

PLANNING PROPOSAL 2-22 WILLIAM STREET, GRANVILLE

PREPARED FOR

SID ARIDA

ISSUE 26/9/2016



Project Tourism International Architecture Pty Ltd
Level 10, 243 Clarence Street Sydney NSW 2000
T +61 2 9283 1840 www.pti.com.au ABRN 60 590 071 022
Incorporated in New South Wales Australia



1 LOCATION PLAN



2 SITE-BIRD'S EYE VIEW

UNIT SCHEDULE

	1 BED	2 BED	3 BED	TOTAL
LEVEL G/F	4	4	2	10
LEVEL 1/F	3	7	1	11
LEVEL 2/F	2	6	1	9
LEVEL 3/F	2	6	1	9
LEVEL 4/F	3	3	1	7
TOTAL	14	26	6	46

FSR CALCULATIONS

GROUND FLOOR	910 sqm
LEVEL 1	863 sqm
LEVEL 2	731 sqm
LEVEL 3	731 sqm
LEVEL 4	547 sqm
TOTAL GFA	3,782 sqm
SITE AREA	2,175 sqm
PROPOSED FSR	1.7:1

- SITE 1: 10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- TRAIN STATION

SITE LOCATION

NOTE
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 2. Figured dimensions to be taken in preference to scaled dwgs.
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REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15
C	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	19/10/15
D	RE-ISSUE TO COUNCIL	AB	22/10/15
E	RE-ISSUE TO COUNCIL	AB	27/05/16
F		AB	2/09/16
G		AB	26/09/16

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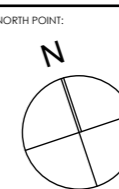
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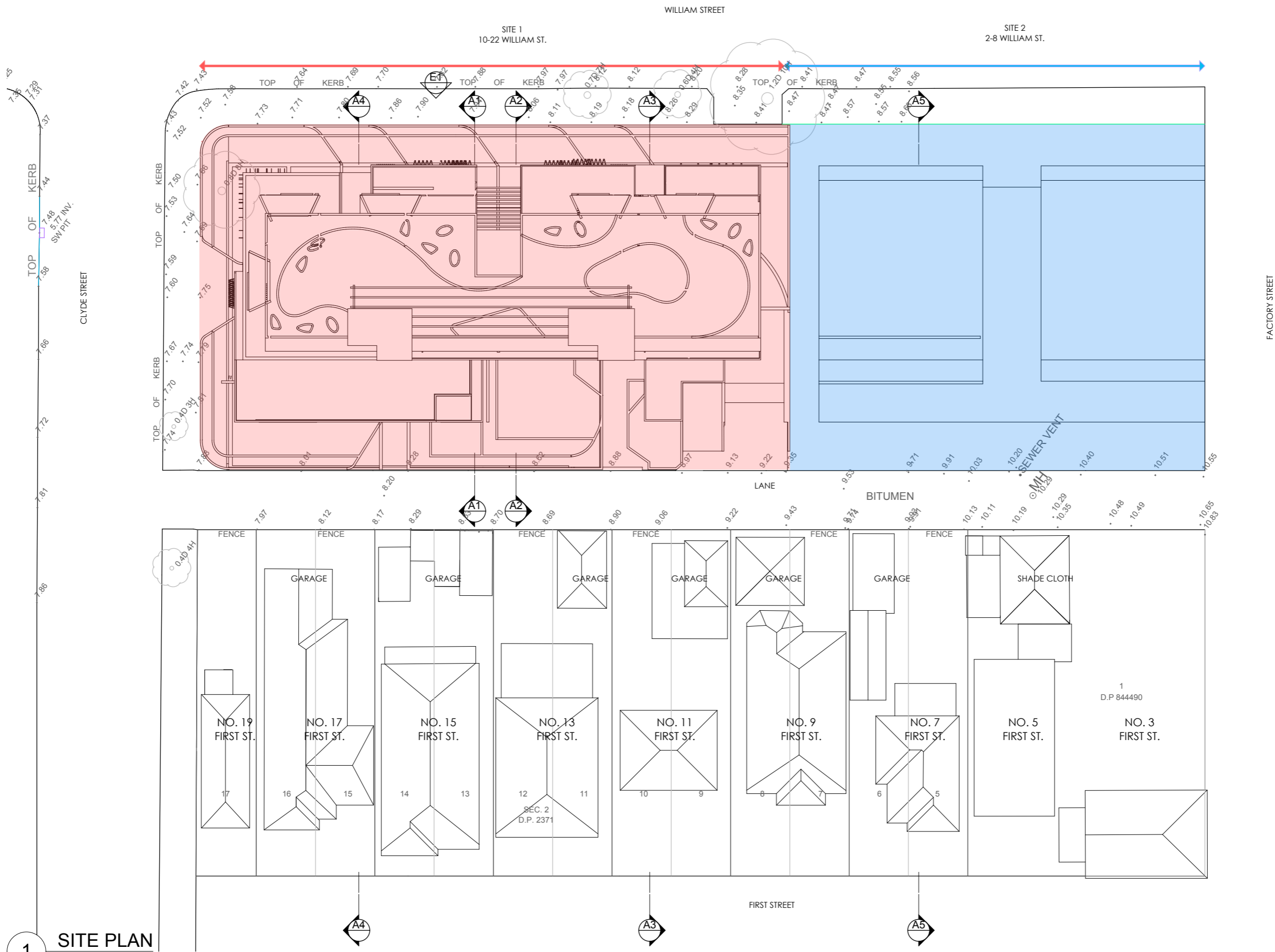
CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
LOCATION PLAN AND PROJECT SUMMARY



DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT No:	P343.1
SCALE:	@ A3
A	PP
disc	stage
01	G
dwg no.	revision



1 SITE PLAN

NOTE
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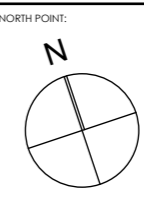
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C		AB	19/10/15				
D		AB	22/10/15				
G		AB	27/05/16				
		AB	2/09/16				
		AB	26/09/16				



CLIENT:
 SID ARIDA

2-22 WILLIAM STREET,
 GRANVILLE
 DRAWING TITLE:
 SITE PLAN



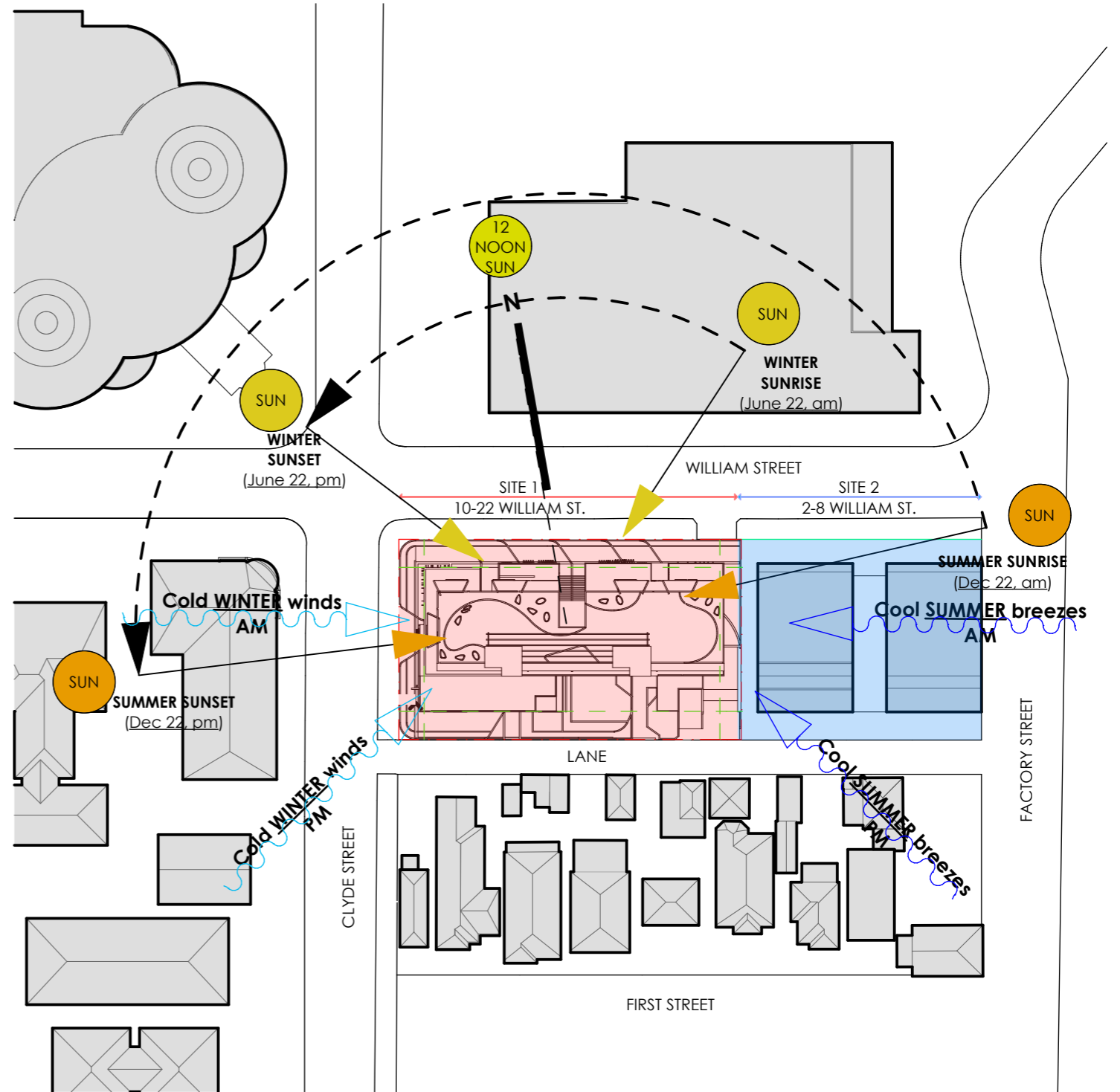
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DRAWN BY:	AB								
CHECKED BY:	PI								
PROJECT NO:	P343.1								
SCALE:	1:400 @ A3								
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A	PP	02	G						
disc	stage	dwg no.	revision						

COMPLIANCE TABLE

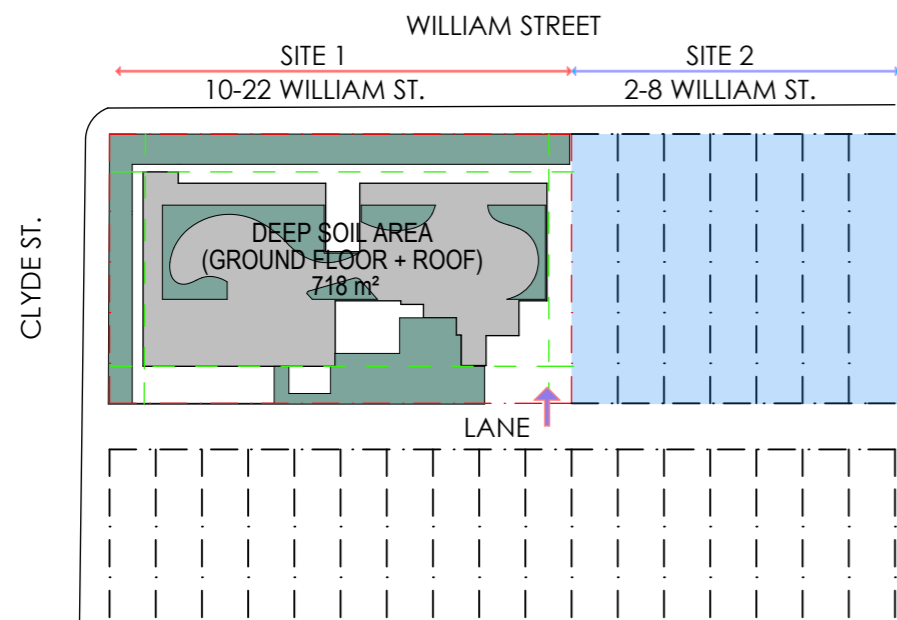
CONTROL	REQUIRED	PROPOSED
MIN. SITE AREA	550 SQM	2175 SQM ✓
FLOOR SPACE RATIO	1:1	1.7:1 ✓
MIN. SITE FRONTAGE	24 METRE	60.8 METRE ✓
SIDE SETBACK	3 METRE	3 METRE ✓
REAR SETBACK (15% SITE LENGTH)	9 METRE	AVERAGE 9 METRE ✓
FRONT SETBACK	5 METRE	5 METRE ✓
BUILDING HEIGHT	14 METRE	16.2 METRE ✓
COMMON OPEN SPACE (25% SITE AREA)	544 SQM	865 SQM ✓
SOLAR ACCESS TO NEIGHBOURING PROPERTIES TO THE SOUTH	2 HOURS IN MID WINTER	MORE THEN 3 HOURS IN MID WINTER ✓
PRIVATE OPEN SPACE	AS PER ADG REQUIREMENTS	COMPLIES WITH ADG REQUIREMENTS ✓
SOLAR ACCESS TO HABITABLE ROOMS AND BALCONIES	70%	87% ✓
LANDSCAPE (MIN. 40% SITE SIZE)	870 SQM	1040 SQM ✓
DEEP SOIL AREA (MIN. 30% SITE SIZE)	653 SQM	718 SQM ✓

ADG COMPLIANCE SUN STUDY + NATURAL VENTILATION SCHEDULE

FLOOR	COMPLIANT MIN 2 HRS SUNLIGHT TO LIVING SPACES	CROSS VENTILATION COMPLIANT
LEVEL G/F	8/10	7/10
LEVEL 1/F	9/11	10/11
LEVEL 2/F	8/9	9/9
LEVEL 3/F	8/9	9/9
LEVEL 4/F	7/7	4/7
40/46=87%		39/46=85%
COMPLY WITH ADG AND DCP REQUIREMENTS		



3 SITE ANALYSIS



2 DCP DEEP SOIL REQUIREMENT

--- SET BACK LINE
 --- BOUNDARY LINE
 ↓ CAR PARK ENTRY
 [Grey Box] BUILDING FOOTPRINT
 [Green Box] PROPOSED DEEP SOIL AREA: APPROX 718 SQM
 [Pink Box] SUBJECT SITE AREA 10-22 WILLIAM ST.

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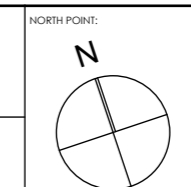
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CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE
DRAWING TITLE:
SITE ANALYSIS



DATE: FEB 2015
 DRAWN BY: AB
 CHECKED BY: PI
 PROJECT No: P343.1 SCALE: 1:1000 @ A3
 A PP 03 G
disc stage dwg no. revision



E1 NORTH ELEVATION

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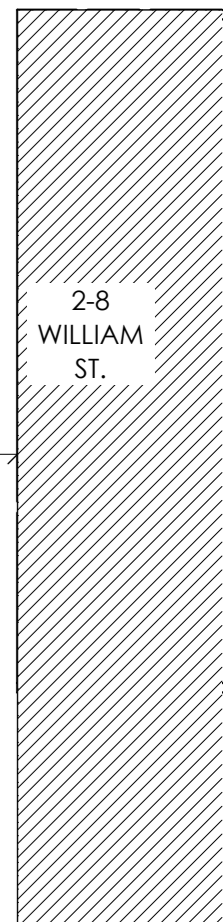
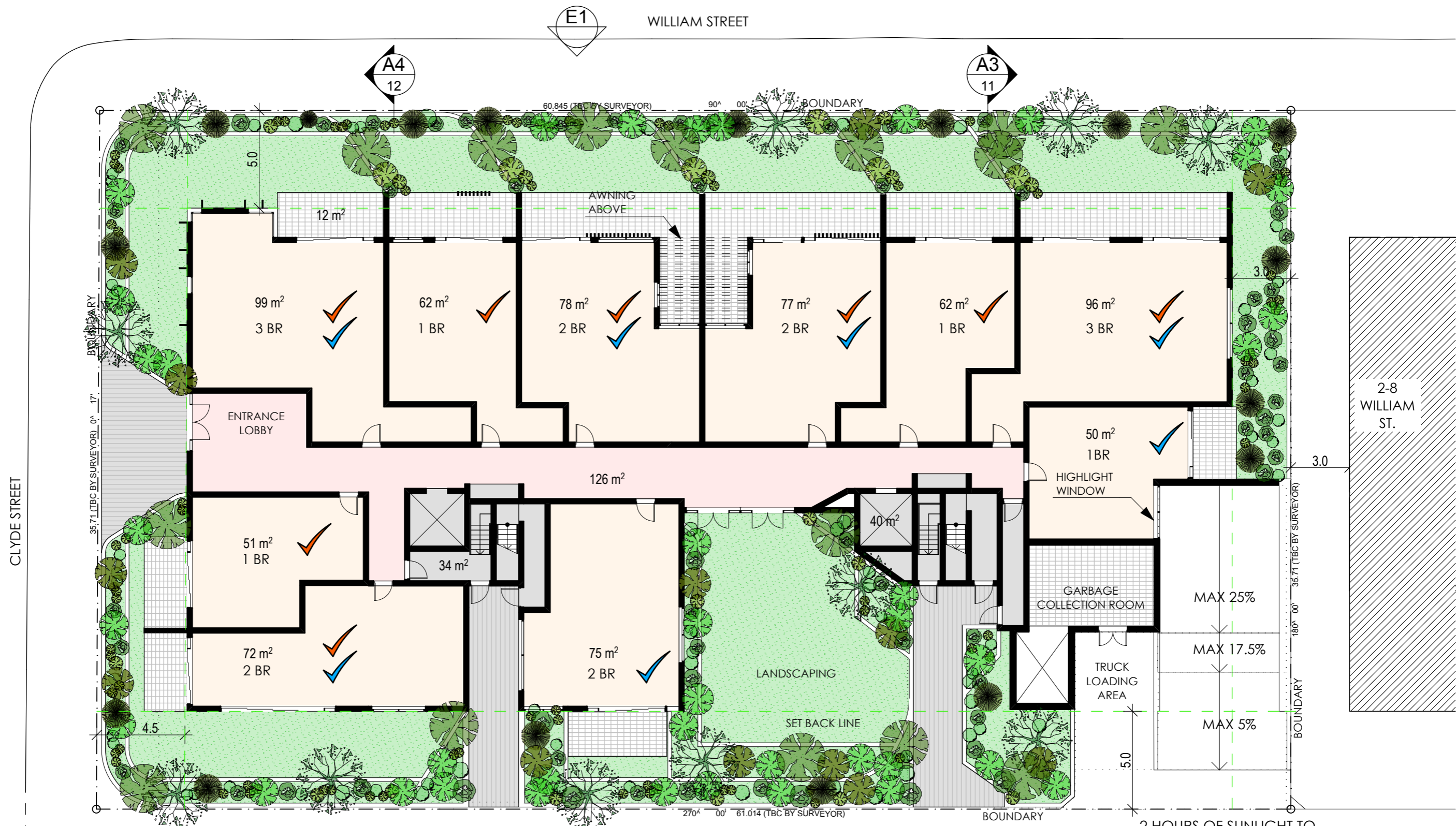
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10-22 WILLIAM STREET,
 GRANVILLE

DRAWING TITLE:
ELEVATIONS

NORTH POINT:

DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT No:	P343.1
SCALE:	1:200 @ A3
A	PP
disc	stage
04	G
dwg no.	revision



CLYDE STREET

WILLIAM STREET

GROUND FLOOR

LANE

FLOOR	COMPLIANT MIN 2 HRS SUNLIGHT TO LIVING SPACES	CROSS VENTILATION COMPLIANT
LEVEL G/F	8/10	7/10

- 2 HOURS OF SUNLIGHT TO LIVING SPACES IN MID-WINTER ACHIEVED
- NATURALLY CROSS VENTILATED

1

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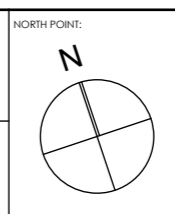
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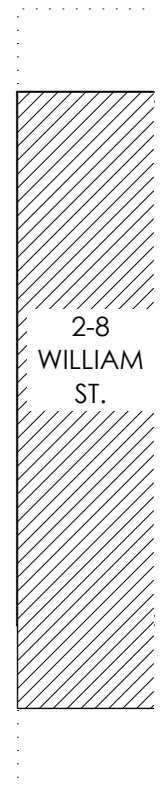
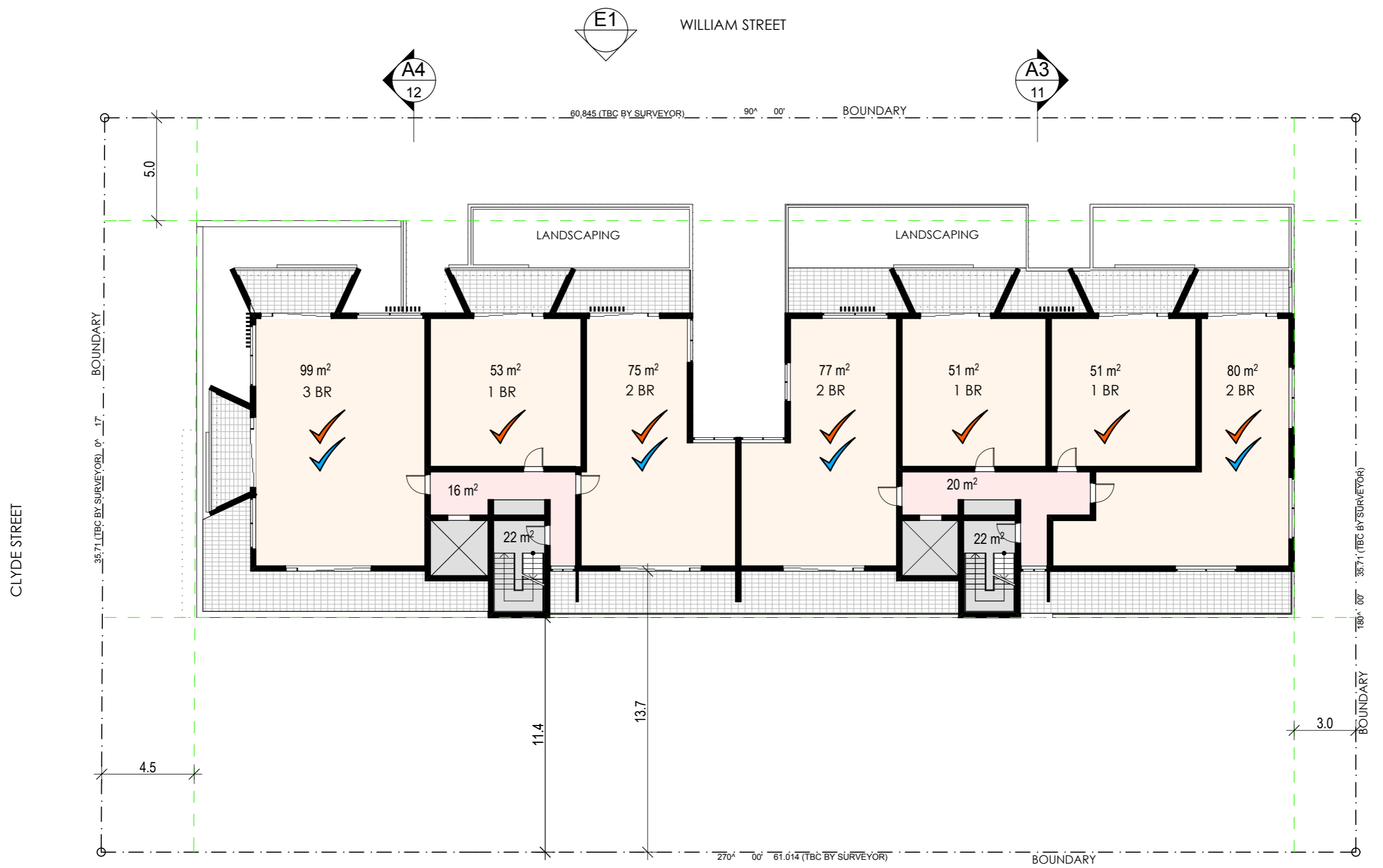
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10-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
GROUND FLOOR



DATE:	FEB 2015
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SCALE:	1:200 @ A3
A	PP
disc	stage
05	G
dwg no.	revision



1

LEVEL 4

FLOOR	COMPLIANT MIN 2 HRS SUNLIGHT TO LIVING SPACES	CROSS VENTILATION COMPLIANT
LEVEL 4/F	7/7	4/7

- 2 HOURS OF SUNLIGHT TO LIVING SPACES IN MID-WINTER ACHIEVED
- NATURALLY CROSS VENTILATED

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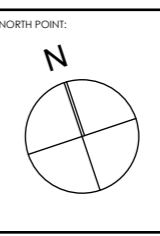
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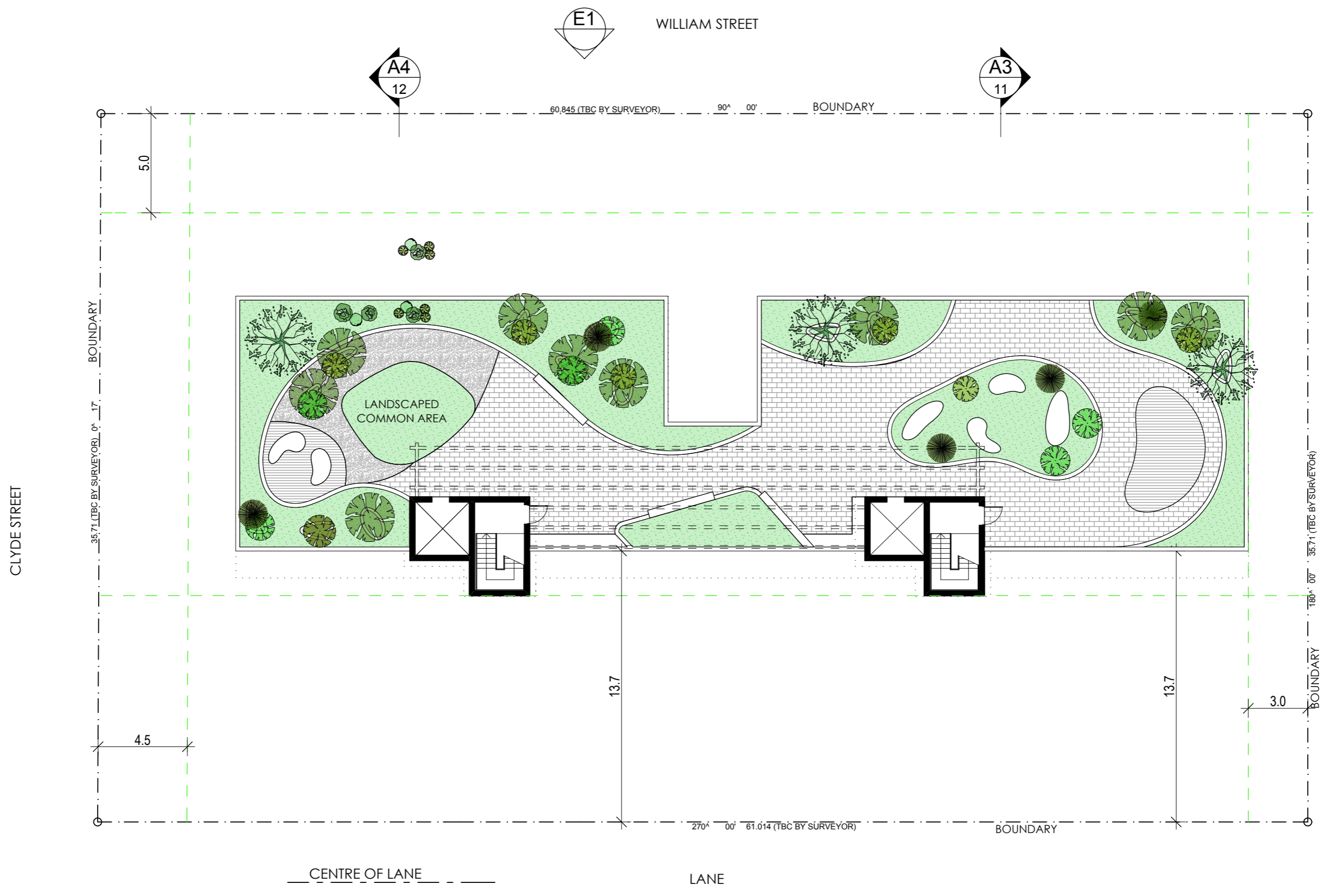
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10-22 WILLIAM STREET,
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DRAWING TITLE:
LEVEL 4 FLOOR PLAN



DATE:	FEB 2015
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PROJECT NO:	P343.1
SCALE:	1:200 @ A3
A	PP
disc	stage
08	G
dwg no.	revision



1

ROOF LEVEL

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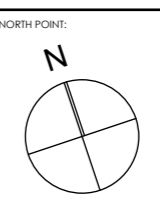
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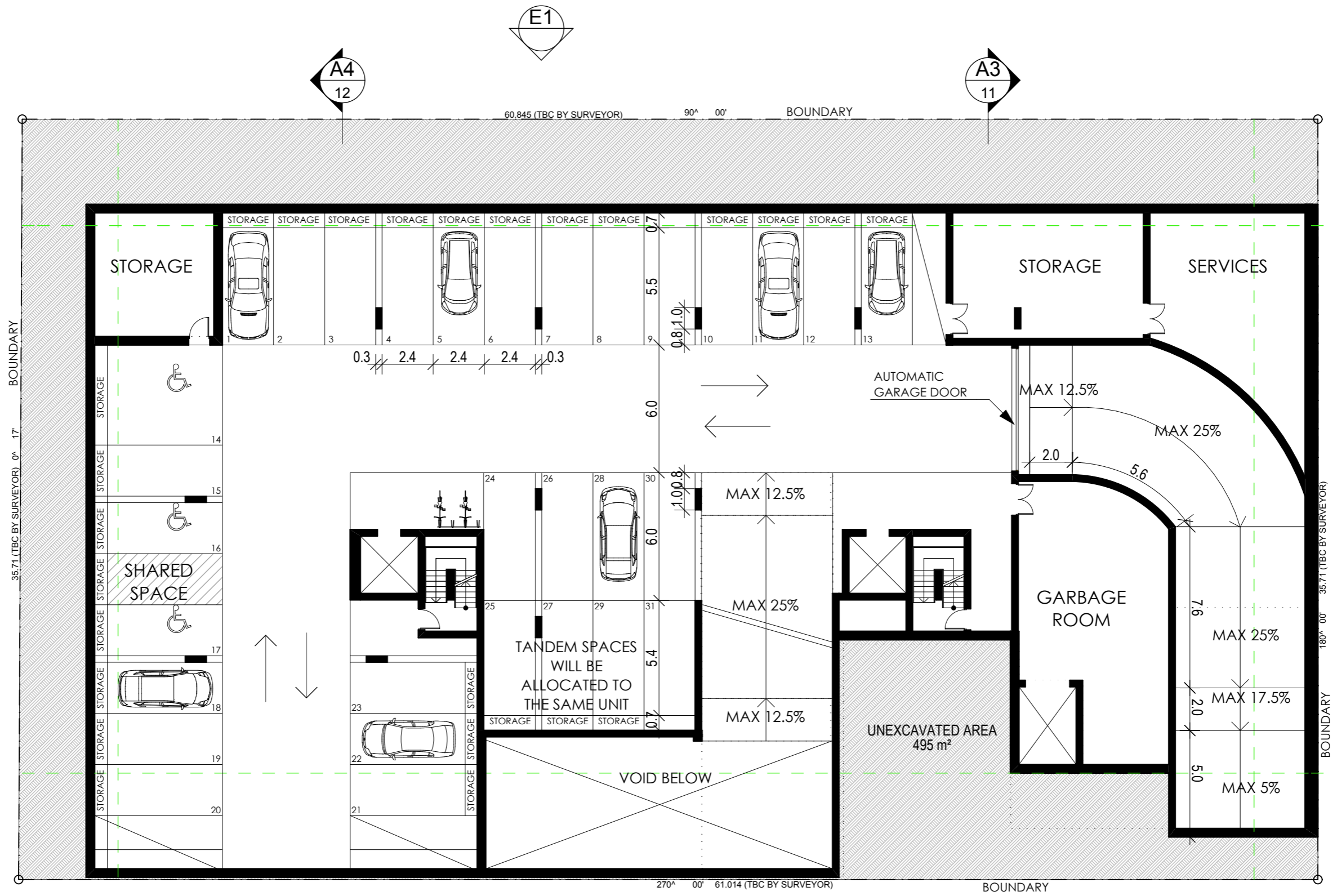
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 SID ARIDA

10-22 WILLIAM STREET,
 GRANVILLE

DRAWING TITLE:
 LEVEL 5 ROOF PLAN



DATE:	FEB 2015		
DRAWN BY:	AB		
CHECKED BY:	PI		
PROJECT No:	P343.1		
SCALE:	1:200 @ A3		
A	PP	09	G
disc	stage	dwg no.	revision



1 BASEMENT -1

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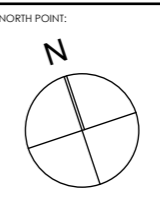
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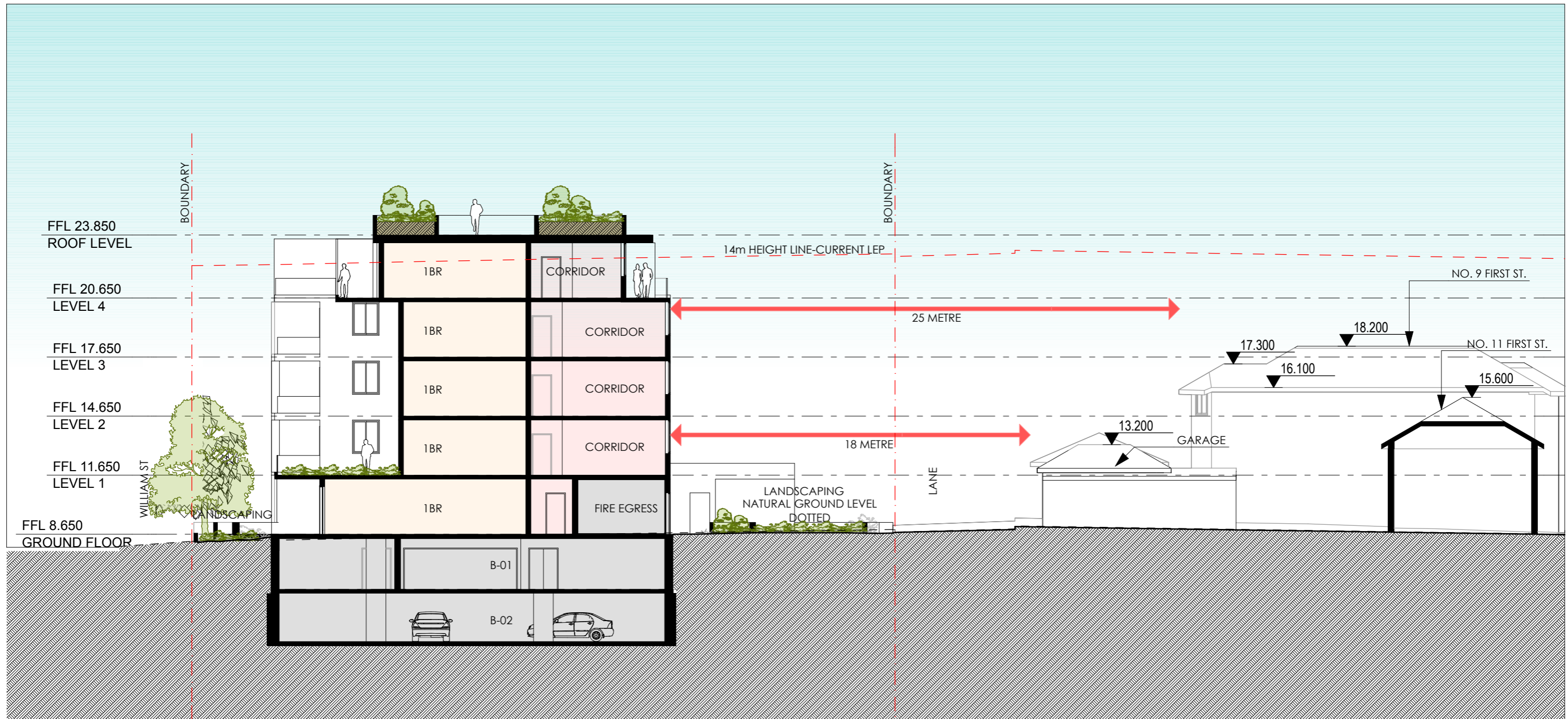
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10-22 WILLIAM STREET,
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DRAWING TITLE:
 BASEMENT -1 PLAN



DATE:	FEB 2015		
DRAWN BY:	AB		
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SCALE:	1:200 @ A3		
A	PP	10	G
disc	stage	dwg no.	revision



A3 SECTION

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B C D E F G	PLANNING PROPOSAL	AB	02/9/15
	SENT TO CONSULTANTS	AB	19/10/15
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	ISSUED FOR COUNCIL MEETING	AB	27/05/16
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	RE-ISSUE TO COUNCIL	AB	26/09/16

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE



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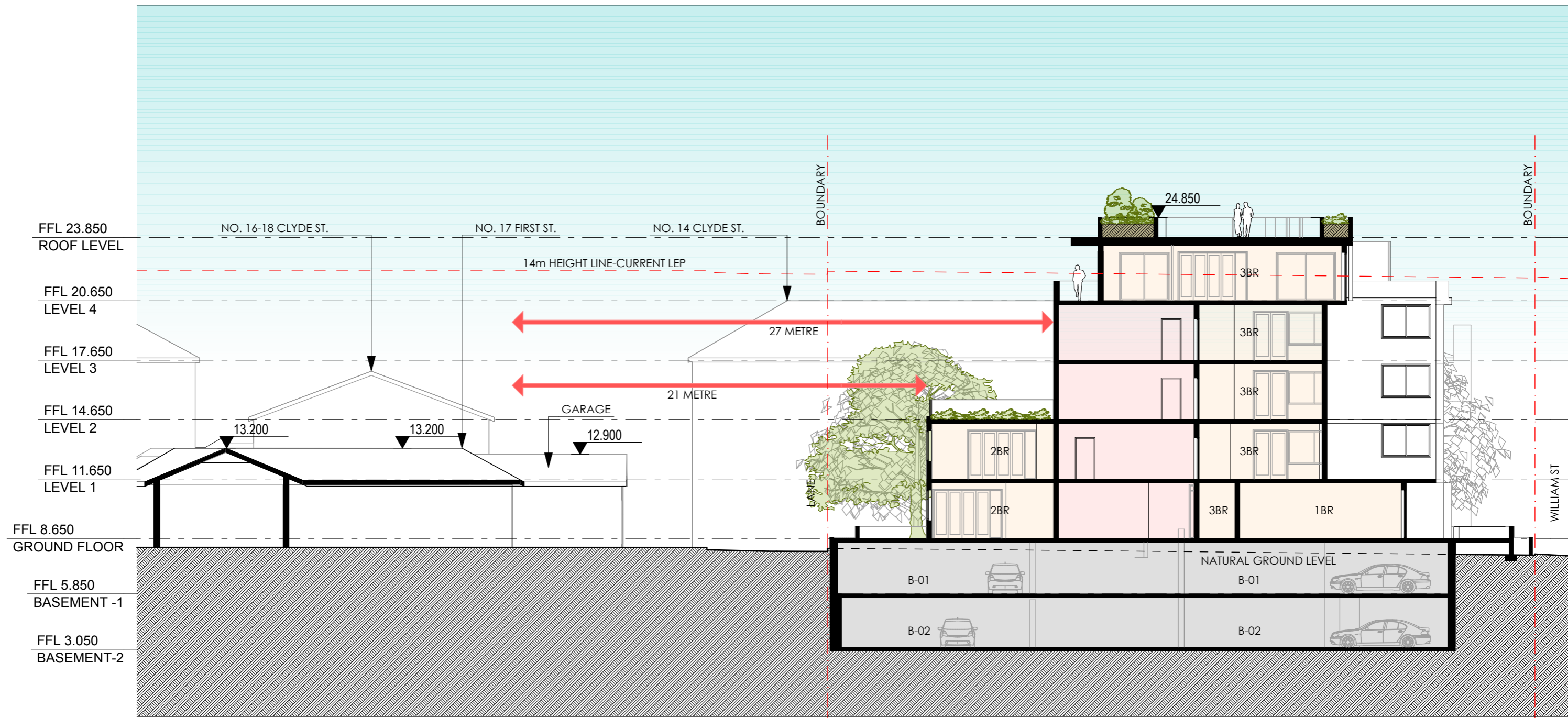
10-22 WILLIAM STREET,
 GRANVILLE

DRAWING TITLE:
 SECTION A3

NORTH POINT:

DATE:	FEB 2015								
DRAWN BY:	AB								
CHECKED BY:	PI								
PROJECT No:	P343.1								
SCALE:	1:200 @ A3								
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A	PP	11	G						
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A4 SECTION

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE



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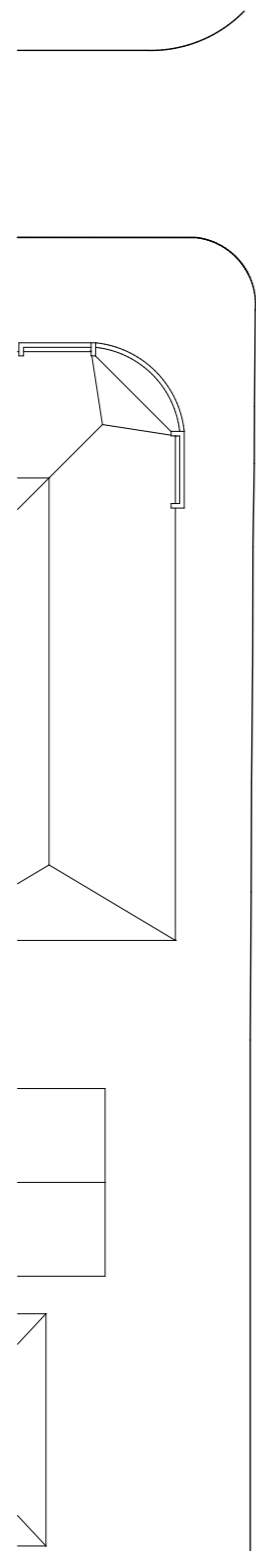
10-22 WILLIAM STREET,
 GRANVILLE

DRAWING TITLE:
SECTION A4

NORTH POINT:

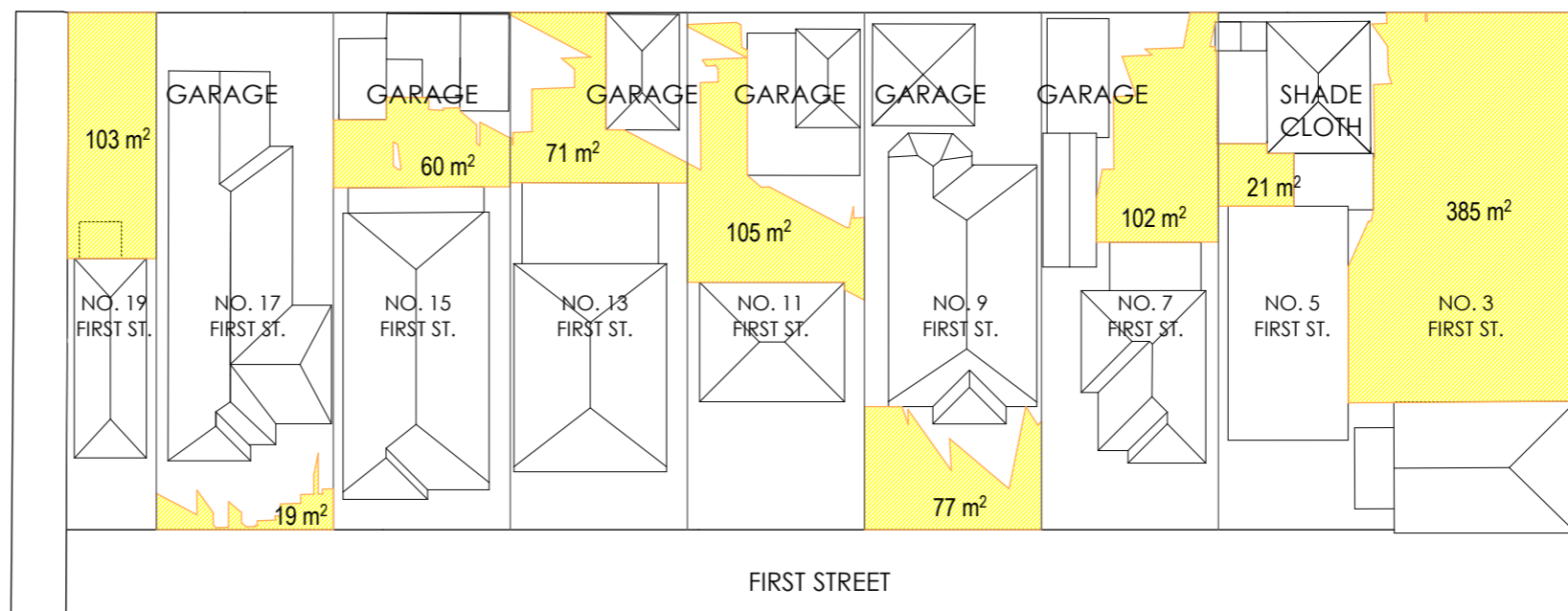
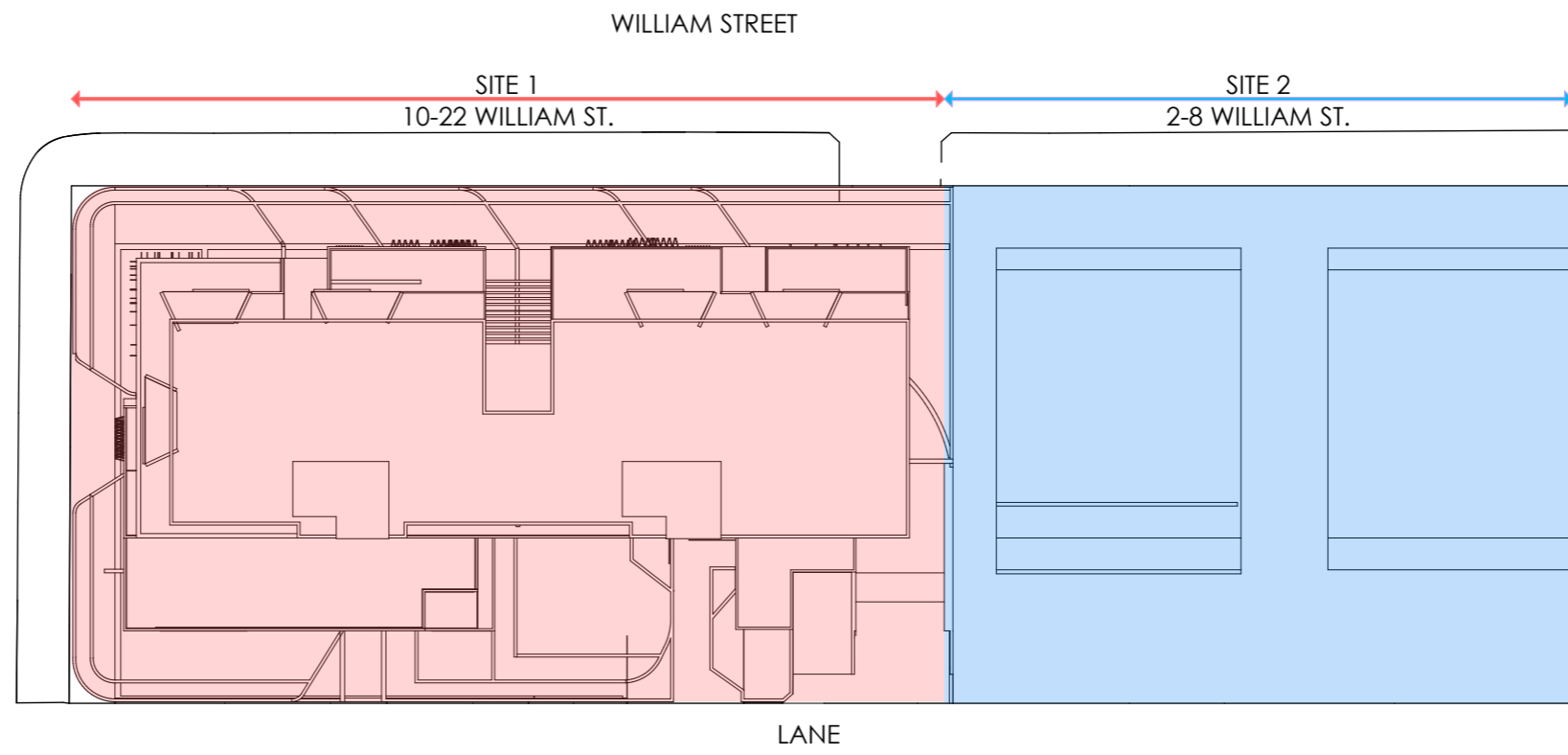
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CHECKED BY:	PI
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A	PP
disc	stage
12	G
dwg no.	revision

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



✓ SUMMARY
THESE SHADOW DIAGRAMS VERIFY THAT PRIVATE OPEN SPACES IN ALL* ADJACENT PROPERTIES TO THE SOUTH GET MORE THEN 50 % COVERAGE BY SUNLIGHT BETWEEN 9AM AND 3 PM IN MID WINTER

1 SUMMARY



HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM-15 PM	103 SQM/103 SQM	19 SQM/66 SQM	60 SQM/67 SQM	71 SQM/98 SQM	105 SQM/131 SQM	77 SQM/98 SQM	102 SQM/126 SQM	21 SQM/21 SQM	385 SQM/394 SQM
SUNLIGHT COVERAGE OF PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA	100% ✓	28% ●	89% ✓	72% ✓	80% ✓	78% ✓	80% ✓	100% ✓	97% ✓

* PROPERTY ON 17 FIRST ST. DOES NOT GET THE MINIMUM AMOUNT OF SUNLIGHT REQUIRED BY PARRAMATTA DCP 2011 DUE TO IT'S OWN BUILDING ENVELOPE OVER SHADOWING IT'S WINDOWS AND PRIVATE OPEN SPACE FROM 9 AM TO 3 PM

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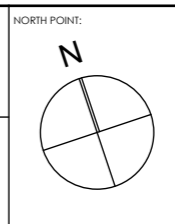
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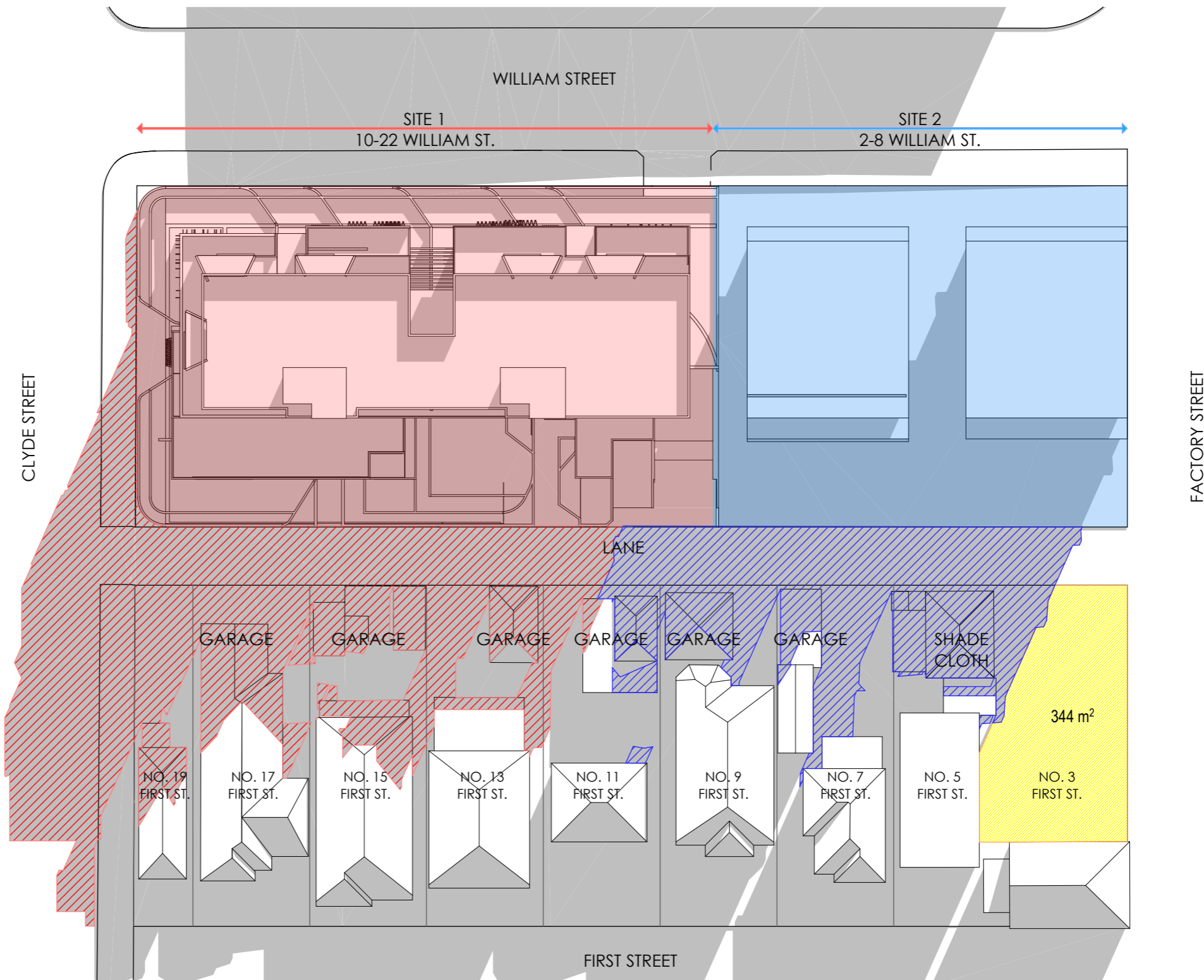
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DRAWING TITLE:
SUN STUDY - SUMMARY



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- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



1 9 AM-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

NOTE
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B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15
C	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	19/10/15
D	RE-ISSUE TO COUNCIL	AB	22/10/15
E	RE-ISSUE TO COUNCIL	AB	27/05/16
F		AB	2/09/16
G		AB	26/09/16

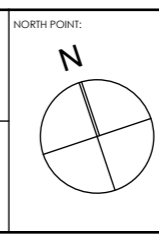
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CLIENT:
SID ARIDA

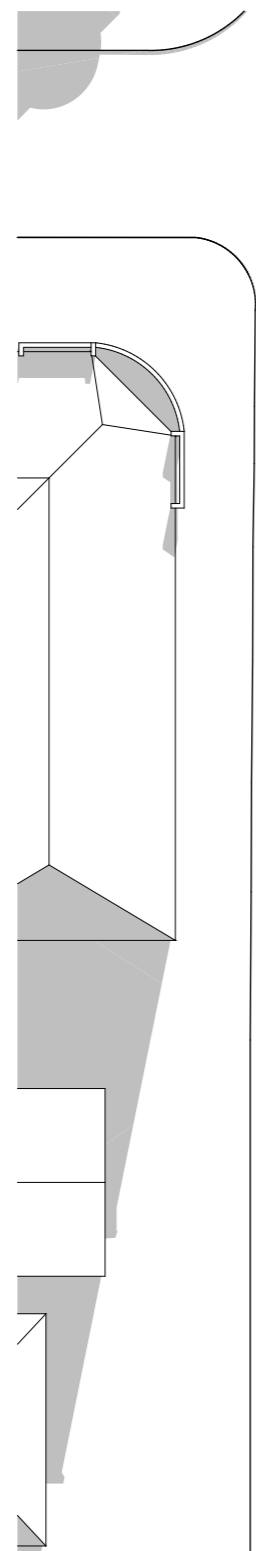
2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY PRIVATE OPEN SPACE 21 JUN-9 AM

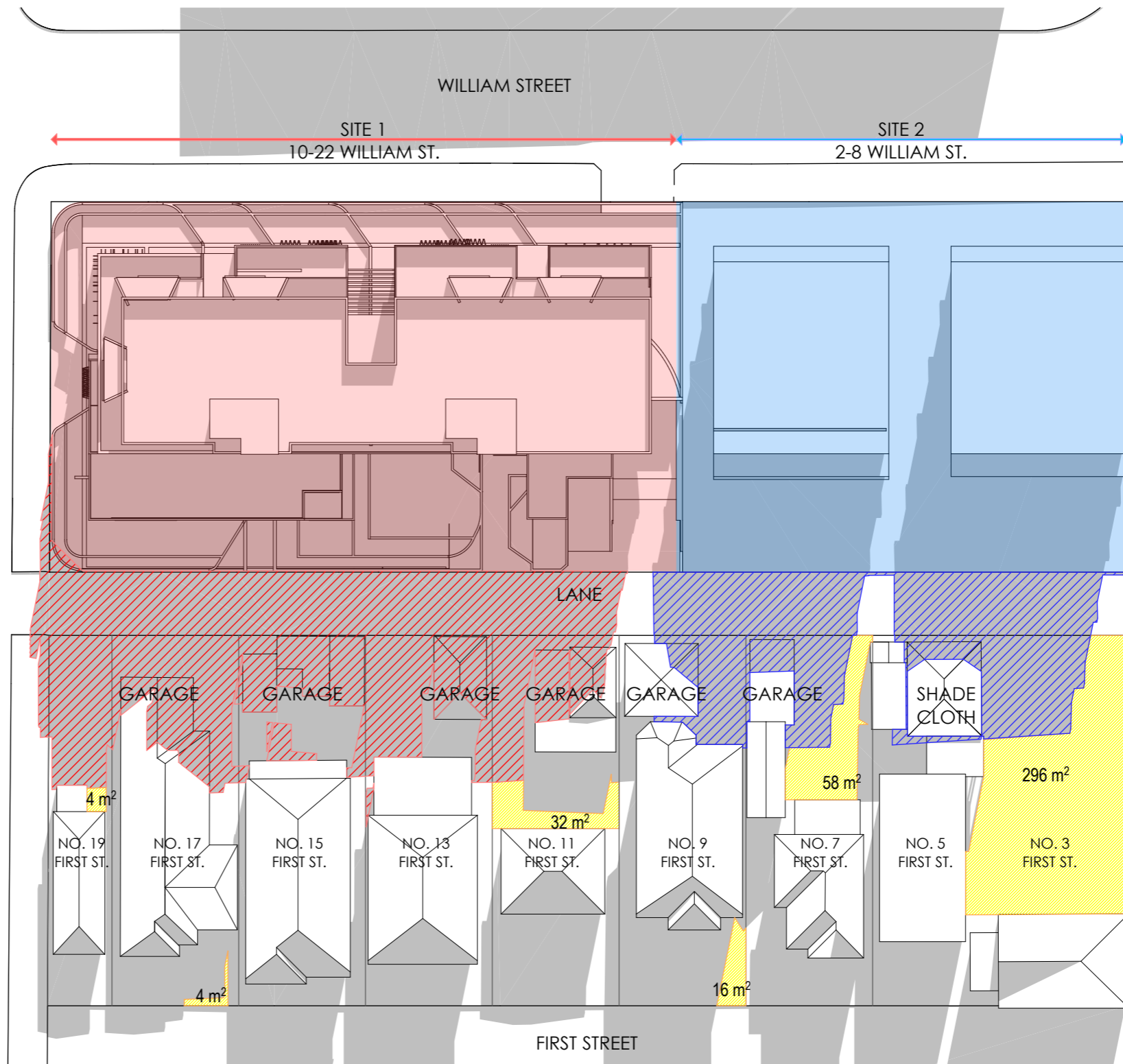


DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT NO:	P343.1
SCALE:	1:500 @ A3
A	PP
disc	stage
14	G
dwg no.	revision

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



CLYDE STREET



FACTORY STREET

1 10 AM-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

NOTE
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 2. Figured dimensions to be taken in preference to scaled dwgs.
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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING RE-ISSUE TO COUNCIL RE-ISSUE TO COUNCIL	AB	02/9/15				
C		AB	19/10/15				
D		AB	22/10/15				
E		AB	27/05/16				
F		AB	2/09/16				
G		AB	26/09/16				

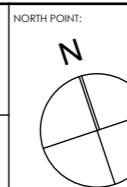
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CLIENT:
SID ARIDA

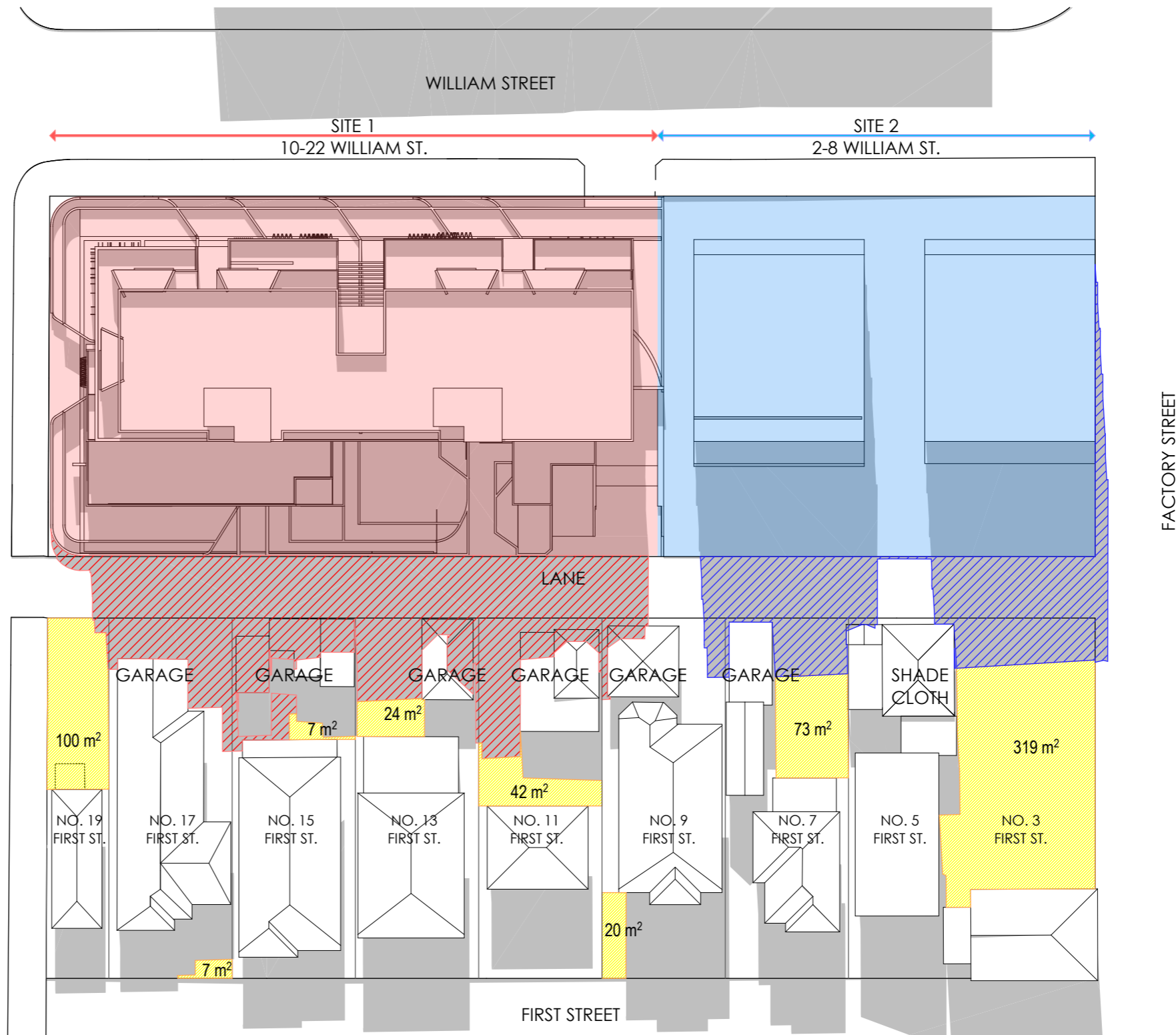
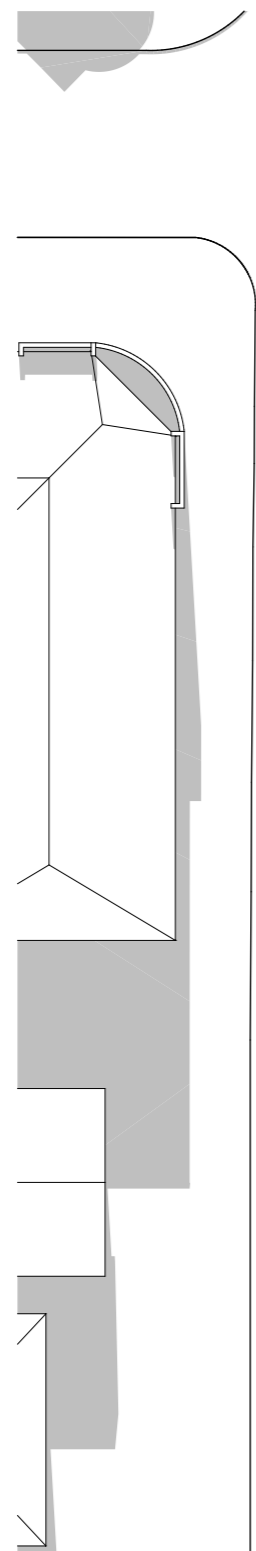
2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY PRIVATE OPEN SPACE 21 JUN-10AM



DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT NO:	P343.1
SCALE:	1:500 @ A3
A PP 15 G	
disc stage dwg no. revision	

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



1 11 AM-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

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B	PLANNING PROPOSAL	AB	02/9/15
C	SENT TO CONSULTANTS	AB	19/10/15
D	PLANNING PROPOSAL	AB	22/10/15
E	ISSUED FOR COUNCIL MEETING	AB	27/05/16
F	RE-ISSUE TO COUNCIL	AB	2/09/16
G	RE-ISSUE TO COUNCIL	AB	26/09/16

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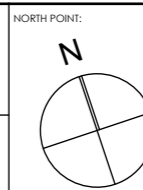
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CLIENT:
SID ARIDA

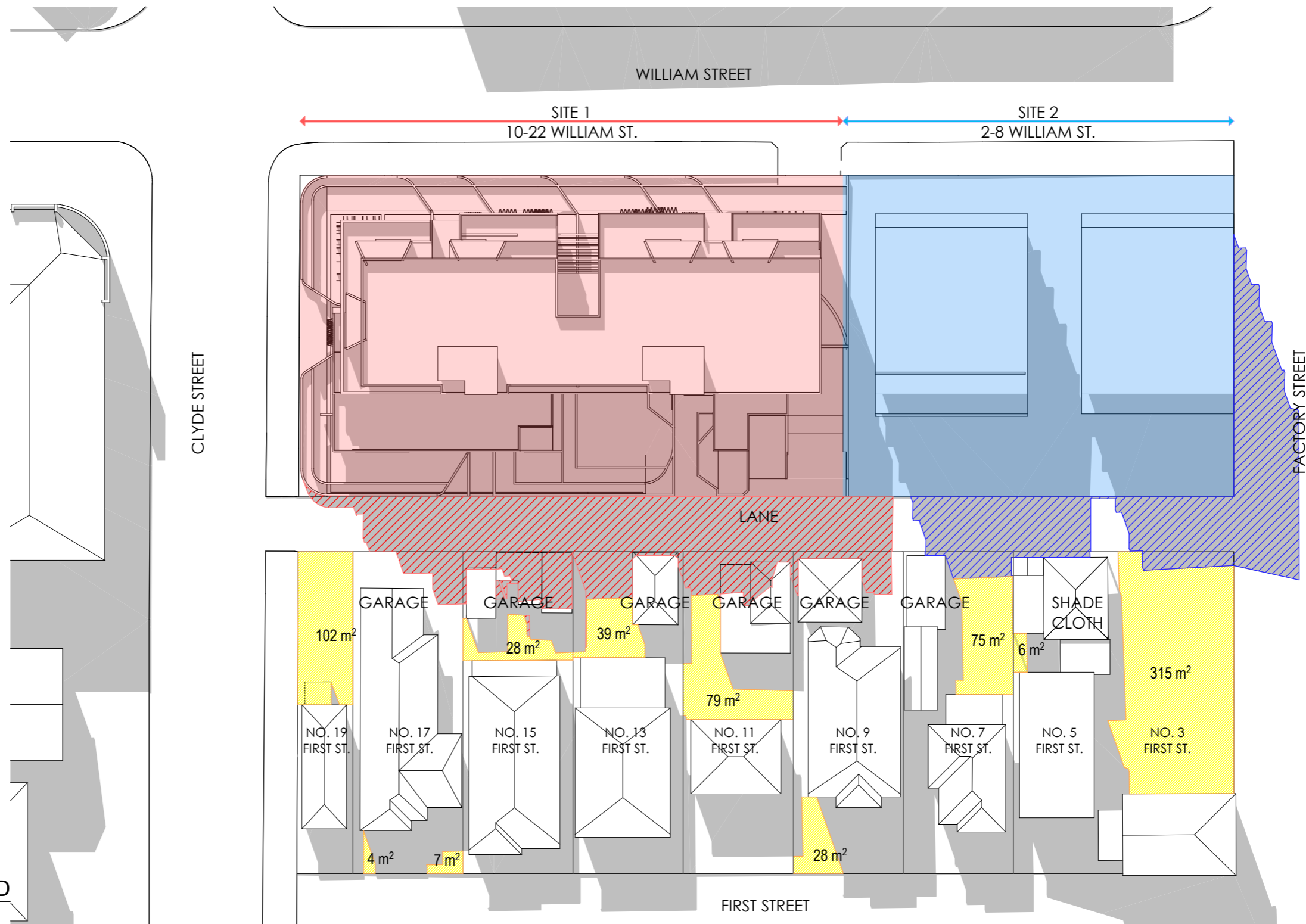
**2-22 WILLIAM STREET,
GRANVILLE**

DRAWING TITLE:
**SUN STUDY PRIVATE OPEN
SPACE 21 JUN -11AM**



DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT NO:	P343.1
SCALE:	1:500 @ A3
A	PP
disc	stage
16	G
dwg no.	revision

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



1 MIDDAY-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

NOTE
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PLANNING PROPOSAL SENT TO CONSULTANTS
 PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING
 RE-ISSUE TO COUNCIL
 RE-ISSUE TO COUNCIL

AB 02/9/15
 AB 19/10/15
 AB 22/10/15
 AB 27/05/16
 AB 2/09/16
 AB 26/09/16

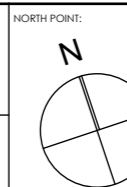


Project Tourism International Architecture Pty Ltd
 Level 10, 265 Clarence Street Sydney NSW 2000
 Tel: +61 2 9281 9900 www.pti.com.au PTI is a registered
 Incorporated Registered Architect. Patent Trade Mark No. 3044

CLIENT:
 SID ARIDA

2-22 WILLIAM STREET,
 GRANVILLE

DRAWING TITLE:
 SUN STUDY PRIVATE OPEN SPACE 21 JUN-MIDDAY









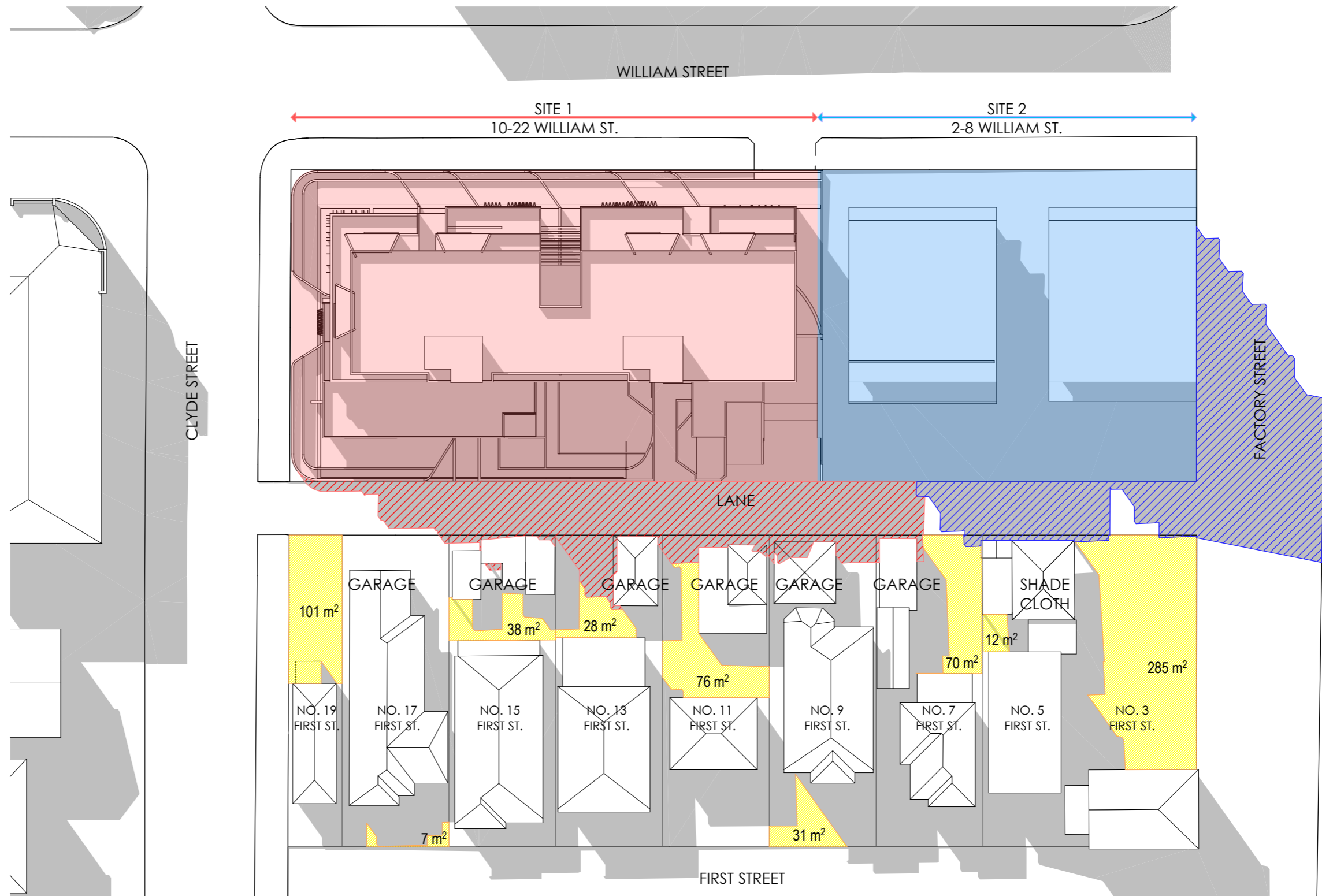
DATE: FEB 2015
 DRAWN BY: AB
 CHECKED BY: PI
 PROJECT No: P343.1 SCALE: 1:500 @ A3
 A PP 17 G
 disc stage dwg no. revision

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REV DESCRIPTION BY DATE

REV DESCRIPTION BY DATE

-  SUBJECT SITE AREA
10-22 WILLIAM ST.
-  SITE 2: 2-8 WILLIAM ST.
-  ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
-  ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
-  SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
-  SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



1 1 PM-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

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B	PLANNING PROPOSAL	AB	02/9/15
C	SENT TO CONSULTANTS	AB	19/10/15
D	PLANNING PROPOSAL	AB	22/10/15
E	ISSUED FOR COUNCIL MEETING	AB	27/05/16
F	RE-ISSUE TO COUNCIL	AB	2/09/16
G	RE-ISSUE TO COUNCIL	AB	26/09/16

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
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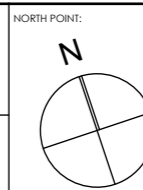


Project Tourism International Architecture Pty Ltd
 Level: 10, 26.5 Clarence Street Sydney NSW 2000
 T +61 2 9281 9900 www.pti.com.au PBN 90 050 071 022
 Incorporated Registered Architects' Patent Trade Mark No. 3044

CLIENT:
SID ARIDA

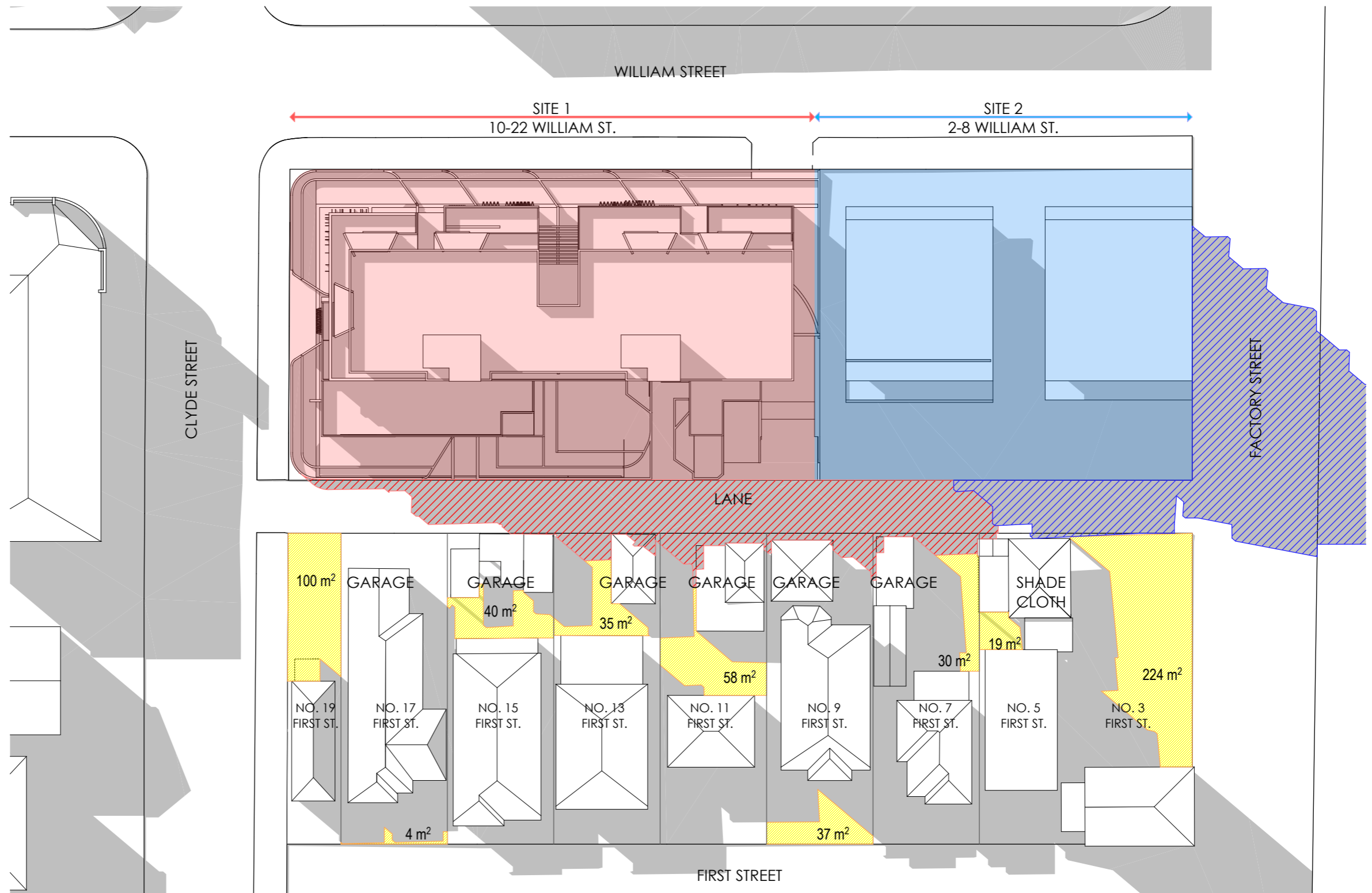
2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY PRIVATE OPEN SPACE 21 JUN-1PM



DATE:	FEB 2015		
DRAWN BY:	AB		
CHECKED BY:	PI		
PROJECT No:	P343.1		
SCALE:	1:500 @ A3		
A	PP	18	G
disc	stage	dwg no.	revision

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



1 2 PM-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

NOTE
 1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
 2. Figured dimensions to be taken in preference to scaled dwgs.
 3. This drawing is to be read in conjunction with the specification and engineers drawings.

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15				
C		AB	19/10/15				
D	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	22/10/15				
E		AB	27/05/16				
F	RE-ISSUE TO COUNCIL	AB	2/09/16				
G	RE-ISSUE TO COUNCIL	AB	26/09/16				

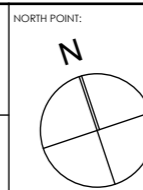
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CLIENT:
SID ARIDA

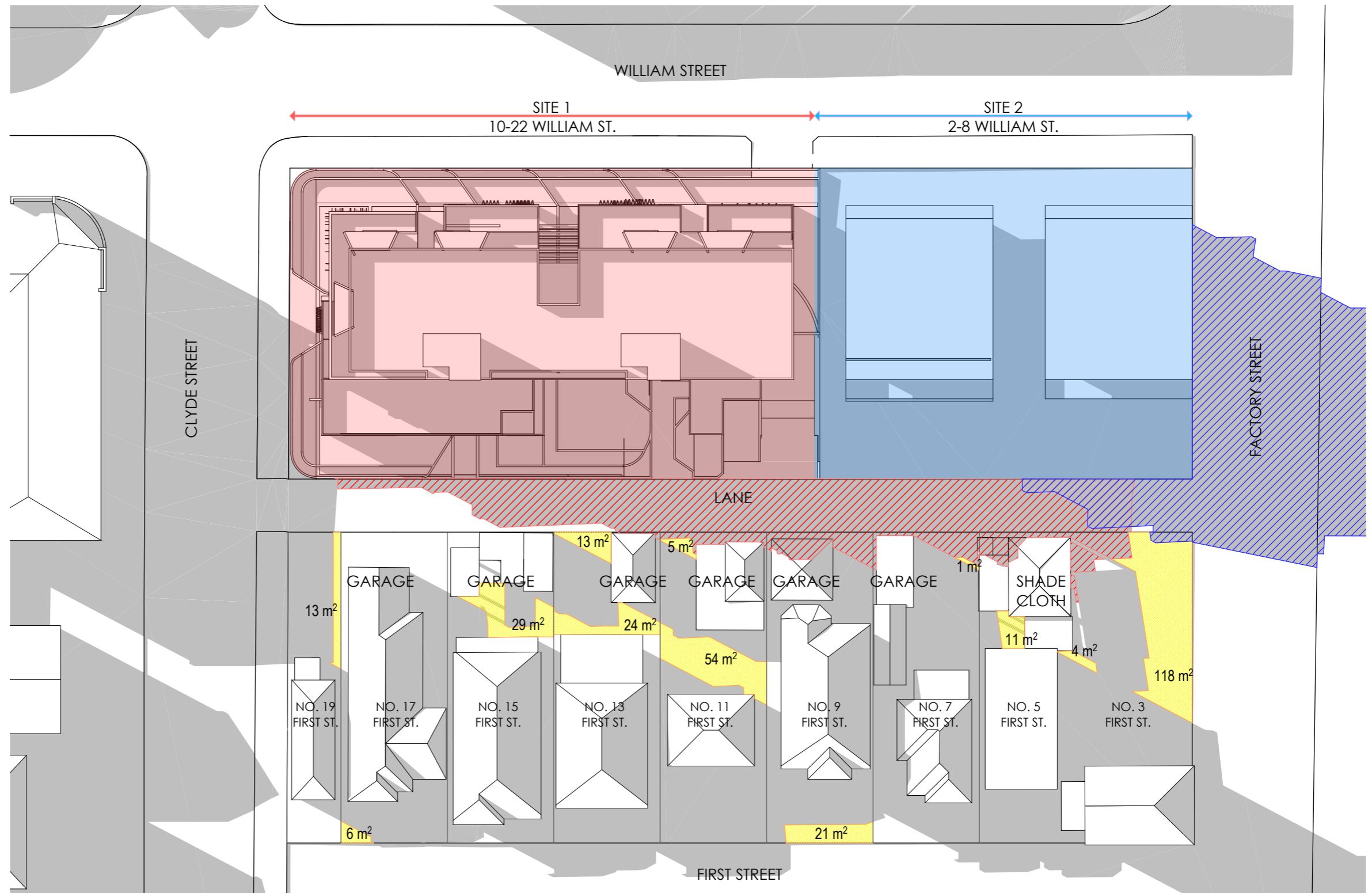
2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY PRIVATE OPEN SPACE 21 JUN-2PM



DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT NO:	P343.1
SCALE:	1:500 @ A3
A PP 19 G	
disc stage dwg no. revision	

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE
- SUN LIGHT ACCESS TO PRIVATE OPEN AREAS (SQM)



1 3 PM-PROPOSED

TABLE SHOWING SUN LIGHT COVERAGE TO PRIVATE OPEN SPACES IN RELATION TO PRIVATE OPEN SPACES AREA

HOURS/PROPERTY	NO. 19 FIRST ST. PRIVATE OPEN SPACE AREA: 103 SQM	NO. 17 FIRST ST. PRIVATE OPEN SPACE AREA: 66 SQM	NO. 15 FIRST ST. PRIVATE OPEN SPACE AREA: 67 SQM	NO. 13 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 11 FIRST ST. PRIVATE OPEN SPACE AREA: 131 SQM	NO. 9 FIRST ST. PRIVATE OPEN SPACE AREA: 98 SQM	NO. 7 FIRST ST. PRIVATE OPEN SPACE AREA: 126 SQM	NO. 5 FIRST ST. PRIVATE OPEN SPACE AREA: 21 SQM	NO. 3 FIRST ST. PRIVATE OPEN SPACE AREA: 394 SQM
9 AM	-	-	-	-	-	-	-	-	344 SQM/394 SQM
10 AM	4 SQM/103 SQM	4 SQM/66 SQM	-	-	32 SQM/131 SQM	16 SQM/98 SQM	-	-	296 SQM/394 SQM
11 AM	100 SQM/103 SQM	7 SQM/66 SQM	10 SQM/67 SQM	33 SQM/98 SQM	42 SQM/131 SQM	20 SQM/98 SQM	28 SQM/126 SQM	-	319 SQM/394 SQM
MIDDAY	102 SQM/103 SQM	11 SQM/66 SQM	28 SQM/67 SQM	39 SQM/98 SQM	79 SQM/131 SQM	28 SQM/98 SQM	75 SQM/126 SQM	6 SQM/21 SQM	315 SQM/394 SQM
1 PM	101 SQM/103 SQM	7 SQM/66 SQM	40 SQM/67 SQM	28 SQM/98 SQM	96 SQM/131 SQM	31 SQM/98 SQM	70 SQM/126 SQM	12 SQM/21 SQM	285 SQM/394 SQM
2 PM	100 SQM/103 SQM	4 SQM/66 SQM	44 SQM/67 SQM	35 SQM/98 SQM	58 SQM/131 SQM	37 SQM/98 SQM	30 SQM/126 SQM	19 SQM/21 SQM	224 SQM/394 SQM
3 PM	13 SQM/103 SQM	6 SQM/66 SQM	29 SQM/67 SQM	37 SQM/98 SQM	59 SQM/131 SQM	21 SQM/98 SQM	1 SQM/126 SQM	11 SQM/21 SQM	118 SQM/394 SQM

NOTE
 1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
 2. Figured dimensions to be taken in preference to scaled dwgs.
 3. This drawing is to be read in conjunction with the specification and engineers drawings.

B	PLANNING PROPOSAL	AB	02/9/15
C	SENT TO CONSULTANTS	AB	19/10/15
D	PLANNING PROPOSAL	AB	22/10/15
E	ISSUED FOR COUNCIL MEETING	AB	27/05/16
F	RE-ISSUE TO COUNCIL	AB	2/09/16
G	RE-ISSUE TO COUNCIL	AB	26/09/16

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE

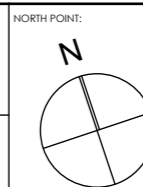


Project Tourism International Architecture Pty Ltd
 Level: 10, 265 Clarence Street Sydney NSW 2000
 T +61 2 9281 9800 www.pti.com.au PBN 90 050 071 022
 Incorporated Registered Architects' Patent Trade Mark No. 3044

CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY PRIVATE OPEN SPACE 21 JUN-3PM

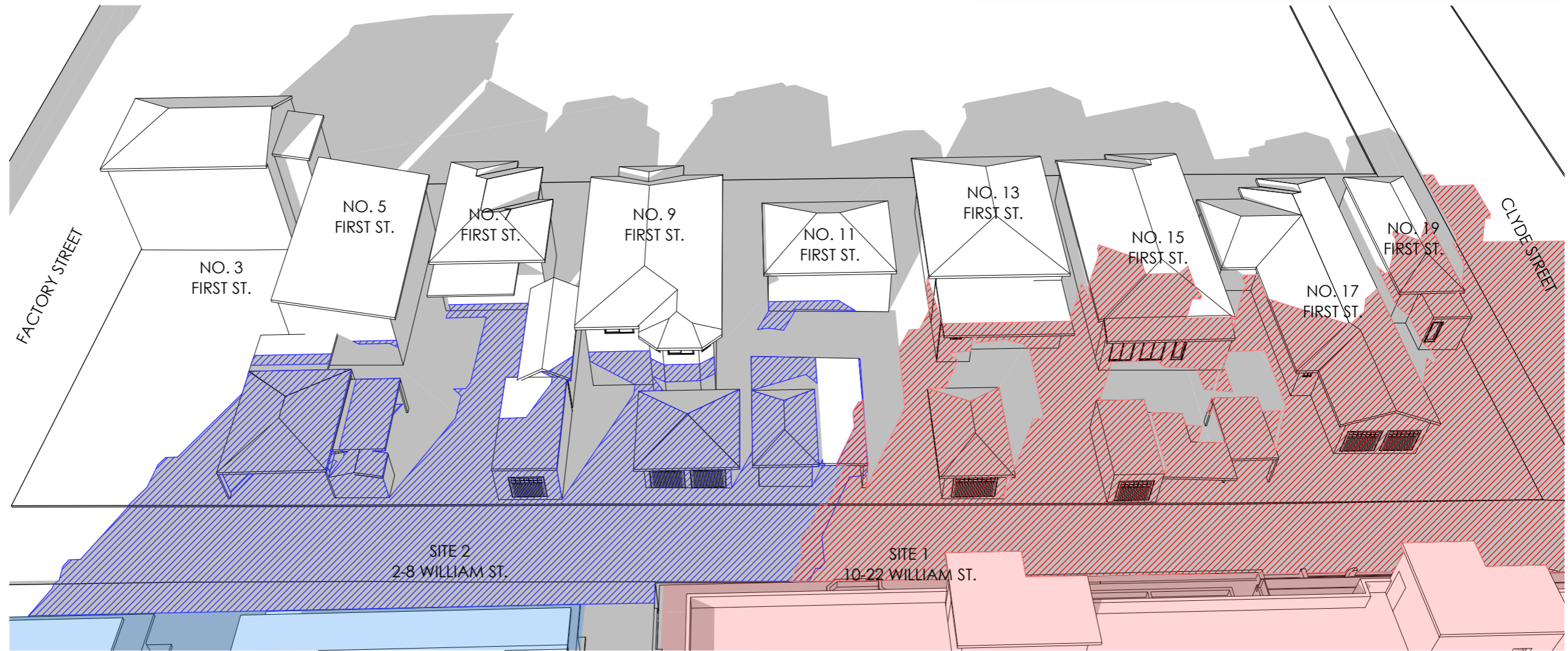


DATE:	FEB 2015		
DRAWN BY:	AB		
CHECKED BY:	PI		
PROJECT NO:	P343.1		
SCALE:	1:500 @ A3		
A	PP	20	G
disc	stage	dwg no.	revision

Sun Position to Project Location

Jun 21 9 hr 0 min Project Location...
 +1 hr Daylight Savings
 Sun Altitude: 18.91° Sun Azimuth: 88.00° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



1 9 AM-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

NOTE
 1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
 2. Figured dimensions to be taken in preference to scaled dwgs.
 3. This drawing is to be read in conjunction with the specification and engineers drawings.

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING RE-ISSUE TO COUNCIL RE-ISSUE TO COUNCIL	AB	02/9/15				
C		AB	19/10/15				
D		AB	22/10/15				
E		AB	27/05/16				
F		AB	2/09/16				
G		AB	26/09/16				

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CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY-INTERNAL LIVING SPACE 21 JUN-9AM

NORTH POINT:

DATE:	FEB 2015
DRAWN BY:	AB
CHECKED BY:	PI
PROJECT NO:	P343.1
SCALE:	@ A3
A PP 21 G disc stage dwg no. revision	

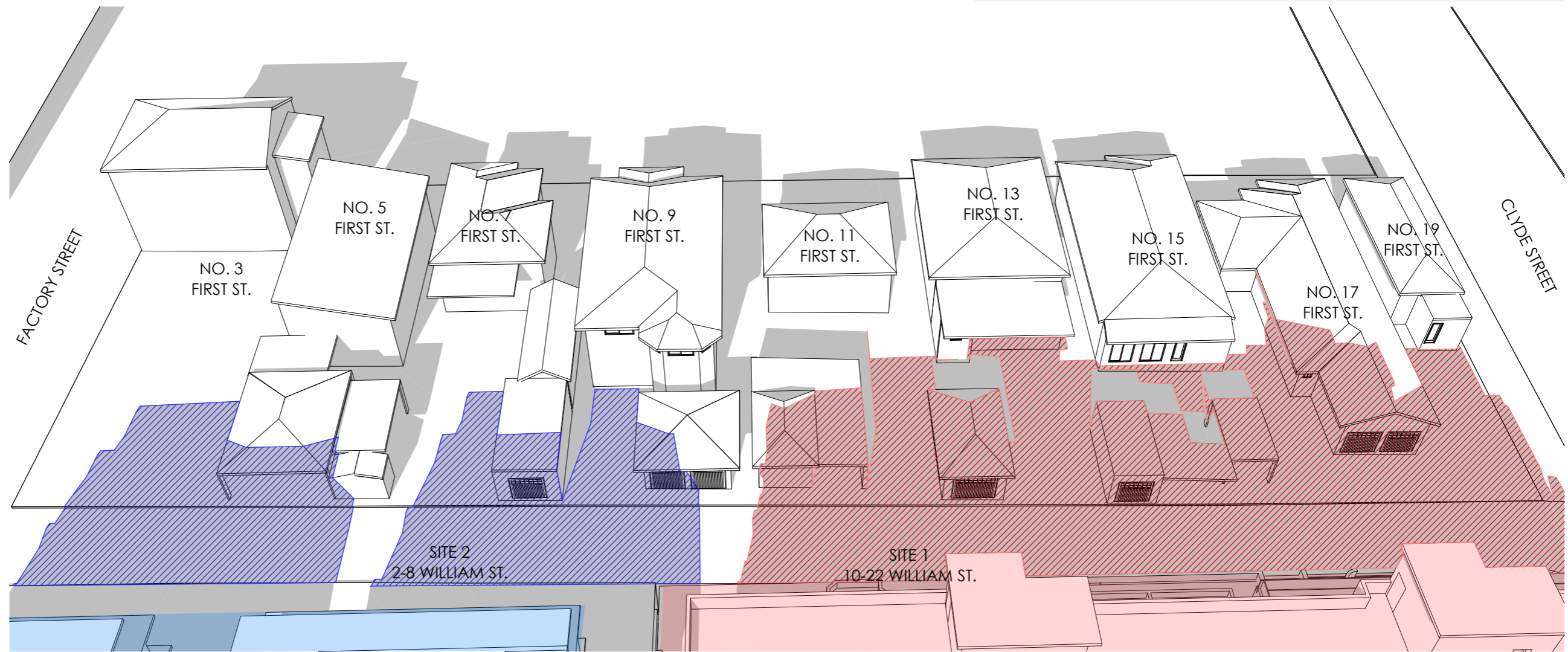
Sun Position to Project Location

Jun 21 10 hr 0 min

+1 hr Daylight Savings

Sun Altitude: 28.28° Sun Azimuth: 78.59° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



1 10 AM-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

Legend: + SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES ACHIEVED IN THIS TIMESPAN; - SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES NOT ACHIEVED IN THIS TIMESPAN

NOTE

- Contractors to verify all dimensions on site before any shop drawings or work is commenced.
- Figured dimensions to be taken in preference to scaled dwgs.
- This drawing is to be read in conjunction with the specification and engineers drawings.

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15				
C	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	19/10/15				
D	RE-ISSUE TO COUNCIL	AB	22/10/15				
E	RE-ISSUE TO COUNCIL	AB	27/05/16				
F		AB	2/09/16				
G		AB	26/09/16				



CLIENT: SID ARIDA

2-22 WILLIAM STREET, GRANVILLE

DRAWING TITLE: SUN STUDY-INTERNAL LIVING SPACE 21 JUN-10AM

NORTH POINT:	DATE: FEB 2015
	DRAWN BY: AB
	CHECKED BY: PI
	PROJECT NO: P343.1
	SCALE: @ A3
A	PP 22 G
disc	stage, dwg no., revision

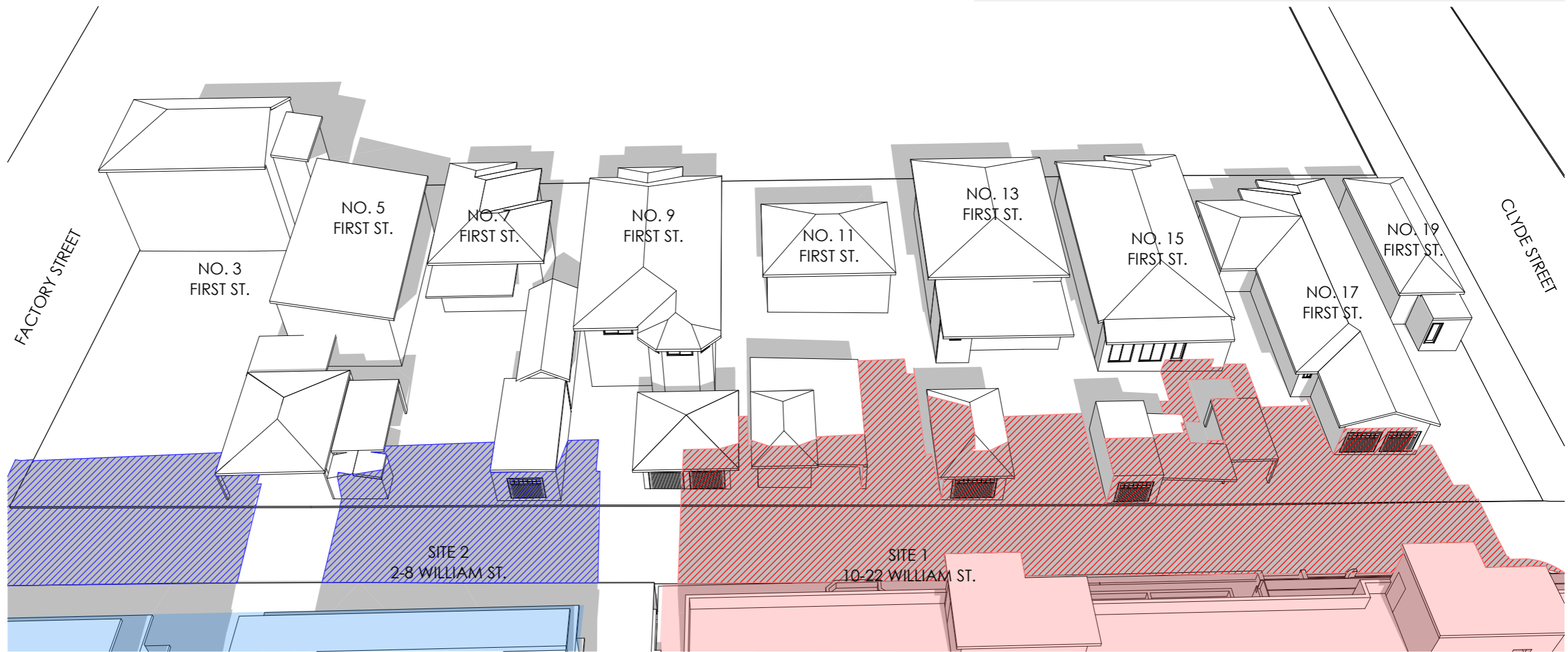
Sun Position to Project Location

Jun 21 11 hr 0 min Project Location...

+1 hr Daylight Savings

Sun Altitude: 31.07° Sun Azimuth: 93.29° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



1 11 AM-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

NOTE
 1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
 2. Figured dimensions to be taken in preference to scaled dwgs.
 3. This drawing is to be read in conjunction with the specification and engineers drawings.

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15				
C		AB	19/10/15				
D	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	22/10/15				
E	RE-ISSUE TO COUNCIL	AB	27/05/16				
F	RE-ISSUE TO COUNCIL	AB	2/09/16				
G	RE-ISSUE TO COUNCIL	AB	26/09/16				

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE



CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY-INTERNAL LIVING SPACE 21 JUN-11 AM

NORTH POINT:

DATE:	FEB 2015		
DRAWN BY:	AB		
CHECKED BY:	PI		
PROJECT NO:	P343.1		
SCALE:	@ A3		
A	PP	23	G
disc	stage	dwg no.	revision

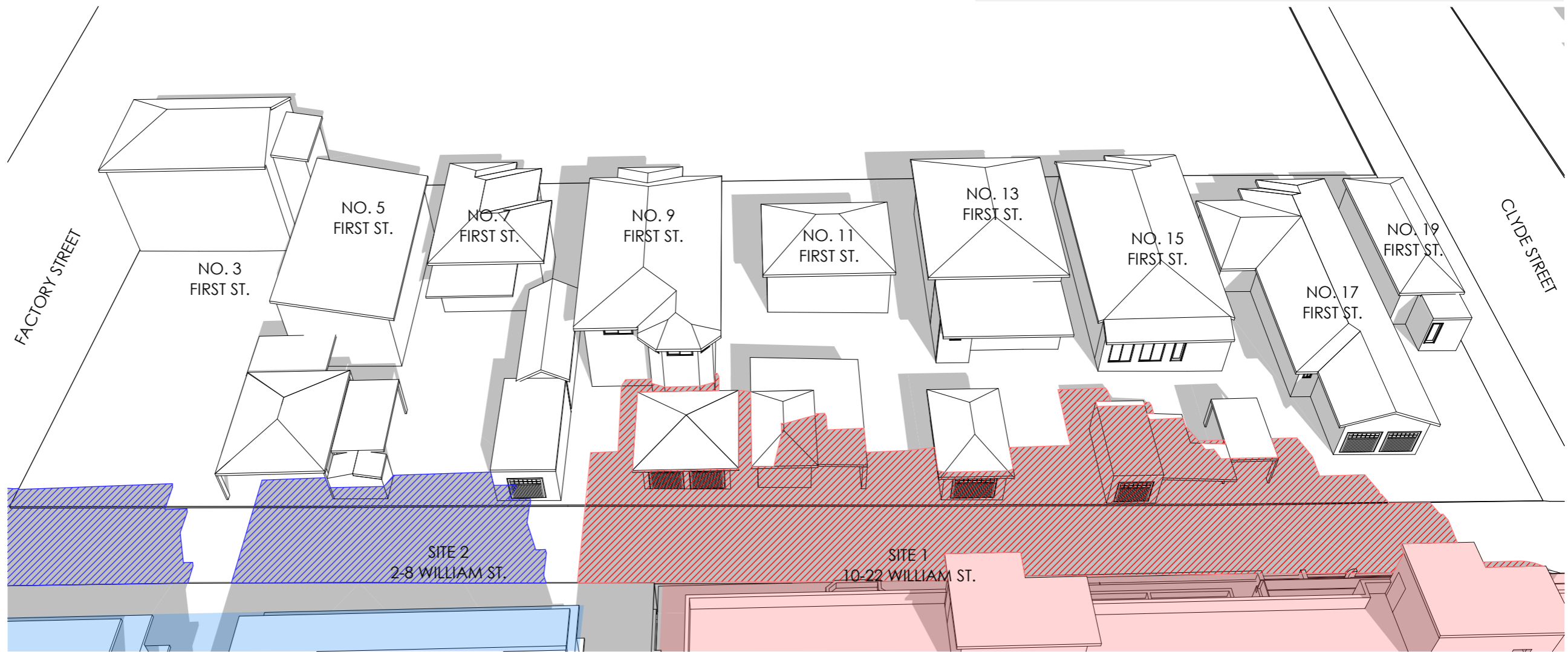
Sun Position to Project Location

Jun 21 12 hr 0 min Project Location...

+1 hr Daylight Savings

Sun Altitude: 32.83° Sun Azimuth: 109.39° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



1 MIDDAY-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

+ SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES ACHIEVED IN THIS TIMESPAN

- SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES NOT ACHIEVED IN THIS TIMESPAN

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

NOTE
 1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
 2. Figured dimensions to be taken in preference to scaled dwgs.
 3. This drawing is to be read in conjunction with the specification and engineers drawings.

REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15
C	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	19/10/15
D	RE-ISSUE TO COUNCIL	AB	22/10/15
E	RE-ISSUE TO COUNCIL	AB	27/05/16
F	RE-ISSUE TO COUNCIL	AB	2/09/16
G	RE-ISSUE TO COUNCIL	AB	26/09/16

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REV	DESCRIPTION	BY	DATE



CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY-INTERNAL LIVING SPACE 21 JUN-MIDDAY

NORTH POINT:

DATE: FEB 2015
 DRAWN BY: AB
 CHECKED BY: PI
 PROJECT No: P343.1 SCALE: @ A3

A PP 24 G
 disc stage dwg no. revision

Sun Position to Project Location

Jun 21 13 hr 0 min Project Location...

+1 hr Daylight Savings

Sun Altitude: 30.89° Sun Azimuth: 125.40° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



1 1 PM-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

+ SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES ACHIEVED IN THIS TIMESPAN
- SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES NOT ACHIEVED IN THIS TIMESPAN

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

NOTE
1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
2. Figured dimensions to be taken in preference to scaled dwgs.
3. This drawing is to be read in conjunction with the specification and engineers drawings.

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING RE-ISSUE TO COUNCIL RE-ISSUE TO COUNCIL	AB	02/9/15				
C		AB	19/10/15				
D		AB	22/10/15				
E		AB	27/05/16				
F		AB	2/09/16				
G	AB	26/09/16					

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE



CLIENT:
SID ARIDA

2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY-INTERNAL LIVING SPACE 21 JUN-1PM

NORTH POINT:

DATE:	FEB 2015		
DRAWN BY:	AB		
CHECKED BY:	PI		
PROJECT NO:	P343.1		
SCALE:	@ A3		
A	PP	25	G
disc	stage	dwg no.	revision

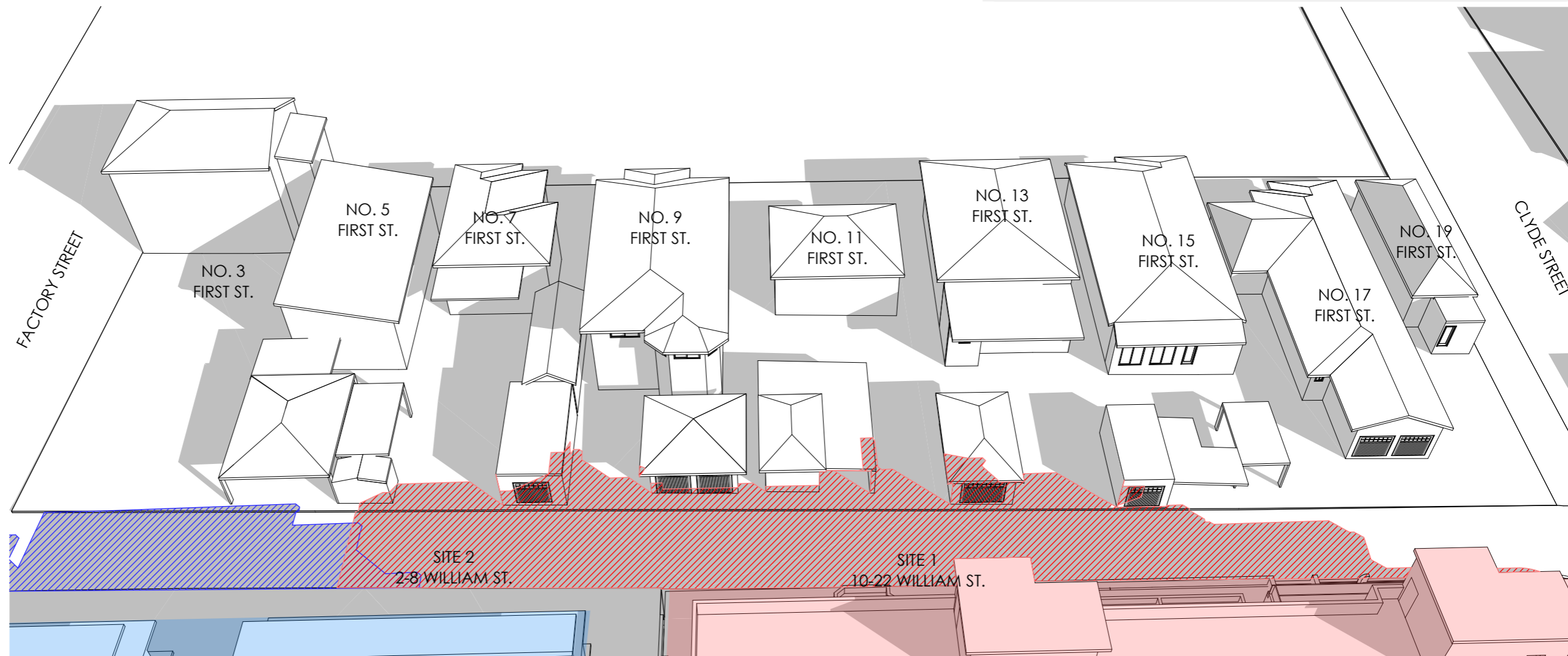
Sun Position to Project Location

Jun 21 14 hr 0 min Project Location...

+1 hr Daylight Savings

Sun Altitude: 25.57° Sun Azimuth: 139.89° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



1 2 PM-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

+ SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES ACHIEVED IN THIS TIMESPAN
- SUN LIGHT ACCESS TO EXTERNAL LIVING SPACES NOT ACHIEVED IN THIS TIMESPAN

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

NOTE
1. Contractors to verify all dimensions on site before any shop drawings or work is commenced.
2. Figured dimensions to be taken in preference to scaled dwgs.
3. This drawing is to be read in conjunction with the specification and engineers drawings.

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
B	PLANNING PROPOSAL SENT TO CONSULTANTS	AB	02/9/15				
C		AB	19/10/15				
D	PLANNING PROPOSAL ISSUED FOR COUNCIL MEETING	AB	22/10/15				
E		AB	27/05/16				
F	RE-ISSUE TO COUNCIL	AB	2/09/16				
G	RE-ISSUE TO COUNCIL	AB	26/09/16				

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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE



CLIENT: SID ARIDA

2-22 WILLIAM STREET, GRANVILLE

DRAWING TITLE: SUN STUDY-INTERNAL LIVING SPACE 21 JUN-2PM

NORTH POINT:

DATE: FEB 2015

DRAWN BY: AB

CHECKED BY: PI

PROJECT NO: P343.1 SCALE: @ A3

A PP 26 G
disc stage dwg no. revision

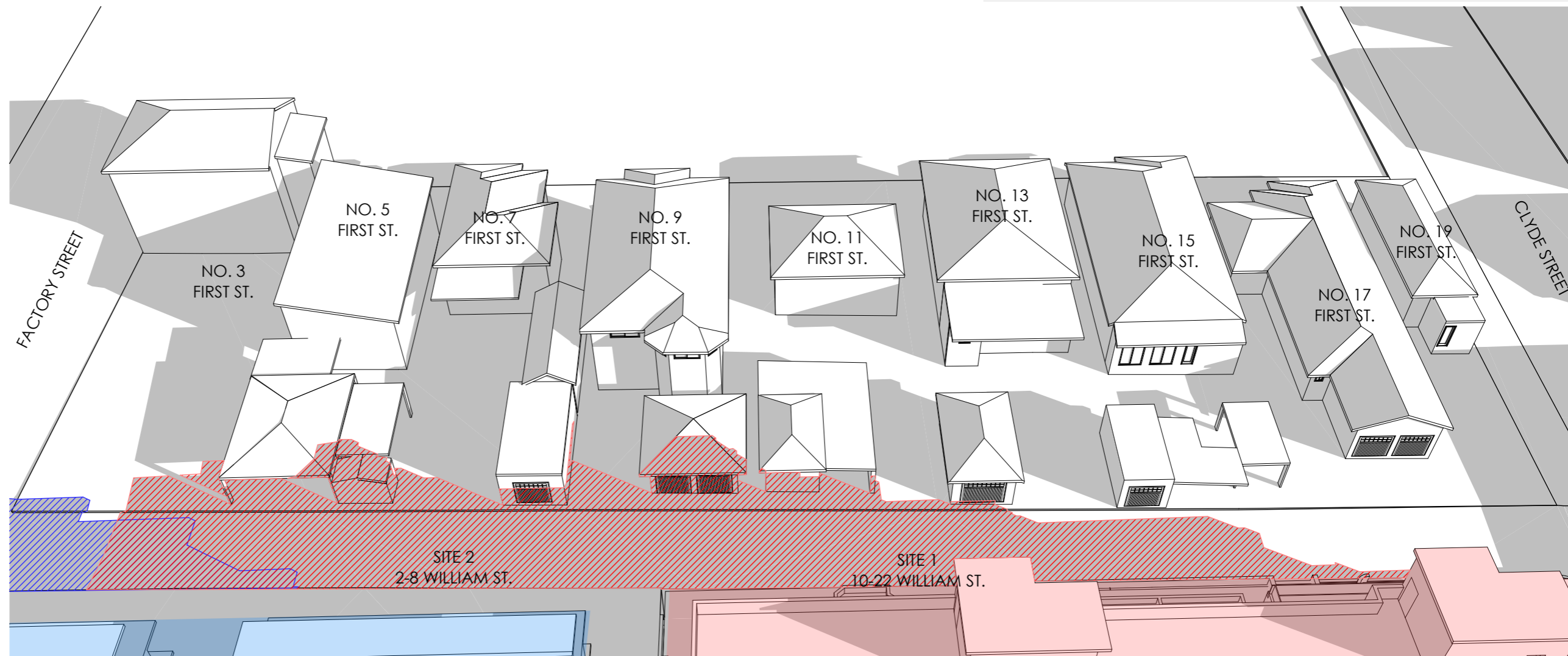
Sun Position to Project Location

Jun 21 15 hr 0 min Project Location...

+1 hr Daylight Savings

Sun Altitude: 17.95° Sun Azimuth: 152.23° Project North: 108.47°

- SUBJECT SITE AREA
10-22 WILLIAM ST.
- SITE 2: 2-8 WILLIAM ST.
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 1 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 1
- ADDITIONAL SHADOW TO BE CAST OUTSIDE OF SITE 2 BOUNDARY BY PROPOSED BUILDING ENVELOPE FOR SITE 2
- SHADOW CAST BY EXISTING BUILDINGS ENVELOPE



SUMMARY

- THESE SHADOW DIAGRAMS VERIFY THAT LIVING SPACES IN ALL* ADJACENT PROPERTIES TO THE SOUTH GET MORE THEN 3 HOURS OF SUN LIGHT IN MID WINTER.

1 3 PM-PROPOSED

TABLE SHOWING SUN LIGHT ACCESS TO HABITABLE ROOMS

+

-

HOURS/PROPERTY	NO. 19 FIRST ST.	NO. 17 FIRST ST.	NO. 15 FIRST ST.	NO. 13 FIRST ST.	NO. 11 FIRST ST.	NO. 9 FIRST ST.	NO. 7 FIRST ST.	NO. 5 FIRST ST.	NO. 3 FIRST ST.	AVG
9-10 AM	-	-	-	-	-	-	-	-	+	
10-11 AM	+	+	-	-	+	+	-	-	+	
11-MIDDAY	+	+	+	+	+	+	+	-	+	
MIDDAY-1 PM	+	+	+	+	+	+	+	+	+	
1 PM-2 PM	+	+	+	+	+	+	+	+	+	
2 PM-3 PM	+	+	+	+	+	+	+	+	+	
TOTAL SUNLIGHT ACCESS ACHIEVED	5 H	5 H	4 H	4 H	5 H	5 H	4 H	3 H	6 H	4.5 H

* PROPERTY ON 17 FIRST ST. DOES NOT GET THE MINIMUM AMOUNT OF SUNLIGHT REQUIRED BY PARRAMATTA DCP 2011 DUE TO IT'S OWN BUILDING ENVELOPE OVER SHADOWING IT'S WINDOWS AND PRIVATE OPEN SPACE FROM 9 AM TO 3 PM

NOTE
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REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
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CLIENT:
SID ARIDA

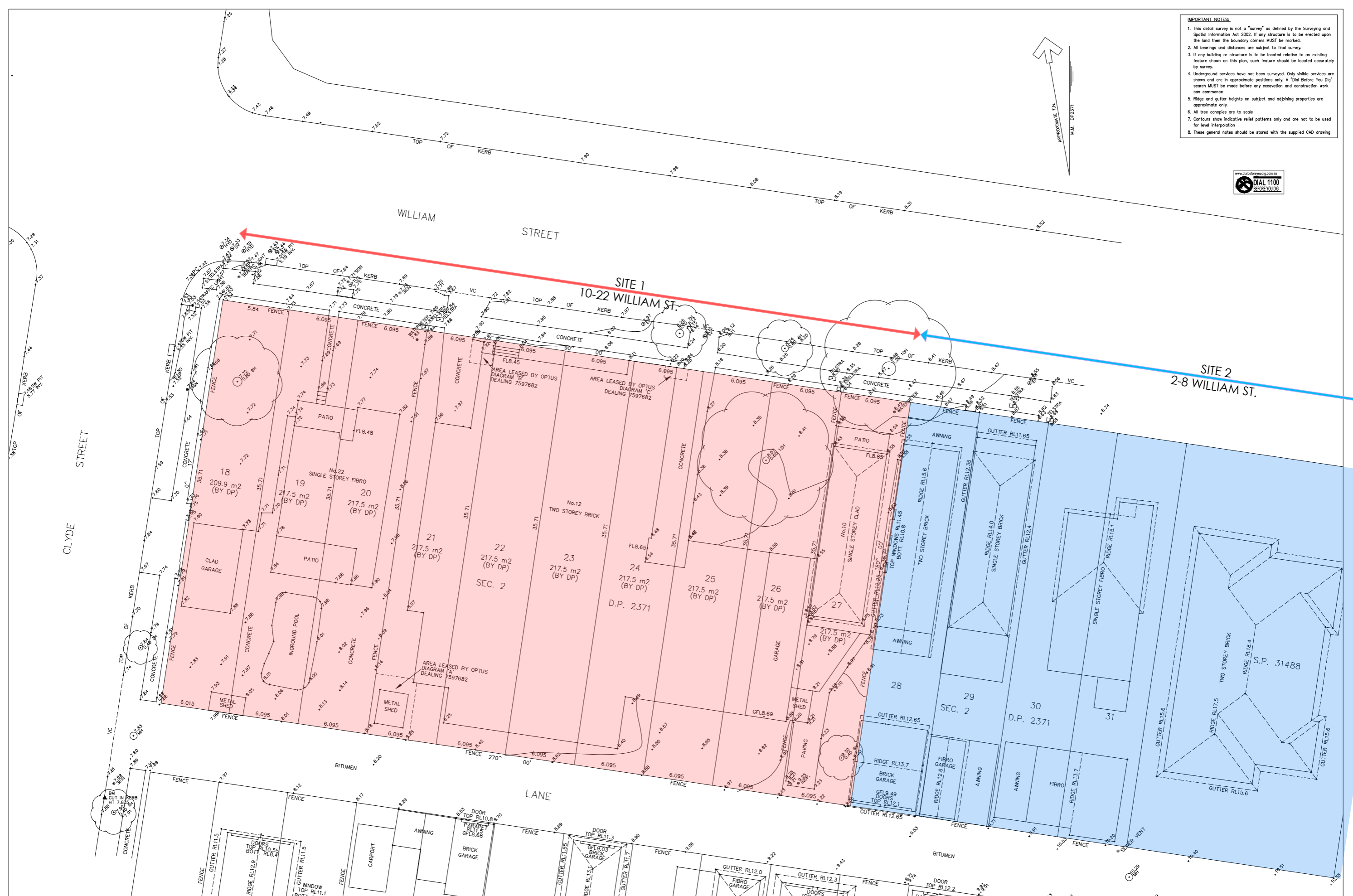
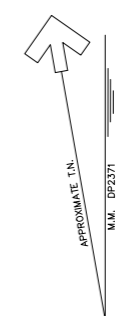
2-22 WILLIAM STREET,
GRANVILLE

DRAWING TITLE:
SUN STUDY-INTERNAL LIVING SPACE 21 JUN-3PM

NORTH POINT:

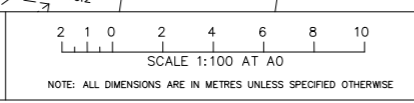
DATE:	FEB 2015		
DRAWN BY:	AB		
CHECKED BY:	PI		
PROJECT NO:	P343.1		
SCALE:	@ A3		
A	PP	27	G
disc	stage	dwg no.	revision

- IMPORTANT NOTES:**
1. This detail survey is not a "survey" as defined by the Surveying and Spatial Information Act 2002. If any structure is to be erected upon the land then the boundary corners MUST be marked.
 2. All bearings and distances are subject to final survey.
 3. If any building or structure is to be located relative to an existing feature shown on this plan, such feature should be located accurately by survey.
 4. Underground services have not been surveyed. Only visible services are shown and are in approximate positions only. A "Dig Before You Dig" search MUST be made before any excavation and construction work can commence.
 5. Ridge and gutter heights on subject and adjoining properties are approximate only.
 6. All tree canopies are to scale.
 7. Contours show indicative relief patterns only and are not to be used for level interpolation.
 8. These general notes should be stored with the supplied CAD drawing.



DATE	REVISION	BY

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LANE

AREA LEASED BY OPTUS DIAGRAM 'B' DEALING 7597682

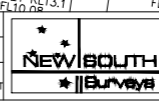
AREA LEASED BY OPTUS DIAGRAM 'C' DEALING 7597682

AREA LEASED BY OPTUS DIAGRAM 'A' DEALING 7597682

AUSTRALIAN HEIGHT DATUM

ORIGIN: SSM 44517
RL: 7.232
SCMS: 13/05/2015

DRAWN: RUC
CHECKED: DH
SURVEYED: DH
M.I.S. AUST



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CLIENT: MR S ARIDA
PROJECT: 10-22 WILLIAM STREET, GRANVILLE
TOPOGRAPHICAL SURVEY
SHEET 1 OF 2 SHEETS

SCALE: 1 : 100
DATE: 13/05/15
DRAWING No: 115220-1