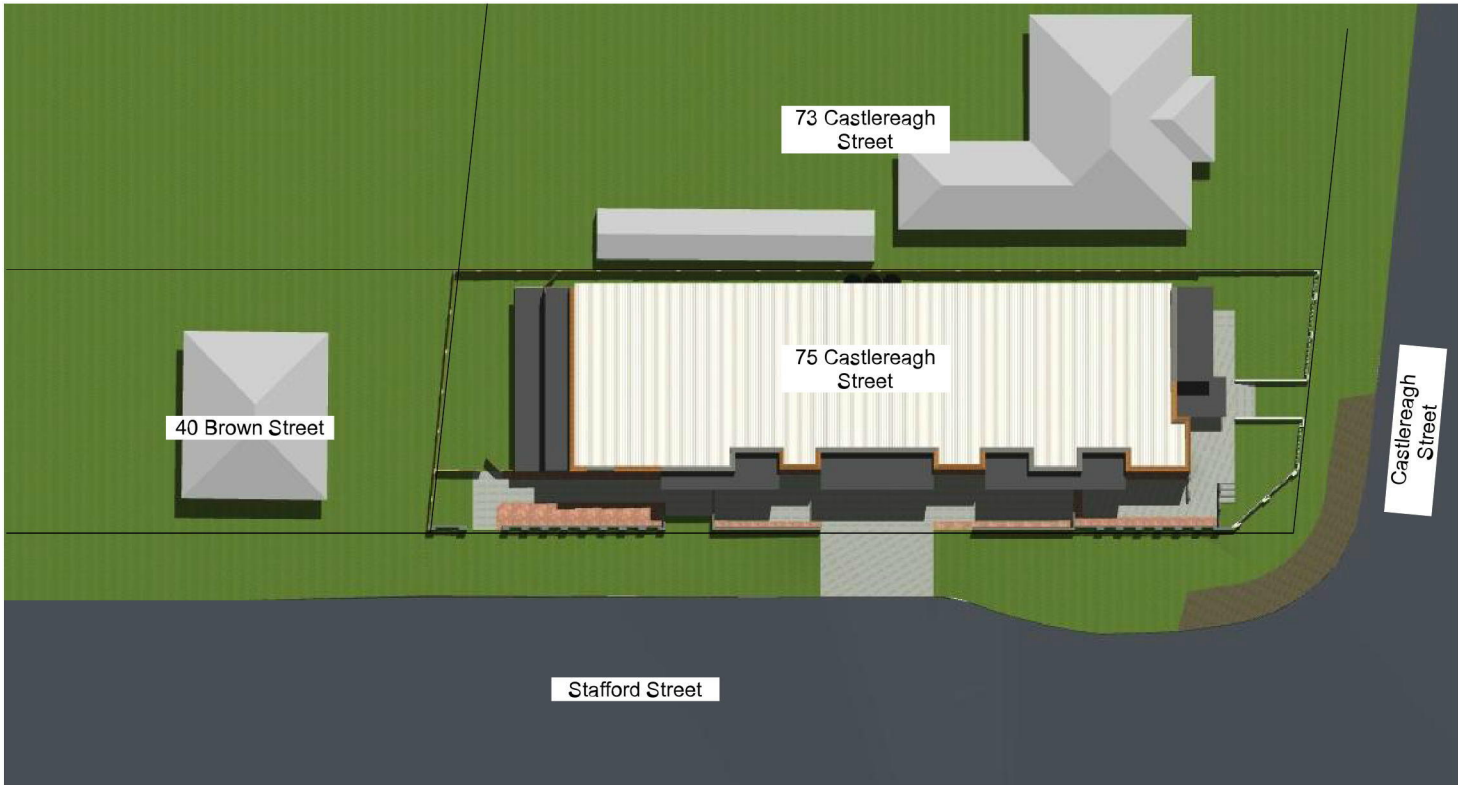


SUN STUDY | DEC 22 | 9AM



SUN STUDY | DEC 22 | 12 NOON



SUN STUDY | DEC 22 | 3 PM

Solar access requirements are that neighbouring properties must receive the minimum of 3 hours direct solar access.

These plans show during summer on the 22nd of December there is no overshadowing of any neighbouring properties.

These sun studies have been adjusted for daylight savings.

Project details for sun study modelling have been set as follows.

Project Location			
Project Name:	Castlereigh	Edit...	
Site Full Address:	75 Castlereagh Street Penrith NSW	Edit...	
Latitude:	33.75908333°	S	Cities...
Longitude:	150.69480556°	E	Import...
Time Zone (UTC):	(UTC+10:00) Australian Eastern Stan...		Export...
Altitude (Sea Level):	28.00	m	
Project North:	125.77°		

Design by

Grant Robinson
Bachelor of Building (Hons) University of Western Sydney

Phone: 07 5472 8748 | Mobile: 0418 372 316
email: grantmatthew@me.com

Drawn by **Grant Robinson** Checked by **Grant Robinson** Date **5/4/19**

APPLICANT

Grant Robinson PROJECT
15 Macquarie Road
Morisset Park
NSW 2264
0418 372 316

Castlereigh
75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167 Site Area - 592.7m²

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3 cm ACTUAL
IF THE ABOVE DIMENSION DOES NOT MEASURE THREE CENTIMETERS (3 cm) EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.



Drawing Name
Shadow Diagrams - Summer

Drawing Scale Sheet Size
A3

Layout ID Status Revision
Site.7
Plotted On: 5/4/19



SHEET INDEX	
ID	Name
A.00	Sheet Index
A.01	Revisions
Site.1	Site Plan
Site.2	Carparking and Hardscaping
Site.3	Roof Plan and Impervious Areas
Site.4	Swept Path
Site.5	Site Estblish & Erosion Control
Site.6	Shadow Diagrams - Winter
Site.7	Shadow Diagrams - Summer
L.P.1	Landscaping
L.P.2	Landscaping Plant Details
A.P.10	Schedules
A.P.11	Ground Floor Plan
A.P.12	First Floor Plan - Lower Roof P...
A.P.13	Floor Space Ratio
A.P.14	Room and Area Sizes
A.P.15	Material Selection
A.S.16	Section Key Plan
A.S.17	Sections A, B and C
A.S.18	Sections D, E and F
A.P.19	Elevations
A.P.20	Elevations

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Date
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Drawing Name

Sheet Index

Drawing Scale

Sheet Size

A3

Layout ID

A.00

Status

Revision

A

Plotted On:

5/4/19



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Document Set ID: 8651102
Version: 1, Version Date: 09/04/2019

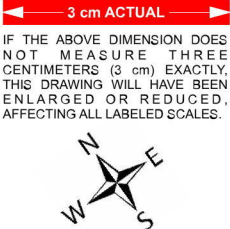
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Grant Robinson
15 Macquarie Road
Morisset Park
NSW 2264
0418 372 316

PROJECT

Castlereigh
75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167 Site Area - 592.7m²

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Drawing Name

Revisions

Sheet Size

A3

Layout ID

A.01

Status

Plotted On:

Revision

A

5/4/19

WINDOW SCHEDULE			
Home Story	MARK	SIZE	
		WIDTH	HEIGHT
GROUND FLOOR	W01-FR	400	2,000
GROUND FLOOR	W02-FR	400	2,000
GROUND FLOOR	W03-FR	400	2,000
GROUND FLOOR	W04-FR	1,200	900
GROUND FLOOR	W05-FR	1,200	900
GROUND FLOOR	W06-FR	1,200	900
GROUND FLOOR	W07-FR	1,200	650
GROUND FLOOR	W08-FR	1,200	650
GROUND FLOOR	W09	400	2,000
GROUND FLOOR	W10	400	2,000
GROUND FLOOR	W11	1,200	400
GROUND FLOOR	W12	400	2,000
GROUND FLOOR	W13	400	2,000
GROUND FLOOR	W14	400	2,000
GROUND FLOOR	W15	400	2,000
GROUND FLOOR	W16	400	2,000
FIRST FLOOR	W17-FR	400	2,000
FIRST FLOOR	W18-FR	400	2,000
FIRST FLOOR	W19-FR	400	2,000
FIRST FLOOR	W20-FR	1,200	650
FIRST FLOOR	W21-FR	1,200	650
FIRST FLOOR	W22-FR	1,200	650
FIRST FLOOR	W23-FR	1,200	650
FIRST FLOOR	W24-FR	1,200	650
FIRST FLOOR	W25	400	2,000
FIRST FLOOR	W26	400	2,000
FIRST FLOOR	W27	1,200	400
FIRST FLOOR	W28	900	600
FIRST FLOOR	W29	900	600
FIRST FLOOR	W30	1,500	900
FIRST FLOOR	W31	1,500	900
FIRST FLOOR	W32	900	600
FIRST FLOOR	W33	900	600
FIRST FLOOR	W34	400	2,000
FIRST FLOOR	W35	400	2,000
FIRST FLOOR	W36	400	2,000
FIRST FLOOR	W37	400	2,000
FIRST FLOOR	W38	400	2,000
FIRST FLOOR	W39	1,800	500

DOOR AND FRAME SCHEDULE			
Home Story	MARK	SIZE	
		W	HT
GROUND FLOOR	Ex01	1,800	2,100
GROUND FLOOR	Ex02	1,800	2,100
GROUND FLOOR	Ex03	1,800	2,100
GROUND FLOOR	Ex04	1,800	2,100
GROUND FLOOR	Ex05	1,800	2,100
GROUND FLOOR	Ex06	1,800	2,100
GROUND FLOOR	In01	900	2,100
GROUND FLOOR	In02	1,020	2,040
GROUND FLOOR	In03	920	2,040
GROUND FLOOR	In04	920	2,040
GROUND FLOOR	In05	920	2,040
GROUND FLOOR	In06	920	2,040
GROUND FLOOR	In07	920	2,040
GROUND FLOOR	In08	920	2,040
FIRST FLOOR	Ex07	1,500	2,100
FIRST FLOOR	Ex08	1,600	2,100
FIRST FLOOR	Ex09	1,600	2,100
FIRST FLOOR	Ex10	1,600	2,100
FIRST FLOOR	Ex11	1,600	2,100
FIRST FLOOR	Ex12	1,600	2,100
FIRST FLOOR	Ex13	1,600	2,100
FIRST FLOOR	Ex14	1,600	2,100
FIRST FLOOR	Ex15	1,600	2,100
FIRST FLOOR	Ex16	1,600	2,100
FIRST FLOOR	In09	900	2,100
FIRST FLOOR	In10	820	2,040
FIRST FLOOR	In11	820	2,040
FIRST FLOOR	In12	900	2,100
FIRST FLOOR	In13	900	2,100
FIRST FLOOR	In14	820	2,040
FIRST FLOOR	In15	820	2,040
FIRST FLOOR	In16	820	2,040
FIRST FLOOR	In17	900	2,100
FIRST FLOOR	In18	820	2,040
FIRST FLOOR	In19	900	2,100
FIRST FLOOR	In20	900	2,100
FIRST FLOOR	In21	820	2,040
FIRST FLOOR	In22	820	2,040
FIRST FLOOR	In23	820	2,040
FIRST FLOOR	In24	900	2,100
FIRST FLOOR	In25	820	2,040
FIRST FLOOR	In26	820	2,040
FIRST FLOOR	In27	820	2,040

Design by

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Drawn by
Grant Robinson

Checked by
Grant Robinson

Date
5/4/19

APPLICANT

Grant Robinson

PROJECT

Castlereigh

15 Macquarie Road
Morisset Park
NSW 2264
0418 372 316

75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167

Site Area - 592.7m²

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3 cm ACTUAL

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Drawing Name

Schedules

Sheet Size

A3

Layout ID

A.P.10

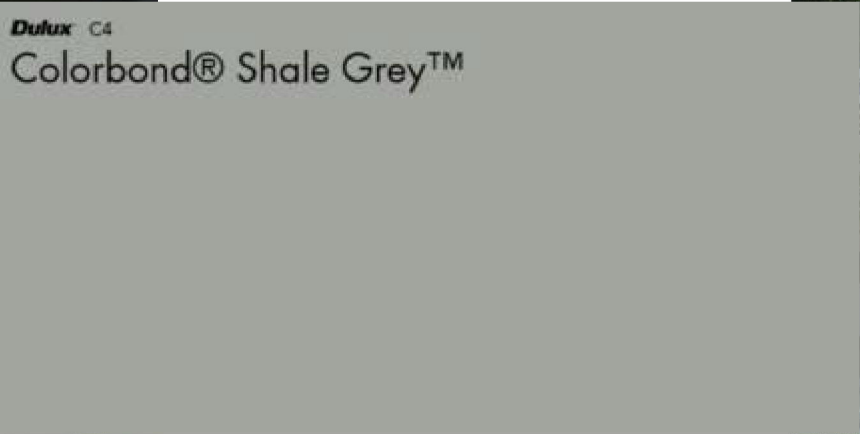
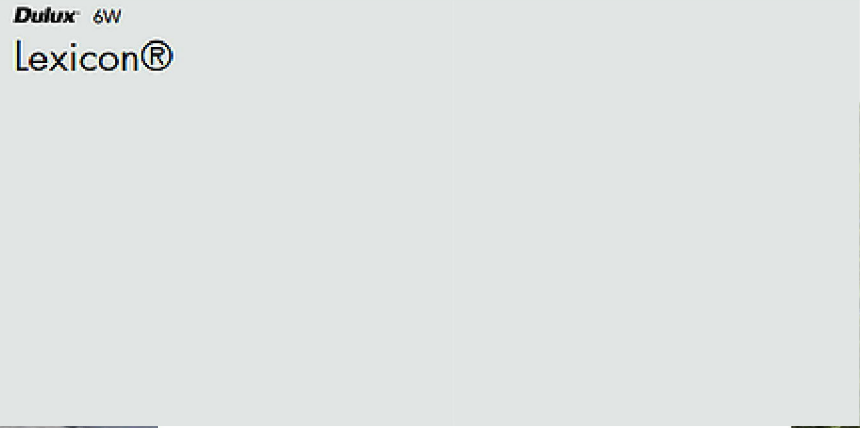
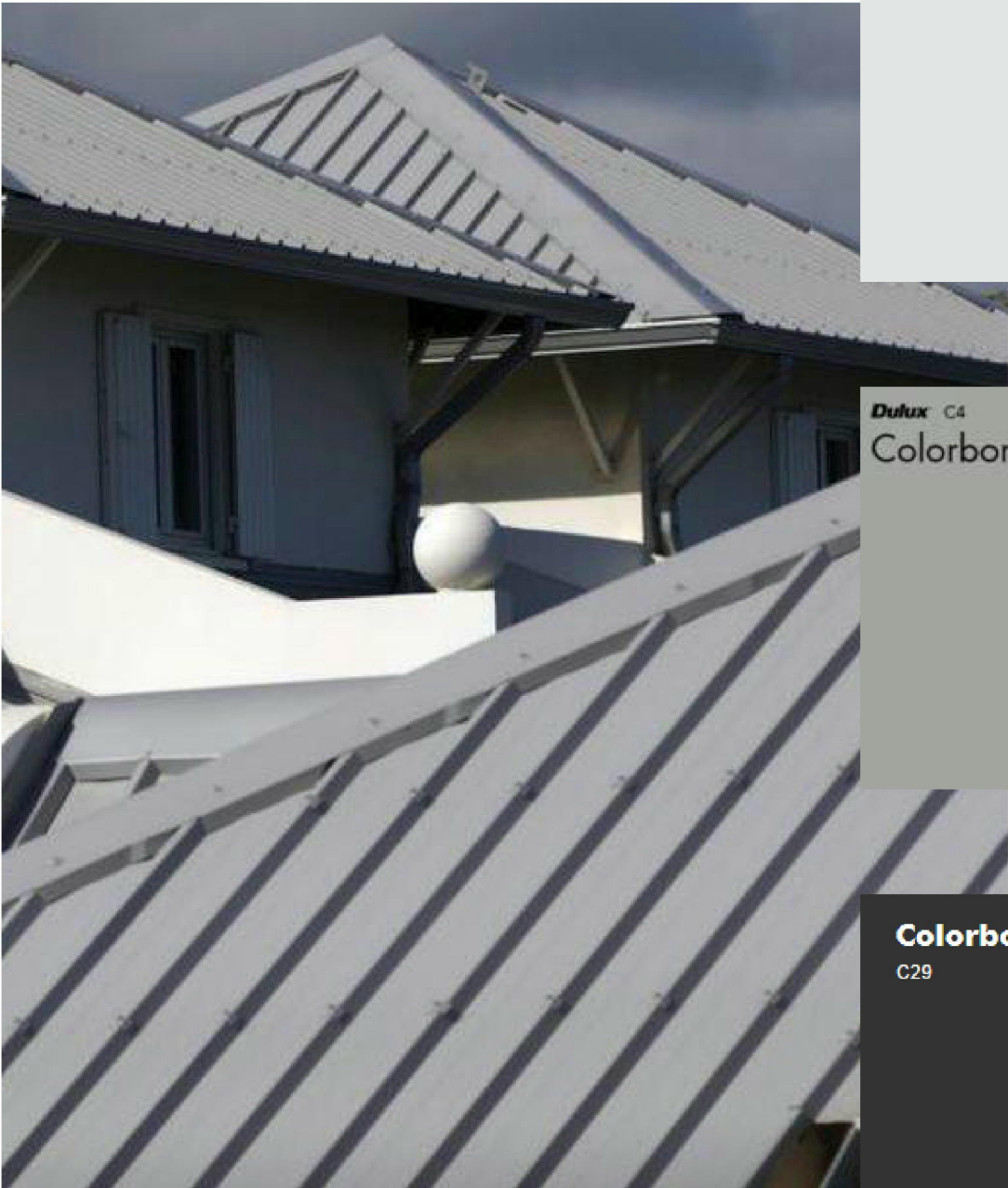
Status

Revision

A

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5/4/19



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Drawn by
Grant Robinson

Checked by
Grant Robinson

Date
5/4/19

APPLICANT

Grant Robinson PROJECT

15 Macquarie Road
Morisset Park
NSW 2264
0418 372 316

Castlereigh

75 Castlereagh Steet
Penrith
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Drawing Name

Material Selection

Sheet Size

A3

Layout ID

A.P.15

Status

Revision

A

Plotted On:

5/4/19



North East Elevation
View from 73 Castlereagh Street



South West Elevation
View from Stafford Street

Design by

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Drawn by
Grant Robinson

Checked by
Grant Robinson

Date
5/4/19

Document Set ID: 6651102
Version: 1, Version Date: 09/04/2019

APPLICANT

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15 Macquarie Road
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NSW 2264
0418 372 316

PROJECT

Castlereigh
75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167
Site Area - 592.7m²

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Drawing Name

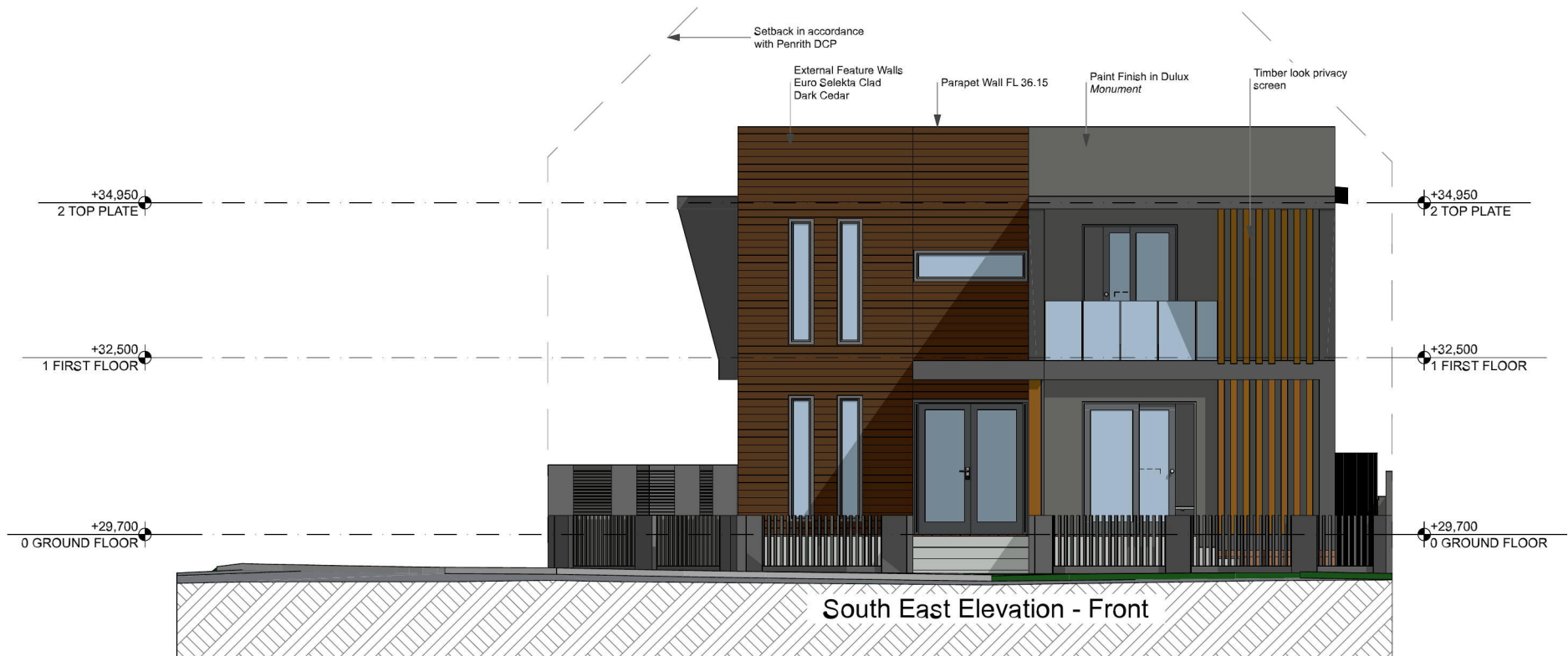
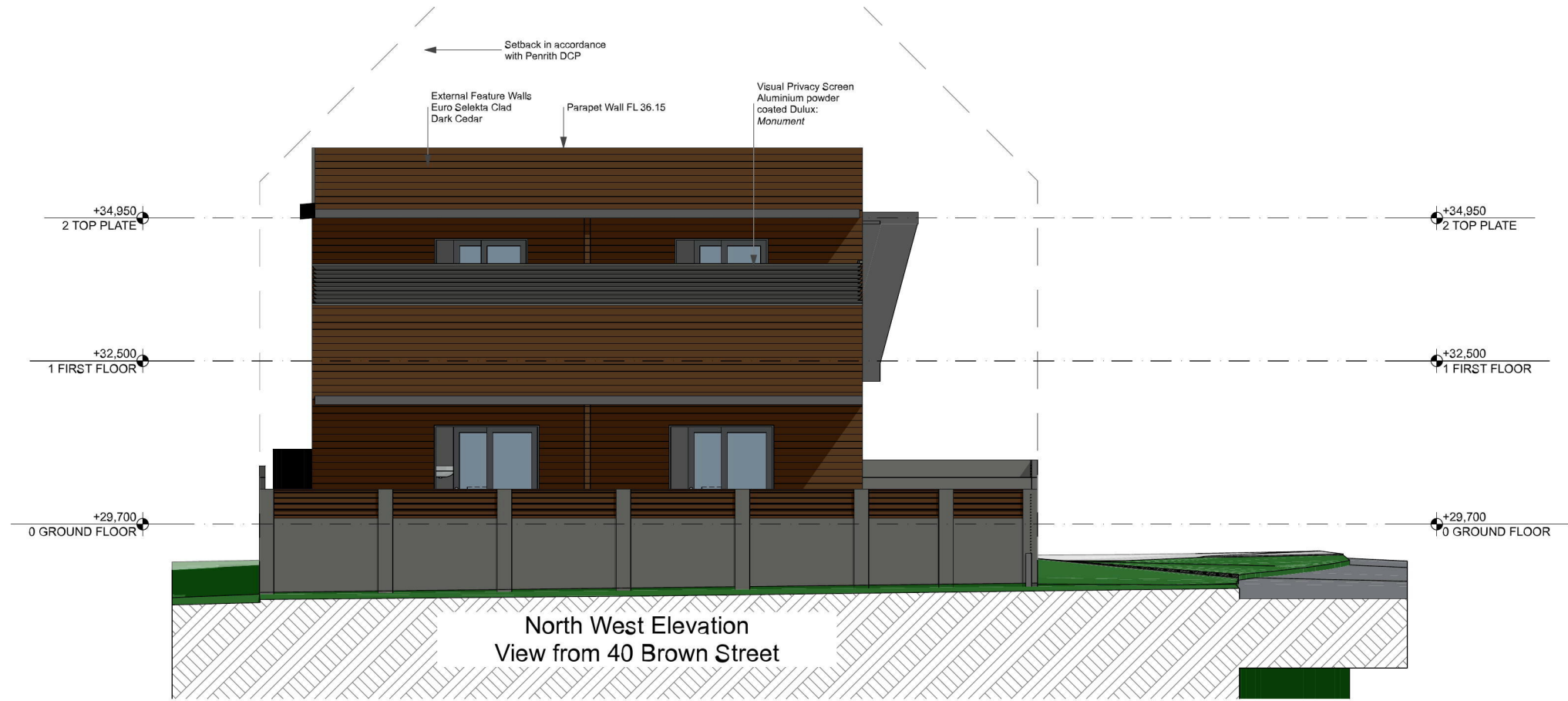
Elevations

Drawing Scale
1:100

Sheet Size
A3

Layout ID
A.P.19

Status
Revision
A
Plotted On: 5/4/19



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Drawn by **Grant Robinson** Checked by **Grant Robinson** Date **5/4/19**

APPLICANT

Grant Robinson
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Morisset Park
NSW 2264
0418 372 316

PROJECT

Castlereigh
75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167 Site Area - 592.7m²

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Drawing Name

Elevations

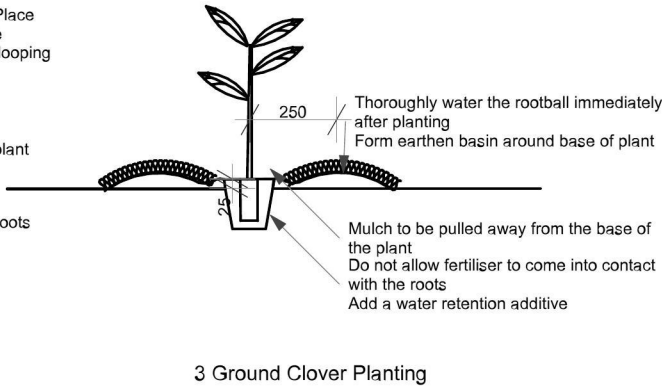
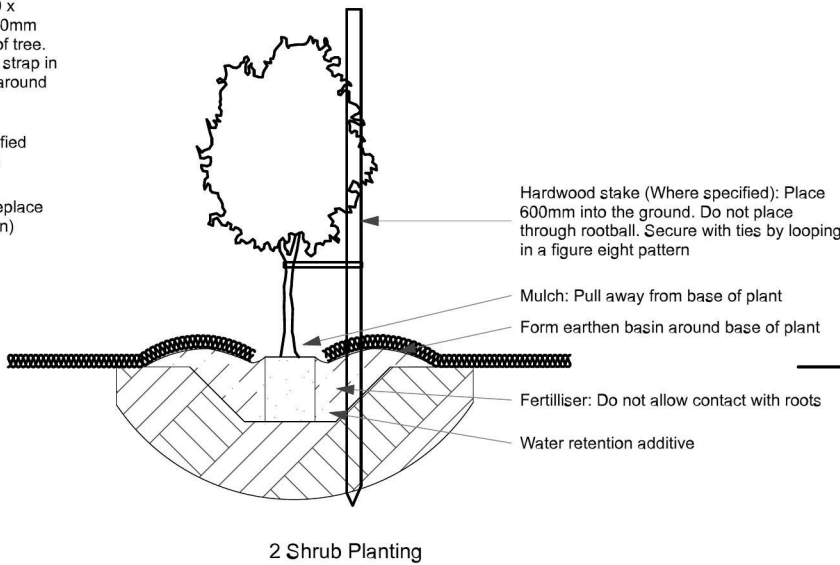
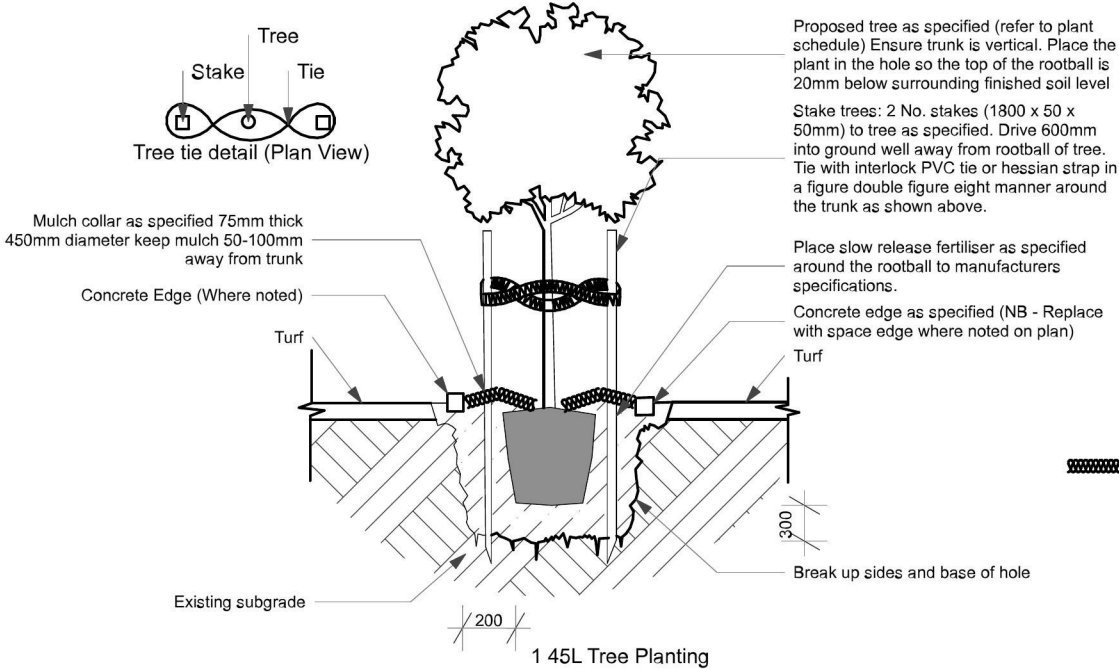
Drawing Scale
1:100

Sheet Size
A3

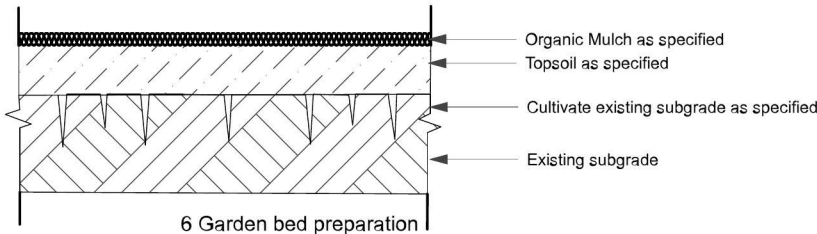
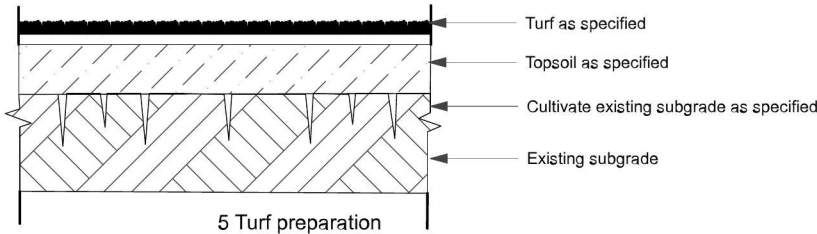
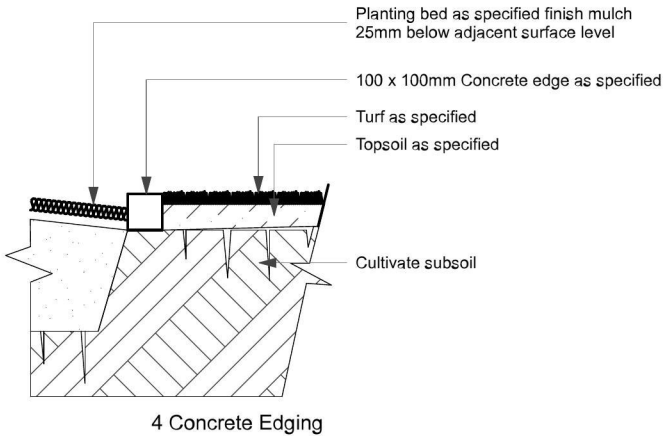
Layout ID
A.P.20

Status
Revision
A
Plotted On: 5/4/19

NOTE: VERIFY LOCATION OF SERVICES
PRIOR TO EXCAVATION OF TREE HOLE



Common Name	Botanical Name	Pot Size	Staking	Quantity
Flowering Feature Trees				
Tuckeroo	<i>Cupaniopsis anacardioides</i>	45L	Yes (2)	As shown
Blueberry Ash	<i>Elaeocarpus reticulatus</i>	45L	Yes (2)	As shown
Little Gem Magnolia	<i>Magnolia grandiflora</i> 'Little Gem'	45L	Yes (2)	As shown
Golden Penda	<i>Xanthostemon chrysanthus</i>	45L	Yes (2)	As shown
Screen Shrubs				
Prestige Grevillea	<i>Grevillea costal prestige</i>	300mm	No	As shown
Spider Lily	<i>Homenocallis littoralis</i>	300mm	No	As shown
Cascade Lillypilly	<i>Syzygium australe</i> "Cascade"	300mm	No	As shown
Native Rosemary	<i>Westringia fruticosa</i>	300mm	No	As shown
Climbers				
Purple Coral Pea	<i>Hardenbergia violacea</i>	Tubestock	No	As shown
Groundcovers				
Evergreen Giant	<i>Liriope Evergreen Giant</i>	Tubestock	No	As shown
Native Violet	<i>Viola hederacea</i>	Tubestock	No	As shown



Design by

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APPLICANT

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PROJECT

Castlereagh

75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167

Site Area - 592.7m²

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Drawing Name

Landscaping Plant Details

Drawing Scale

1:75

Sheet Size

A3

Layout ID

L.P.2

Status

Revision

A

Plotted On:

5/4/19



Existing Impervious	
Zone Name	Measured Area
---	---
Existing Impervious	145.15
	145.15 m²

Roof Areas	
Zone Name	Measured Area
---	---
Balcony 1	10.25
Balcony 2	11.18
Balcony 3	11.06
Balcony 4	7.94
Balcony 5	11.67
Entrance	5.22
Main Roof 1	289.93
	347.25 m²

Stormwater Plan Notes
All drainage lines shall be UPVC (Class SH) stormwater drainage pipe, UNO
All drainage lines shall be laid @ 1% fall min, UNO
First Flush rainwater devices to be fitted to drainage lines to builders detail, typical
Minimum effective eave gutter slope = 1:500

Downpipe and Gutter size calculated in accordance with the Australian Plumbing Code AS/NZS 3500.3:2015 and based on a rainfall intensity of 166mm/hr (20year average for Penrith)
Minimum effective gutter size = 10,000mm2 or 140w x 70d
The following Symbols & abbreviations have been used
DP = Down Pipe
SIP = Surface Inlet Pit (no lintel)
100 (c) = ø100 Charged line

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APPLICANT
Grant Robinson
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0418 372 316

PROJECT
Castlereigh
75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167
Site Area - 592.7m²

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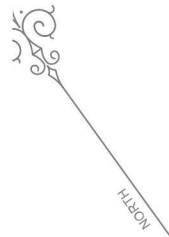
Drawing Name
Roof Plan and Impervious Areas

Sheet Size
A3

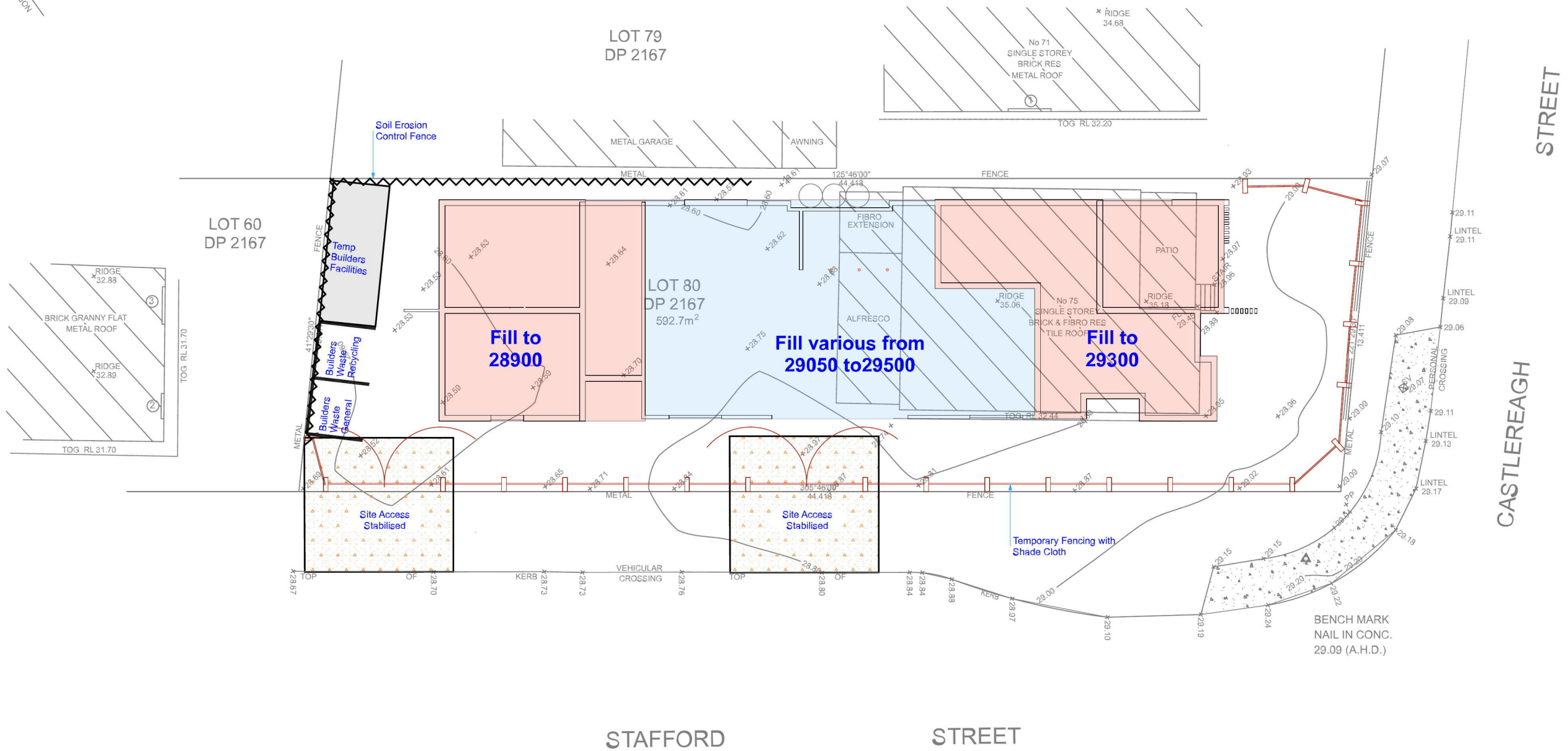
Layout ID
Site.3

Status
Plotted On:

Revision
A
5/4/19



SCHEDULE OF WINDOWS		
No.	SILL RL	HEAD RL
1	30.70	31.76
2	29.87	31.17
3	29.87	31.17



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Drawn by **Grant Robinson** Checked by **Grant Robinson** Date **5/4/19**

APPLICANT

Grant Robinson

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Morisset Park
NSW 2264
0418 372 316

PROJECT

Castlereigh

75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167

Site Area - 592.7m²

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Drawing Name

Site Estblsh & Erosion Control

Drawing Scale

1:200

Sheet Size

A3

Layout ID

Site.5

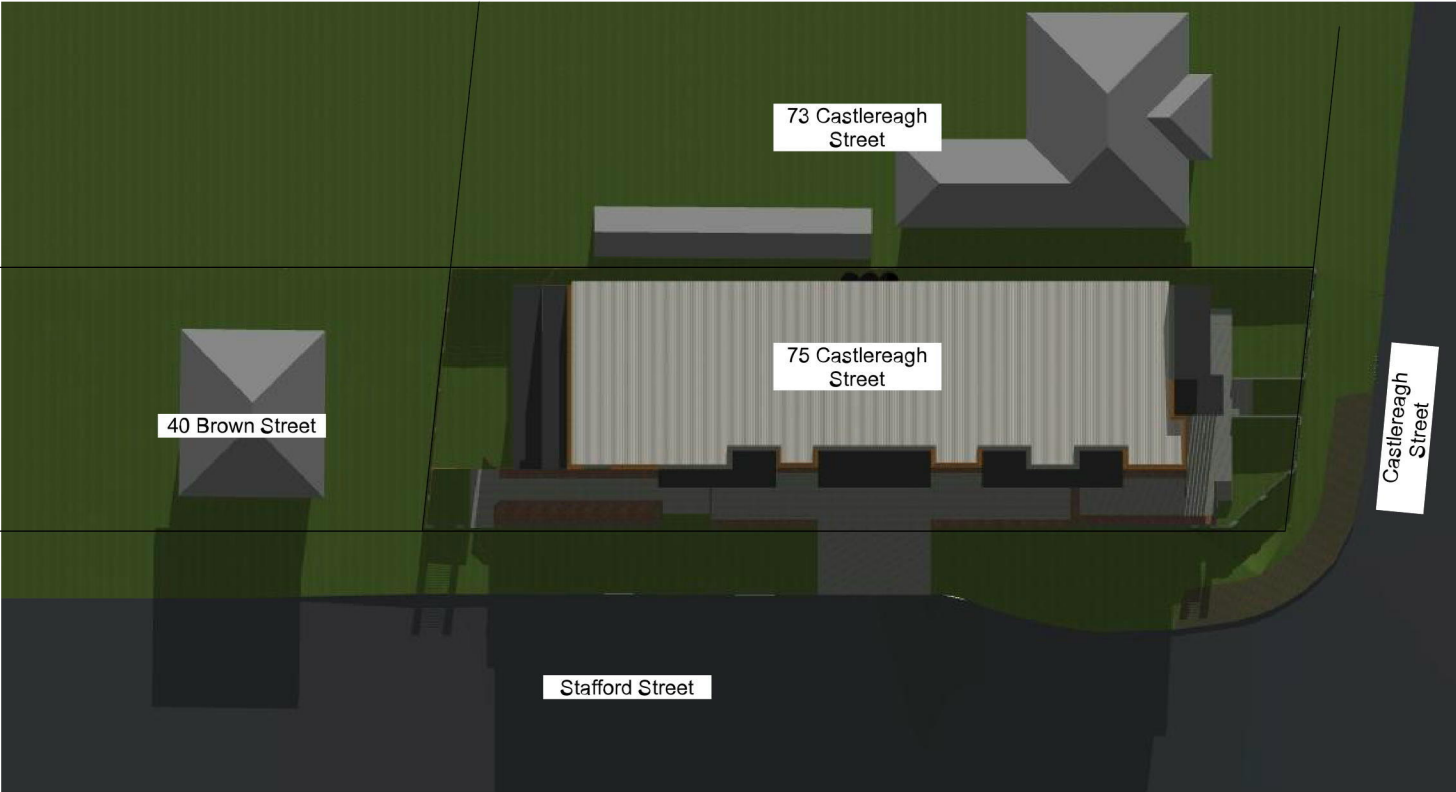
Status

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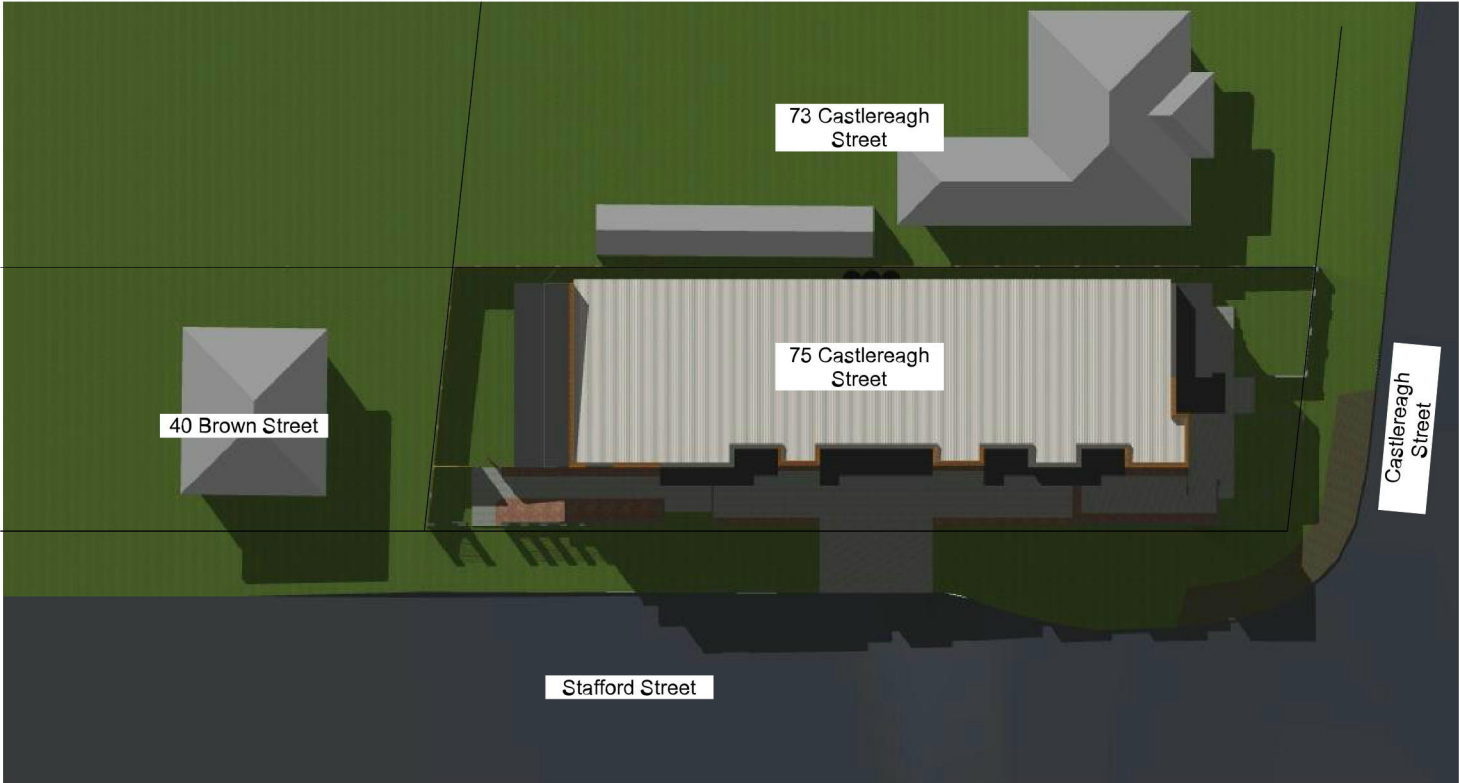
Revision

Plotted On:

5/4/19



SUN STUDY | JUNE 21 | 9 AM



SUN STUDY | JUNE 21 | 12 NOON



SUN STUDY | JUNE 21 | 3 PM

Requirements state that neighbouring properties must receive the minimum of 3 hours direct solar access.

These plans show during winter on the 21st of June there is no overshadowing of any neighbouring properties.

Project details for sun study modelling have been set as follows.

Project Location

Project Name:

Castlereigh

Edit...

Site Full Address:

75 Castlereagh Street Penrith NSW

Edit...

Latitude:

33.75908333°

S

>

Cities...

Longitude:

150.69480556°

E

>

Import...

Time Zone (UTC):

(UTC+10:00) Australian Eastern Stan...

>

Export...

Altitude (Sea Level):

28.00

>

m

Project North:

125.77°

>

Design by

Grant Robinson
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Phone: 07 5472 8748 | Mobile: 0418 372 316
email: grantmatthew@me.com

Drawn by
Grant Robinson

Checked by
Grant Robinson

Date
5/4/19

APPLICANT

Grant Robinson PROJECT
15 Macquarie Road
Morisset Park
NSW 2264
0418 372 316

Castlereigh
75 Castlereagh Steet
Penrith
NSW
Lot 80
DP 2167 Site Area - 592.7m²

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Drawing Name
Shadow Diagrams - Winter

Drawing Scale
A3

Layout ID
Site.6

Status
Plotted On:

Revision
A
5/4/19