKED AREAS.
- PROVIDE 450x450 CLEAR OPENING FOR PITS DEPTH UP TO 450 mm U.N.O.
- PROVIDE 600x600 CLEAR OPENING FOR PITS DEPTH UP TO 600 mm U.N.O.
- PROVIDE 600x900 CLEAR OPENING FOR PITS DEPTH UP TO 900 mm U.N.O.
- PROVIDE 900x900 CLEAR OPENING FOR PITS DEPTH GREATER THAN 900 mm U.N.O.
- ALL PVC PIPES UNDER TRAFFICKED AREAS SHALL BE OF CLASS-6 AS PER AS1477.
- ALL REINFORCED CONCRETE PIPES SHALL BE OF RUBBER RING JOINTS.
- ALL TRENCH GRATES SHALL BE A MINIMUM OF 225 W x 225 H U.N.O.
- PROVIDE STEP IRONS TO PITS DEEPER THAN 1,000mm.

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Registered Professional Engineer 594105  
**MR. Ram Baskaran**  
 MEEAL OPENG (Civ) NPER-3  
 Signature: \_\_\_\_\_ Date: 28 SEP 20  
 Registered on the Register in the Category of  
 Civil  
 National Professional Engineers Register Section Three

ISSUE	DESCRIPTION	DATE
A	FOR DA SUBMISSION	28 SEP 20

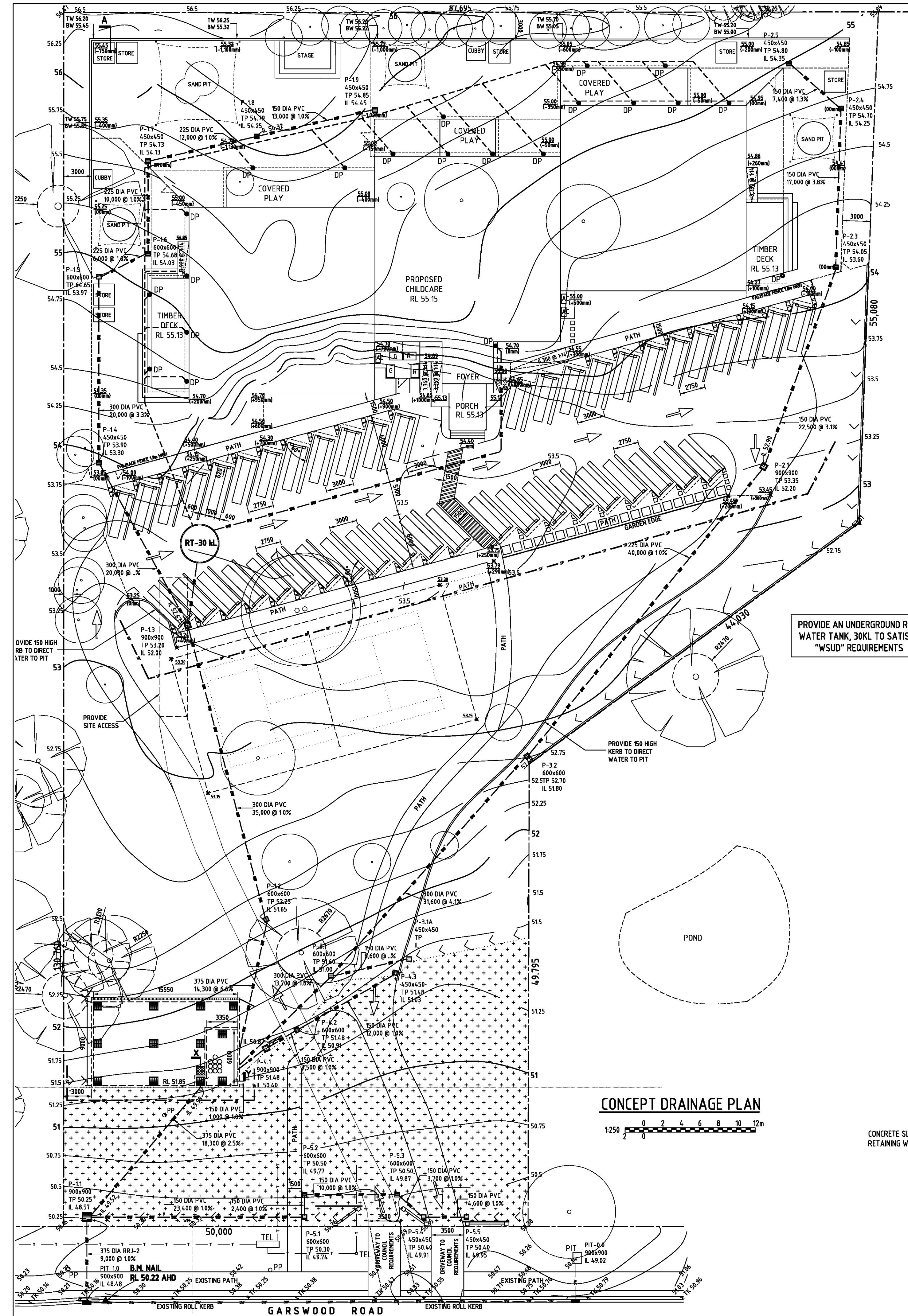
**CONSULTING CIVIL ENGINEERS**  
**Rammy Associates Pty Ltd**  
 P.O.Box 280, Pendle Hill, N.S.W. 2145.  
 Phone: 0419 989 185 Email: rammy.ramb@gmail.com

TITLE	PROJECT	LOCATION	LOT/D.P.	OWNER	ARCHITECT	DESIGNED	DRAFTED
CONCEPT DRAINAGE PLAN	PROPOSED CHILDCARE CENTER	15-17 GARSWOOD RD GLENMORE PK	4211 / 1150762		DESIGN M STUDIO	RB	RB

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CONCEPT DRAINAGE PLAN	PROPOSED CHILDCARE CENTER	15-17 GARSWOOD RD GLENMORE PK	4211 / 1150762		DESIGN M STUDIO	RB	RB

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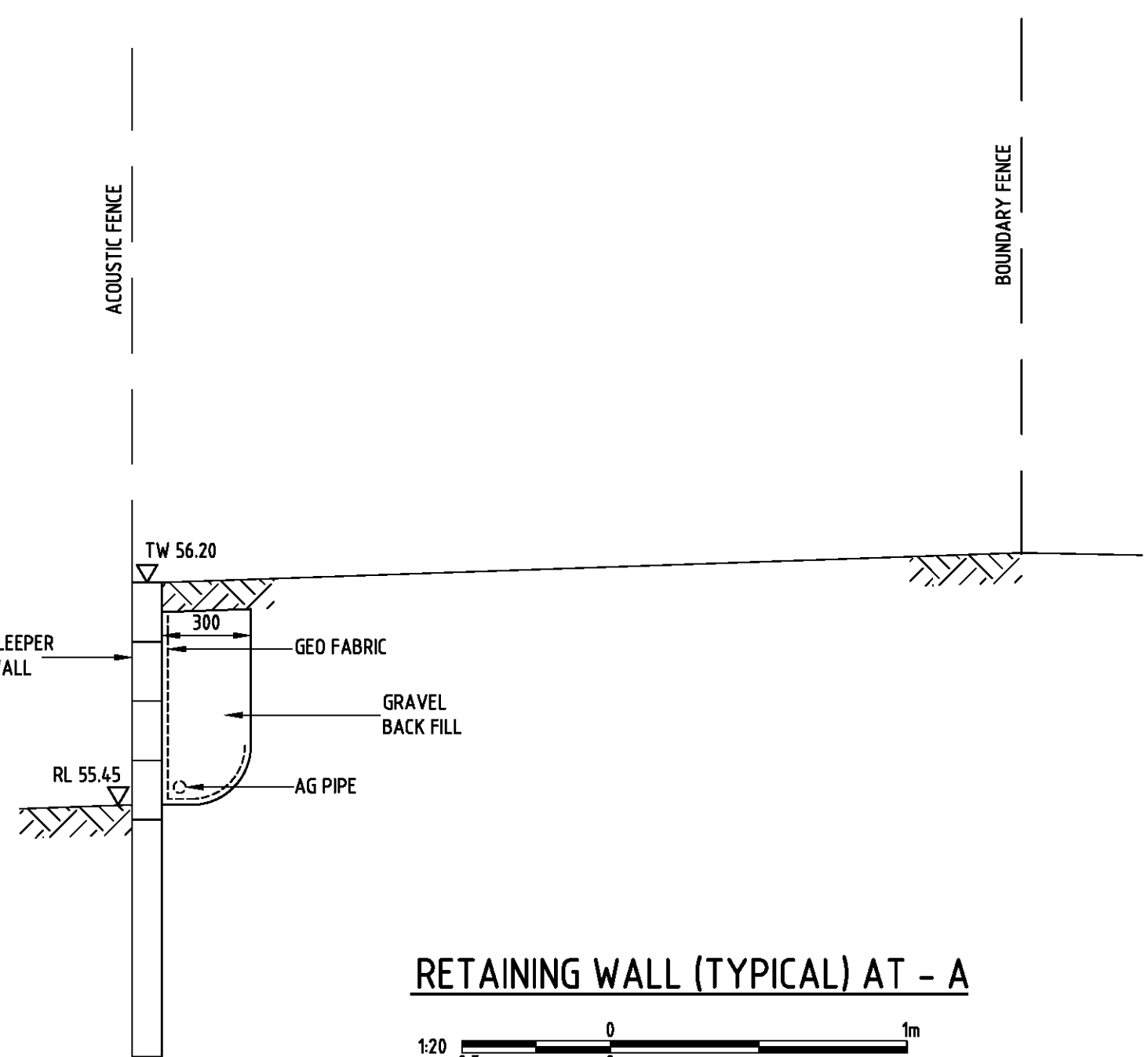
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19.08.28.1	D-01



PROVIDE AN UNDERGROUND RAIN WATER TANK, 30KL TO SATISFY "WSUD" REQUIREMENTS

## CONCEPT DRAINAGE PLAN

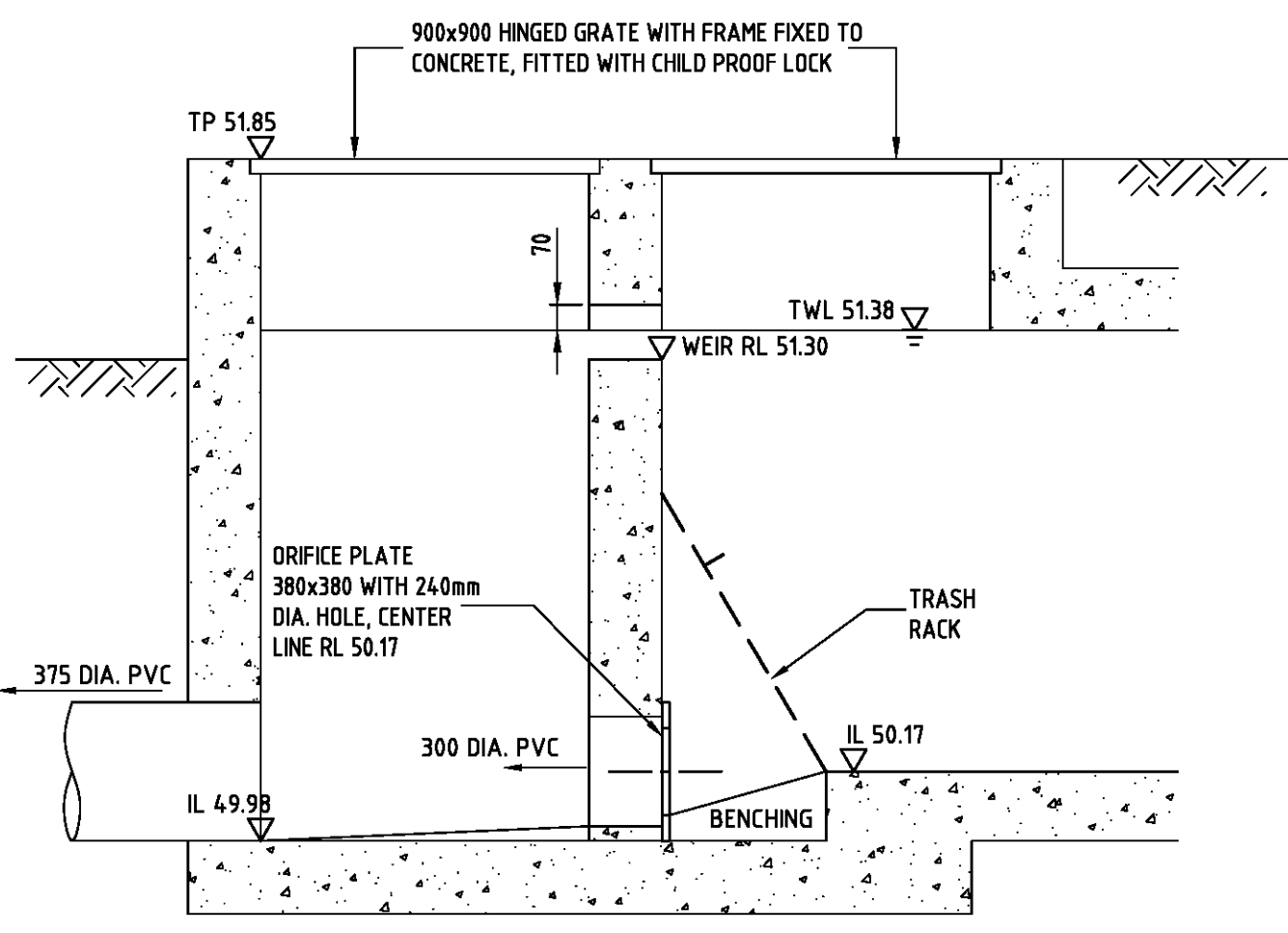
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## RETAINING WALL (TYPICAL) AT - A

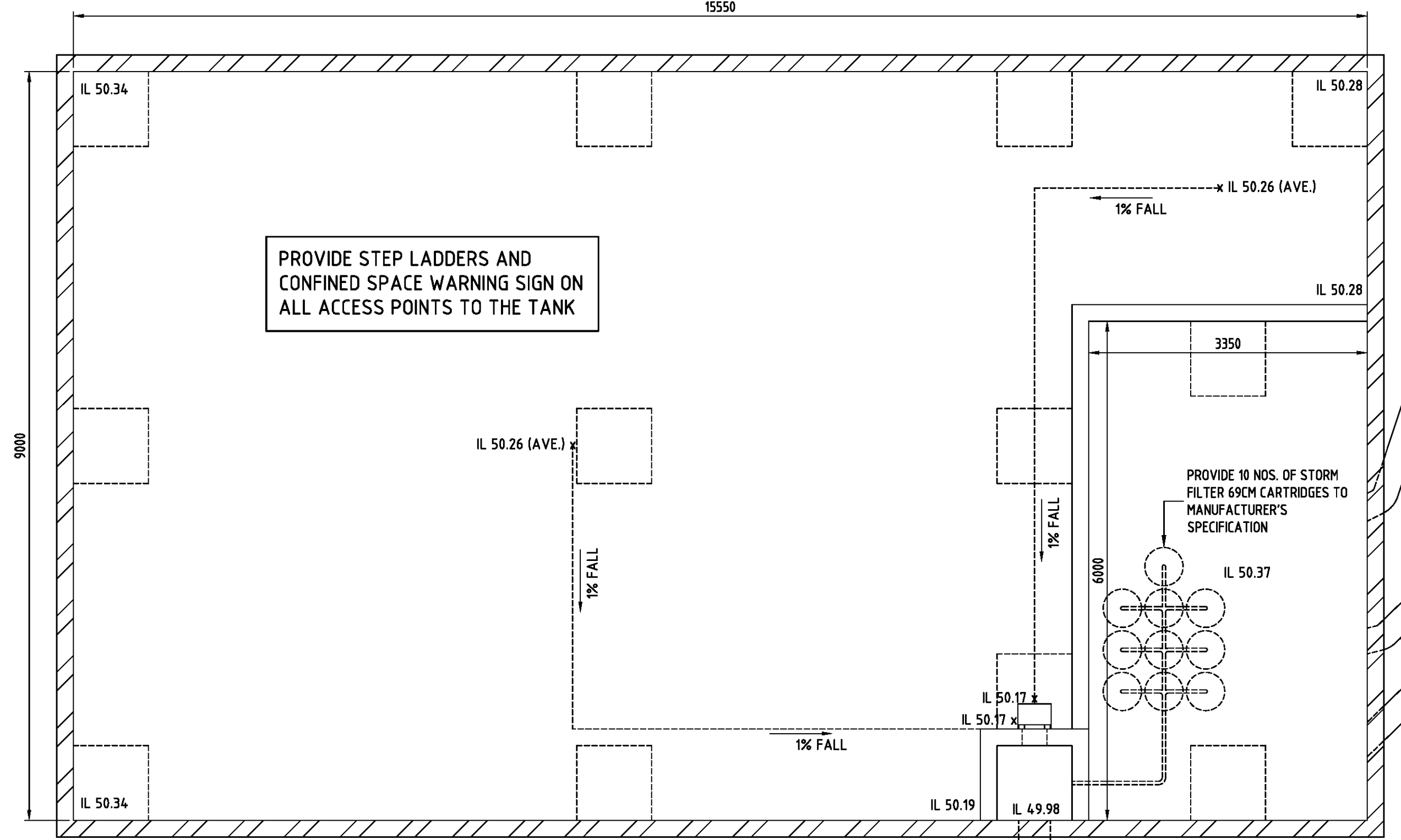
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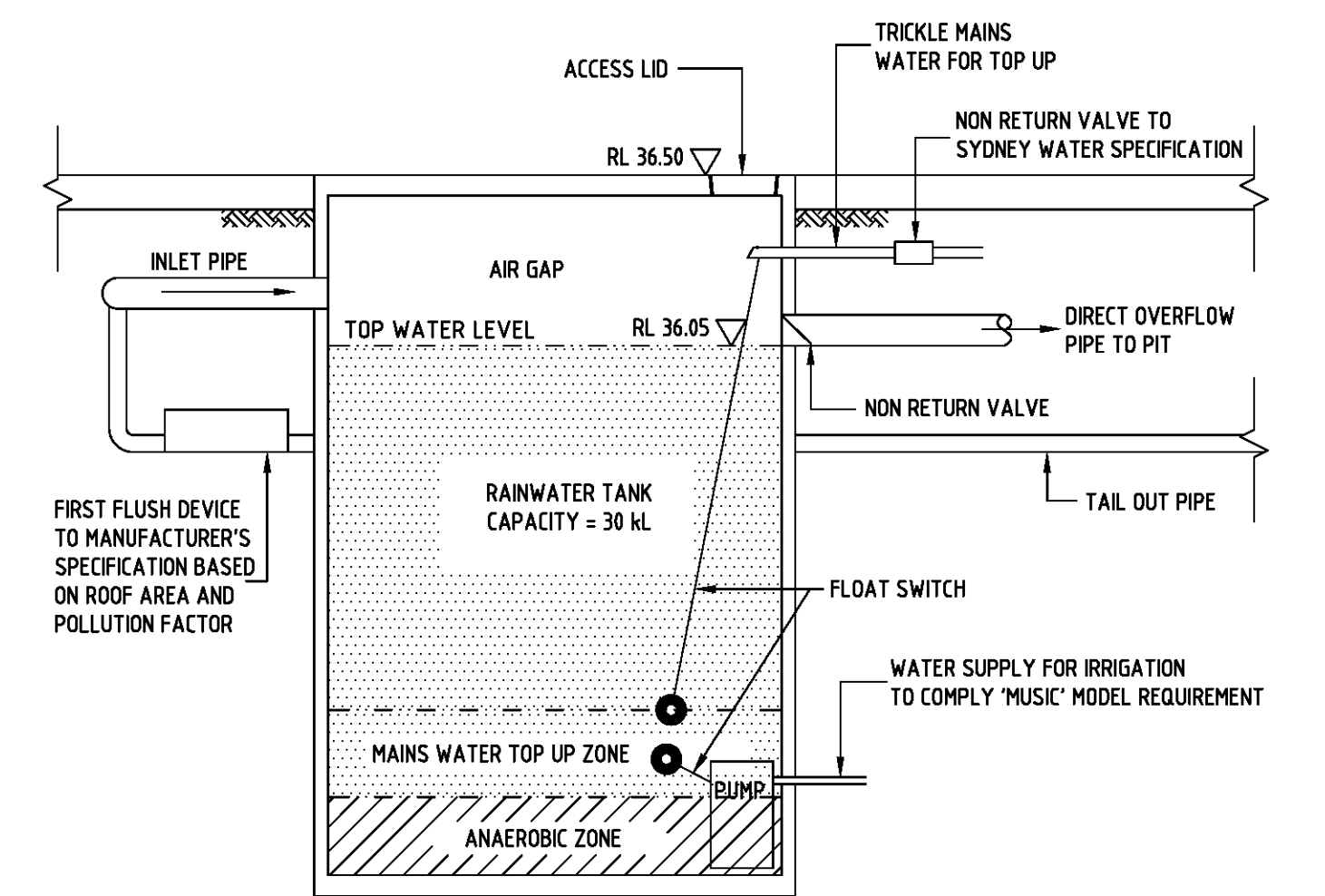


SECTION OF 'HED' PIT AT "X"  
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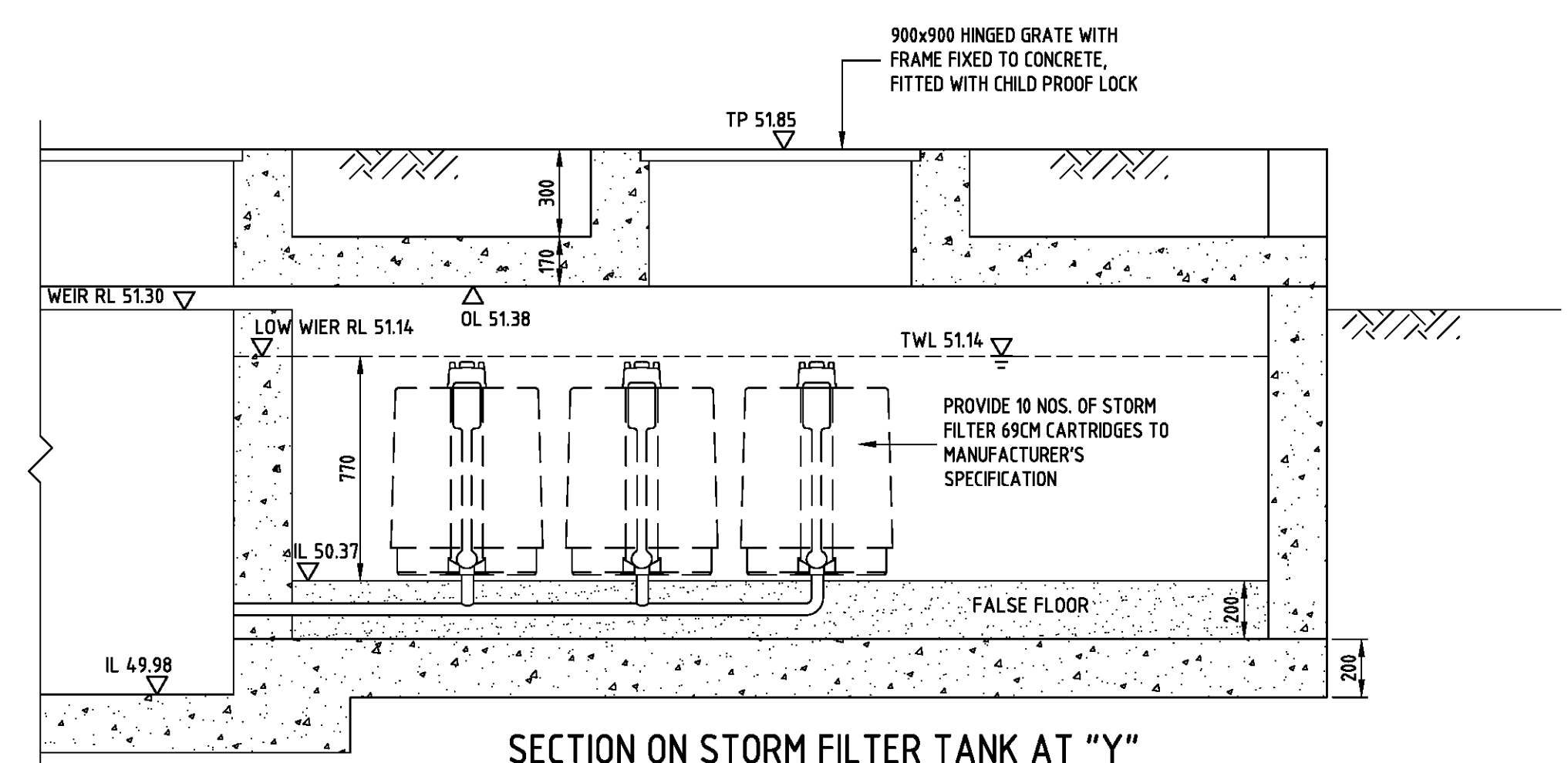
REFER DRAWINGS FROM STRUCTURAL ENGINEER'S FOR DETAIL OF STEEL AND CONCRETE IN THE TANK WALLS AND SLABS



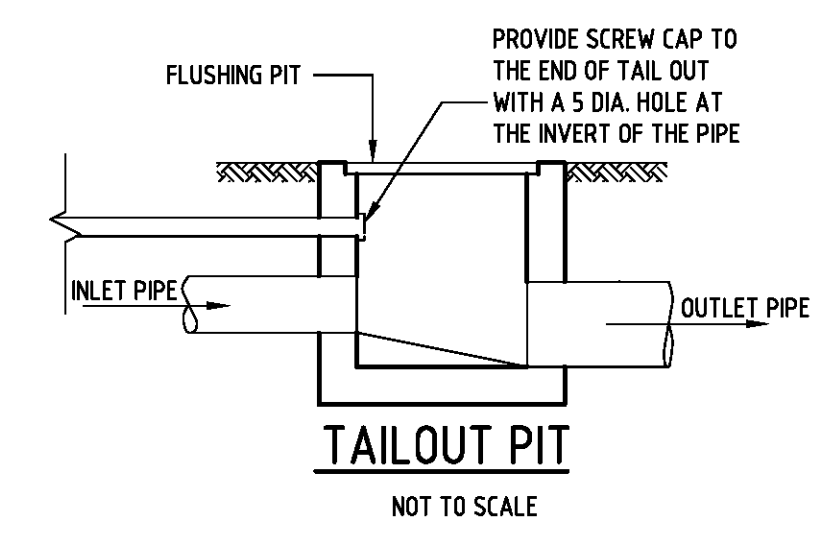
PLAN OF STORM FILTER & OSD TANK  
SCALE = 1:50



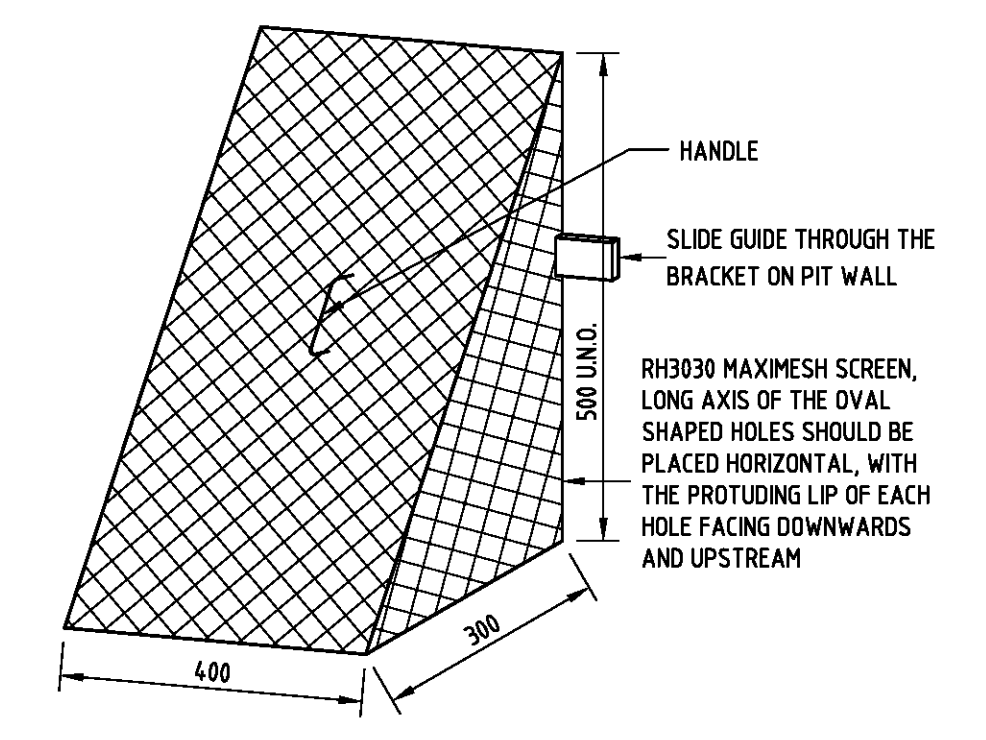
BELOW GROUND RAINWATER TANK CONFIGURATION  
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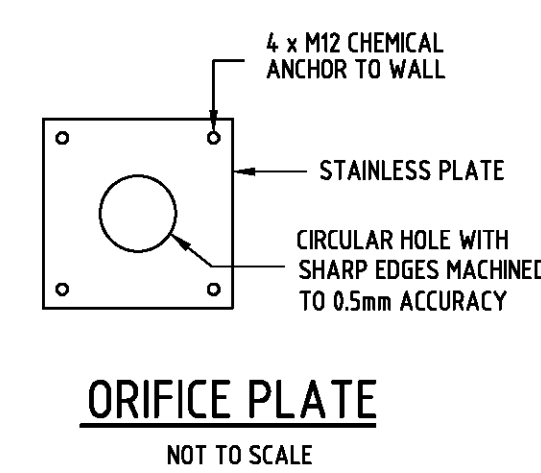
SECTION ON STORM FILTER TANK AT "Y"  
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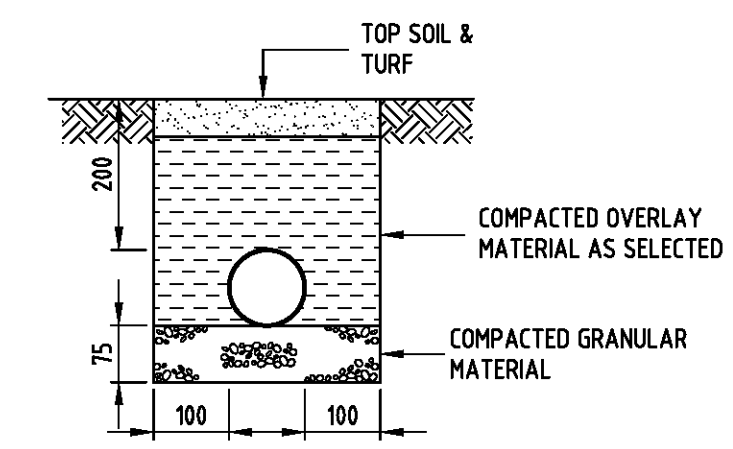
TAILOUT PIT  
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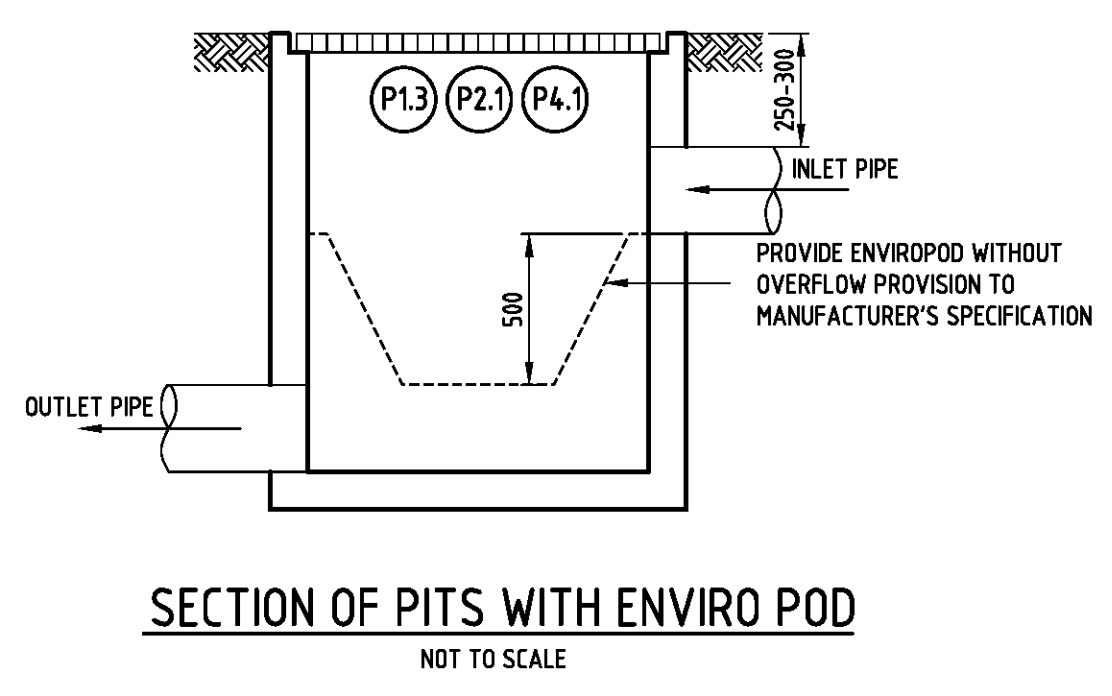
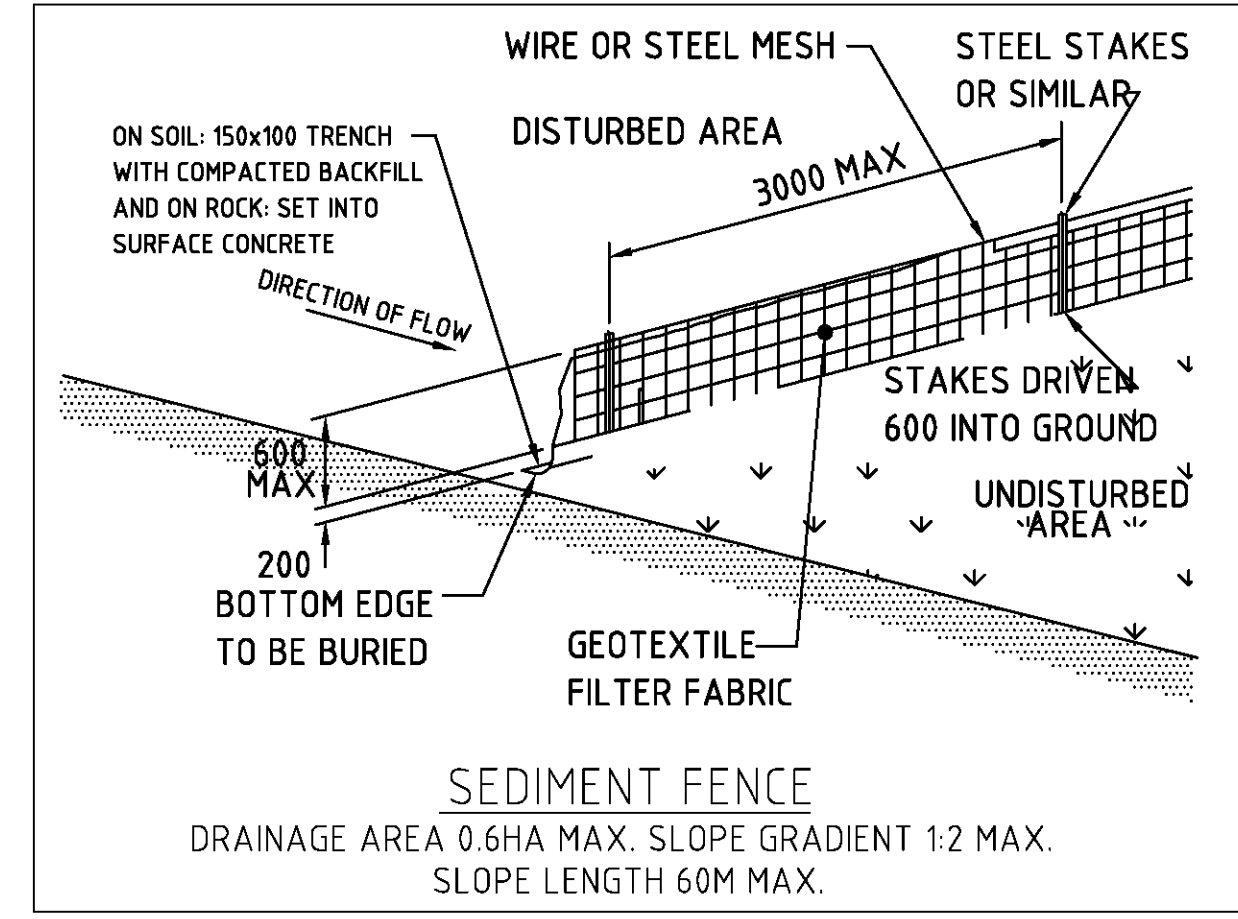
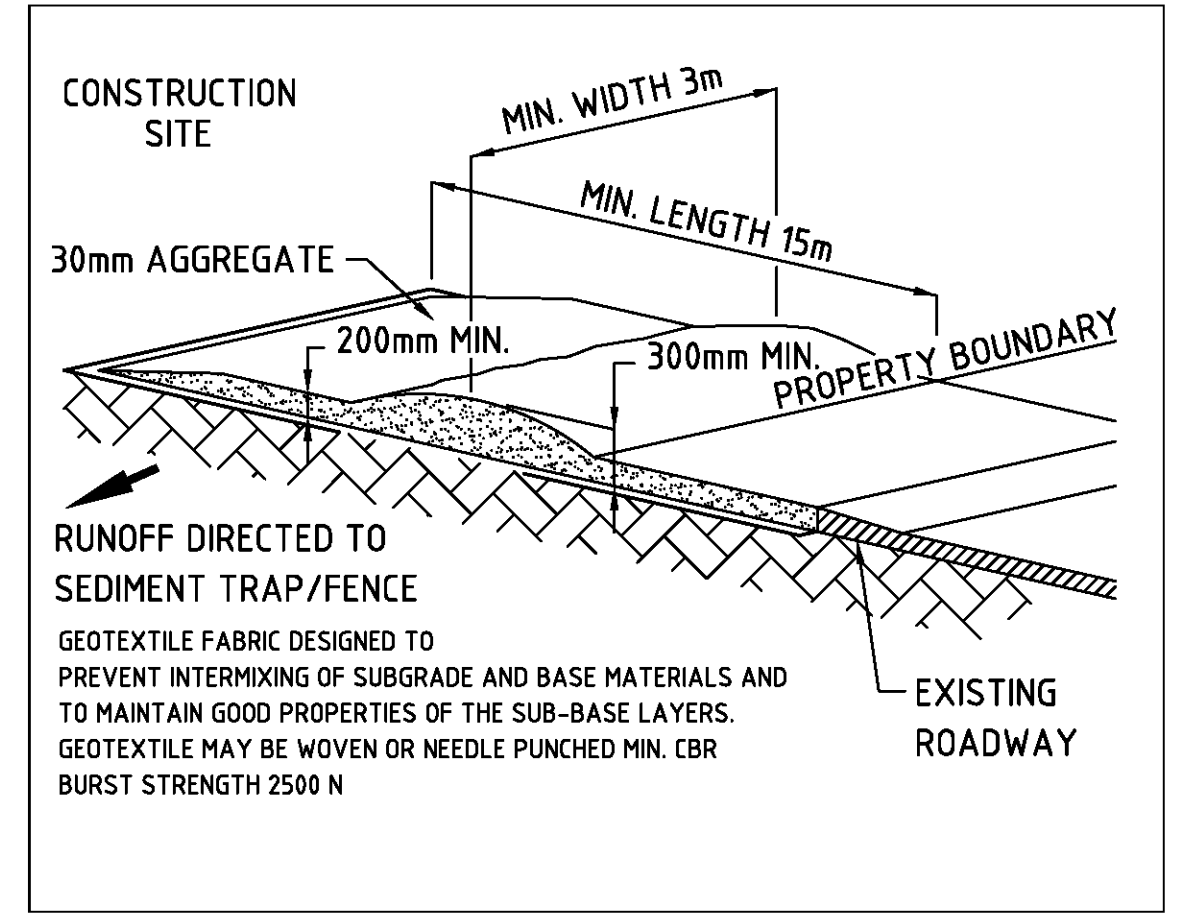
STANDARD NICHOLAS TRI SCREEN  
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ORIFICE PLATE  
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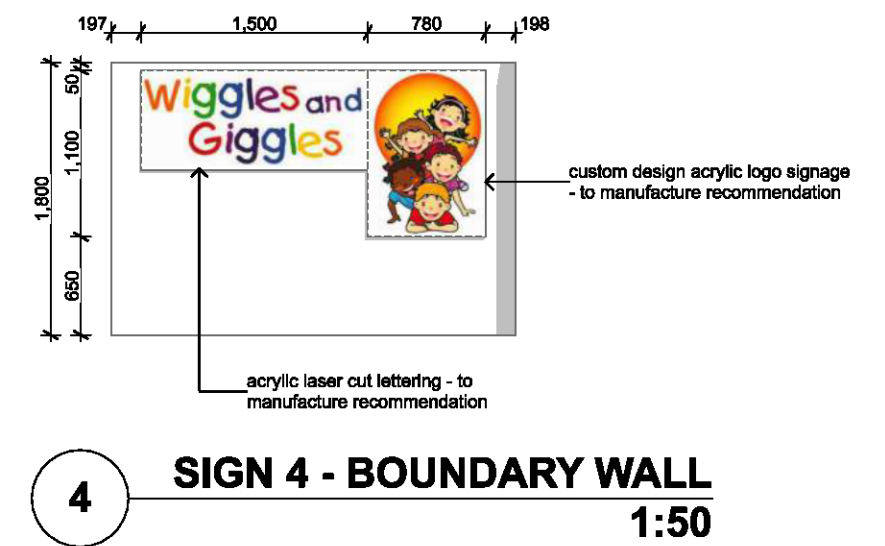
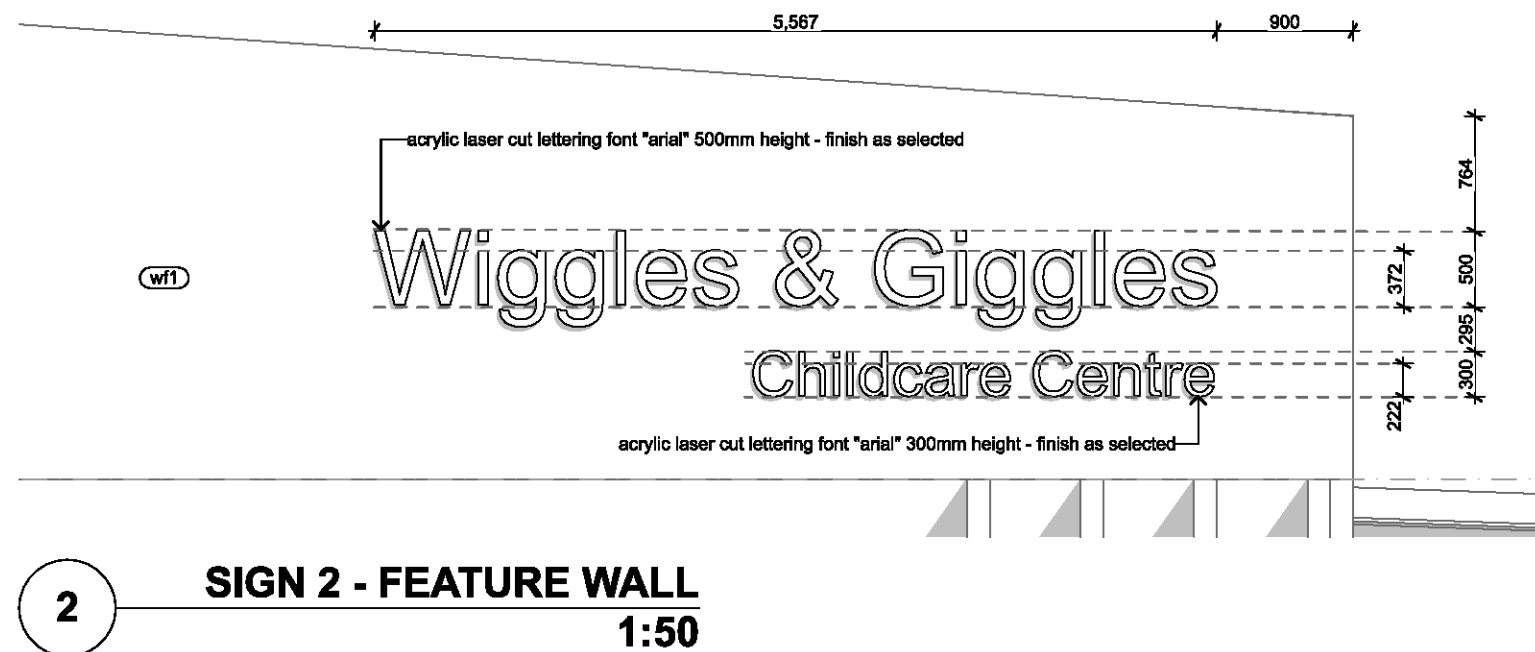
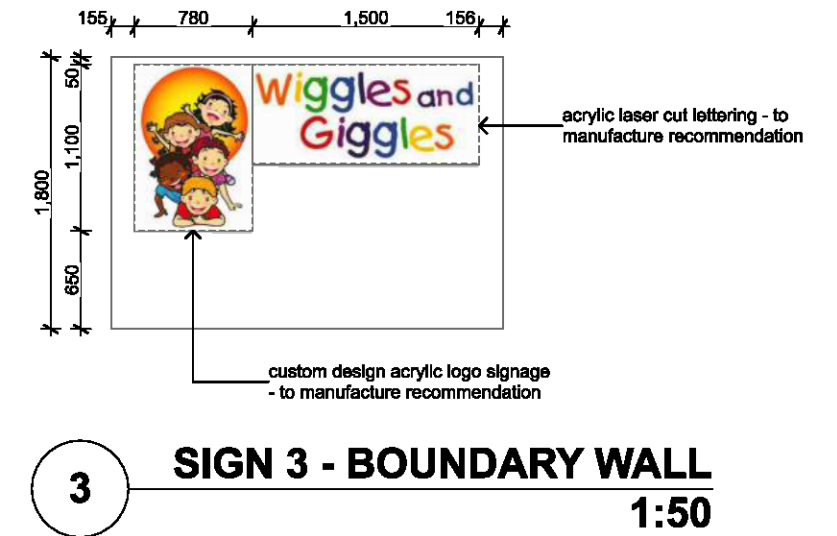
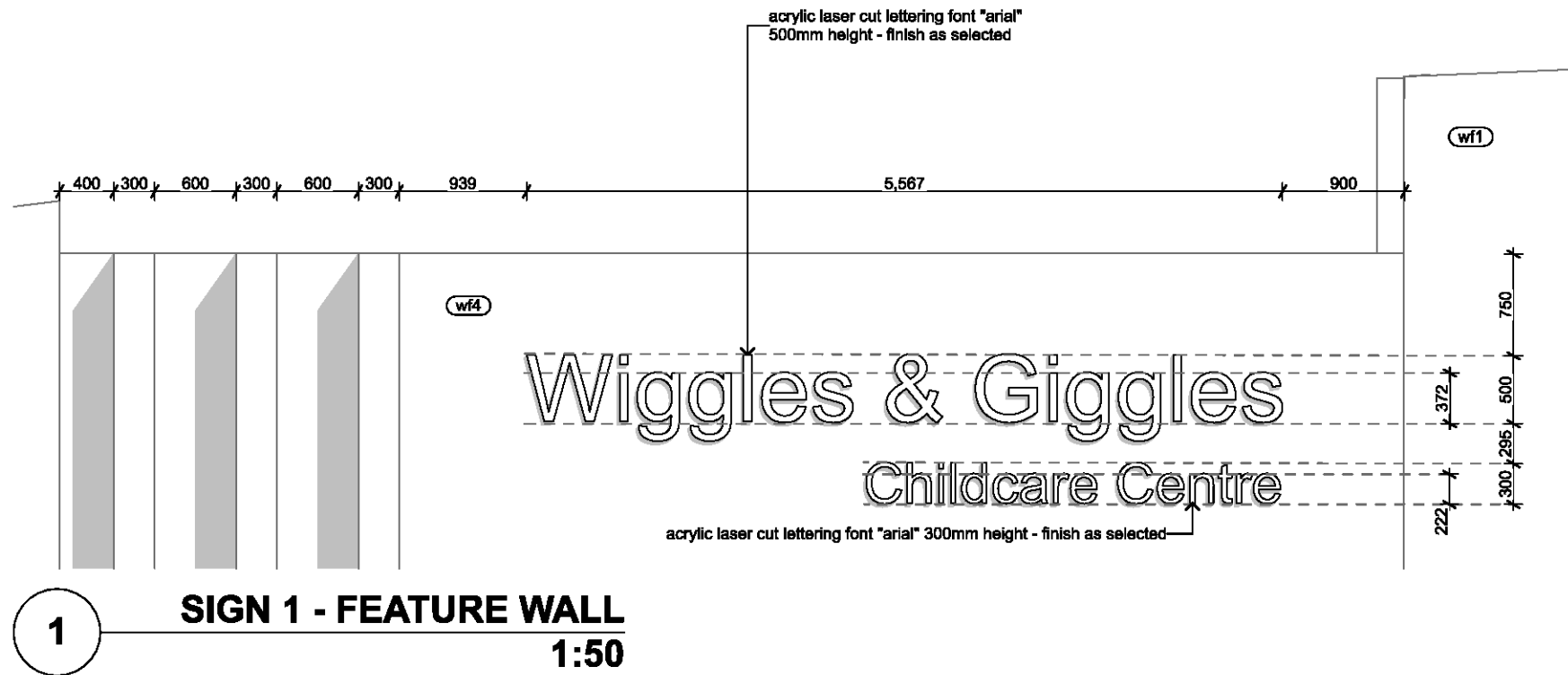


PIPE TRENCH  
NOT TO SCALE



SECTION OF PITS WITH ENVIRO POD  
NOT TO SCALE

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A	FOR DA SUBMISSION	28 SEP 20	
ISSUE	DESCRIPTION	DATE	
<b>CONSULTING CIVIL ENGINEERS</b> <b>Rammy Associates Pty Ltd</b>		TITLE	DRAINAGE DETAILS
		PROJECT	PROPOSED CHILDCARE CENTER
		LOCATION	15-17 GARSWOOD RD GLENMORE PK
		LOT/D.P.	4211 / 1150762
		OWNER	
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			<p>DA01</p>	<p>30/09/20</p>	<p>DA SUBMISSION</p>	<p><b>CLIENT:</b> [REDACTED]</p>	<p><b>DP NUMBER:</b> 1150762</p>	<p><b>SCALE</b> 1:50 @ A3</p>	<p><b>DATE</b> 30/09/20</p>	<p><b>DRAWN</b> M.B.</p>
						<p><b>COUNCIL:</b> PENRITH CITY COUNCIL</p>	<p><b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745</p>	<p><b>DRG NO</b> A800</p>	<p><b>ISSUE</b> DA01</p>	<p><b>PAGE</b> 26 / 26</p>



## IN CASE OF FIRE

**R**EMOVE PEOPLE  
from immediate danger

**A**LERT THE FIRE SERVICE

- break manual call point
- call 000

**C**ONFINE FIRE & SMOKE  
close doors and windows (if safe to do so)

**E**VACUATE  
to the ASSEMBLY AREA

### EVACUATION PROCEDURES

**STAGE 1:- Removal of people from the immediate Danger Area**

Occupants and staff in the immediate danger area are to assemble a safe distance away from the fire and smoke. When the area has been evacuated all doors and windows should be closed to contain fire.

**STAGE 2:- Removal to a Safe Area**

If the severity of the smoke or fire warrants further evacuation, occupants should be moved through fire/smoke doors to a safe area.

**STAGE 3:- Complete Evacuation of Entire Complex**

Should the emergency necessitate evacuation of the whole building, the Manager or the Fire Service will direct occupants from the safe place to the **ASSEMBLY AREA**.

**STAGE 4:- Roll Call.**

To be conducted as soon as possible and to ensure all Persons are accounted for. Report all missing persons to **FIRE OFFICERS**.

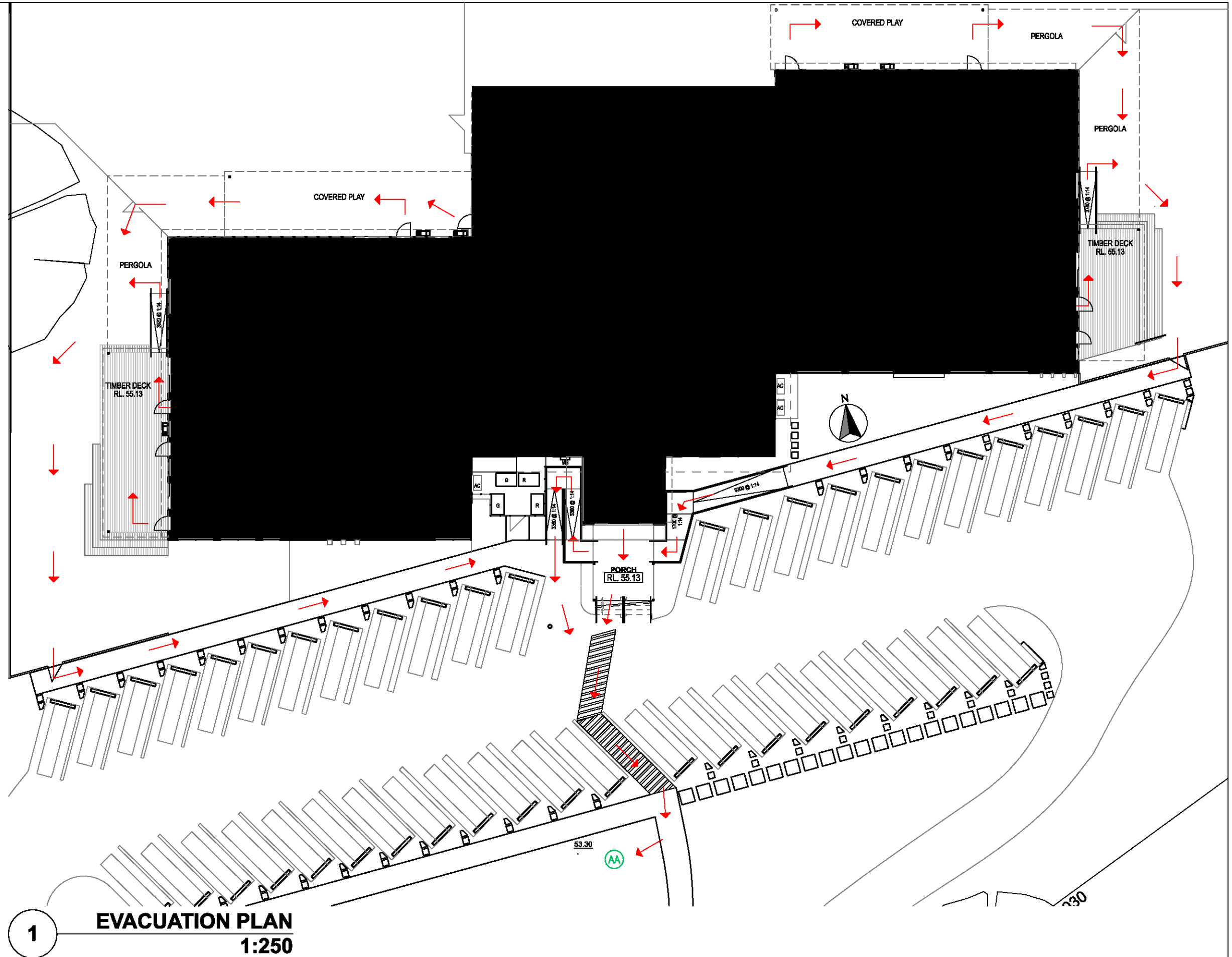
Mobility impaired persons should evacuate immediately on hearing the fire alarm assisted by a nominated person.



**000**  
**EMERGENCY**  
In an emergency dial 000

### LEGEND

	Fire hose reel as per AS2441	x1
	Fire extinguishers as per AS2444; AS1841; Part E1.6 (BCA)	x8
	Fire Blanket(s) as per AS2444; AS3504	x1
	Exit sign as per AS/NZ2293.3; Part E4.5 & E4.6 & E4.8 (BCA)	x19
	Exit path	
	Assembly Area	x1



## EVACUATION PLAN

1:250

DESIGN M  
STUDIO

NOTES:  
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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

PROJECT TITLE:  
PROPOSED CHILDCARE CENTRE

CLIENT:  
[REDACTED]

COUNCIL:  
PENRITH CITY COUNCIL

LOT NUMBER:  
4211


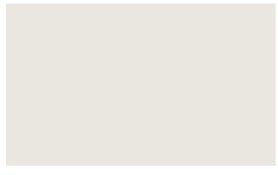




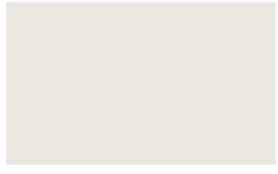



DP NUMBER:  
1150762

PROJECT ADDRESS:  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745







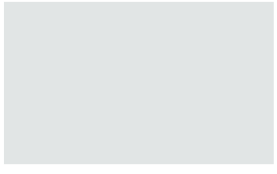


DRAWING TITLE: EVACUATION PLAN		
SCALE 1:250 @ A3	DATE 30/09/20	DRAWN M.B.
DRG NO A701	ISSUE DA01	PAGE 25 / 26



**FINISHES SCHEDULE**

CODE	IMAGE	DESCRIPTION	LOCATION
mr1		Colorbond metal roof & downpipes Brand: Colorbond Colour: Shale Grey	Roof & Downpipes
r1		Sofit paint Brand: Dulux Colour: Casper White Quarter	Sofit
wf1		Wall Cladding Panel Brand: Weatherex Product: Weathergroove 300mm Colour: Natural	External wall
wf2		Wall Cladding Panel Brand: Weatherex Product: Weathergroove Smooth 150mm Colour: Colorbond Woodland Grey	External wall
wf3		Wall Cladding Panel Brand: Scyon Product: Matrix Cladding 600x1200mm Colour: Dulux Sea Breeze Half	Feature blade walls
wf4		Stone Cladding Brand: Scyon Product: Matrix Cladding 600x1200mm Colour: Dulux Sea Breeze Half	External wall
w5		Hebel Wall Brand: Dulux Colour: Casper White Quarter	External wall (Outdoor Play Area)
w6		Hebel Wall (Feature) Brand: Dulux Colour: Sea Breeze Half	External wall (Outdoor Play Area)
w7		Hebel Wall (Feature) Brand: Dulux Colour: Folle	External wall (Outdoor Play Area)
w8		Hebel Wall (Feature) Brand: Dulux Colour: Pale Daffodil	External wall (Outdoor Play Area)

**FINISHES SCHEDULE**

CODE	IMAGE	DESCRIPTION	LOCATION
df		Aluminum Decorative Feature Brand: Supawood Product: Aludlick Material: Aluminium Colour: Woodgrain - Brown Oak	Suspended Ceiling over Porch
fr		Entry columns, Aluminium Frames, Trims & Gutter Brand: Colorbond Colour: Monument	Entry Columns External Window & Door Frames Gutter
bf1		Chainlink Fence Colour: Green	Boundary Fence
fe1		Palisade Fence/Gate Colour: Green	Outdoor Play Area Fence & Front Boundary Gate
fe2		Lapped-and-Capped Timber Fence Finish: Natural	Acoustic Fence
b1		Frameless Glass Balustrade Glass: Clear Fixtures: Stainless Steel	Entry Porch
b2		Accessible Handrail Glass: Clear Handrail: Stainless Steel Fixtures: Stainless Steel	Entry Ramp & Steps
si		Acrylic Laser Cut Lettering Signage Colour: White	Building Facade
ss		Shade Sail Fabric Colour: Beige Structure Colour: White	Outdoor Play Area
ca		Driveway / Carpark Colour: Colourbond Ironstone	Driveway/Carpark

DESIGN M STUDIO

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<b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE
<b>CLIENT:</b> [REDACTED]
<b>COUNCIL:</b> PENRITH CITY COUNCIL

<b>LOT NUMBER:</b> 4211
<b>DP NUMBER:</b> 1150762
<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

<b>DRAWING TITLE:</b> SCHEDULE OF FINISHES		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A608	<b>ISSUE</b> DA01	<b>PAGE</b> 24 / 26



**Window Schedule**

ID	Elevation	Width	Height	Sill Height	Head Height	Outside Frame Finish	Glass
EW-01		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-02		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-03		3,000	2,400	300	2,700	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-04		3,000	2,400	300	2,700	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-05		2,400	3,000	1,200	4,200	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-06		1,200	3,000	1,200	4,200	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-07		1,200	3,000	1,200	4,200	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-08		3,000	2,000	1,000	3,000	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark



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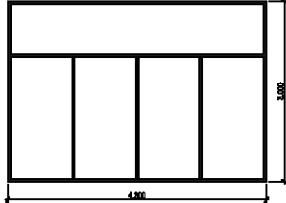
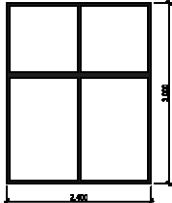
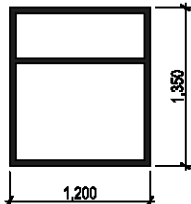
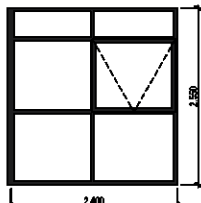
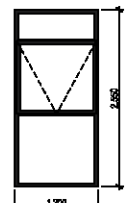
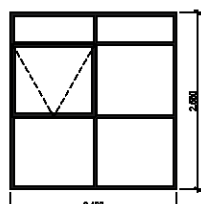
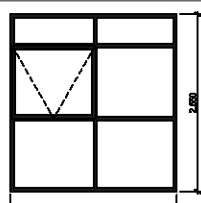
**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: WINDOW SCHEDULE		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A600	<b>ISSUE</b> DA01	<b>PAGE</b> 16 / 26



**Window Schedule**

ID	Elevation	Width	Height	Sill Height	Head Height	Outside Frame Finish	Glass
EW-09		550	3,000	0	3,000	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-10		4,300	3,000	0	3,000	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-11		2,400	3,000	1,200	4,200	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-12		1,200	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-13		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-14		1,200	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-15		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-16		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark



**NOTES:**  
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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

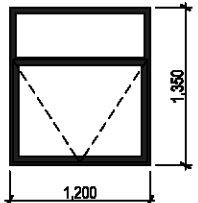
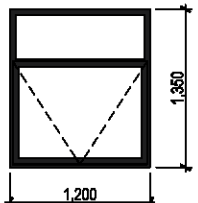
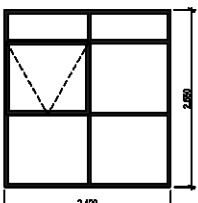
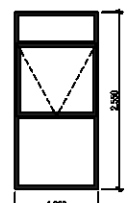
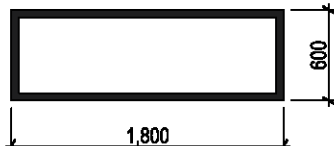
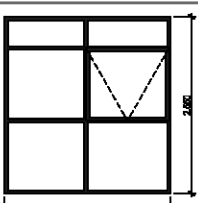
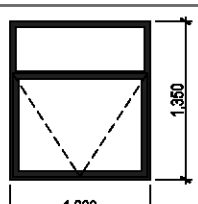
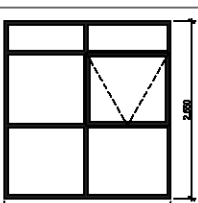
**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: WINDOW SCHEDULE		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A801	<b>ISSUE</b> DA01	<b>PAGE</b> 17 / 26



**Window Schedule**

ID	Elevation	Width	Height	Sill Height	Head Height	Outside Frame Finish	Glass
EW-17		1,200	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-18		1,200	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-19		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-20		1,200	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-21		1,800	600	1,200	1,800	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-22		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-23		1,200	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-24		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark



**NOTES:**  
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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: WINDOW SCHEDULE		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A802	<b>ISSUE</b> DA01	<b>PAGE</b> 18 / 26



**Window Schedule**

ID	Elevation	Width	Height	Sill Height	Head Height	Outside Frame Finish	Glass
EW-25		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-26		3,000	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-27		3,000	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-28		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-29		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-30		1,200	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-31		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-32		2,400	2,550	0	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark



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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

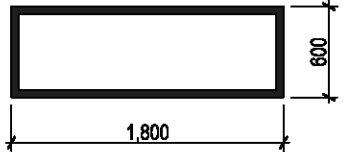
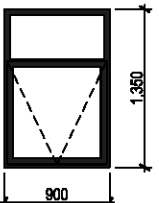
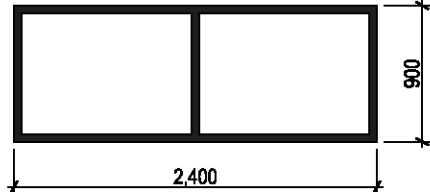
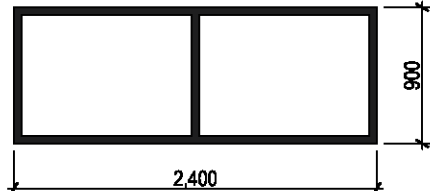
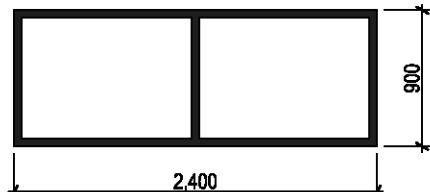
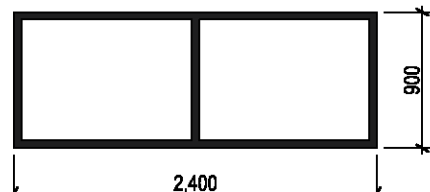
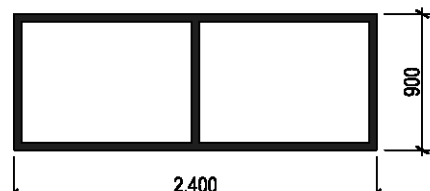
**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: WINDOW SCHEDULE		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A803	<b>ISSUE</b> DA01	<b>PAGE</b> 19 / 26

**Window Schedule**

ID	Elevation	Width	Height	Sill Height	Head Height	Outside Frame Finish	Glass
EW-33		1,800	600	1,200	1,800	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-34		900	1,350	1,200	2,550	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-35		2,400	900	4,400	5,300	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-36		2,400	900	4,400	5,300	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-37		2,400	900	4,400	5,300	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-38		2,400	900	4,400	5,300	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark
EW-39		2,400	900	4,400	5,300	COLORBOND® Steel MONUMENT®	Glass - Tinted Dark



**NOTES:**  
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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: WINDOW SCHEDULE		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A604	<b>ISSUE</b> DA01	<b>PAGE</b> 20 / 26



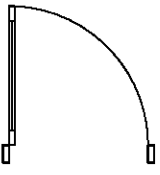
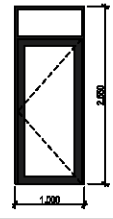
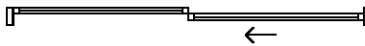
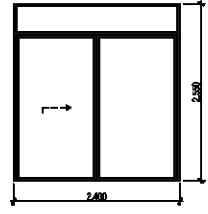
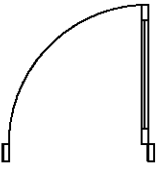
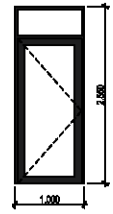
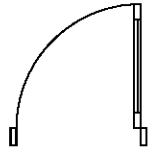
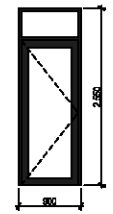
Door Schedule											
ID	Leaf Width	Opening Width	Opening Height	Sill Height	Head Height	Plan Preview	Elevation	Outside Frame Finish	Glass	Handle Height	Fire Exit
ED-01	3,920	4,000	3,000	0	3,000			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-02	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-03	1,720	1,800	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-04	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-05	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-06	2,320	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-07	2,320	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-08	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>

	<b>NOTES:</b> All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site & inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.	<b>THE USE OF THESE DRAWINGS:</b> The design and details shown on the drawings are applicable to this product only and may not be reproduced in whole or in part or be used for any other project or purpose without the written permission of Design M Studio with whom copyright resides.	<b>ISSUE</b> DA01	<b>DATE</b> 30/09/20	<b>DESCRIPTION</b> DA SUBMISSION	<b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE	<b>LOT NUMBER:</b> 4211	<b>DRAWING TITLE:</b> DOOR SCHEDULE		
			<b>CLIENT:</b> 	<b>DP NUMBER:</b> 1150762	<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.			
			<b>COUNCIL:</b> PENRITH CITY COUNCIL	<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745	<b>DRG NO</b> A605	<b>ISSUE</b> DA01	<b>PAGE</b> 21 / 26			

Door Schedule											
ID	Leaf Width	Opening Width	Opening Height	Sill Height	Head Height	Plan Preview	Elevation	Outside Frame Finish	Glass	Handle Height	Fire Exit
ED-09	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-10	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-11	2,320	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-12	2,344	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-13	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-14	2,320	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-15	820	900	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-16	2,320	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>

	<b>NOTES:</b> All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site & inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.	<b>THE USE OF THESE DRAWINGS:</b> The design and details shown on the drawings are applicable to this product only and may not be reproduced in whole or in part or be used for any other project or purpose without the written permission of Design M Studio with whom copyright resides.	<b>ISSUE</b> DA01	<b>DATE</b> 30/09/20	<b>DESCRIPTION</b> DA SUBMISSION	<b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE	<b>LOT NUMBER:</b> 4211	<b>DRAWING TITLE:</b> DOOR SCHEDULE		
						<b>CLIENT:</b> 	<b>DP NUMBER:</b> 1150762	<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
						<b>COUNCIL:</b> PENRITH CITY COUNCIL	<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745	<b>DRG NO</b> A806	<b>ISSUE</b> DA01	<b>PAGE</b> 22 / 26



Door Schedule											
ID	Leaf Width	Opening Width	Opening Height	Sill Height	Head Height	Plan Preview	Elevation	Outside Frame Finish	Glass	Handle Height	Fire Exit
ED-17	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-18	2,320	2,400	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>
ED-19	920	1,000	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input checked="" type="checkbox"/>
ED-20	820	900	2,550	0	2,550			COLORBOND® Steel MONUMENT®	Glass - Tinted Dark	1,000	<input type="checkbox"/>



**NOTES:**  
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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

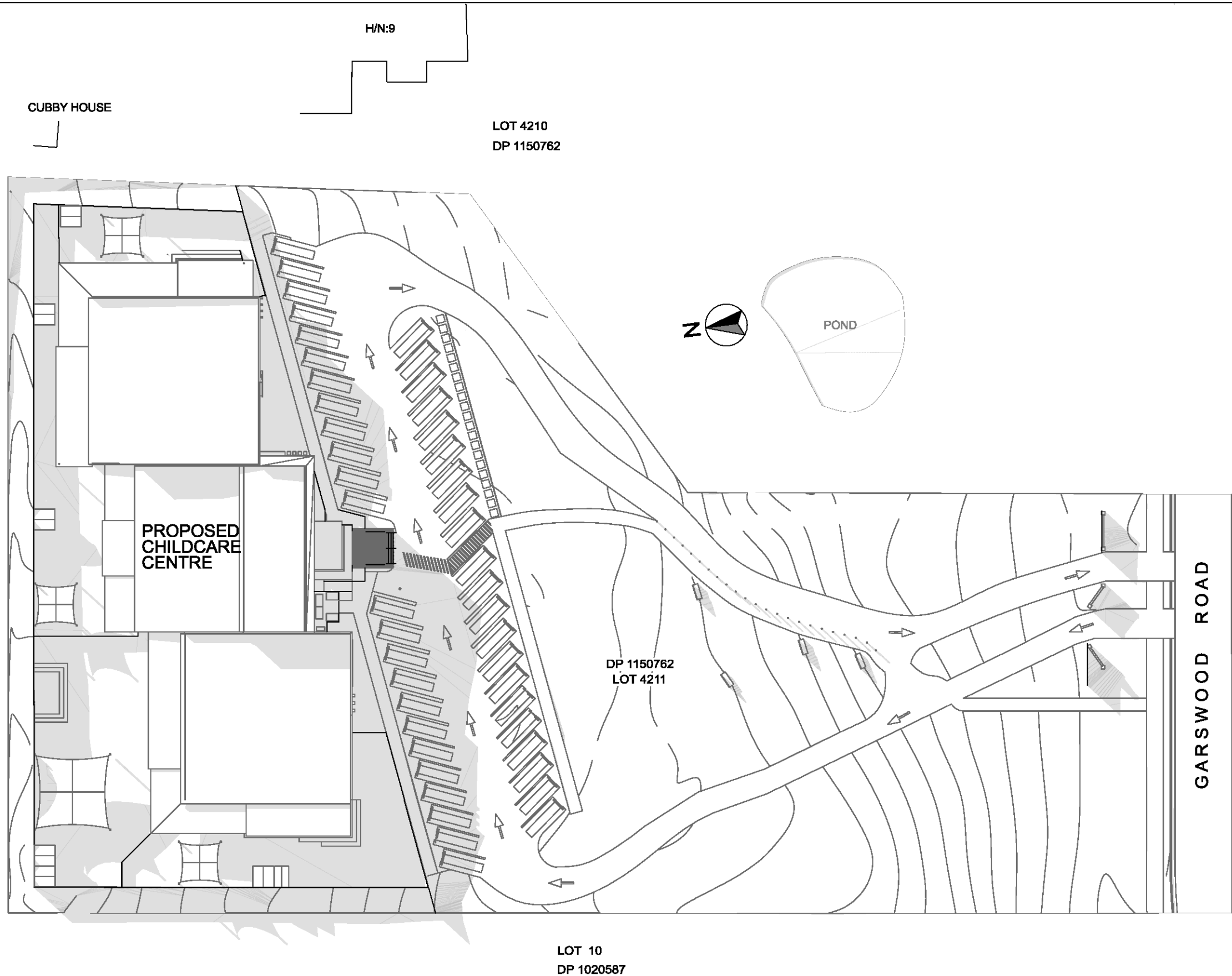
**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: DOOR SCHEDULE		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A607	<b>ISSUE</b> DA01	<b>PAGE</b> 23 / 26



**1** **SHADOW DIAGRAM - 21 JUN AT 9AM**  
**1:500**

DESIGN M STUDIO

**NOTES:**  
All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site & inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.

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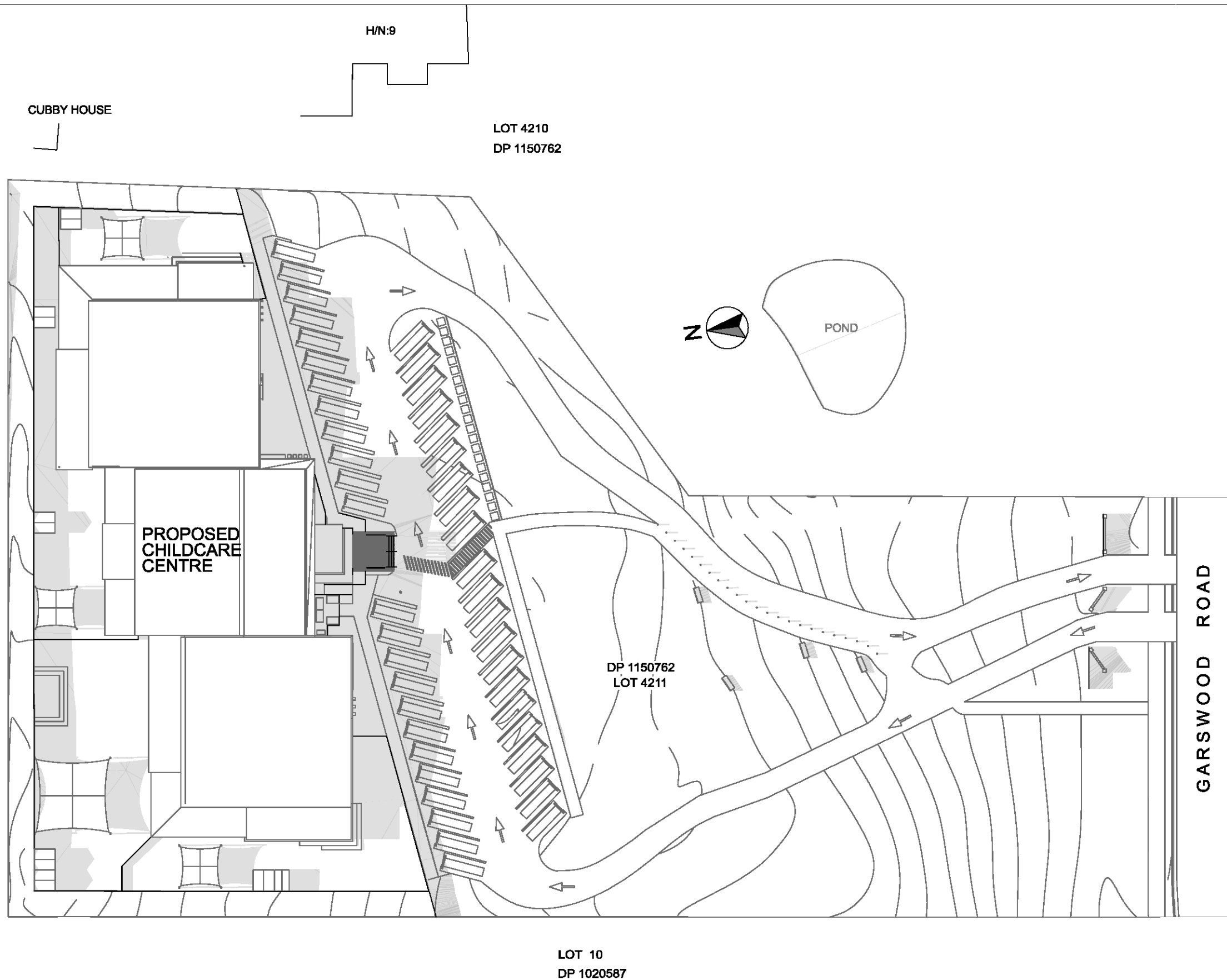
ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

<b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE
<b>CLIENT:</b> [REDACTED]
<b>COUNCIL:</b> PENRITH CITY COUNCIL

<b>LOT NUMBER:</b> 4211
<b>DP NUMBER:</b> 1150762
<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

<b>DRAWING TITLE:</b> SHADOW DIAGRAM 1 OF 3		
<b>SCALE</b> 1:500 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A500	<b>ISSUE</b> DA01	<b>PAGE</b> 13 / 26





**2 SHADOW DIAGRAM - 21 JUN AT 12PM**  
**1:500**



**NOTES:**  
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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
 PROPOSED CHILDCARE CENTRE

**CLIENT:**  
 [REDACTED]

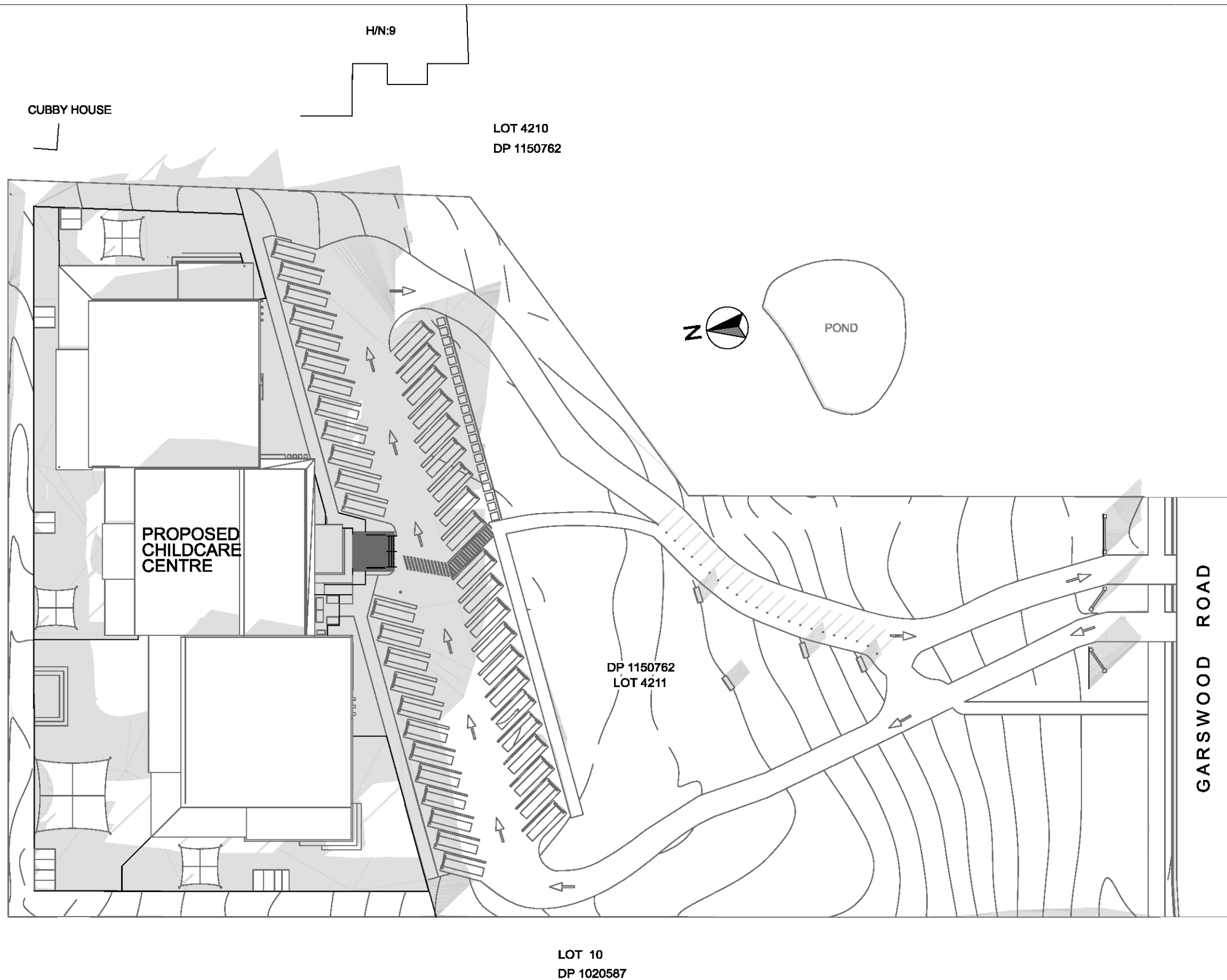
**COUNCIL:**  
 PENRITH CITY COUNCIL

**LOT NUMBER:**  
 4211

**DP NUMBER:**  
 1150762

**PROJECT ADDRESS:**  
 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

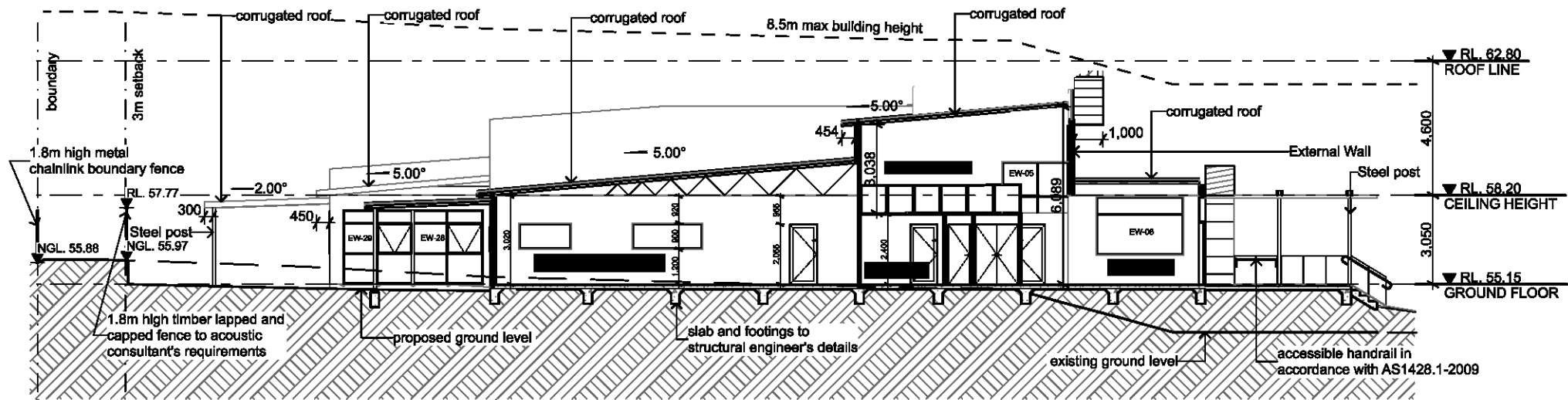
DRAWING TITLE: SHADOW DIAGRAM 2 OF 3		
<b>SCALE</b> 1:500 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A501	<b>ISSUE</b> DA01	<b>PAGE</b> 14 / 26



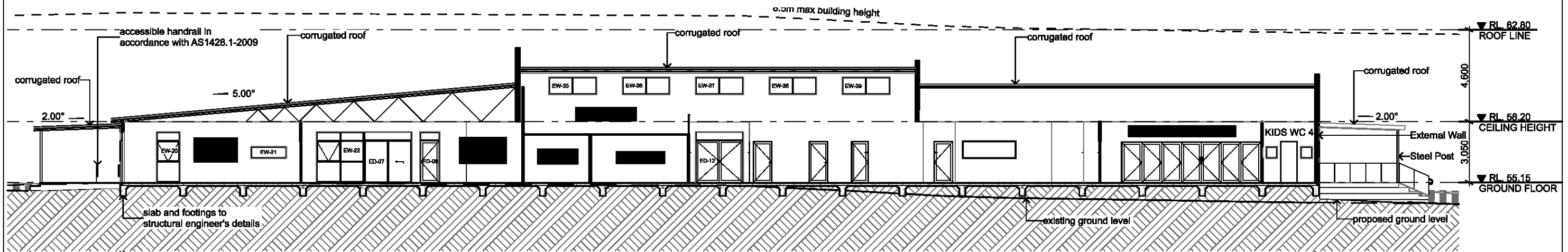
**3** **SHADOW DIAGRAM - 21 JUN AT 3PM**  
**1:500**

	<p><b>NOTES:</b> All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site &amp; inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.</p>	<p><b>THE USE OF THESE DRAWINGS:</b> The design and details shown on the drawings are applicable to this product only and may not be reproduced in whole or in part or be used for any other project or purpose without the written permission of Design M Studio with whom copyright resides.</p>	<p><b>ISSUE</b></p>	<p><b>DATE</b></p>	<p><b>DESCRIPTION</b></p>	<p><b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE</p>	<p><b>LOT NUMBER:</b> 4211</p>	<p><b>DRAWING TITLE:</b> SHADOW DIAGRAM 3 OF 3</p>		
			<p>DA01</p>	<p>30/09/20</p>	<p>DA SUBMISSION</p>	<p><b>CLIENT:</b> [REDACTED]</p>	<p><b>DP NUMBER:</b> 1150762</p>	<p><b>SCALE</b> 1:500 @ A3</p>	<p><b>DATE</b> 30/09/20</p>	<p><b>DRAWN</b> M.B.</p>
						<p><b>COUNCIL:</b> PENRITH CITY COUNCIL</p>	<p><b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745</p>	<p><b>DRG NO</b> A502</p>	<p><b>ISSUE</b> DA01</p>	<p><b>PAGE</b> 15 / 26</p>





**1** SECTION  
1:200



**2** SECTION  
1:200

DESIGN M  
STUDIO

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**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

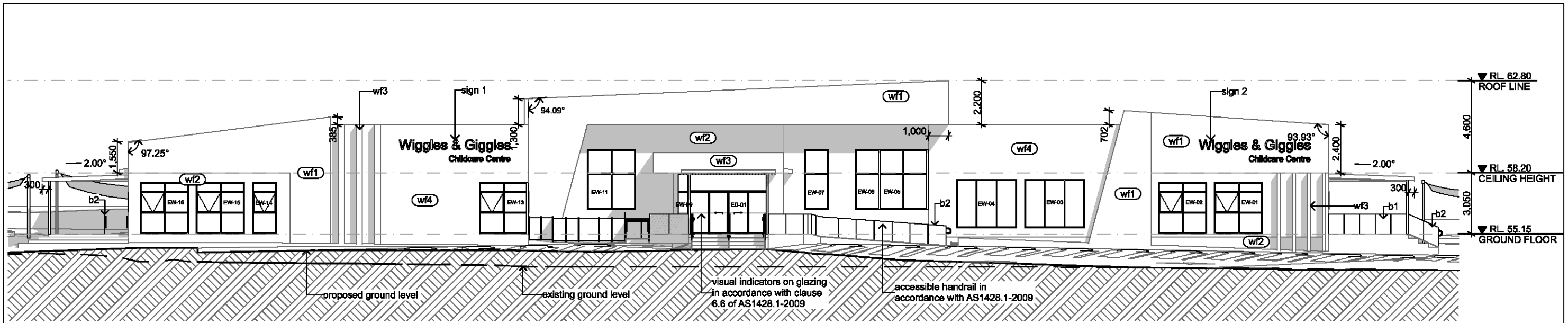
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PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

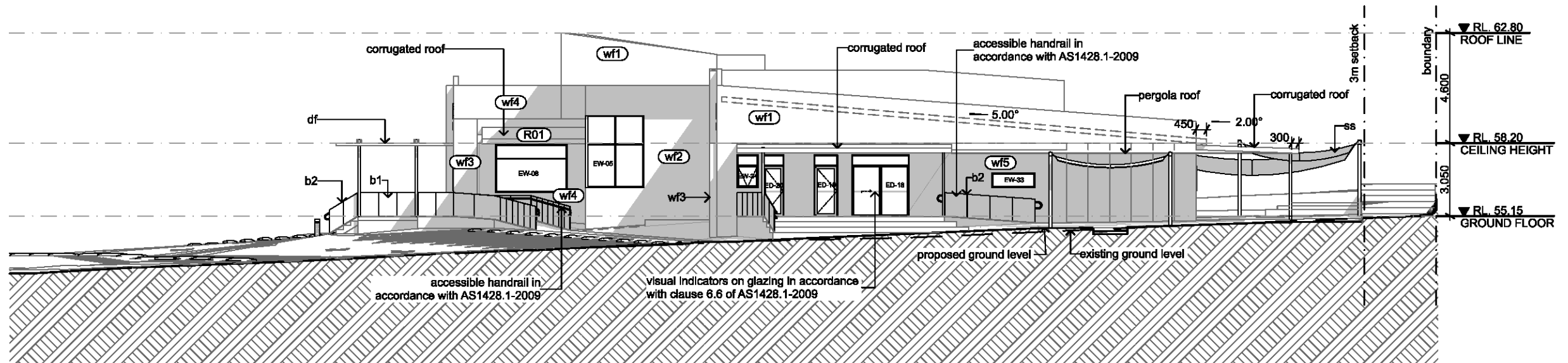
**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: SECTIONS		
<b>SCALE</b> 1:200 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A400	<b>ISSUE</b> DA01	<b>PAGE</b> 12 / 26



**1 SOUTH ELEVATION (FRONT)**  
1:200



**2 EAST ELEVATION (SIDE)**  
1:200

DESIGN M  
STUDIO

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**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
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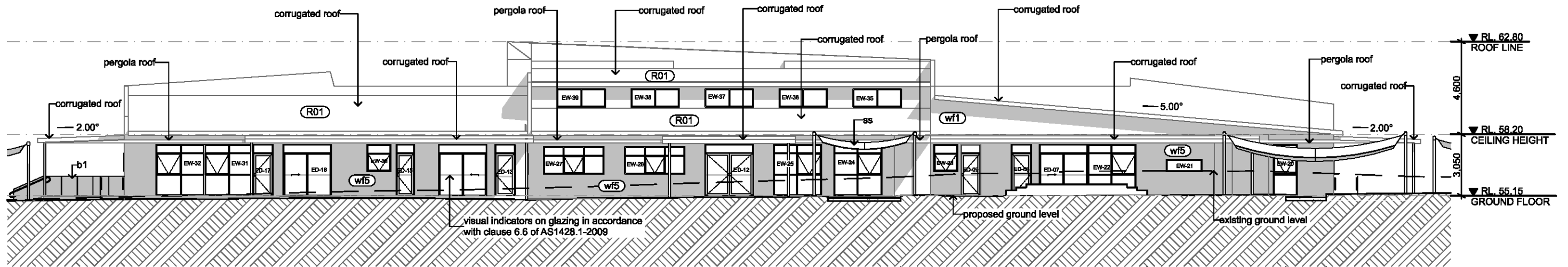
**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

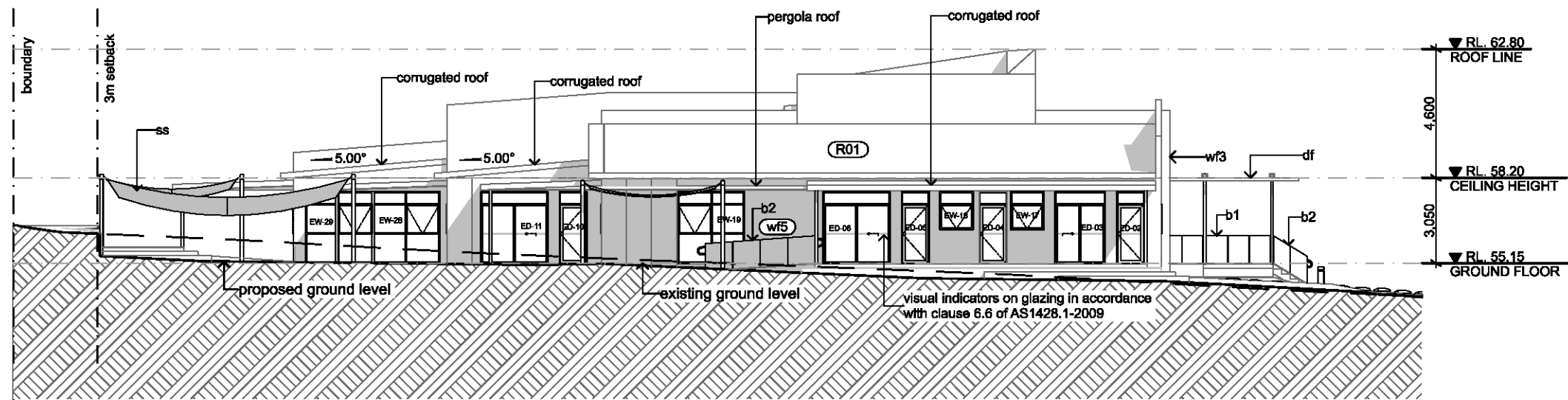
**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: ELEVATIONS 1 OF 2		
<b>SCALE</b> 1:200 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A300	<b>ISSUE</b> DA01	<b>PAGE</b> 9 / 26



**3 NORTH ELEVATION (REAR)**  
1:200



**4 WEST ELEVATION (SIDE)**  
1:200

DESIGN M STUDIO

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PROJECT TITLE:  
PROPOSED CHILDCARE CENTRE

CLIENT:  
[REDACTED]

COUNCIL:  
PENRITH CITY COUNCIL

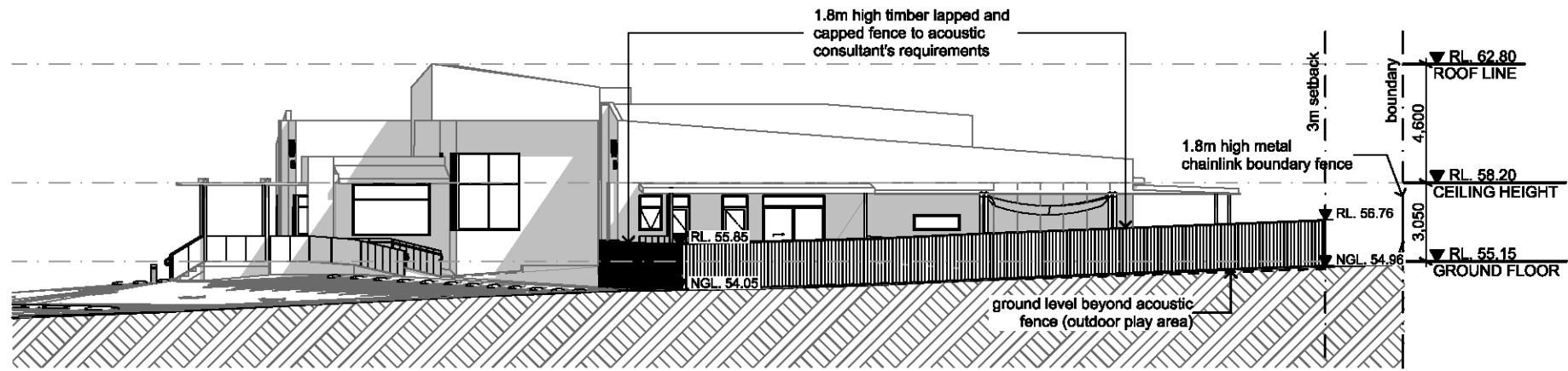
LOT NUMBER:  
4211

DP NUMBER:  
1150762

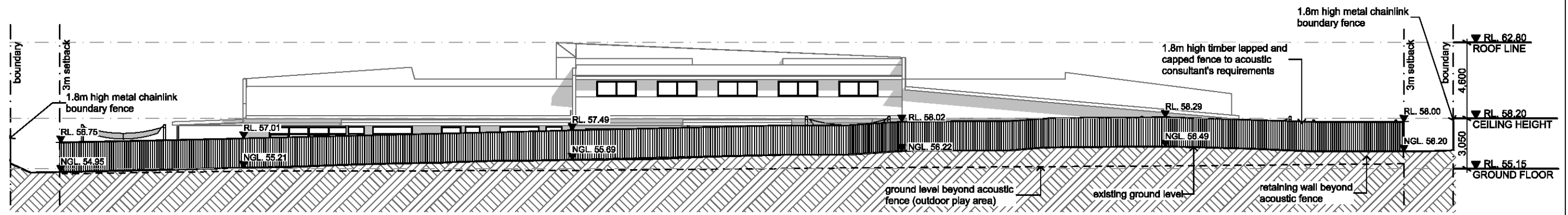
PROJECT ADDRESS:  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: ELEVATIONS 2 OF 2		
SCALE 1:200 @ A3	DATE 30/09/20	DRAWN M.B.
DRG NO A301	ISSUE DA01	PAGE 10 / 26

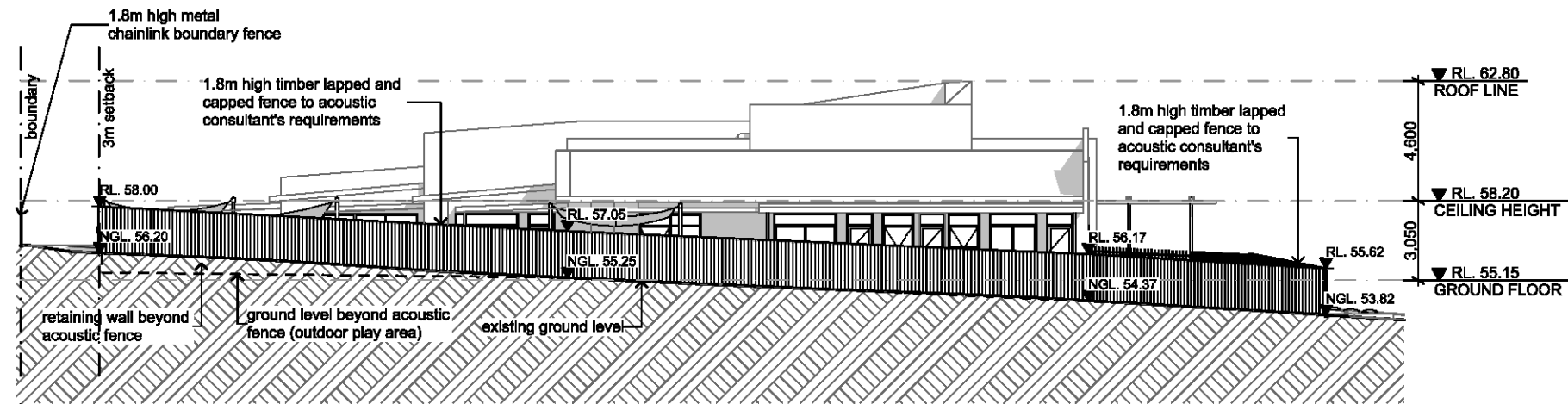




**5 EAST ELEVATION WITH FENCE (SIDE)**  
1:250



**6 NORTH ELEVATION WITH FENCE (REAR)**  
1:250



**7 WEST ELEVATION WITH FENCE (SIDE)**  
1:250

DESIGN M STUDIO

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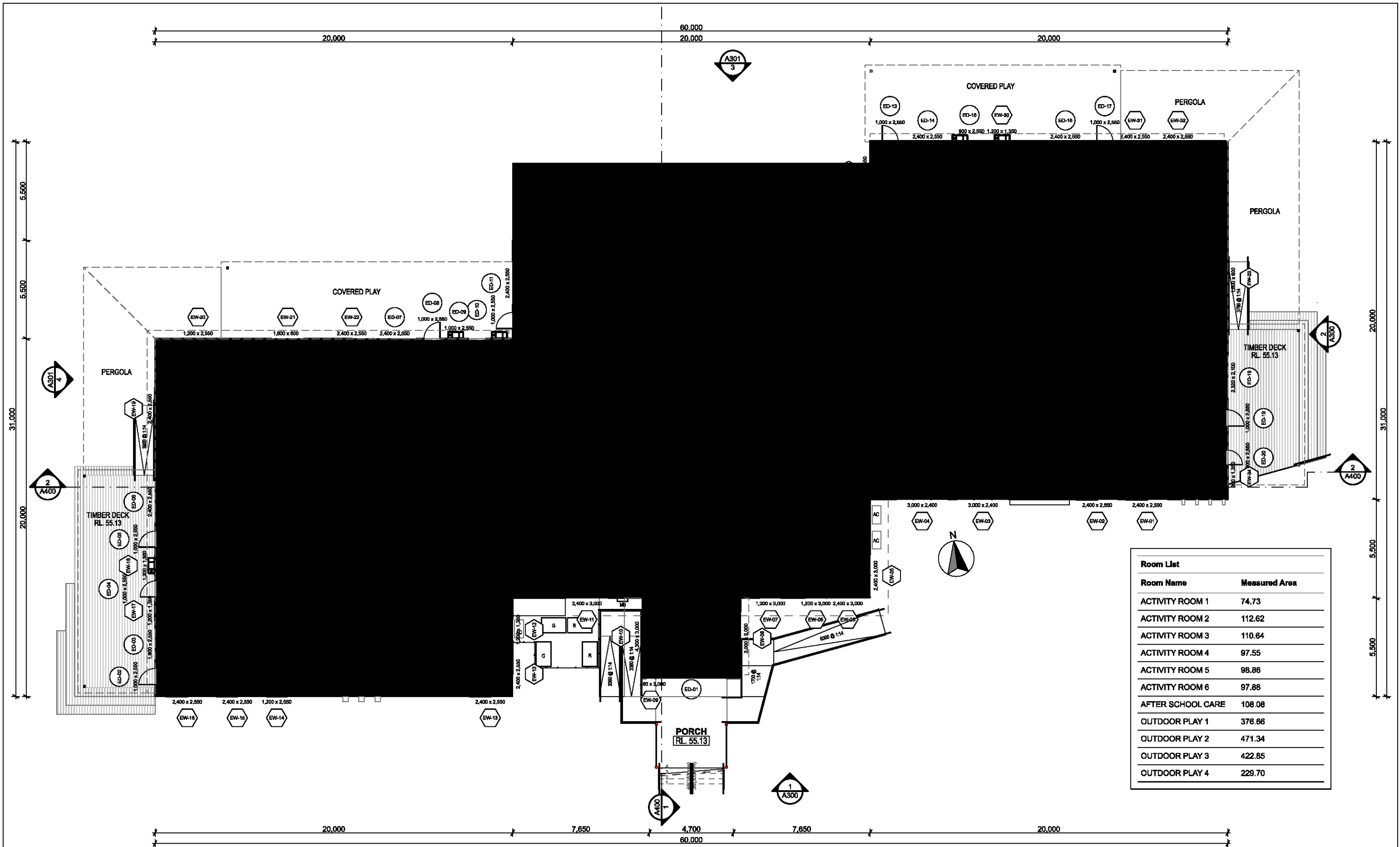
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<b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE
<b>CLIENT:</b> [REDACTED]
<b>COUNCIL:</b> PENRITH CITY COUNCIL

<b>LOT NUMBER:</b> 4211
<b>DP NUMBER:</b> 1150762
<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: ELEVATIONS WITH FENCE		
<b>SCALE</b> 1:250 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A302	<b>ISSUE</b> DA01	<b>PAGE</b> 11 / 26



**1** **GROUND PLAN**  
**1:200**



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**CLIENT:**  
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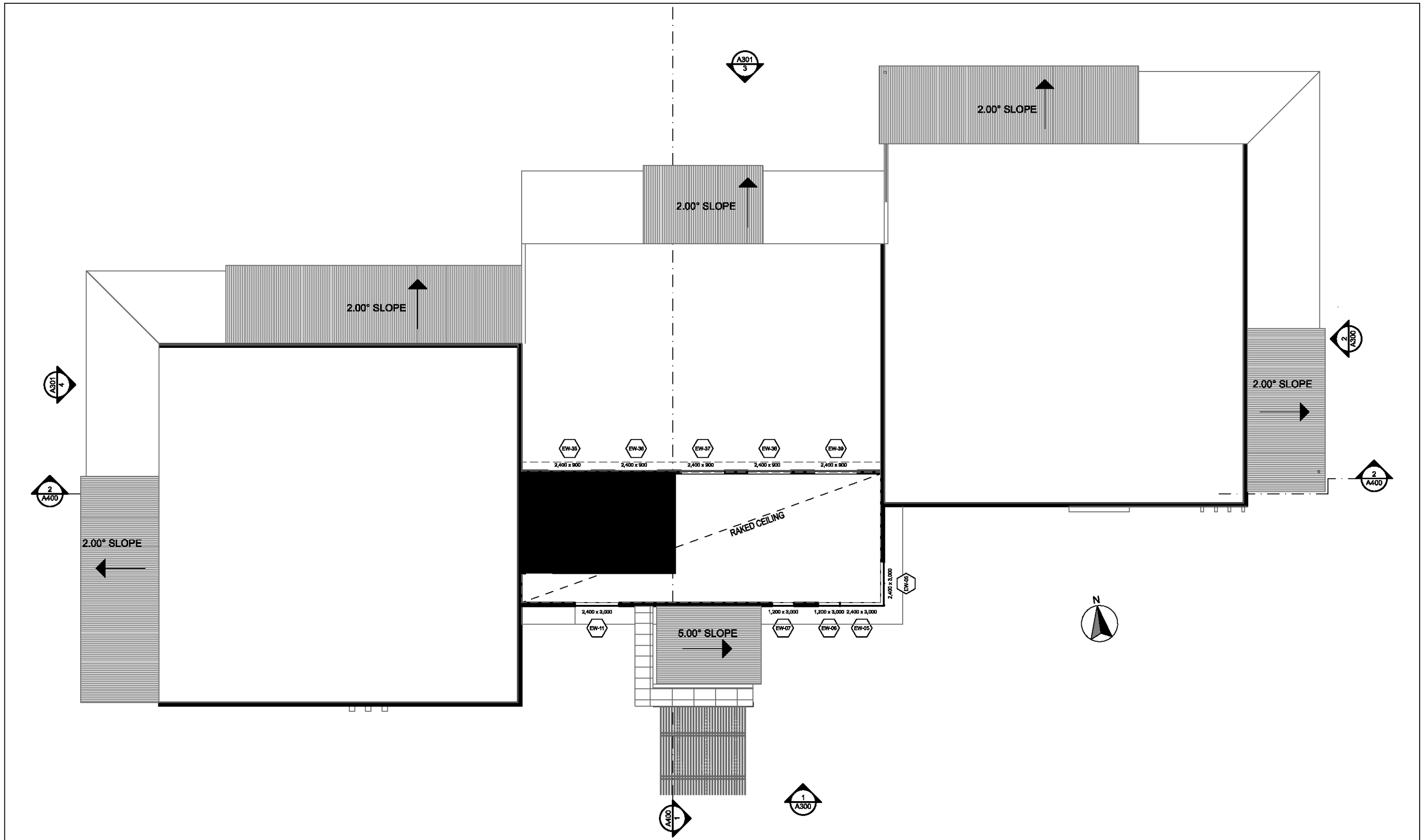
**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

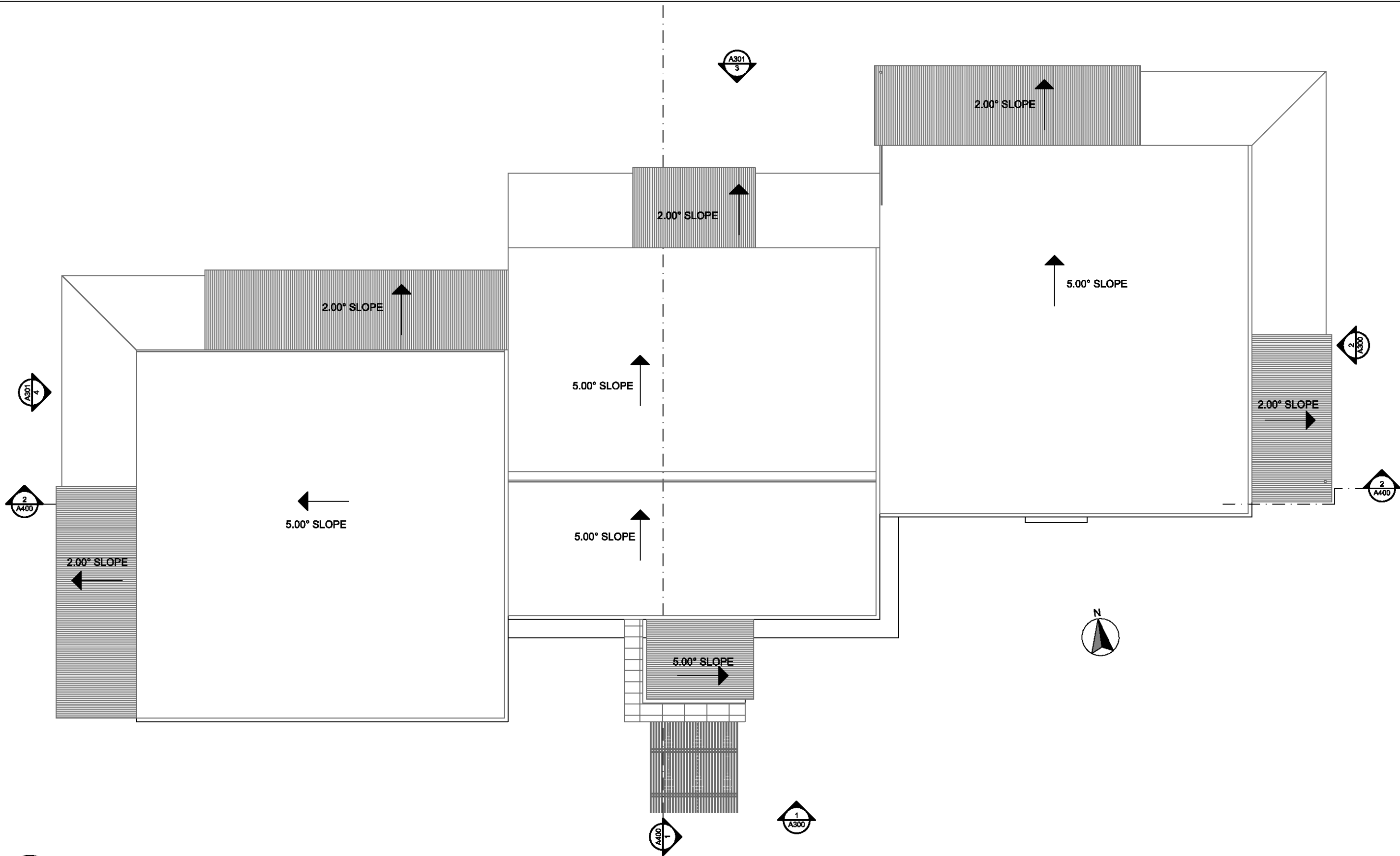
**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: GROUND FLOOR		
<b>SCALE</b> 1:200 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A200	<b>ISSUE</b> DA01	<b>PAGE</b> 6 / 26



**1 MEZZANINE PLAN**  
**1:200**

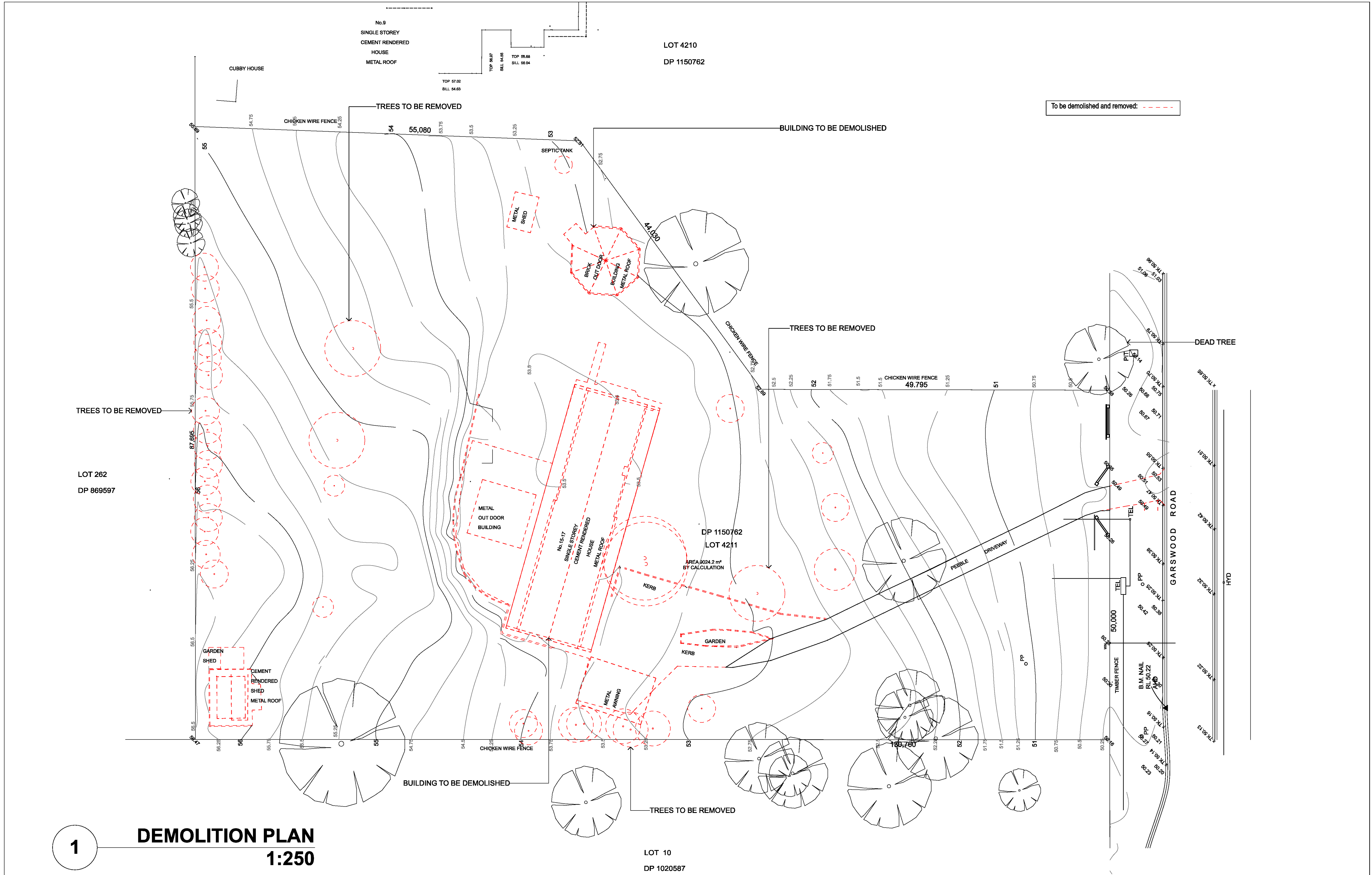
	<p><b>NOTES:</b> All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site &amp; inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.</p>	<p><b>THE USE OF THESE DRAWINGS:</b> The design and details shown on the drawings are applicable to this product only and may not be reproduced in whole or in part or be used for any other project or purpose without the written permission of Design M Studio with whom copyright resides.</p>	<p><b>ISSUE</b></p>	<p><b>DATE</b></p>	<p><b>DESCRIPTION</b></p>	<p><b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE</p>	<p><b>LOT NUMBER:</b> 4211</p>	<p><b>DRAWING TITLE:</b> CEILING PLAN</p>		
			<p>DA01</p>	<p>30/09/20</p>	<p>DA SUBMISSION</p>	<p><b>CLIENT:</b> [REDACTED]</p>	<p><b>DP NUMBER:</b> 1150762</p>	<p><b>SCALE</b> 1:200 @ A3</p>	<p><b>DATE</b> 30/09/20</p>	<p><b>DRAWN</b> M.B.</p>
						<p><b>COUNCIL:</b> PENRITH CITY COUNCIL</p>	<p><b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745</p>	<p><b>DRG NO</b> A201</p>	<p><b>ISSUE</b> DA01</p>	<p><b>PAGE</b> 7 / 26</p>



**1** **ROOF PLAN**  
**1:200**

	<p><b>NOTES:</b> All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site &amp; inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.</p>	<p><b>THE USE OF THESE DRAWINGS:</b> The design and details shown on the drawings are applicable to this product only and may not be reproduced in whole or in part or be used for any other project or purpose without the written permission of Design M Studio with whom copyright resides.</p>	<p><b>ISSUE</b></p>	<p><b>DATE</b></p>	<p><b>DESCRIPTION</b></p>	<p><b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE</p>	<p><b>LOT NUMBER:</b> 4211</p>	<p><b>DRAWING TITLE:</b> ROOF PLAN</p>		
			<p>DA01</p>	<p>30/09/20</p>	<p>DA SUBMISSION</p>	<p><b>CLIENT:</b> [REDACTED]</p>	<p><b>DP NUMBER:</b> 1150762</p>	<p><b>SCALE</b> 1:200 @ A3</p>	<p><b>DATE</b> 30/09/20</p>	<p><b>DRAWN</b> M.B.</p>
						<p><b>COUNCIL:</b> PENRITH CITY COUNCIL</p>	<p><b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745</p>	<p><b>DRG NO</b> A202</p>	<p><b>ISSUE</b> DA01</p>	<p><b>PAGE</b> 8 / 26</p>





To be demolished and removed: - - - - -

**1** **DEMOLITION PLAN**  
**1:250**

**DESIGN M STUDIO**

**NOTES:**  
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**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

<b>DRAWING TITLE:</b> DEMOLITION PLAN		
<b>SCALE</b> 1:250 @ A1	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A102	<b>ISSUE</b> DA01	<b>PAGE</b> 5 / 26

LOT 10  
DP 1020587

LOT 262  
DP 869597

LOT 4210  
DP 1150762



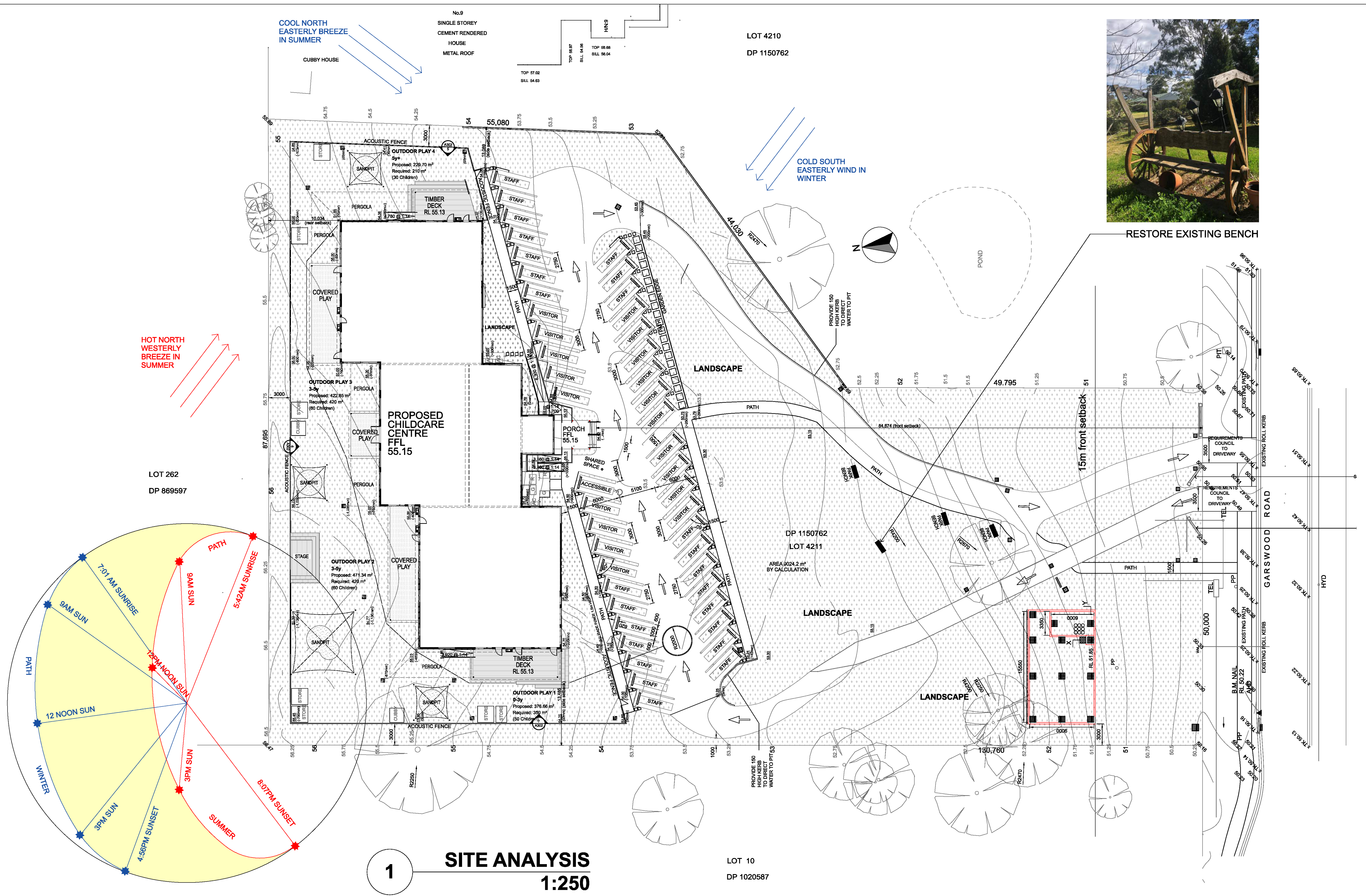
COOL NORTH  
EASTERLY BREEZE  
IN SUMMER

COLD SOUTH  
EASTERLY WIND IN  
WINTER

HOT NORTH  
WESTERLY  
BREEZE IN  
SUMMER



RESTORE EXISTING BENCH



**1** **SITE ANALYSIS**  
**1:250**



**NOTES:**  
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PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

**LOT NUMBER:**  
4211

**DP NUMBER:**  
1150762

**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: SITE ANALYSIS		
<b>SCALE</b> 1:250 @ A1	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A101	<b>ISSUE</b> DA01	<b>PAGE</b> 4 / 26



No.9  
SINGLE STOREY  
CEMENT RENDERED  
HOUSE  
METAL ROOF

TOP 86.87  
BILL 54.98

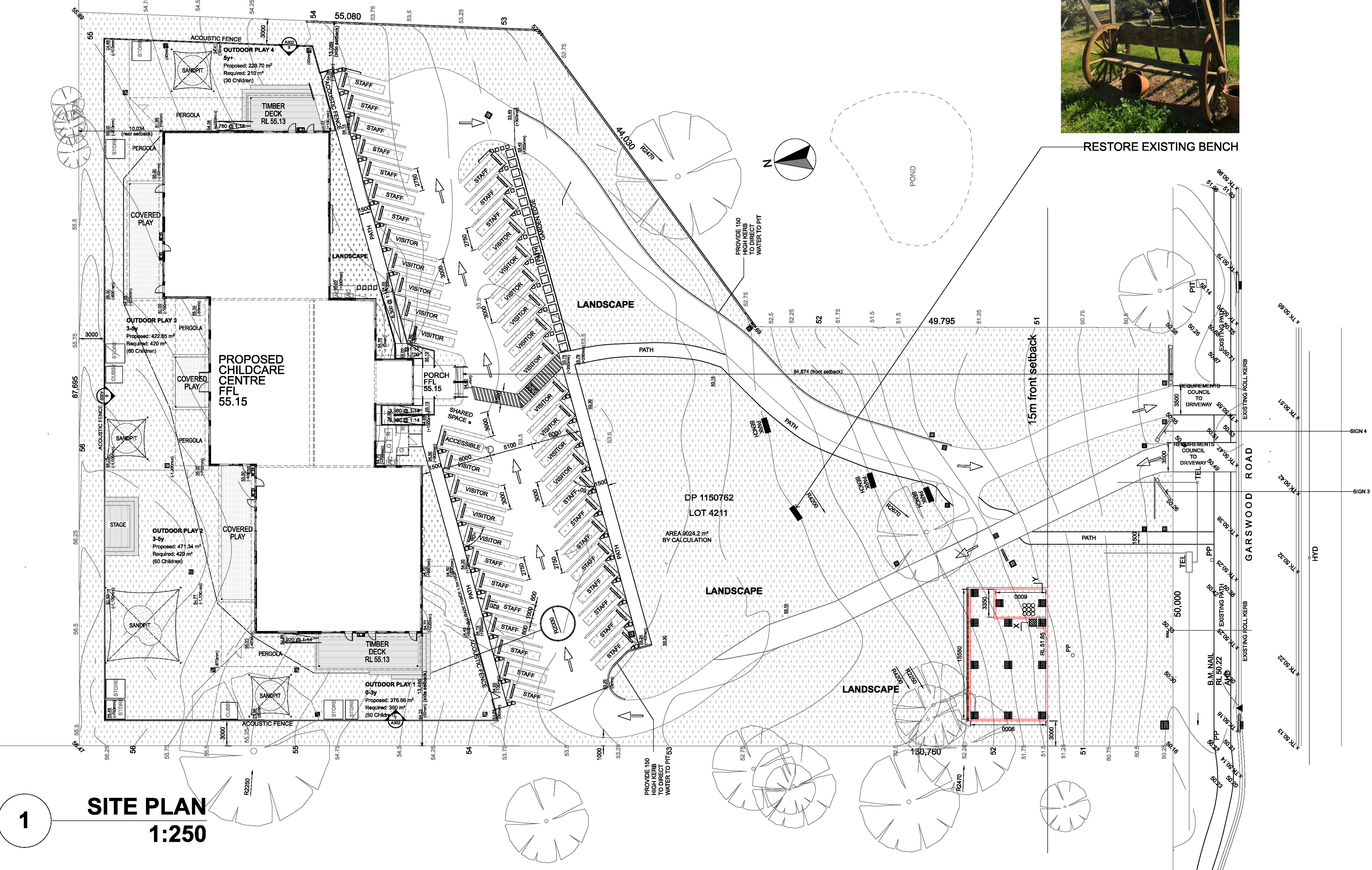
TOP 86.68  
BILL 56.04

TOP 57.02  
BILL 54.83

LOT 4210  
DP 1150762



RESTORE EXISTING BENCH



1 **SITE PLAN**  
1:250

DESIGN M  
STUDIO

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CLIENT:  
[REDACTED]

COUNCIL:  
PENRITH CITY COUNCIL

LOT NUMBER:  
4211

DP NUMBER:  
1150762

PROJECT ADDRESS:  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: SITE PLAN		
SCALE 1:250 @ A1	DATE 30/09/20	DRAWN M.B.
DRG NO A100	ISSUE DA01	PAGE 3 / 26





DESIGN M STUDIO

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<b>COUNCIL:</b> PENRITH CITY COUNCIL

<b>LOT NUMBER:</b> 4211
<b>DP NUMBER:</b> 1150762
<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

<b>DRAWING TITLE:</b> 3D VISUALISATIONS		
<b>SCALE</b> NTS @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A001	<b>ISSUE</b> DA01	<b>PAGE</b> 2 / 26



# Development Application for Proposed Child Care Centre

15-17 GARSWOOD ROAD GLENMORE PARK NSW 2745

## DRAWING LIST

Subset	Layout ID and Name	Drawing ID	Drawing Name
A0 General	A000 COVER PAGE		CALCULATIONS
	A000 COVER PAGE		DRAWING LIST
	A000 COVER PAGE		LOCATION MAP
	A001 3D VISUALISATIONS	1	VIEW
	A001 3D VISUALISATIONS	2	VIEW
	A001 3D VISUALISATIONS	3	VIEW
	A001 3D VISUALISATIONS	4	VIEW
A1 Site and Location Drawings	A100 SITE PLAN	1	SITE PLAN
	A101 SITE ANALYSIS	1	SITE ANALYSIS
	A102 DEMOLITION PLAN	1	DEMOLITION PLAN
	A200 GROUND FLOOR		PLAY AREA CALCULATIONS
A2 Plans	A200 GROUND FLOOR	1	GROUND PLAN
	A201 CEILING PLAN	1	MEZZANINE PLAN
	A202 ROOF PLAN	1	ROOF PLAN
	A300 ELEVATIONS 1 OF 2	1	SOUTH ELEVATION (FRONT)
A3 Elevations	A300 ELEVATIONS 1 OF 2	2	EAST ELEVATION (SIDE)
	A301 ELEVATIONS 2 OF 2	3	NORTH ELEVATION (REAR)
	A301 ELEVATIONS 2 OF 2	4	WEST ELEVATION (SIDE)
	A302 ELEVATIONS WITH FENCE	5	EAST ELEVATION WITH FENCE (SIDE)
	A302 ELEVATIONS WITH FENCE	6	NORTH ELEVATION WITH FENCE (REAR)
	A302 ELEVATIONS WITH FENCE	7	WEST ELEVATION WITH FENCE (SIDE)
	A4 Sections	A400 SECTIONS	1
A400 SECTIONS		2	SECTION
A5 Shadow Diagram	A500 SHADOW DIAGRAM 1 OF 3	1	SHADOW DIAGRAM - 21 JUN AT 9AM
	A501 SHADOW DIAGRAM 2 OF 3	2	SHADOW DIAGRAM - 21 JUN AT 12PM
	A502 SHADOW DIAGRAM 3 OF 3	3	SHADOW DIAGRAM - 21 JUN AT 3PM
A6 Schedules	A600 WINDOW SCHEDULE		WINDOW SCHEDULE
	A601 WINDOW SCHEDULE		WINDOW SCHEDULE
	A602 WINDOW SCHEDULE		WINDOW SCHEDULE
	A603 WINDOW SCHEDULE		WINDOW SCHEDULE
	A604 WINDOW SCHEDULE		WINDOW SCHEDULE
	A605 DOOR SCHEDULE		DOOR SCHEDULE
	A606 DOOR SCHEDULE		DOOR SCHEDULE
	A607 DOOR SCHEDULE		DOOR SCHEDULE
	A608 SCHEDULE OF FINISHES		SCHEDULE OF FINISHES
A7 Evacuation	A701 EVACUATION PLAN	1	EVACUATION PLAN
A8 Signage	A800 ADVERTISING SIGNAGE	1	SIGN 1 - FEATURE WALL
	A800 ADVERTISING SIGNAGE	2	SIGN 2 - FEATURE WALL
	A800 ADVERTISING SIGNAGE	3	SIGN 3 - BOUNDARY WALL
	A800 ADVERTISING SIGNAGE	4	SIGN 4 - BOUNDARY WALL



## SITE ATTRIBUTES

ITEM	ATTRIBUTE	DATA
1	Site Area	9024.2m <sup>2</sup> as surveyed
2	Zoning	E4 Environmental Living
3	Floor Area	1266.51m <sup>2</sup>
4	Building Footprint	1279.42m <sup>2</sup>

## COMPLIANCE

CRITERIA	PENRITH LEP 2010	PENRITH DCP 2014	PROPOSED	COMPLY
Height	8.5m max		8.47m	YES
FSR	N/A		N/A	N/A
Front Setback		15m min	84.87m	YES
Side Setback (Single Storey)		5m min	10.08m & 13.49m	YES
Rear Setback (Single Storey)		5m min	10.83m	YES
Carparking		1 per 1 staff = 25 1 per 10 children = 20 Total: 45 spaces	25 spaces (staff) 20 spaces (visitors) Total: 45 spaces	YES

## NATIONAL QUALITY FRAMEWORK

	0-2 YRS	2-3 YRS	3+ YRS	AFTER CARE 5+ YRS	TOTAL	COMPLY
Children	20	30	120	30	200 children	YES
Educator to child ratio	1:4	1:5	1:10	1:10	-	-
Staff Required	5	6	12	2	25 staff	YES
Indoor Space (3.25m <sup>2</sup> )	65.00m <sup>2</sup> required	97.50m <sup>2</sup> required	390.00m <sup>2</sup> required	97.50m <sup>2</sup> required	650.00m <sup>2</sup> required	YES
	74.73m <sup>2</sup> proposed	112.62m <sup>2</sup> proposed	404.93m <sup>2</sup> proposed	108.08m <sup>2</sup> proposed	700.36m <sup>2</sup> proposed	
Outdoor Space (7m <sup>2</sup> )	140.00 m <sup>2</sup> required	210.00m <sup>2</sup> required	840.00m <sup>2</sup> required	210.00m <sup>2</sup> required	1400.00m <sup>2</sup> required	YES
	150.66m <sup>2</sup> proposed	226.00m <sup>2</sup> proposed	894.19m <sup>2</sup> required	229.70m <sup>2</sup> required	1500.55m <sup>2</sup> required	

DESIGN M STUDIO

NOTES:  
All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site & inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.

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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

PROJECT TITLE:  
PROPOSED CHILDCARE CENTRE

LOT NUMBER:  
4211

DRAWING TITLE:  
COVER PAGE

CLIENT:  
[REDACTED]

DP NUMBER:  
1150762

SCALE  
NTS @ A3

DATE  
30/09/20

DRAWN  
M.B.

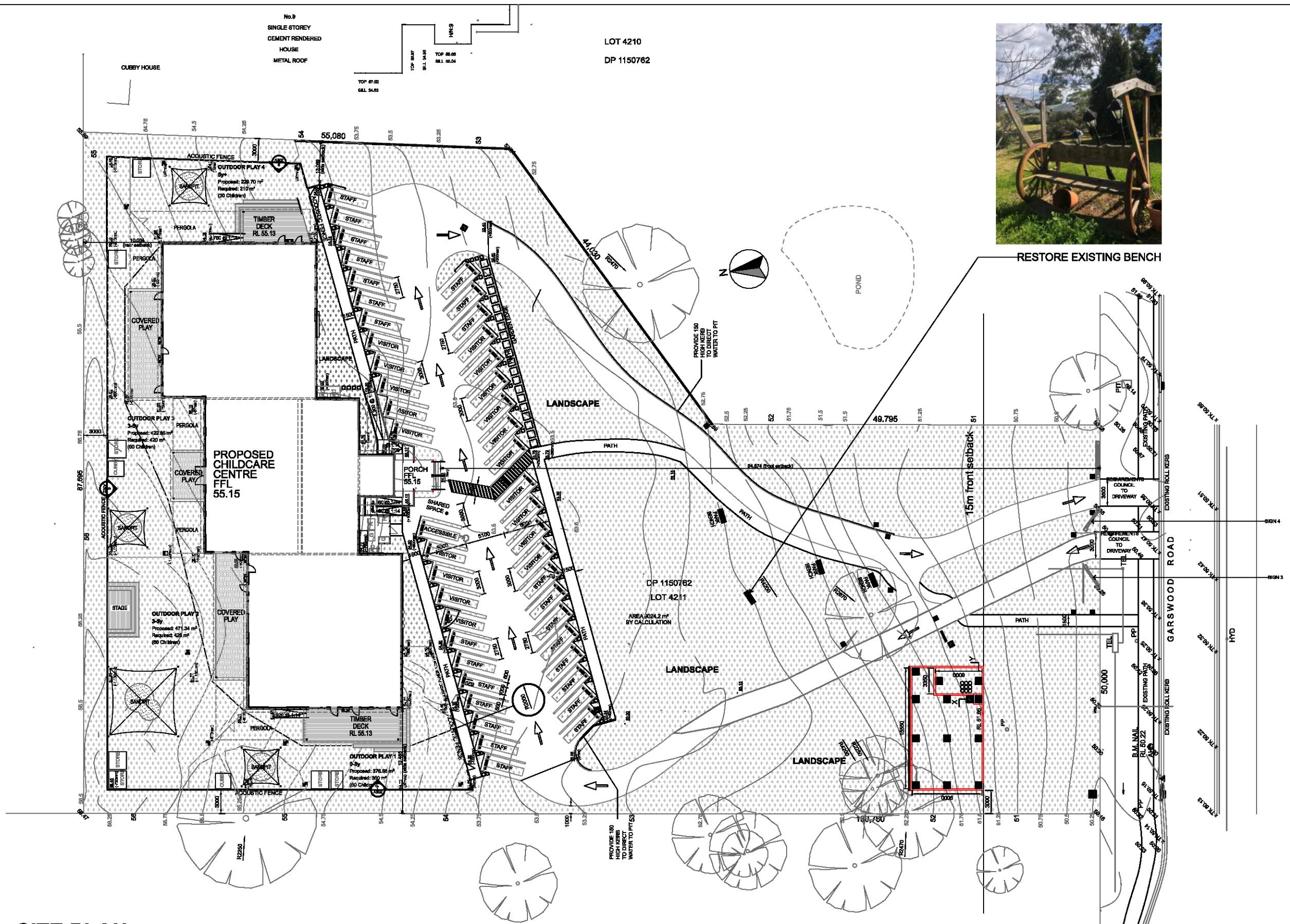
COUNCIL:  
PENRITH CITY COUNCIL

PROJECT ADDRESS:  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRG NO  
A000

ISSUE  
DA01

PAGE  
1 / 26



RESTORE EXISTING BENCH

**1 SITE PLAN**  
**1:500**



**NOTES:**  
All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site & inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.

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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

**PROJECT TITLE:**  
PROPOSED CHILDCARE CENTRE

**CLIENT:**  
[REDACTED]

**COUNCIL:**  
PENRITH CITY COUNCIL

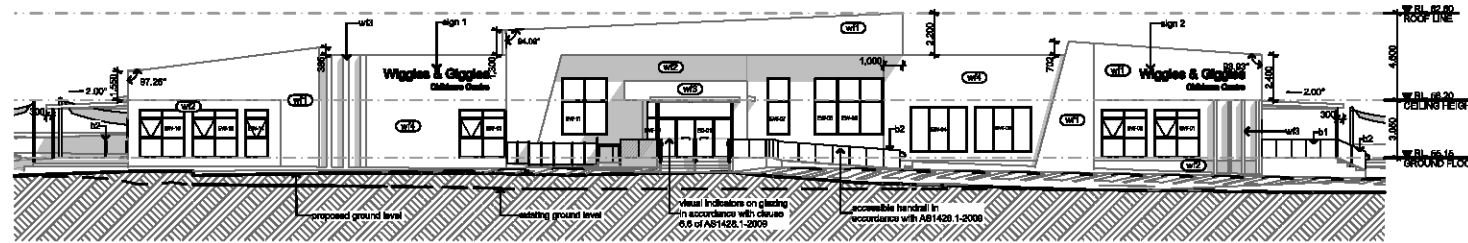
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**DP NUMBER:**  
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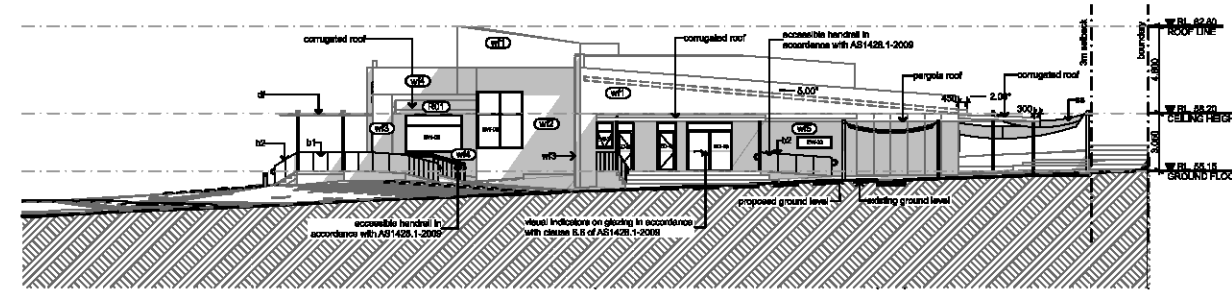
**PROJECT ADDRESS:**  
15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

DRAWING TITLE: NOTIFICATION PLAN 1 OF 2		
<b>SCALE</b> 1:500 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A900	<b>ISSUE</b> DA01	<b>PAGE</b> 1/2

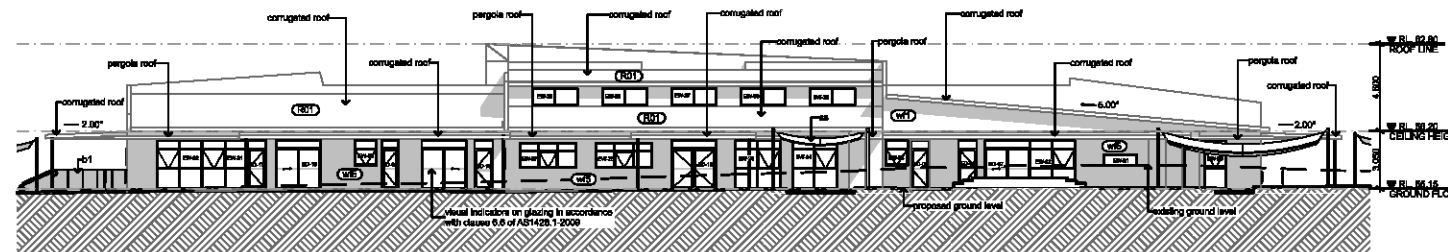




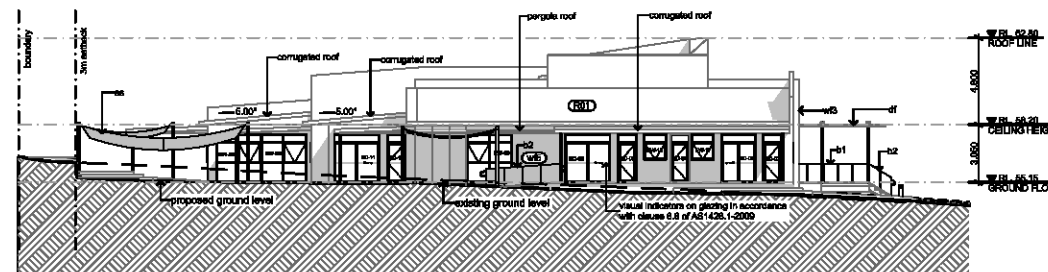
**1 SOUTH ELEVATION (FRONT)**  
**1:400**



**2 EAST ELEVATION (SIDE)**  
**1:400**



**3 NORTH ELEVATION (REAR)**  
**1:400**



**4 WEST ELEVATION (SIDE)**  
**1:400**

DESIGN M  
STUDIO

NOTES:  
All dimensions are in mm. Do not scale off drawing. Contractors to verify all dimensions on site & inspect site conditions prior to commencement of construction. Contractors to ensure all works to comply with NCC, Australian Standards and Council regulations.

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ISSUE	DATE	DESCRIPTION
DA01	30/09/20	DA SUBMISSION

<b>PROJECT TITLE:</b> PROPOSED CHILDCARE CENTRE
<b>CLIENT:</b> [REDACTED]
<b>COUNCIL:</b> PENRITH CITY COUNCIL

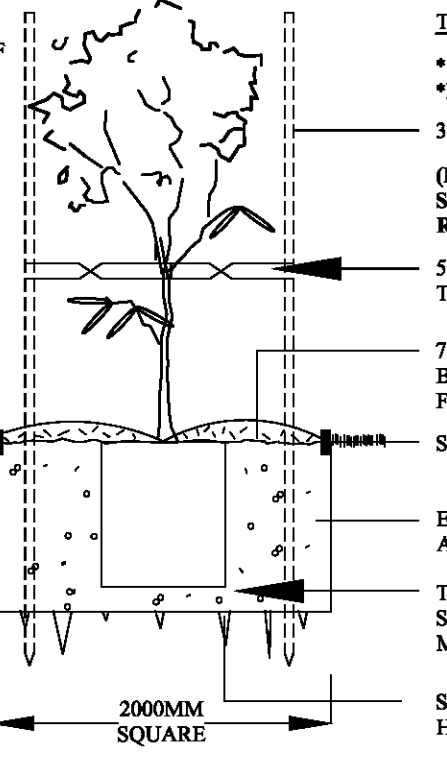
<b>LOT NUMBER:</b> 4211
<b>DP NUMBER:</b> 1150762
<b>PROJECT ADDRESS:</b> 15-17 GARSWOOD ROAD, GLENMORE PARK NSW 2745

<b>DRAWING TITLE:</b> NOTIFICATION PLAN 2 OF 2		
<b>SCALE</b> 1:400 @ A3	<b>DATE</b> 30/09/20	<b>DRAWN</b> M.B.
<b>DRG NO</b> A901	<b>ISSUE</b> DA01	<b>PAGE</b> 2 / 2



**TYPICAL PLANT SELECTION CRITERIA - AS2303-2015**  
**TREE STOCK FOR LANDSCAPE USE FOR FULL SPEC.**

ENSURE GOOD HEALTH AND VIGOUR. ENSURE FREEDOM FROM PESTS, DISEASES AND INJURY.  
 SPECIMENS SHOULD BE SELF SUPPORTING AT TIME OF PLANTING - STAKING ONLY TO BE USED WHEN NECESSARY - 1 GROWING SEASON MAX.



- TYPICAL PLANTING CRITERIA**
- \*SEEK ADVICE BEFORE SUBSTITUTING SPECIES
  - \*REPLACEMENTS TO BE MADE WITHIN 12 MONTHS
  - 3 x 40MM HARDWOOD STAKES AS REQUIRED. DON'T PIERCE ROOT BALL
  - (NOTE: ONLY REQUIRED IN WINDY ENVIRONMENTS, VERY SANDY SOIL AND VERY WET CLAY - IF STAKING REQUIRED - REMOVE AS SOON AS PRACTICALLY POSSIBLE).
  - 50MM WIDE JUTE WEBBING - TWIST ONCE AND GAL STAPLE TO OUTSIDE OF STAKE. ENSURE TREE HAS AMPLE MOVEMENT
  - 75 - 100MM SELECTED MULCH - DISH AROUND BASE OF TRUNK. TOP OF ROOT BALL TO FINISH FLUSH WITH TOP OF SOIL
  - SELECTED EDGING - REFER TO DETAIL
  - EXCAVATE HOLE AND INCORPORATE SOIL AMENDMENTS TO 30% MAX. IF REQUIRED.
  - TAMP SOIL GENTLY AROUND AND BENEATH ROOT BALL SO ROOT BALL DOES NOT MOVE - WATER WEEKLY FOR MINIMUM 4 WEEKS TO ESTABLISH.
  - SCARIFY SUB SOIL AND SIDES TO 100MM MINIMUM IN HEAVY CLAY SOILS. MAY BE REQUIRED TO MOUND PLANT.

**45-75LTR TYPICAL PLANTING (NTS)**

**CHILDCARE PLANNING GUIDELINES:-**

- C18 - USE EXISTING FEATURES WHERE FEASIBLE BY:-**
- \* INCORPORATE NATURAL FEATURES INTO THE SITE SUCH AS EXISTING TREES, ROCK OUTCROPS AND VEGETATION COMMUNITIES
- C19 - INCORPORATE CARPARKING INTO THE LANDSCAPE BY:-**
- \* PLANTING SHADE TREES TO CREATE COOL OUTDOOR ENVIRONMENTS AND REDUCE SUMMER RADIATION OF HEAT INTO BUILDINGS
  - \* TAKING INTO ACCOUNT LOCAL CHARACTER AND STREETSCAPE
  - \* USING LOW-LEVEL LANDSCAPING TO SOFTEN AND SCREEN PARKING AREAS

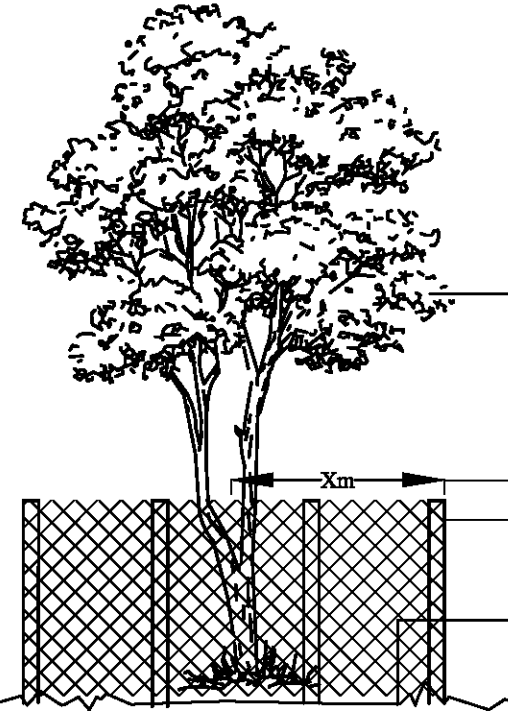
**NATURAL PLAY AREAS:-**

- (AS PUBLISHED BY KIDS SAFE NSW)
- NATURAL PLAYSPACES OFFER A BLEND OF NATURAL AREAS, ENVIRONMENTAL FEATURES AND PLANTS TO INTEREST CHILDREN IN LEARNING ABOUT THE WONDERS AND SECRETS OF THE NATURAL WORLD.
  - SWINGS AND SLIDES MAY STILL BE INCLUDED, HOWEVER NATURAL PLAYSPACES OFFER UNSTRUCTURED SPACES AND ACTIVITIES FOR LEARNING AND SPONTANEOUS PLAY.
  - THEY MAY INCLUDE THE FOLLOWING:-
  - \* TREEHEDGES
  - \* DIGGING PATCHES
  - \* ROCKS AND BOLLERS
  - \* UNSTRUCTURED PLAY AREAS (I.E. UNENCUMBERED GRASS AREAS)
  - \* IMAGINATIVE, CREATIVE, EXPLORATORY (SCENTS, TEXTURE, COLOUR PLANTINGS)
  - \* QUIET AREAS
  - \* PLANTINGS

**CHILDCARE / SAFETY FALL ZONES:-**

- (AS PUBLISHED BY KIDS SAFE NSW)
- PLAYGROUND EQUIPMENT THAT MEASURES 600mm OR MORE ABOVE GROUND LEVEL REQUIRES A FALLING SPACE AND IMPACT AREA.
  - SURFACES MUST HAVE PROOF TESTING IN ACCORDANCE WITH AS/NZS 4422.
  - THE MAXIMUM HEIGHT OF PLATFORMS IN EDUCATION AND CARE SERVICES IS 1800mm.
  - FOR STATIC EQUIPMENT, ITEMS WITH PLATFORMS 600-1500mm ABOVE GROUND LEVEL THE FALLING SPACE AND IMPACT AREA IS 1500mm.
  - A FALLING SPACE / IMPACT AREA OF 1700mm IS REQUIRED FOR THE MAXIMUM 1800mm PLATFORM HEIGHT IN SECS.
  - SLIDES - FALLING SPACE AND IMPACT AREAS ARE REQUIRED TO BE PROVIDED SURROUNDING SLIDES ELEVATED MORE THAN 600mm ABOVE THE PLAY SURFACE.
  - AN IMPACT AREA IS TO BE PROVIDED TO THE RUN-OUT SECTION AND BEYOND THE END OF SLIDES - MINIMUM 1000mm (REFER TO GUIDELINES)
  - EQUIPMENT LESS THAN 600mm ABOVE GROUND LEVEL MUST BE PROVIDED WITH AN IMPACT AREA OF LESS THAN 1500mm
  - KIDS SAFE NSW RECOMMENDS A CIRCULATION ZONE OF 1000mm BE PROVIDED SURROUNDING LOW EQUIPMENT ITEMS THAT ARE DESIGNED FOR CLIMBING, ROCKING OR JUMPING.
  - THE MAXIMUM FALL HEIGHT FOR MOVABLE EQUIPMENT IS 1500mm (AT THE HIGHEST FOOT SUPPORT AND / OR PLATFORM)
  - A MINIMUM FALL SPACE AND IMPACT AREA OF 1500mm IS REQUIRED FOR EQUIPMENT ITEMS THAT MEASURES 600mm OR MORE ABOVE THE GROUND.

**REFER TO AS 4970-2009 - 'PROTECTION OF TREES ON DEVELOPMENT SITES'**

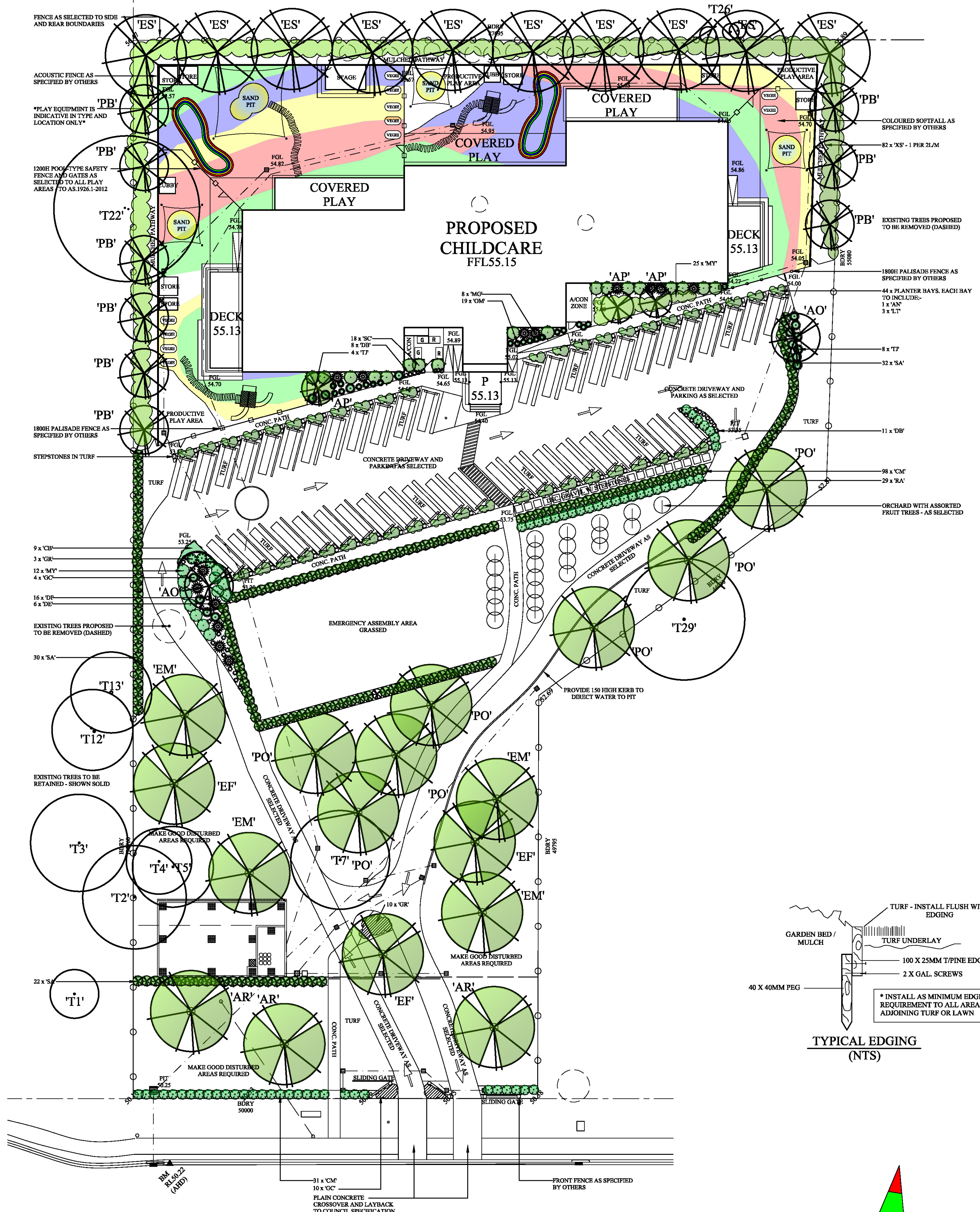


- \* IRRIGATION WITHIN TPZ AT ARBORIST OR COUNCIL DISCRETION
- EXISTING TREE SPECIES
- TPZ BARRIER
- SRZ
- DISTANCE AS SHOWN ON PLAN
- 1800MM TEMPORARY FENCE HIRE WITH PLASTIC FEET - NO STAKES IN GROUND UNLESS SPECIFIED
- TPZ TO BE MULCHED WITH A MINIMUM 100MM RECYCLED LEAF LITTER MULCH

**TYPICAL TREE PROTECTION DETAIL - (NTS)**  
 (IF NO ARBORIST REPORT REQUIRED)

NOTE: MONACO DESIGNS PL RESERVES THE RIGHT NOT TO UNDERTAKE NOR SUPPLY CERTIFICATION FOR OCCUPATION CERTIFICATE.  
 NOTE: TO AID COMPLIANCE WITH BASIX LEGISLATION, PLANTS (WHERE APPLICABLE) HAVE BEEN SELECTED FROM THE LOCAL CITY COUNCIL / SHIRE PLANT LISTS.  
 NOTE: LOCATION OF SEWER MAINS / LINES, WATER PIPES, UNDERGROUND ELECTRICITY AND OTHER SERVICES MUST BE OBTAINED PRIOR TO COMMENCEMENT OF ANY WORK ON SITE. **DIAL BEFORE YOU DIG 1100.**

CONTRACTORS NOTE:- CALCULATED AREAS DETERMINED BY CAD AND HAVE BEEN ROUNDED UP FOR USE AS A GUIDE ONLY. ALLOW STANDARD PERCENTAGES FOR CUTTING AND WASTAGE. CONFIRM DIMENSIONS AND NUMBERS PRIOR TO QUOTING / ORDERING.  
 COPYRIGHT:- THIS PLAN AND DESIGN IS THE PROPERTY OF MONACO DESIGNS PL. IT IS NOT TO BE COPIED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE COMPANY. REPRODUCTION PARTLY OR IN FULL CONSTITUTES AN INFRINGEMENT OF COPYRIGHT.  
 FULL TERMS AND CONDITIONS CAN BE OBTAINED FROM MONACO DESIGNS WEBSITE, OR UPON REQUEST. THIS PLAN MAY ONLY BE UTILISED FOR ITS INTENDED PURPOSE ONCE PAYMENT HAS BEEN RECEIVED IN FULL, OR AS PER OUR LETTER OF AGREEMENT.  
 UNAUTHORISED USAGE, REPRODUCTION OR STORAGE SHALL BE TAKEN AS AN ACCEPTANCE OF A USAGE FEE OF \$200 PER PLAN / SHEET OR PART THEREOF FOR EACH AND EVERY USE.



**PLANT SCHEDULE**

BOTANIC NAME	KEY	QTY	POT SIZE	HT (M)
<b>TREES</b>				
ACER OCTOBER GLORY (MAPLE)	AO	2	45L	5-10
ACER PALMATUM (JAPANESE MAPLE)	AP	2	45L	5-10
AGATHUS ROBUSTA (KAURI PINE)	AR	3	45L	>10
EUCALYPTUS FIBROSA (GREY IRONBARK)*	EF	3	45L	>10
EUCALYPTUS MOLLECANNA (GREY BOX)*	EM	4	45L	>10
EUCALYPTUS SIDEROXYLON (MUGGA)	ES	10	45L	>10
PLATANUS ORIENTALIS (PLANE TREE)	PO	7	45L	>10
PYLUS BRADFORD (ORNAMENTAL PEAR)	PB	9	45L	>10
<b>SHRUBS</b>				
ABELIA NANA*	AN	44	200MM	1
CALLISTEMON MACARTHUR (BOTTLEBRUSH)*	CM	129	200MM	1.5
CAREX 'LILIE CASCAID' (LILIE BIRDIE)*	CB	27	150MM	0.3
DIANELLA 'BREEZE' (GLAX LILY)*	DB	19	150MM	0.5
DIETES RHODIS (EVERGREEN HIB)	DI	16	150MM	1
DORYANTHES EXCELSA (GYMNAE LILY)*	DE	6	200MM	1.5
GREVILLEA 'CARPET QUEEN' (PROSTRATE GREVILLEA)*	GR	14	200MM	0.5
GREVILLEA 'ROBYN GORDON' (GREVILLEA)*	GC	13	200MM	1.5
LOMANDRA TANKA (MATT RUSH)*	LT	132	150MM	0.75
MISCANTHUS SINENSIS GRACILLIMUS (MISCANTHUS)	MG	8	150MM	1.5
MYOPORUM PARVIFLORUM (CREEPING BOOBALLA)*	MY	37	150MM	0.1
ORCHOSANTHUS MULTIFLORUS (MORNING FLAG)*	OM	19	150MM	0.5
RAHOLEPSIS 'APPLE BLOSSOM'	RA	29	200MM	TRIM
SYZYGIUM AUSTRALIS (LILLY PILLY)*	SA	84	200MM	TRIM
SYZYGIUM 'CASCADE' (POWER PUFF LILLY PILLY)*	SC	18	200MM	2
TBOUCHINA 'JULES' (LANSIANDRA)	TJ	12	200MM	1
XYLOSMA SENTICOSUM (XYLOSMA)	XS	82	200MM	3-5

\* - NATIVE SPECIES

- GENERAL NOTES:-**
- \* LANDSCAPE CONTRACTOR TO CHECK DA CONDITIONS AND STAMPED LANDSCAPE PLAN BEFORE COMMENCING WORKS TO ENSURE NO ADDITIONS / AMENDMENTS TO PLAN.
  - \* GARDEN BEDS IN OSD BASIN TO CONSIST OF NON FLOATABLE DECORATIVE GRAVEL.
  - \* REFER TO HYDRAULICS ENGINEERS PLAN FOR OSD DETAILS / FINAL LEVELS.
  - \* MULCHED PLANTING BEDS TO BE A MINIMUM DEPTH OF 75MM AS SELECTED.
  - \* CONTRACTORS RESPONSIBILITY TO CHECK AND ADJUST SOIL pH AS REQUIRED.
  - \* PROVIDE TURF EDGE AS A MINIMUM BENEATH FENCING / GATES TO DEFINE TURF AND GARDEN BEDS / PATHWAYS. EDGING TO BE PROVIDED TO ALL AREAS WHERE DIFFERING MATERIALS MEET, IE TURF / GARDEN / TURF / GRAVEL PATH ETC.
  - \* WEED MAT BENEATH GRAVEL PATHWAYS REQUIRED TO LIMIT MUD TRACKING.
  - \* PREMIUM ORGANIC GARDEN MIX TO BE USED.
  - \* ALL PLANTS TO BE HEALTHY AND VIGOROUS.
  - \* CONTRACTOR TO MAKE GOOD TURF ON NATURE STRIP POST CONSTRUCTION.
  - \* DO NOT SCALE ARCHITECTURAL SETOUT FROM LANDSCAPE DRAWING.
  - \* EXISTING TREE SPREAD APPROXIMATE ONLY. REFER TO TREE REPORT WHEN APPLICABLE.
  - \* SITE SURVEY PROVIDED BY OTHERS.
  - \* BUFFALO TURF PREFERRED OVER KIKUYU.

- PLANTING AND MAINTENANCE NOTES:-**
- \* GLAZED OR POLISHED PLANTING HOLES, PARTICULARLY IN CLAY SOILS SHOULD BE AVOIDED. PLANTS TO BE MOUNDED WITHIN THESE SOIL TYPES.
  - \* PLANTS SHOULD BE PLANTED STRAIGHT, WITH THE TOP OF THE ROOT BALL LEVEL WITH OR SLIGHTLY LOWER THAN THE SOIL SURFACE.
  - \* PLANTS SHOULD BE WATERED AS SOON AS POSSIBLE AFTER PLANTING.
  - \* PLANTING SHOULD BE AVOIDED AT THE HEIGHT OF SUMMER (DECEMBER - JANUARY)
  - \* PLANTS SHOULD BE WATERED AT LEAST WEEKLY FOR SIX WEEKS TO AID ESTABLISHMENT. WATER CRYSTALS MAY BE USED TO REDUCE THE AMOUNT OF WATER REQUIRED.
  - \* IF A FERTILISER IS TO BE APPLIED, A SLOW RELEASE 8 - 9 MONTH PLANT FOOD PREFERRED.
  - \* ONLY SPECIES WITHIN THE LANDSCAPE PLAN SHOULD BE PLANTED. PERMISSION SHOULD BE SOUGHT BEFORE ALTERING THE PLANT SPECIES LIST (ON MOST OCCASIONS NURSERYMEN CAN SUBSTITUTE).
  - \* STOCK SHOULD BE FREE OF PESTS, DISEASE AND WEEDS AND NOT POT BOUND.
  - \* REPLACEMENT PLANTS SHOULD BE MADE AVAILABLE FOR ANY LOSSES OF PLANT STOCK THAT MAY OCCUR FOR A MINIMUM 12 MONTH PERIOD.
  - \* WEEDS SHOULD BE REMOVED ON A FORTNIGHTLY BASIS.
  - \* TEST OR DISEASE SAMPLES TO THE LOCAL NURSERY FOR IDENTIFICATION AND APPROPRIATE REMEDY.

REFER TO HYDRAULICS ENGINEERS PLAN FOR OSD / DWAF WALL DETAILS - MULCH OSD WITH NON FLOATABLE DECORATIVE GRAVEL. ALL FINISHED GROUND LEVELS AS PER HYDRAULICS ENGINEERS DETAILS.

ALL FENCING SURROUNDING THE POOL / OSD BASIN ARE TO COMPLY WITH THE SWIMMING POOLS ACT 1992 AND AS.1926.1-2012

**MONACO DESIGNS PL**

**PROJECT: PROPOSED CHILDCARE**

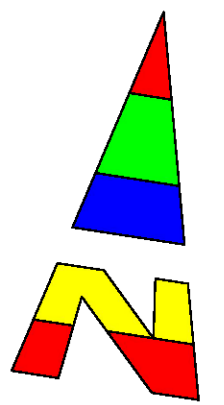
**ADDRESS: 15-17 GARSWOOD ROAD, GLENMORE PARK**

**CLIENT: C/o- RAMY ASSOCIATES PL**

**TITLE: DA LANDSCAPE CONCEPT**

<b>DATE:</b> 22 SEP 20 - A	<b>SCALE:</b> 1:300 - A1	<b>SHEET No:</b> 1 OF 1
<b>JOB No:</b> 5592	<b>DRAWN:</b> CJ / PM	

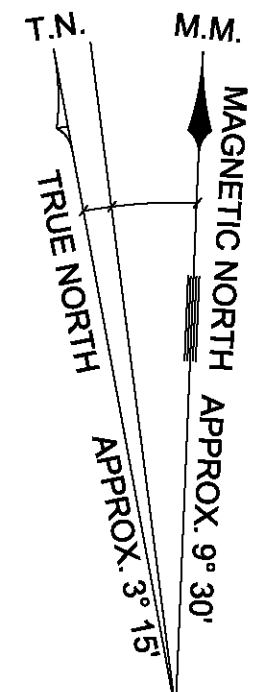
**LANDSCAPE PLANS**  
**ARBORICULTURAL REPORTS**  
**VEGETATION MANAGEMENT PLANS**



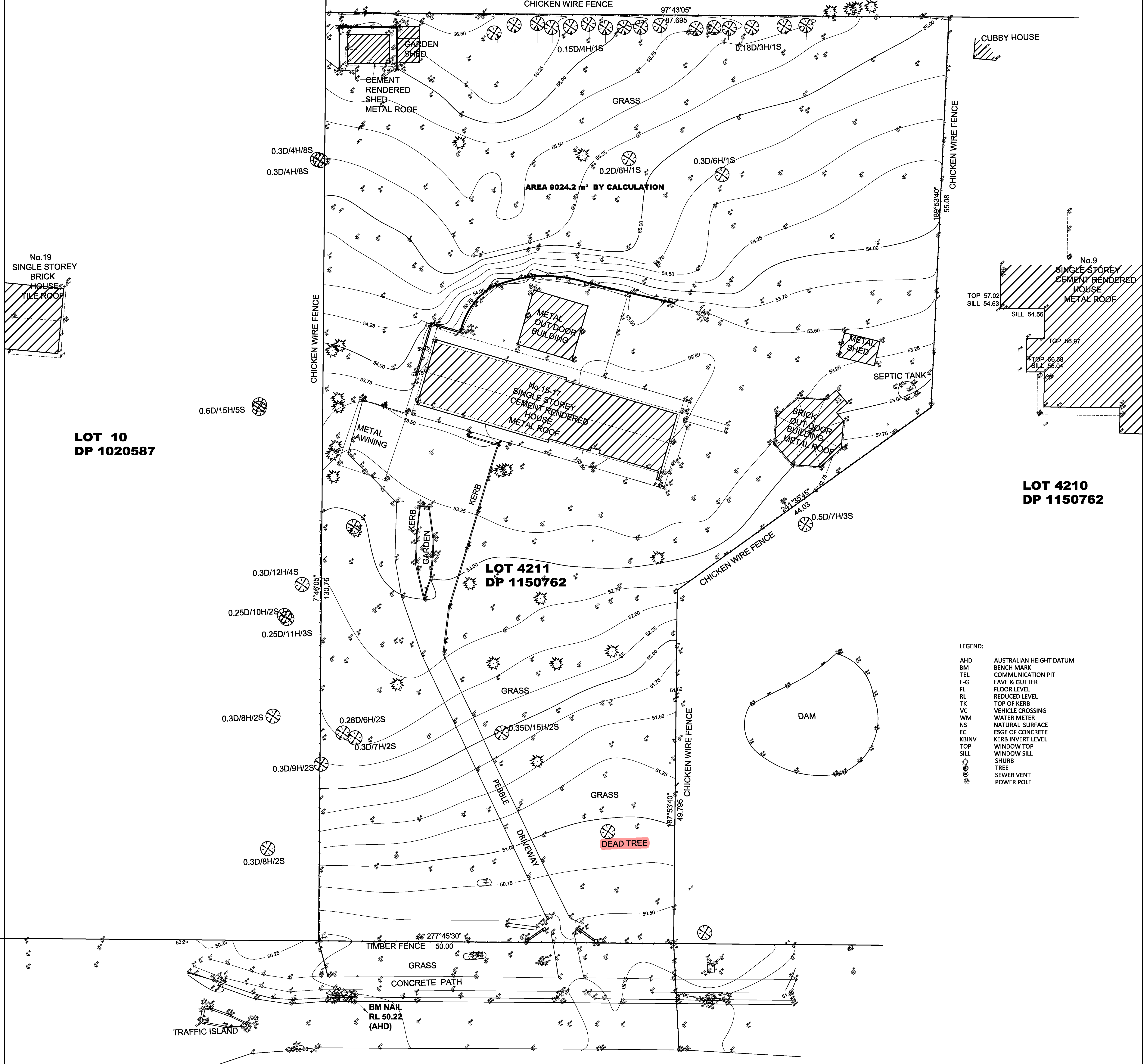
**GARSWOOD ROAD**

REFER TO BASIC TREE ASSESSMENT BY MONACO DESIGNS FOR ARBORICULTURAL DOCUMENTATION - ONLY TREES PROPOSED TO BE RETAINED SHOWN ON LANDSCAPE PLAN FOR CLARITY





**LOT 262  
DP 869597**



**LOT 10  
DP 1020587**

**LOT 4211  
DP 1150762**

**LOT 4210  
DP 1150762**

**LEGEND:**

AHD	AUSTRALIAN HEIGHT DATUM
BM	BENCH MARK
TEL	TELEPHONE
CP	COMMUNICATION PIT
E-G	EAVE & GUTTER
FL	FLOOR LEVEL
RL	REDUCED LEVEL
TK	TOP OF KERB
VC	VEHICLE CROSSING
WM	WATER METER
NS	NATURAL SURFACE
EC	EDGE OF CONCRETE
KBINV	KERB INVERT LEVEL
TOP	WINDOW TOP
SILL	WINDOW SILL
TR	TREE
SHURB	SHURB
SV	SEWER VENT
PP	POWER POLE

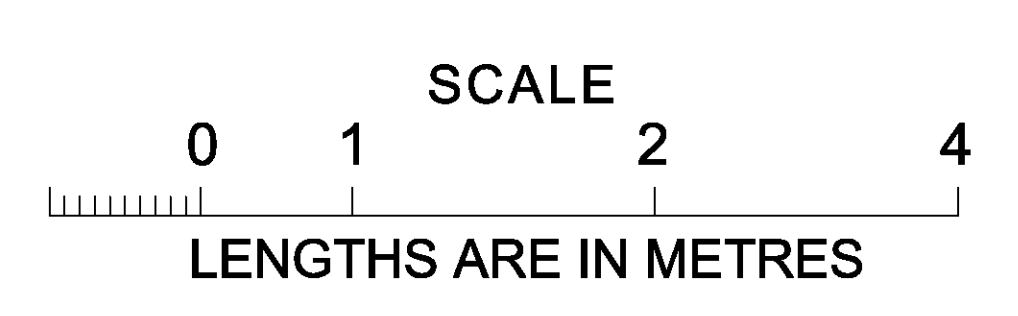
# GARSWOOD ROAD

NOTE : CONTOUR INTERVAL : 0.25

Details and level shown on this plan are for general design works only any critical dimensions required should be requested independently of this plan. Prior to any demolition, excavation or construction on this site the relevant Authorities should be contacted to detailed locations of all existing services and the possible location of future services.

**EAST WEST SURVEYORS  
PTY LTD**

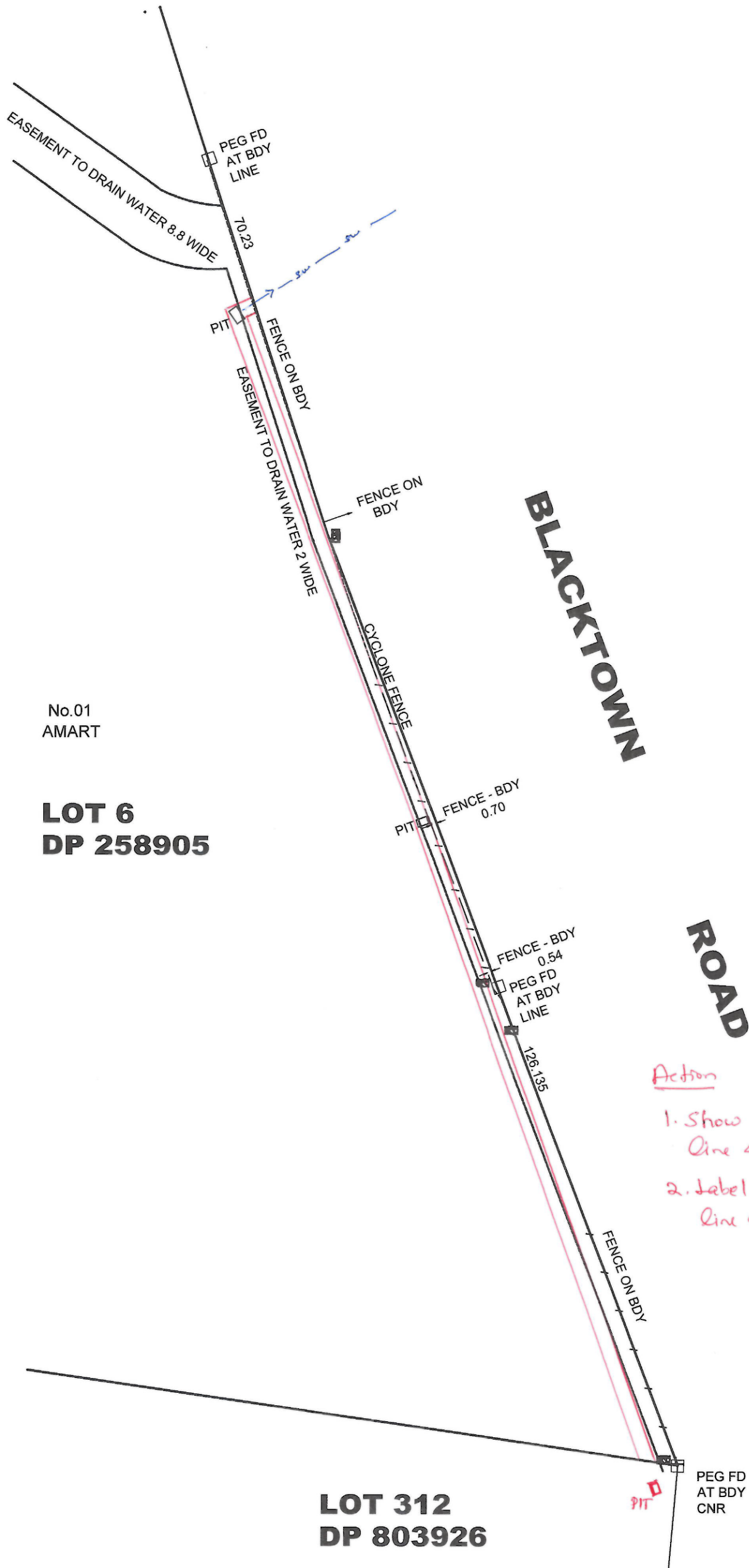
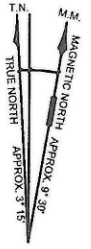
DETAIL SURVEY OF LOT 4211 IN DP 1150762  
No.15-17 GARSWOOD ROAD GLENMOREPARK  
NSW 2745



ORIGINAL	THE LAND IN THE SURVEY IS SHOWN ENCLOSED BY CONTINUOUS THICK LINES	
SCALE 1:200	SHEET SIZE A0	SURVEYED : SL DATE: 05.08.2019 DRAWN : TJ DATE: 10.08.2019, 25.08.2020 REFERENCE: 19/1668- DET REV3 DATUM : PM 45364 SHEET 1 OF 1 SHEETS RL 50.82



LEGEND  
 O/S : OFFSET  
 □ PLD : PEG PLACED  
 CNR : CORNER  
 BDY : BOUNDARY



No.01  
AMART

**LOT 6  
DP 258905**

**LOT 312  
DP 80326**

*Action*

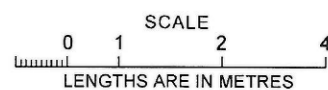
1. Show existing easement in dashed line & label it to be abolished.
2. Label proposed easement in continuous line & label it.

GEOFFREY GALLEN  
REGISTERED SURVEYOR  
No: 1083

EAST WEST SURVEYORS  
PTY LTD

PART OF DETAILS SURVEY OF  
LOT6 IN DP258905 No1 ROWOOD ROAD

PROSPECT NSW 2148



ORIGINAL  
SCALE SHEET  
1:400 SIZE  
A2

DATE OF SURVEYED 15-05-2020

REFERENCE: 19/1369- BDY REV1  
SHEET 1 OF 1 SHEETS

# Proposed child care centre at  
15-17 Garswood Road Glenmore Park.

## 7. APPENDICES

### APPENDIX A

#### CHECKLIST FOR STORMWATER CONCEPT PLAN (SCP)

Survey Information	Yes	No	NA
1. Site boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. North point	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Services within the public footway	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Site features, including tree, structures, depressions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Contours at 0.1m for flat sites ranging to 0.5m for steep sites and extending 10m into adjoining properties	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Top of kerb levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Boundary levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Benchmarks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Levels to AHD where site is affected by overland flow, flooding or where works on Council's drainage network are required	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
General	Yes	No	NA
1. Plans to scale of 1:100 or 1:200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Designer's name, qualifications, contact details provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Design report, including details of any variations provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Plan number and date of issue shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Consistency between stormwater, architectural and landscape plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. 1% AEP overland flow extents shown	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Development layout, building envelope and proposed driveway locations shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Drainage calculations to support the proposed design submitted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Proposed finished floor, <del>garage</del> and ground surface levels shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. Compliance with freeboard requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Location and level of proposed retaining walls indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Appropriate tail water selected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. No adverse impact on other properties or the stormwater network	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Mainstream flood / local overland flow flood report (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Drainage Layout</b>	<b>Yes</b>	<b>No</b>	<b>NA</b>
1. Pipe size, grade and invert level indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Pit location, size, invert level and surface level indicated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Proposed connection point to Council's stormwater system	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>OSD</b>	<b>Yes</b>	<b>No</b>	<b>NA</b>
1. A catchment plan showing areas draining to the OSD system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Location and size of OSD system and WSUD measures shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Location and level of OSD discharge points shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Compliance with detention volume required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Compliance with less than 15% of site area bypassing OSD system	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Compliance with the Permissible Site Discharge (PSD) requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Compliance with OSD storage depths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Overland flows clear from the OSD system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. OSD storage located within common areas, clear of private courtyards and accessible from the street	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Overflow weir provided and shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Details of discharge control pit shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Orifice details and calculations shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Typical sections of OSD storage, including basin invert level, centreline level of outlet orifice, top water level, finished surface levels provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Provision of design certification of the OSD system in accordance with this policy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Others	Yes	No	NA
1. Location of Council's drainage easements, private inter-allotment easements shown (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Location and details of basement pump-out system provided (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Location and details of overland flow path shown (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>