Development Application

10 Lincoln Avenue, Collaroy NSW 2097

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Project:

10 Lincoln Ave, Collaroy NSW 2097

Schubert

Date

Client:

Drawing Number:

DA101

Project number

082_2017

2019.12.05

Drawing:	
T :+ -	

Title Page

Scale

Drawn by:



Checked by:



BASIX Certificate number: A350099_03 Glazing requirements

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Windows and glazed doors

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1

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5

5

1

 \checkmark

page 6 / 9

1

 \checkmark

 \checkmark

1

 \checkmark

 \checkmark

5

 \checkmark

 \checkmark

Show on DA Plans

1

1

 \checkmark

Glazing requirements						Certifier Check
Skylight number	Area of glazing inc. frame (m2)	Shading device	Frame and glass type			
S1	1.99	no shading	timber, Iow-E internal/argon fill/clear external, (or U-value: 2.5, SHGC: 0.456)			
S2	1.99	no shading	timber, Iow-E internal/argon fill/clear external, (or U-value: 2.5, SHGC: 0.456)			

BASIX Certificate number: A350099_03

BASIX Certificate number: A350099 03

Legend

In these commitments, "applicant" means the person ca Commitments identified with a "

"
" in the "Show on DAp
development application is to be lodged for the proposed Commitments identified with a ""in the "Show on CC/ certificate / complying development certificate for the pro-Commitments identified with a "
"
" in the "Certifier check development may be issued.

BASIX Certificate number: A350099_03

Windows and glazed doors glazing requirements

Glazing requ	irements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Window / door	Orientation	Area of	Oversha	adowing	Shading device	Frame and glass type			
		glass inc. frame (m2)	Height (m)	Distance (m)					
WG.01	S	8	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.02	w	2.5	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WG.03	S	19	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.04	E	2.5	0	0	external louvre/blind (adjustable)	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WG.05	s	5	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.06	E	6.5	4	2.4	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.07	E	2.6	5	2.8	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.08	E	2.6	5	2.5	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.09	E	8	4	2.4	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WG.10	N	7	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WG.11	w	17	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WG.12	N	20	0	0	eave/verandah/pergola/balcony >=450 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WL1.01	S	2.5	0	0	none	standard aluminium, single clear, (or U-value; 7.63, SHGC; 0.75)			

The applicant must install the windows, glazed doors and shading devices, in accordance with the specifications listed in the table below Relevant overshadowing specifications must be satisfied for each window and glazed door.

Each window or glazed door with standard aluminium or timber frames and single clear or toned glass may either match the description, or, have a U-value and a Solar Heat Gain Coefficient (SHOC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Feneratation Rating Council (NFRC) conditions.

Each window or glazed door with improved frames, or pyrolytic low e glass, or clear/air gap/clear glazing, or toned/air gap/clear glazing must have a U-value and a Solar Heat Gain Coefficient (SHGC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. The description is provided for information only. Alternative systems with complying U-value and SHGC may be substituted.

For projections described in millimetres, the leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 mm above the head of the window or glazed door and no more than 2400 mm above the sill.

For projections described as a ratio, the ratio of the projection from the wall to the height above the window or glazed door sill must be at least that shown in the table below.

Pergolas with fixed battens must have battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.

Overshadowing buildings or vegetation must be of the height and distance from the centre and the base of the window and glazed door, as specified in the 'overshadowing' column in the table below.

External louvres and blinds must fully shade the window or glazed door beside which they are situated when fully drawn or closed.

Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.

The following requirements must also be satisfied in relation to each window and glazed door:

BASIX Certificate number: A350099 03

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Window / door	Orientation	Area of	Oversha	dowing	Shading device	Frame and glass type			
no.	Chericauon	glass inc. frame (m2)	Height (m)	Distance (m)		n name anu giass type			
WL1.02	S	5.5	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WL1.03	S	5.5	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WL1.04	S	5.5	0	0	none	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)			
WL1.05	N	5	0	0	projection/height above sill ratio >=0.23	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WL1.06	N	2	0	0	projection/height above sill ratio >=0.23	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WL1.07	N	2	0	0	projection/height above sill ratio >=0.23	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WL1.08	N	5	0	0	projection/height above sill ratio >=0.23	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
WL1.09	E	3	0	0	awning (adjustable) >=900 mm	standard aluminium, single pyrolytic low-e, (U-value: 5.7, SHGC: 0.47)			
Skylights	<u>.</u>								
The applicant n	nust install th	e skylight	s in accor	dance with t	he specifications listed in the table t	below.	~	~	~
					to each skylight:				

BASIX Certificate Building Sustainability Index www.basix.nsw.gov.au

Alterations and Additions

Certificate number: A350099 03

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Alterations and Additions Definitions" dated 06/10/2017 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary Date of issue: Thursday, 14, November 2019 To be valid, this certificate must be lodged within 3 months of the date of issue.



Certificate Prepared by (please complete before submitting to Council or PCA)
Name / Company Name: CM Studio
ABN (if applicable): 158240996

Project name Lincoln DA_03 Street address 10 Lincoln Avenue Collaroy Local Government Area Northem Beaches Council Plan type and number Deposited Plan 16998 Lot number 14 Section number

Project type

Dwelling type

uo

pti

Lincoln DA_03 10 Lincoln Avenue Collaroy 2097

Separate dwelling house

Type of alteration and addition My renovation work is valued at \$50,000 or more, and includes a pool (and/or spa).

BASIX Certificate number: A350099_03			page 2 /
Pool and Spa	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Outdoor swimming pool			
The swimming pool must be outdoors.	~	\checkmark	\checkmark
The swimming pool must not have a capacity greater than 39.99 kilolitres.	~	~	~
The swimming pool must have a pool cover.		~	~
The applicant must install a pool pump timer for the swimming pool.		~	~
The applicant must not incorporate any heating system for the swimming pool that is part of this development.		~	~

BASIX Certificate number: A350099 03

c n

			page
Fixtures and systems	Show on DA Plans	Show on CC/CDC Plans & specs	Certifie Check
Hot water			
The applicant must install the following hot water system in the development: gas instantaneous.	\checkmark	\checkmark	~
Lighting			
The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.		\checkmark	~
Fixtures			
The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating.		\checkmark	\checkmark
The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating.		~	~
The applicant must ensure new or altered taps have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.		~	

3ASIX Certificate number: A350099_03					page 4 /
Construction			Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Insulation requirements					
	ation is not required where the area of new con	in accordance with the specifications listed in struction is less than 2m2, b) insulation specified	~	~	~
Construction	Additional insulation required (R-value)	Other specifications			
concrete slab on ground floor.	nil				
floor above existing dwelling or building.	nil				
external wall: framed (weatherboard, fibro, metal clad)	R1.30 (or R1.70 including construction)				
flat ceiling, pitched roof	ceiling: R1.75 (up), roof: foil/sarking	light (solar absorptance < 0.475)			
raked ceiling, pitched/skillion roof: framed	ceiling: R1.76 (up), roof: foil/sarking	light (solar absorptance < 0.475)			
flat ceiling, flat roof: framed	ceiling: R1.82 (up), roof: foil/sarking	light (solar absorptance < 0.475)			

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Lincoln

Project:

10 Lincoln Ave, Collaroy NSW 2097

Schubert

Client:

Date

Drawing Number:

DA102

2019.12.05

Project number

082_2017

page 9/9

arrying out the development.
plans" column must be shown on the plans accompanying the development application for the proposed development (if a d development).
(CDC plans & specs" column must be shown in the plans and specifications accompanying the application for a construction oposed development.
k* column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate for the

BASIX Commitments

Scale

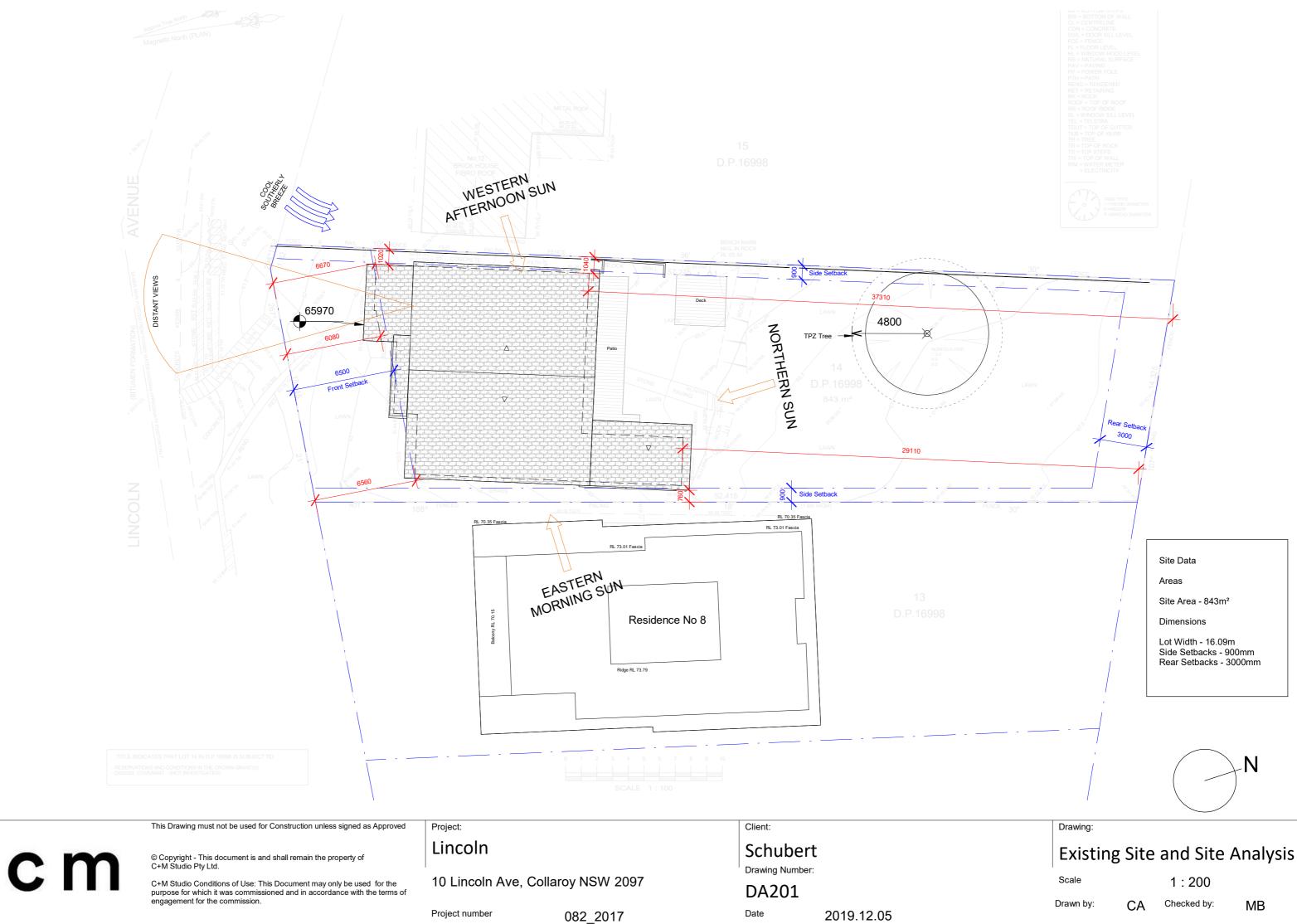
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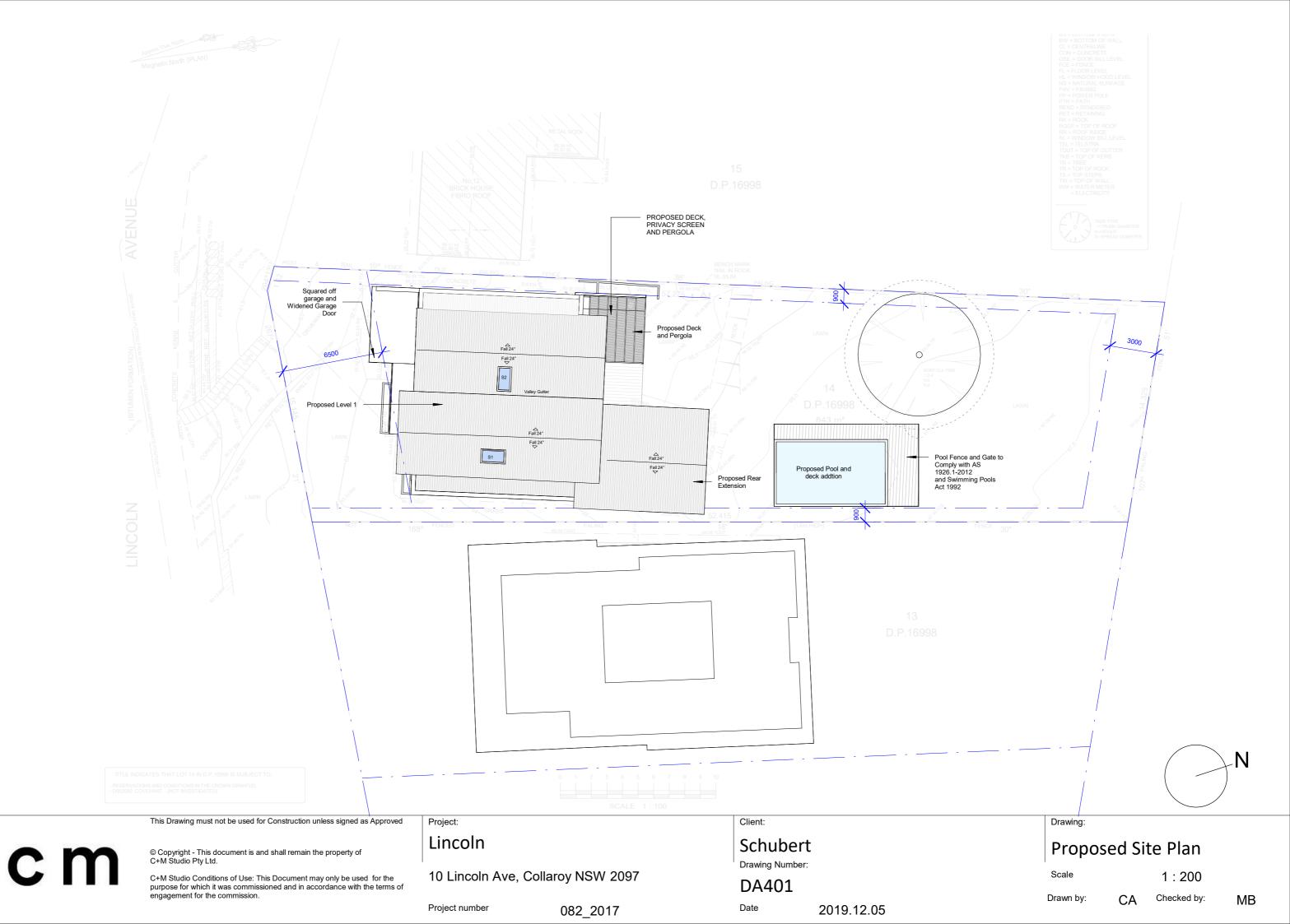
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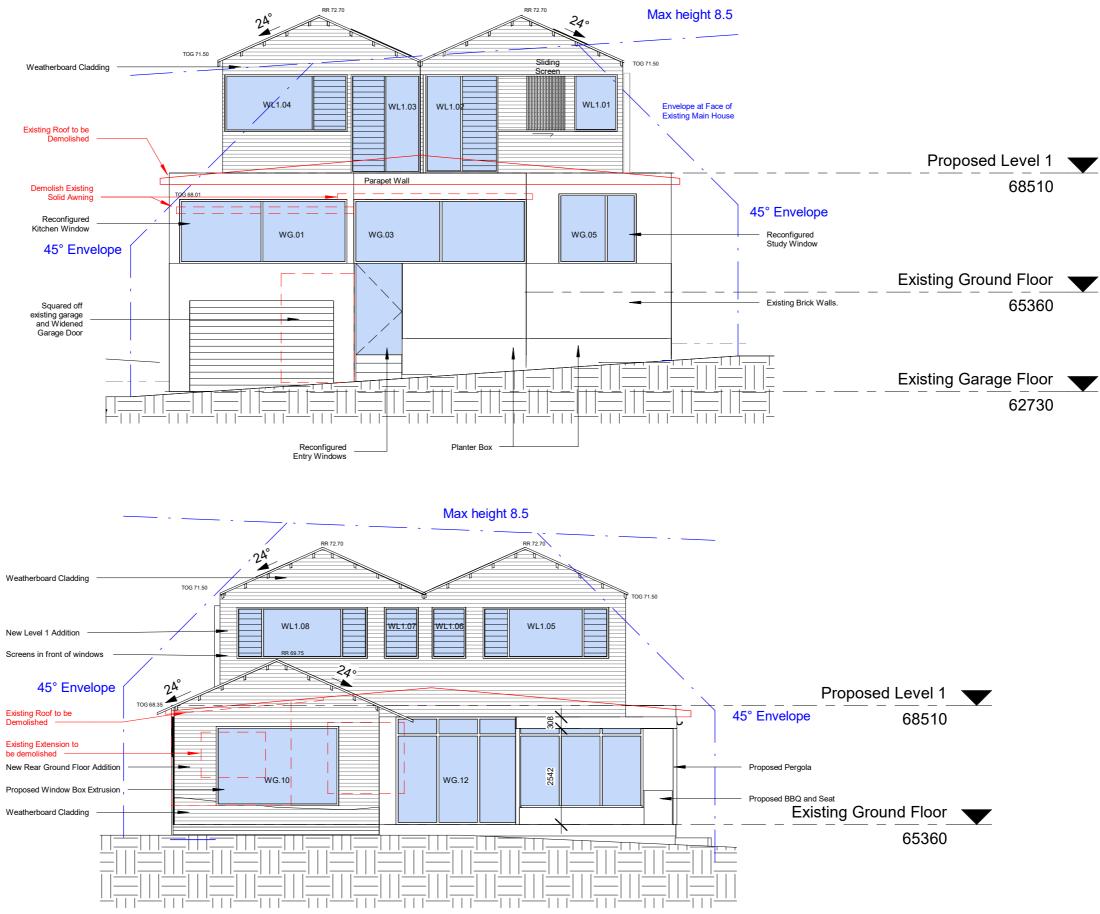


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082_2017

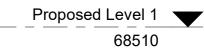
Drawing Number: DA501

Date

Schubert

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2019.12.05



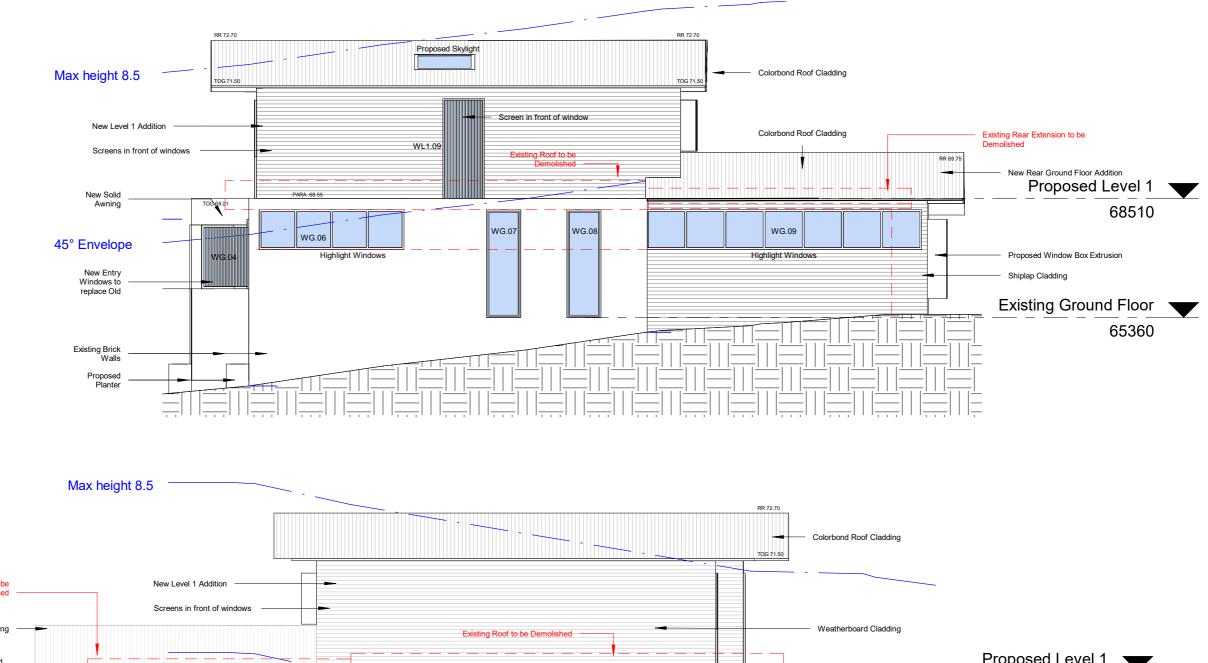
Existing Garage Floor

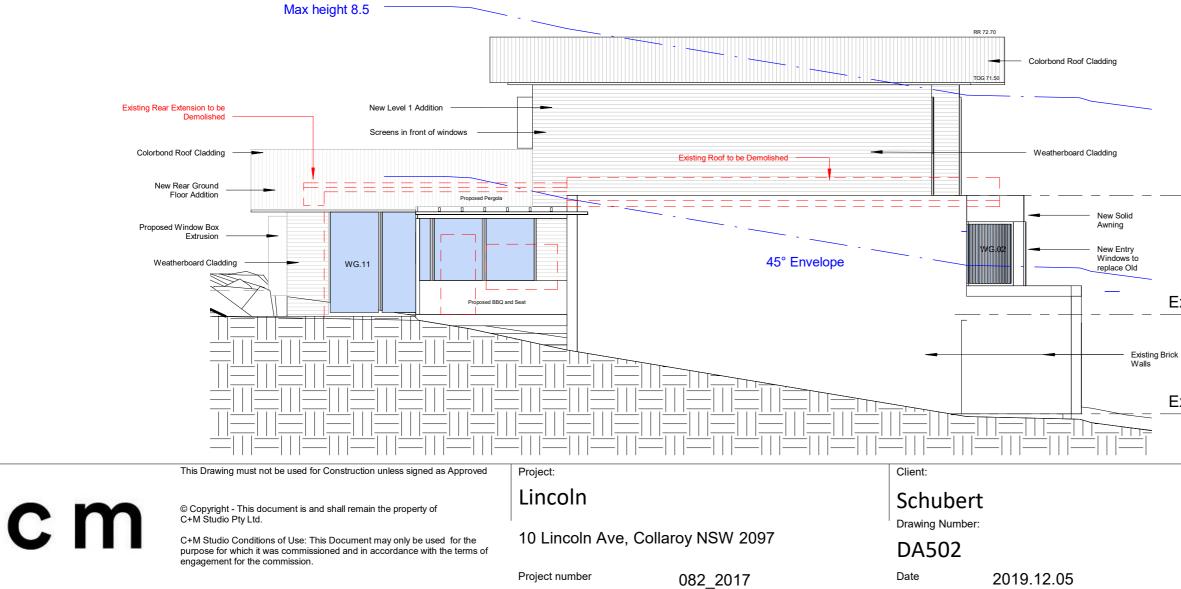
Drawing: Front + Rear Elevations Scale 1:100

Drawn by:

CA

Checked by:





Proposed Level 1 68510

Existing Ground Floor 65360

Existing Garage Floor 62730

Drawing:

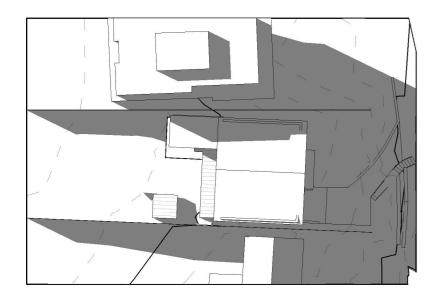
Side Elevations

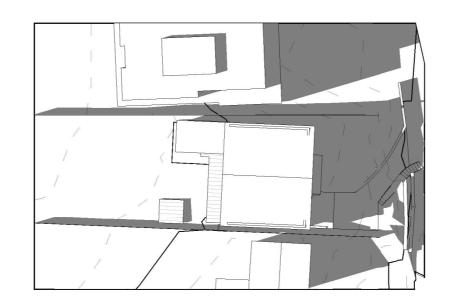
CA

Scale

1:100 Checked by:

Drawn by:

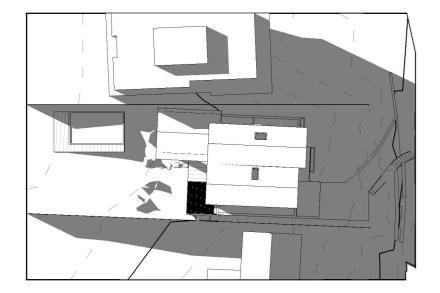




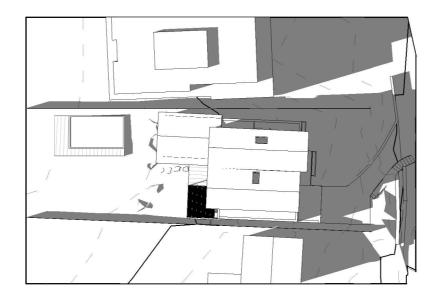


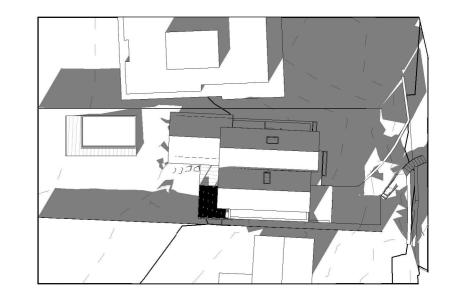






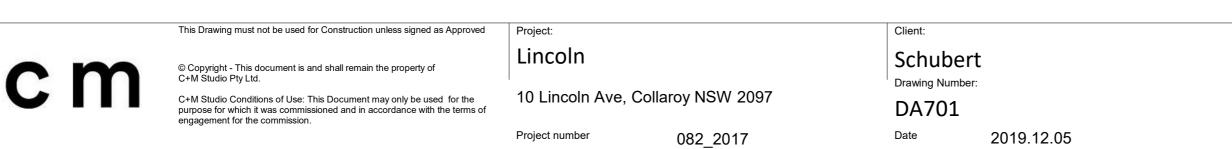


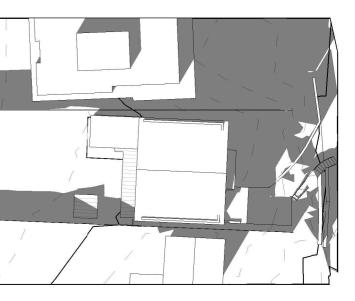












Solar Existing W 1500

Solar Proposed W 1500



Drawing:

Shadow Diagrams

Scale

Drawn by:

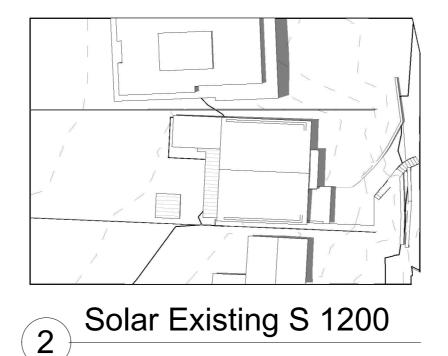


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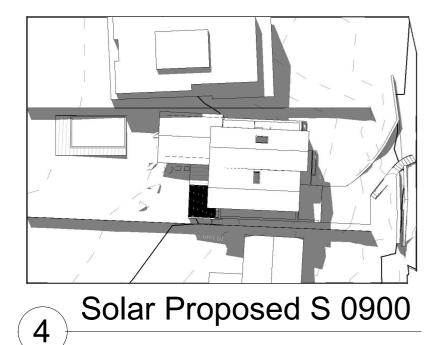


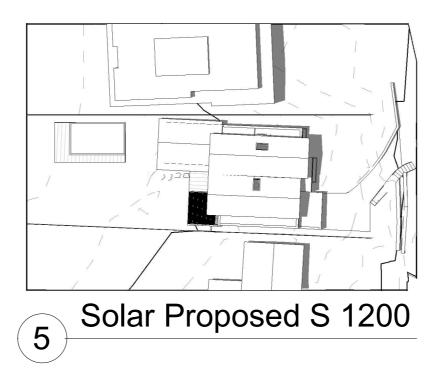


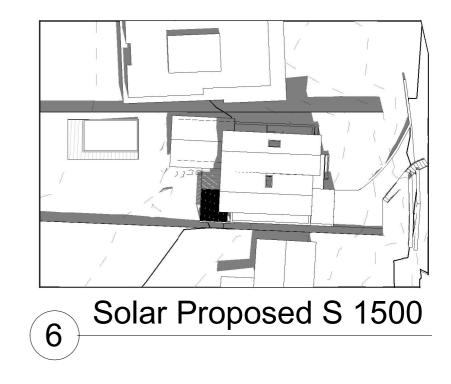


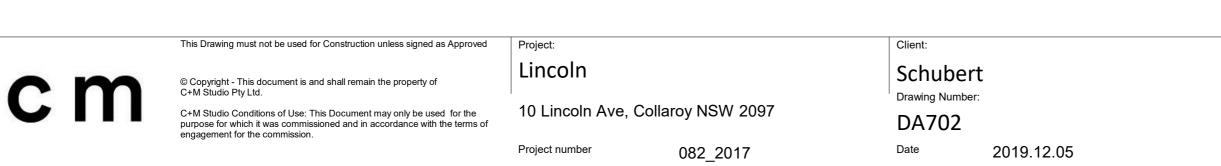














Solar Existing S 1500



Drawing:

Shadow Diagrams

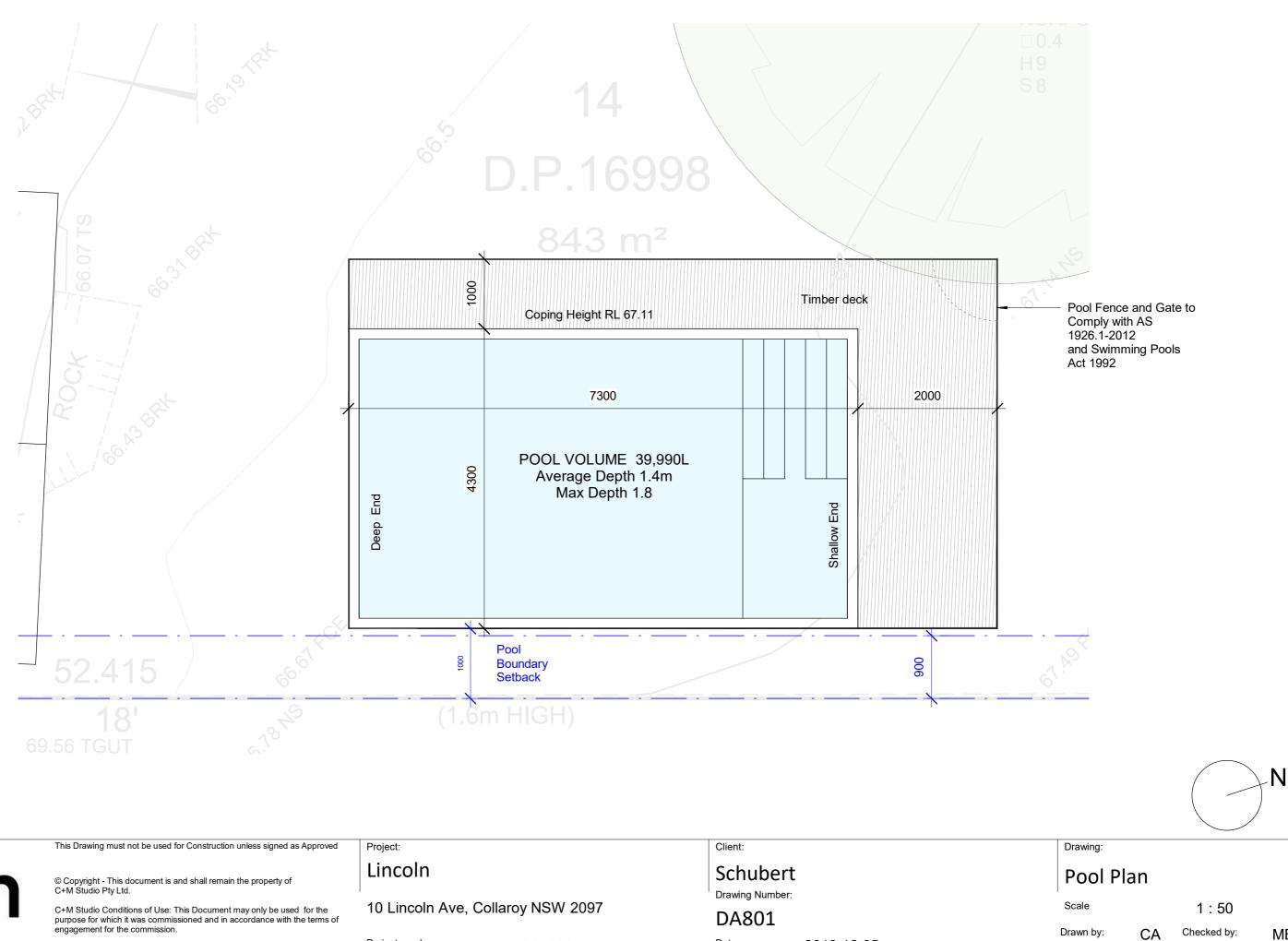
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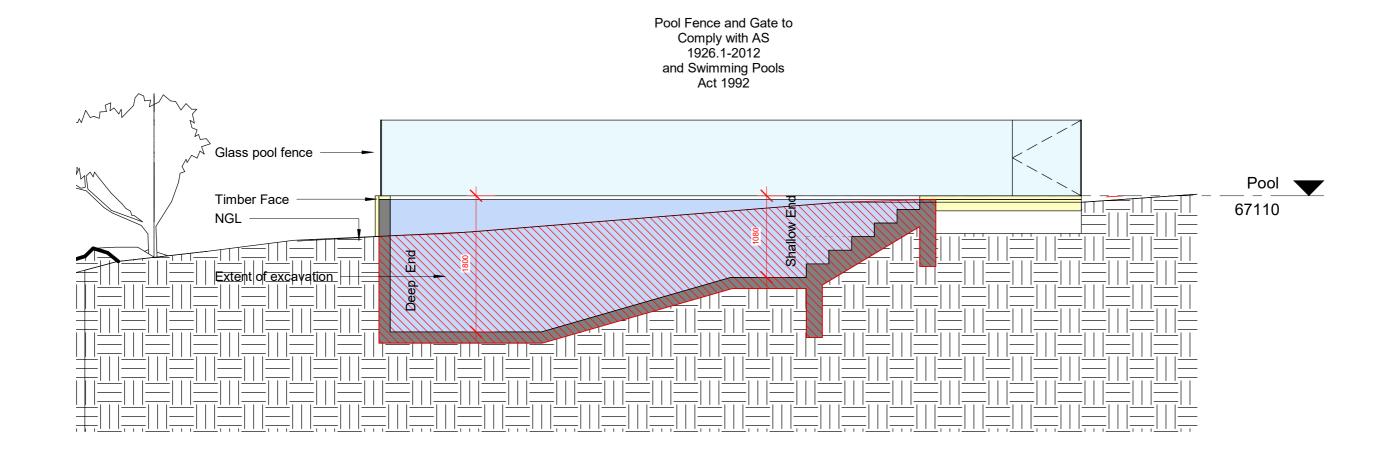


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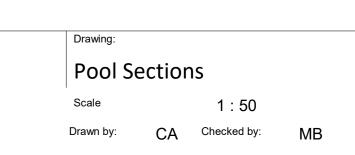


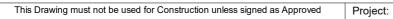


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		Project number	082_2017	Date	2019.12.05



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DA901

2019.12.05



Envelope Diagrams

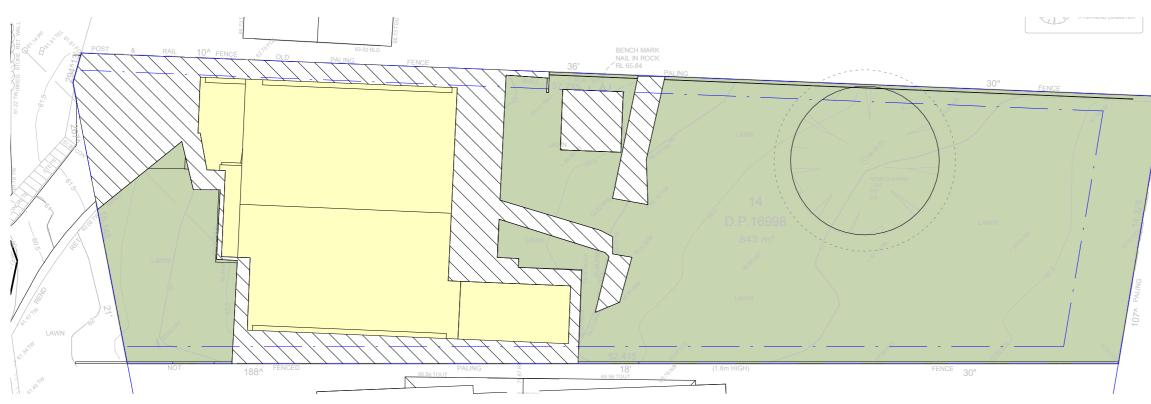
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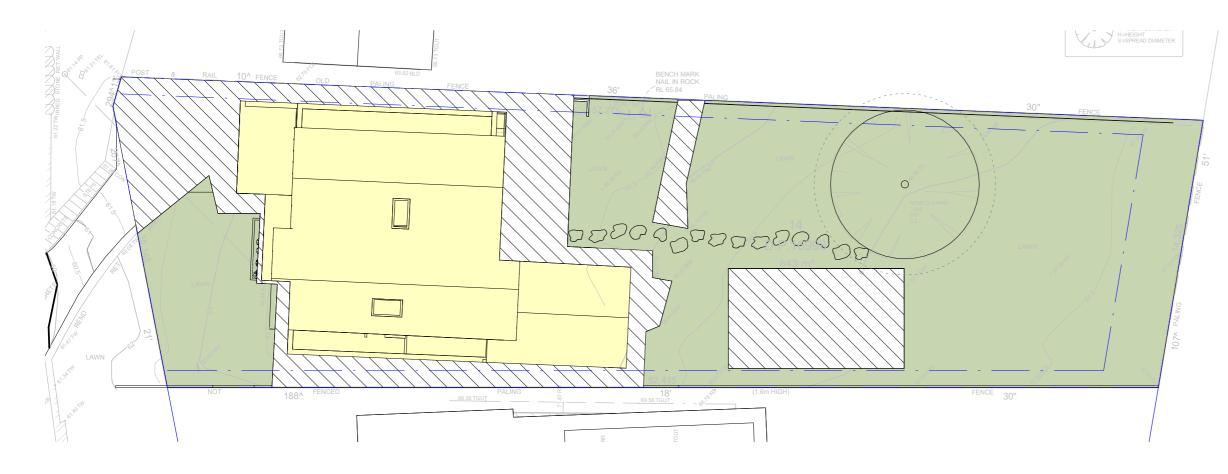
1:1

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DA902

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Building Footprint

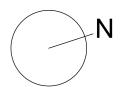
Impervious Landscape

Permeable Landscape

Calculations

Landscape Calculations

Site Area - 843m² Existing Landscape Area - 512m² Minimum Landscape Area (40%) - 337.2m² Proposed Landscape Area - 443m²



Drawing:

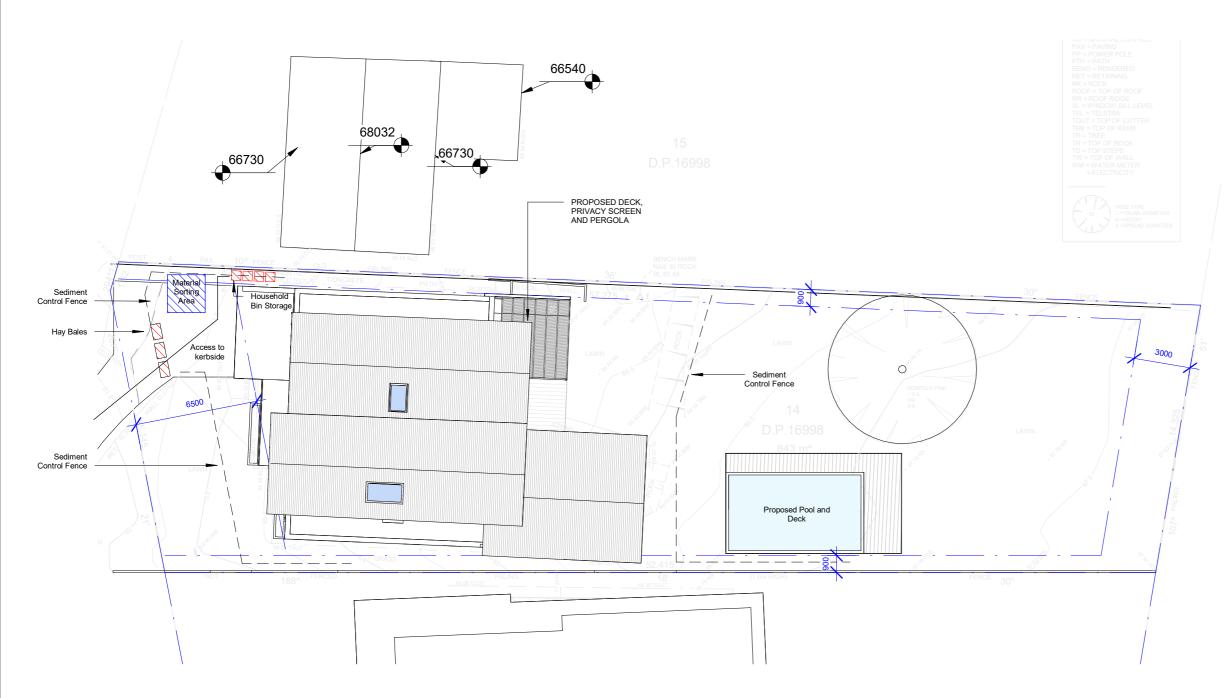
Landscape Calculations

Scale

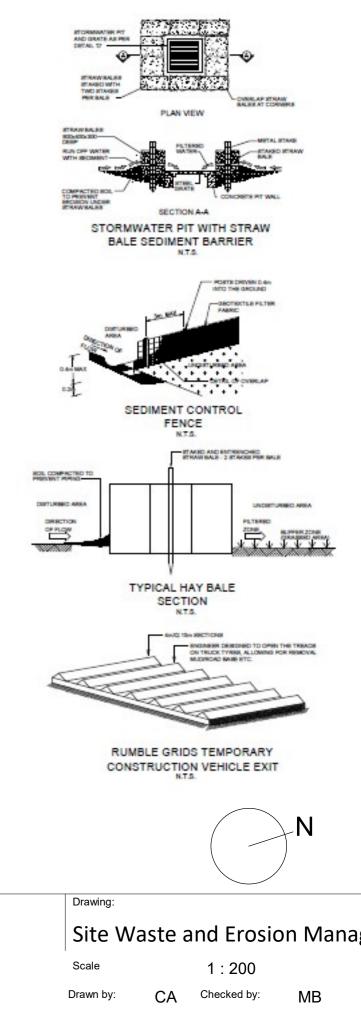
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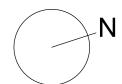


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Drawing:

Excavation Calculations

Scale

1:200

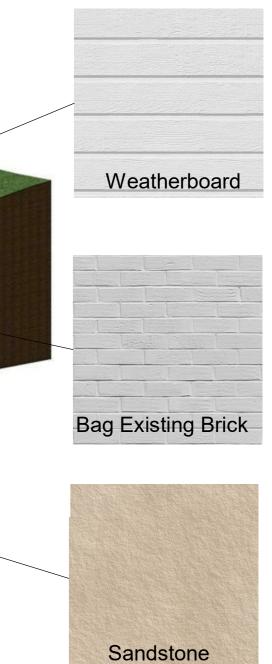
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Colorbond Roof



Drawing:

Materials and Finishes

Scale

1:1

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