

16001_WSU WESTMEAD - LOT 4 (DEAP 2 Comments Feedback)

Required Parking	Client Desired	Council Max.
Studio	4	28
3B	177	177
2B	152	152
3B	222	11
Subtotal West Central Visitor	355	342.8
	71	71
Total Required	426	473

Actual Parking	West Central	Vectors	Accessible
Ground	0	0	0
Lower Ground	8	31	9
B1	19	40	25
B2	304		
B3	304		
B4	74		
subtotal	509	71	34

File		Total
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Drawings List

SERIES	Drawing No.	Drawing Name
LOT 4.01 DEVELOPMENT APPLICATION		
	007	Internal Reference Only
000 General		
	DA-001-000	W_Title Sheet
	DA-001-001	U_Context Plan
100 Site Plan		
	DA-100-010	U_Site Analysis Plan
	DA-100-020	V_Site Plan
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	DA-100-040	U_FSR Diagram
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	DA-105-B01	W_Basement 01
	DA-105-B02	V_Basement 02
	DA-105-B03	V_Basement 03
	DA-105-B04	V_Basement 04
	DA-110-001	W_Lower Ground Floor
	DA-110-002	V_Ground Floor
	DA-110-010	U_Level 01
	DA-110-020	U_Level 02
	DA-110-030	U_Level 03
	DA-110-040	U_Level 04-05
	DA-110-060	U_Level 06
	DA-110-070	U_Level 07
	DA-110-080	U_Level 08
	DA-110-090	U_Level 09
	DA-110-100	U_Level 10
	DA-110-110	U_Level 11
	DA-110-120	U_Level 12-16
	DA-110-170	U_Level 17-18
	DA-110-190	U_Level 19
	DA-110-200	U_Level 20 Plant and Roof
	DA-110-210	U_Level 21 Roof
	DA-110-220	U_Level 22 Overall Roof Plan
120 Adaptable + Livable Apartment Plans		
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	DA-120-002	U_Adaptable + Livable Apartment Plans 02
130 Livable Apartment Plans		
	DA-130-001	U_Livable Apartment Plans 01
210 GA Elevations		
	DA-210-001	V_North Elevation
	DA-210-002	V_East Elevation
	DA-210-003	U_South Elevation
	DA-210-004	V_West Elevation
310 GA Sections		
	DA-310-001	V_Section A-A
	DA-310-002	U_Section B-B
	DA-310-003	U_Section C-C
710 Shadow Diagrams		
	DA-710-001	V_June 21 9am
	DA-710-002	V_June 21 12pm
	DA-710-003	V_June 21 3pm
	DA-710-004	V_June 21 7:30am and 4:30pm
	DA-715-001	U_Sun Eye View Diagram 01
	DA-715-002	U_Sun Eye View Diagram 02
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	DA-720-002	U_Cross Ventilation Diagrams Sheet 2
	DA-720-003	U_Cross Ventilation Diagrams Sheet 3
	DA-720-005	U_Solar Diagrams Sheet 1
	DA-720-006	U_Solar Diagrams Sheet 2
	DA-720-007	U_Solar Diagrams Sheet 3
	DA-720-008	U_Solar Diagrams Sheet 4
	DA-725-001	U_Acoustic and Visual Privacy Sheet 1
	DA-725-002	U_Acoustic and Visual Privacy Sheet 2
	DA-725-003	U_Acoustic and Visual Privacy Sheet 3
	DA-725-004	U_Acoustic and Visual Privacy Sheet 4
730 Landscape Amenities		
	DA-730-001	V_Landscape/Communal Area
	DA-730-002	U_Communal Open Area Solar Amenity
740 GFA Diagrams		
	DA-740-001	U_GFA Diagrams 01
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	DA-740-003	U_GFA Diagrams 03
	DA-740-004	U_GFA Diagrams 04
915-920 3D Views		
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990 Materials Board		
	DA-990-002	U_Materials and Finishes D
	DA-990-003	V_Materials and Finishes E
	DA-990-004	U_Materials and Finishes F

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DLCS Quality Endorsed Company ISO 9001:2008, Registration Number 25478
Notified Architect: Nicholas Turner, 8895, AEN, 88 064 084 911

KEY PLAN

LEGEND

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
T	22.06.17	JM	Development Application Amendments
U	03.07.17	JM	Development Application Amendments
V	14.07.17	JM	Development Application Amendments
W	31.08.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
General Title Sheet

Scale @A1, 50%@A3	Project No. 16001	Drawn by turner	North
Status For Information	Dwg No. DA-001-000	Rev W	










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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28475
Notified Architect: Nicholas Turner 8665, AEN 86 064 084 911

KEY PLAN

LEGEND

LEGEND

-  Westmead Railway Station
-  Future Light Rail Station
-  T-Way Bus Stop
-  Medical Facility
-  Educational Institution
-  Lot 4 Site Boundary
-  Existing Tree to be Removed

NOTE:

LOT 2 & 3 INDICATIVE BUILDING ENVELOPES SHOWN

LOT 5 BUILDING FORMS BASED ON RESPONSE TO DEAP MEETING 14/06/2016

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
**General
Context Plan**

Scale
1:1000 @A1, 50%@A3
Status
For Information

Project No.
16001
Dwg No.
DA-001-001

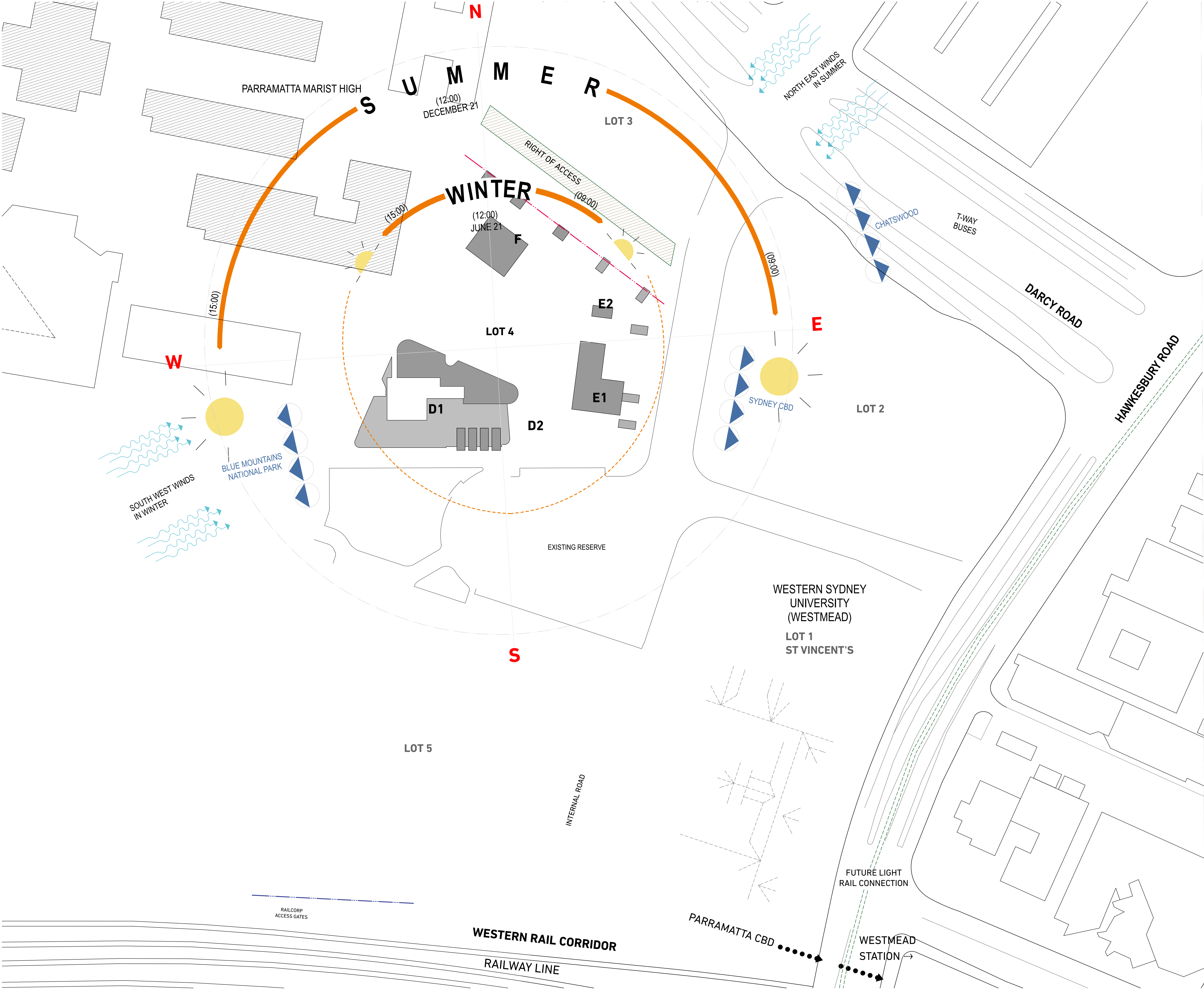
Drawn by
turner
Rev
U



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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28475
Notified Architect: Nicholas Turner, 8895, AEN 88 064 084 911

KEY PLAN

LEGEND

LEGEND

Future Light Rail Station

T-Way Bus Stop

Views

Prevailing Winds

Privacy Issues

Lot 4 Site Boundary

NOTE:

LOT 2 & 3 INDICATIVE BUILDING ENVELOPES SHOWN

LOT 5 BUILDING FORMS BASED ON RESPONSE TO DEAP MEETING 14/06/2016

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Deicorp
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NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Site Plan
Site Analysis Plan

Scale
1:500 @A1, 50% @A3
Status
For Information

Project No.
16001

Drawn by
turner

Rev
U

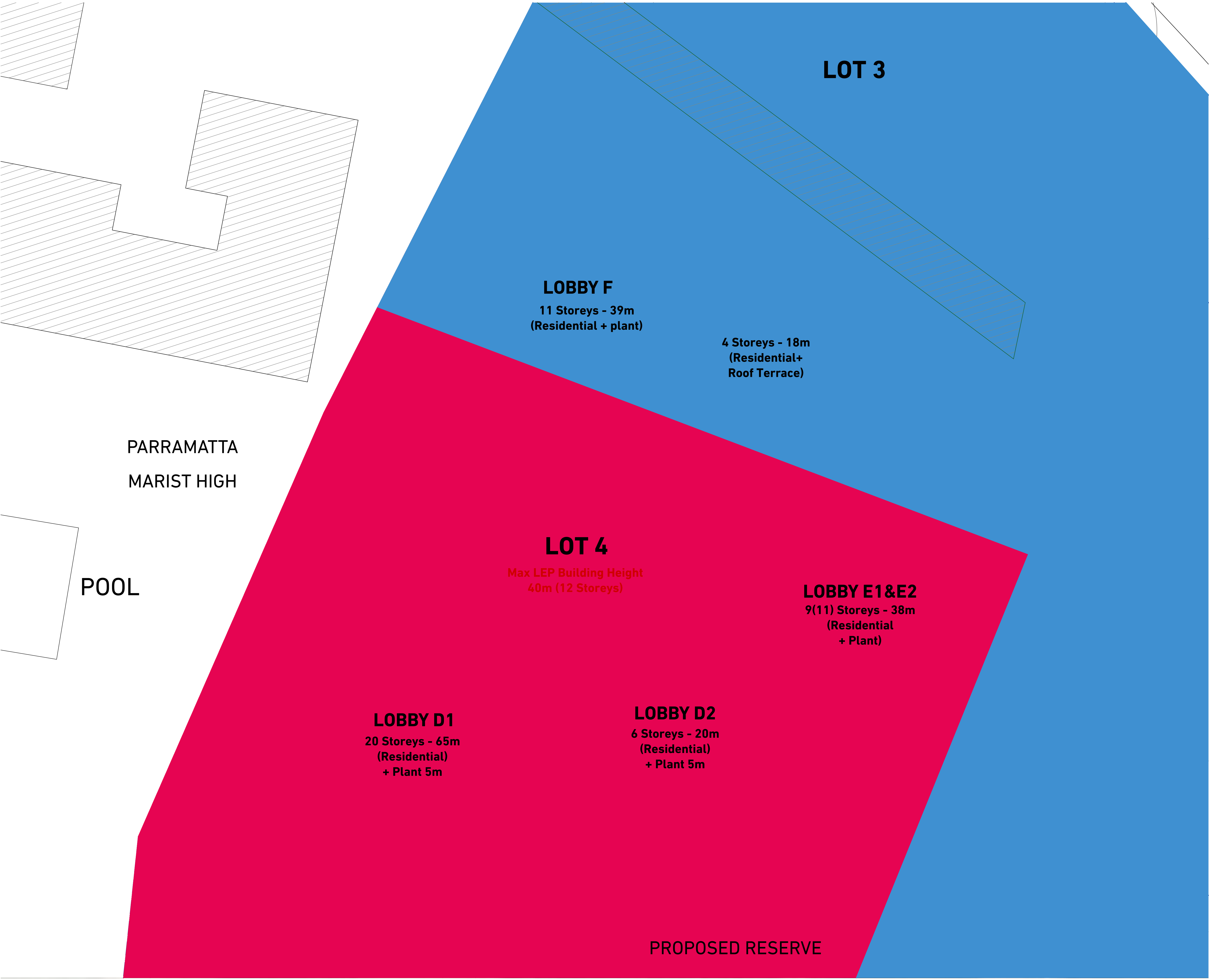
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DA-100-010

North
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DLG2 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8895, ABA 88 064 084 911

KEY PLAN

LEGEND

LEGEND

- LEP HEIGHT LIMIT 40m
- LEP HEIGHT LIMIT 48m
- LEP HEIGHT LIMIT 31m

NOTE:
TAKEN FROM PARRAMATTA LEP 2011 HEIGHT OF BUILDINGS MAP

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

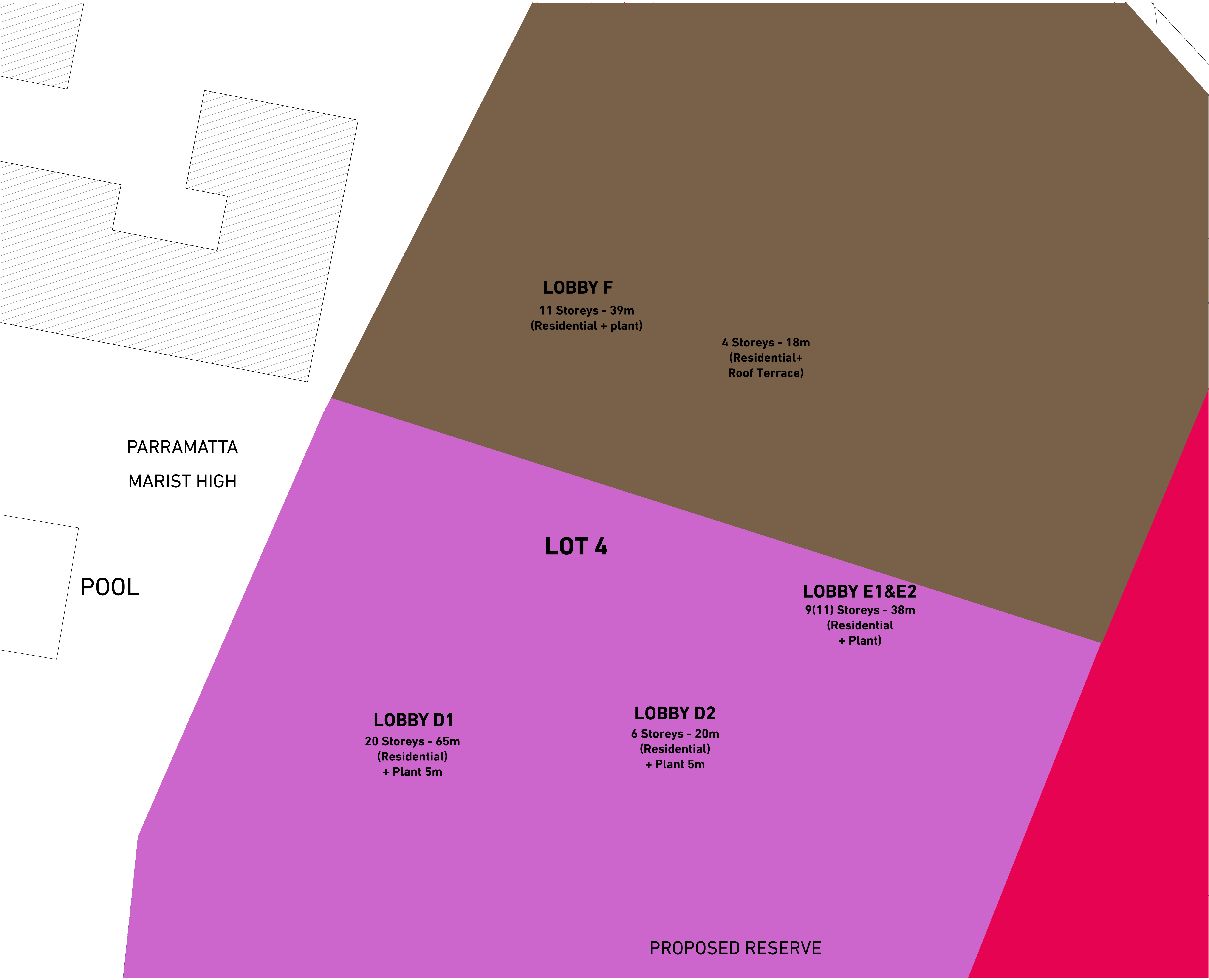
Drawing Title

Site Plan
Height Plan Diagram

Scale 1:200 @A1, 50%@A3	Project No. 16001	Drawn by turner	North ↑
Status For Information	Dwg No. DA-100-030	Rev U	

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DLG2 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8895, AEN 88 064 084 911

KEY PLAN

LEGEND

NOTE:
TAKEN FROM PARRAMATTA LEP 2011 FSR MAP

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title

Site Plan
FSR Diagram

Scale 1:200 @A1, 50%@A3	Project No. 16001	Drawn by turner	North ↑
Status For Information	Dwg No. DA-100-040	Rev U	

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ADAPTABLE HOUSING DESIGN COMPLYING APAPTMENTS

AS4299 Appendix A:
Defines the classification levels of apartments required as follows;

Adaptable Dwelling Class C - All essential features incorporated.

Essential Required Features:

1. A safe continuous accessible path of travel from the street entrance and vehicle parking entry to comply with AS1428.1
2. Additional Paths and Walkways to be continuous and hard surfaced with gradients complying with AS 1428.1
3. Parking spaces min 6.0 x 3.8m
4. Accessible entry to be level (max 1:40 slope).
5. Threshold to be low level.
6. Landing to enable wheelchair manoeuvrability.
7. Accessible entrance door to have min 850 mm clearance.
8. Door lever handles and hardware to AS 1428.1
9. Internal doors to have 820 mm min clearance.
10. Internal corridors: 1000 mm min. clear width.
11. Provision for compliance with AS 1428.1 for door approaches.
12. Provision for circulation space of 2250 mm dia.
13. Living / Dining space: Telephone point adjacent to GPO.
14. Living / Dining space: Potential illumination level min 300 lux.
15. Kitchen: Minimum width 2.7 m (1550 mm clear between benches).
16. Kitchen: Provision for circulation at doors to comply with AS1428.1.

17. Kitchen: Provision for benches planned to include at least one worksurface of 800mm length, adjustable in height from 750 mm to 850 mm or replaceable.

18. Kitchen: Refrigerator adjacent to work surface.

19. Kitchen: Kitchen sink adjustable to heights from 750 mm to 850 mm or replaceable.

20. Kitchen sink bowl max. 150 mm deep.

21. Kitchen: Tap set capstan or lever handles or lever mixer.

22. Kitchen: Tap set located within 300mm of front of sink.

23. Cooktops to include either front or side controls with raised cross bars.

24. Cooktops to include isolating switch.

25. Kitchen: Work surface min. 800 mm length adjacent to cooktop at same height.

26. Kitchen: Oven located adjacent to an adjustable height or replaceable work surface.

27. Kitchen: GPOs to comply with AS 1428.1 At least one double GPO within 300 mm of front of work surface.

28. Kitchen: GPO for refrigerator to be easily reachable when refrigerator is in it's operating position.

29. Kitchen: Slip resistant floor surface.

30. Main Bedroom: At least one bedroom of area sufficient to accommodate queen size bed and wardrobe with circulation space to meet requirements of AS 1428.1

31. Bathroom: Provision for bathroom area to comply with AS 1428.1

32. Bathroom: Slip resistant floor surface.

33. Shower recess, with no hob.Min size 1160 x 1100 to comply with AS 1428.1

34. Shower area waterproofed to AS 3740 with floor fall to waste.

35. Recessed soap holder.

36. Shower taps positioned for easy reach to access side of shower sliding track.

37. Provision for adjustable, detachable hand held shower rose mounted on a grab rail of fixed hook. (Plumbing and wall strengthening provision).

38. Provision of grab rail in the shower.

39. Tap sets to be capstan or lever handles with single outlet.

40. Provision for wash basin with clearances to comply with AS 1428.1

41. Double GPO beside mirror.

42. Provision for either visitable toilet, or accessible toilet.

43. Provision to comply with AS 1428.1

44. Location of WC pan at correct distance from fixed walls.

45. Provision for grab rail zone.

46. Slip resistant floor surface. (Vitreous tiles or similar).

47. Laundry: Circulation at doors to comply with AS 1428.1

48. Laundry: Provision for adequate circulation space in front of or beside appliances. (1550 mm min depth).

49. Provision for automatic washing machine.

50. Double GPO.51. Slip resistant floor surface.

52. Door locks: Hardware operable with one hand, located 900 - 1100 mm above floor.

Total apartments = 344
Total complying apartments = 36
Percentage of complying apartments = 10%

LIVABLE HOUSING DESIGN COMPLYING APARTMENTS

The eight core design feature elements in the silver level are:

1. A safe continuous and step free path of travel from the street entrance and / or parking area to a dwelling entrance that is level.
2. At least one, level (step-free) entrance into the dwelling.
3. Internal doors and corridors that facilitate comfortable and unimpeded movement between spaces.
4. A toilet on the ground (or entry) level that provides easy access.
5. A bathroom that contains a hobless (step-free) shower recess.
6. Reinforced walls around the toilet, shower and bath to support the safe installation of grabrails at a later date.
7. A continuous handrail on one side of any stairway where there is a rise of more than one metre.
8. Stairways are designed to reduce the likelihood of injury and also enable future adaptation.

Total apartments = 344
Total complying apartments = 69
Percentage of complying apartments = 20%

Notes:

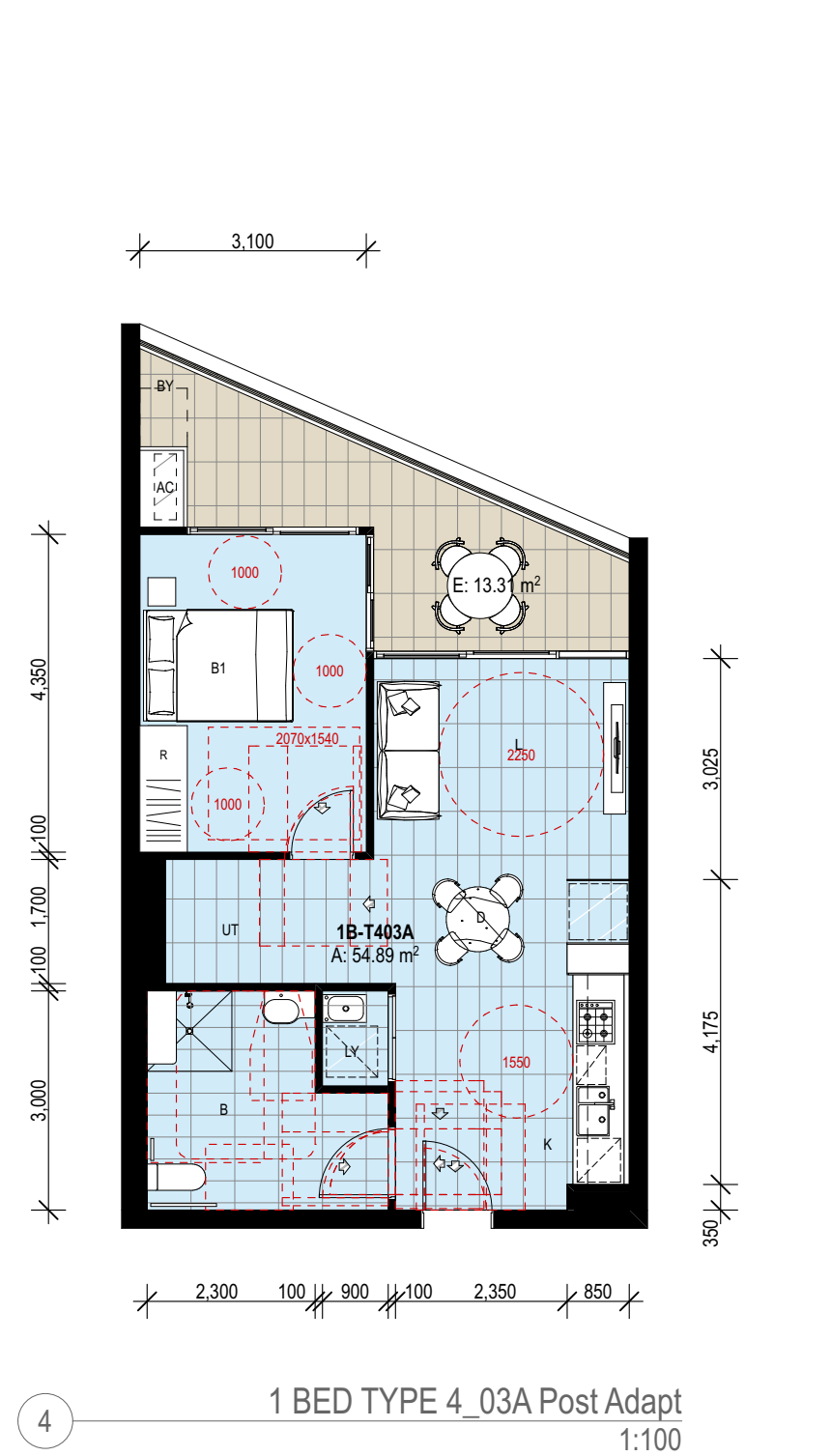
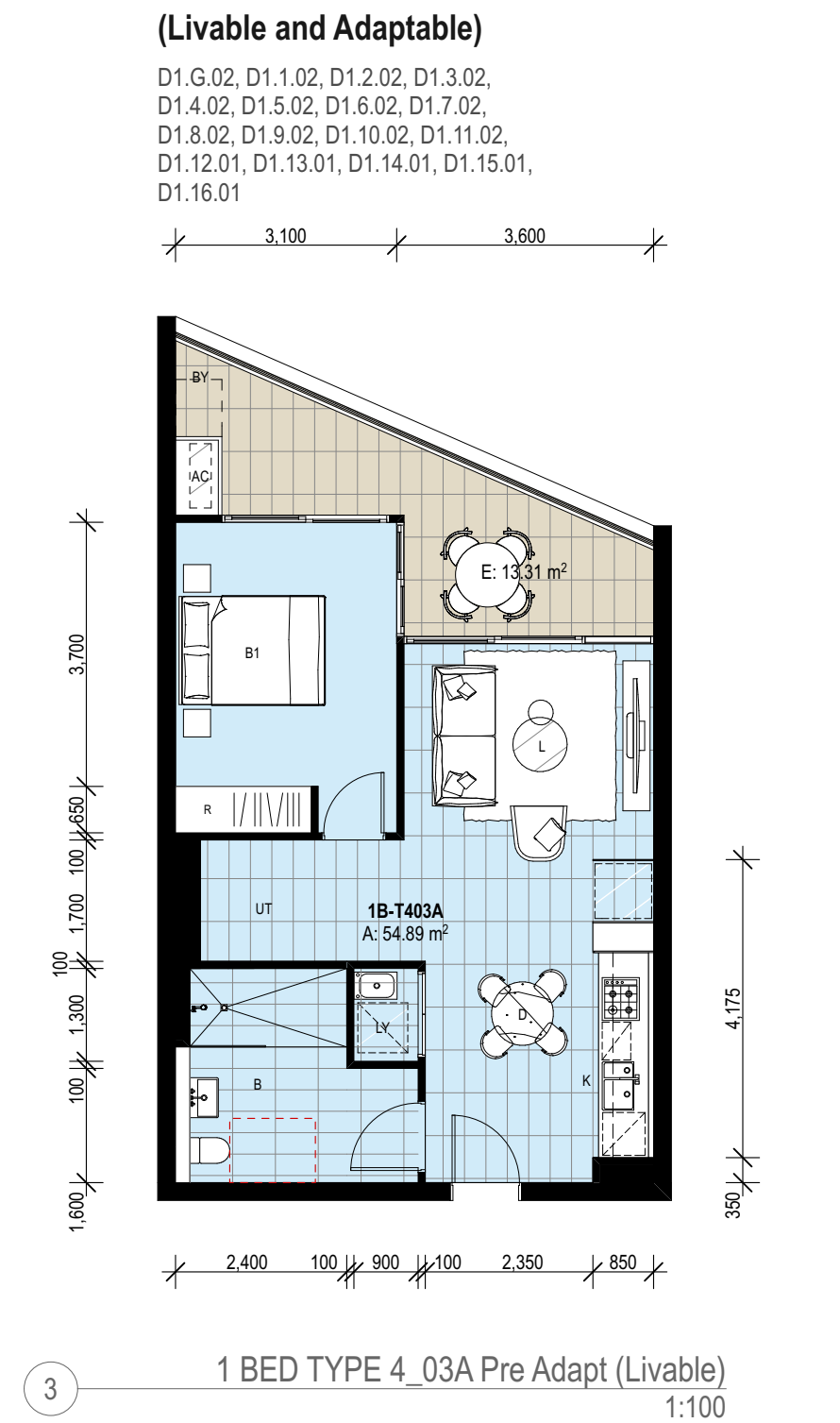
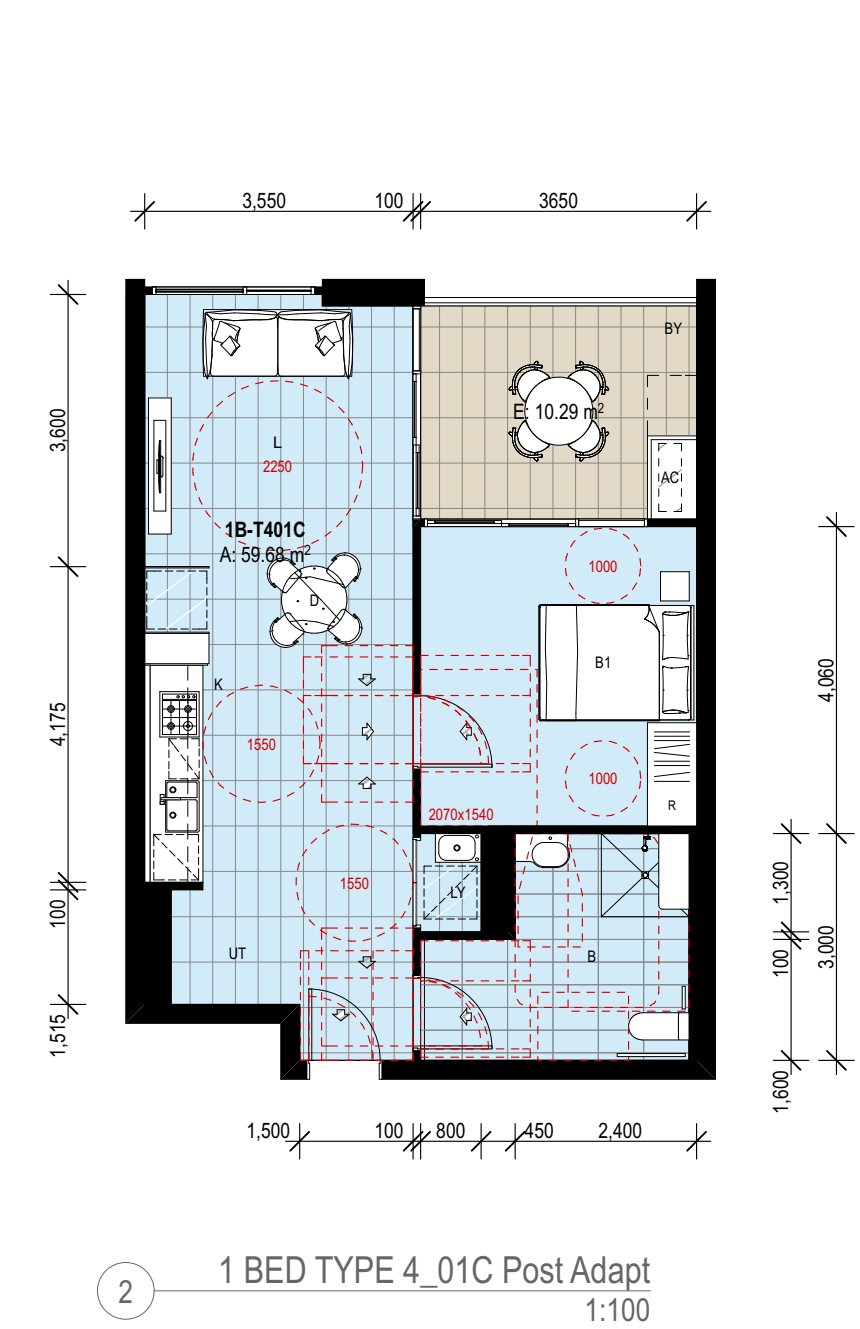
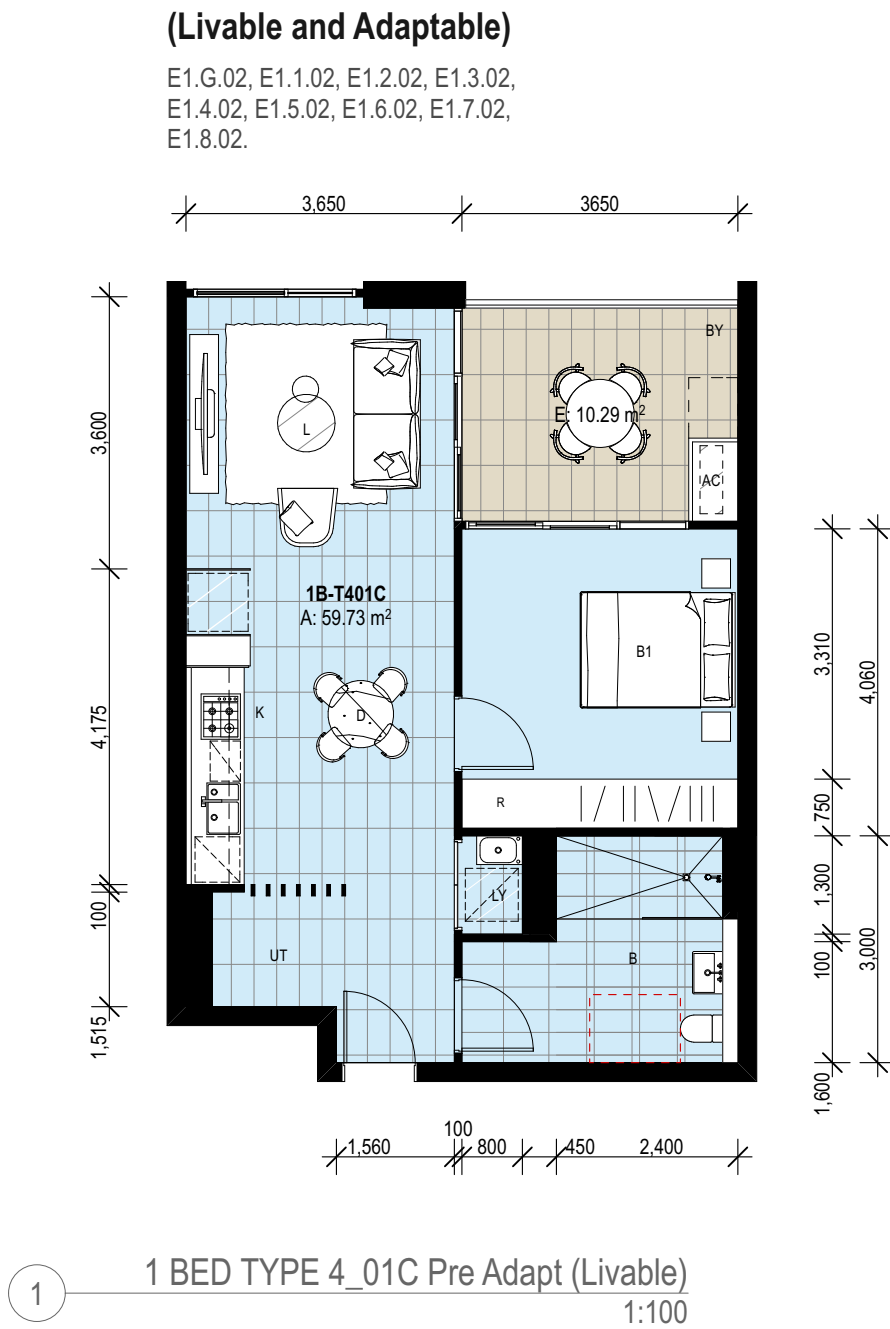
- Refer to Yield Schedule for summaries

Legend:

[A]	Adaptable		
[L]	Livable		
B	Bathroom		
B1, B2, B3	Bedrooms		
BY	Balcony		
D	Dining		
E	Ensuite		
K	Kitchen		
L	Living		
LY	Laundry		
R	Wardrobe		
S	Storage		
TCE	Terrace		
UT	Utility		

1000

Critical Clearances



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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8895, AEN 88 064 084 911

KEY PLAN

LEGEND

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Adaptable + Livable Apartment Plans
Adaptable + Livable Apartment Plans 01

Scale	Project No.	16001	Drawn by	turner	North
1:100 @A1, 50%@A3	Dwg No.	DA-120-001	Rev	U	

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ADAPTABLE HOUSING DESIGN COMPLYING APAPTMENTS

AS4299 Appendix A:
Defines the classification levels of apartments required as follows;

Adaptable Dwelling Class C - All essential features incorporated.

Essential Required Features:

1. A safe continuous accessible path of travel from the street entrance and vehicle parking entry to comply with AS1428.1
2. Additional Paths and Walkways to be continuous and hard surfaced with gradients complying with AS 1428.1
3. Parking spaces min 6.0 x 3.8m
4. Accessible entry to be level (max 1:40 slope).
5. Threshold to be low level.
6. Landing to enable wheelchair manoeuvrability.
7. Accessible entrance door to have min 850 mm clearance.
8. Door lever handles and hardware to AS 1428.1
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20. Kitchen sink bowl max. 150 mm deep.
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24. Cooktops to include isolating switch.
25. Kitchen: Work surface min. 800 mm length adjacent to cooktop at same height.
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28. Kitchen: GPO for refrigerator to be easily reachable when refrigerator is in it's operating position.
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35. Recessed soap holder.
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37. Provision for adjustable, detachable hand held shower rose mounted on a grab rail of fixed hook. (Plumbing and wall strengthening provision).
38. Provision of grab rail in the shower.
39. Tap sets to be capstan or lever handles with single outlet.

40. Provision for wash basin with clearances to comply with AS 1428.1
41. Double GPO beside mirror.
42. Provision for either visitable toilet, or accessible toilet.
43. Provision to comply with AS 1428.1
44. Location of WC pan at correct distance from fixed walls.
45. Provision for grab rail zone.
46. Slip resistant floor surface. (Vitreous tiles or similar).
47. Laundry: Circulation at doors to comply with AS 1428.1
48. Laundry: Provision for adequate circulation space in front of or beside appliances. (1550 mm min depth).
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Total apartments = 344
Total complying apartments = 36
Percentage of complying apartments = 10%

LIVABLE HOUSING DESIGN COMPLYING APARTMENTS

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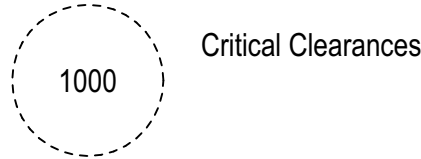
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8. Stairways are designed to reduce the likelihood of injury and also enable future adaptation.

Total apartments = 344
Total complying apartments = 69
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Notes:
- Refer to Yield Schedule for summaries

Legend:

- [A] Adaptable
[L] Livable
B Bathroom
B1, B2, B3 Bedrooms
BY Balcony
D Dining
E Ensuite
K Kitchen
L Living
LY Laundry
R Wardrobe
S Storage
TCE Terrace
UT Utility



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DL225 Quality Endorsed Company ISO 9001:2008, Registration Number 25475
Notified Architect: Nicholas Turner, 8895, AEN, BE, 684 084 911

KEY PLAN

LEGEND

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Adaptable + Livable Apartment Plans
Adaptable + Livable Apartment Plans 02

Scale 1:100 @A1, 50%@A3	Project No. 16001	Drawn by turner	North
Status For Information	Dwg No. DA-120-002	Rev U	

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ADAPTABLE HOUSING DESIGN COMPLYING APAPTMENTS

AS4299 Appendix A:
Defines the classification levels of apartments required as follows;

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2. Additional Paths and Walkways to be continuous and hard surfaced with gradients complying with AS 1428.1
3. Parking spaces min 6.0 x 3.8m
4. Accessible entry to be level (max 1:40 slope).
5. Threshold to be low level.
6. Landing to enable wheelchair manoeuvrability.
7. Accessible entrance door to have min 850 mm clearance.
8. Door lever handles and hardware to AS 1428.1
9. Internal doors to have 820 mm min clearance.
11. Provision for compliance with AS 1428.1 for door approaches.
12. Provision for circulation space of 2250 mm dia.
13. Living / Dining space: Telephone point adjacent to GPO.
14. Living / Dining space: Potential illumination level min 300 lux.
15. Kitchen: Minimum width 2.7 m (1550 mm clear between benches).
16. Kitchen: Provision for circulation at doors to comply with AS1428.1.
17. Kitchen: Provision for benches planned to include at least one worksurface of 800mm length, adjustable in height from 750 mm to 850 mm or replaceable.
18. Kitchen: Refrigerator adjacent to work surface.
19. Kitchen: Kitchen sink adjustable to heights from 750 mm to 850 mm or replaceable.
20. Kitchen sink bowl max. 150 mm deep.
21. Kitchen: Tap set capstan or lever handles or lever mixer.
22. Kitchen: Tap set located within 300mm of front of sink.
23. Cooktops to include either front or side controls with raised cross bars.
24. Cooktops to include isolating switch.
25. Kitchen: Work surface min. 800 mm length adjacent to cooktop at same height.
26. Kitchen: Oven located adjacent to an adjustable height or replaceable work surface.
27. Kitchen: GPOs to comply with AS 1428.1 At least one double GPO within 300 mm of front of work surface.
28. Kitchen: GPO for refrigerator to be easily reachable when refrigerator is in it's operating position.
29. Kitchen: Slip resistant floor surface.
30. Main Bedroom: At least one bedroom of area sufficient to accommodate queen size bed and wardrobe with circulation space to meet requirements of AS 1428.1
31. Bathroom: Provision for bathroom area to comply with AS 1428.1
32. Bathroom: Slip resistant floor surface.
33. Shower recess, with no hob.Min size 1160 x 1100 to comply with AS 1428.1
34. Shower area waterproofed to AS 3740 with floor fall to waste.
35. Recessed soap holder.
36. Shower taps positioned for easy reach to access side of shower sliding track.
37. Provision for adjustable, detachable hand held shower rose mounted on a grab rail of fixed hook. (Plumbing and wall strengthening provision).
38. Provision of grab rail in the shower.
39. Tap sets to be capstan or lever handles with single outlet.

40. Provision for wash basin with clearances to comply with AS 1428.1
41. Double GPO beside mirror.
42. Provision for either visitable toilet, or accessible toilet.
43. Provision to comply with AS 1428.1
44. Location of WC pan at correct distance from fixed walls.
45. Provision for grab rail zone.
46. Slip resistant floor surface. (Vitreous tiles or similar).
47. Laundry: Circulation at doors to comply with AS 1428.1
48. Laundry: Provision for adequate circulation space in front of or beside appliances. (1550 mm min depth).
49. Provision for automatic washing machine.
50. Double GPO.51. Slip resistant floor surface.
52. Door locks: Hardware operable with one hand, located 900 - 1100 mm above floor.

Total apartments = 344
Total complying apartments = 36
Percentage of complying apartments = 10%

LIVABLE HOUSING DESIGN COMPLYING APARTMENTS

The eight core design feature elements in the silver level are:

1. A safe continuous and step free path of travel from the street entrance and / or parking area to a dwelling entrance that is level.
2. At least one, level (step-free) entrance into the dwelling.
3. Internal doors and corridors that facilitate comfortable and unimpeded movement between spaces.
4. A toilet on the ground (or entry) level that provides easy access.
5. A bathroom that contains a hobless (step-free) shower recess.
6. Reinforced walls around the toilet, shower and bath to support the safe installation of grabrails at a later date.
7. A continuous handrail on one side of any stairway where there is a rise of more than one metre.
8. Stairways are designed to reduce the likelihood of injury and also enable future adaptation.

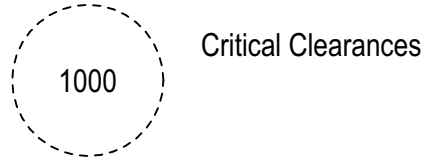
Total apartments = 344
Total complying apartments = 69
Percentage of complying apartments = 20%

Notes:

- Refer to Yield Schedule for summaries

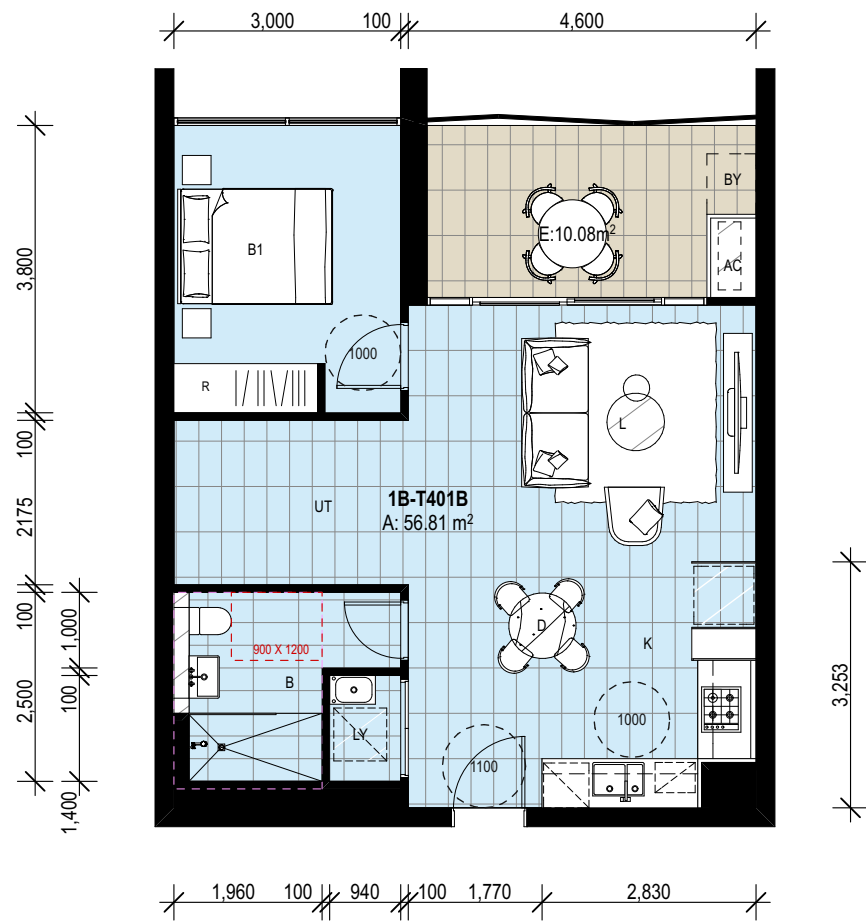
Legend:

- [A] Adaptable
[L] Livable
B Bathroom
B1, B2, B3 Bedrooms
BY Balcony
D Dining
E Ensuite
K Kitchen
L Living
LY Laundry
R Wardrobe
S Storage
TCE Terrace
UT Utility



(Livable Only)

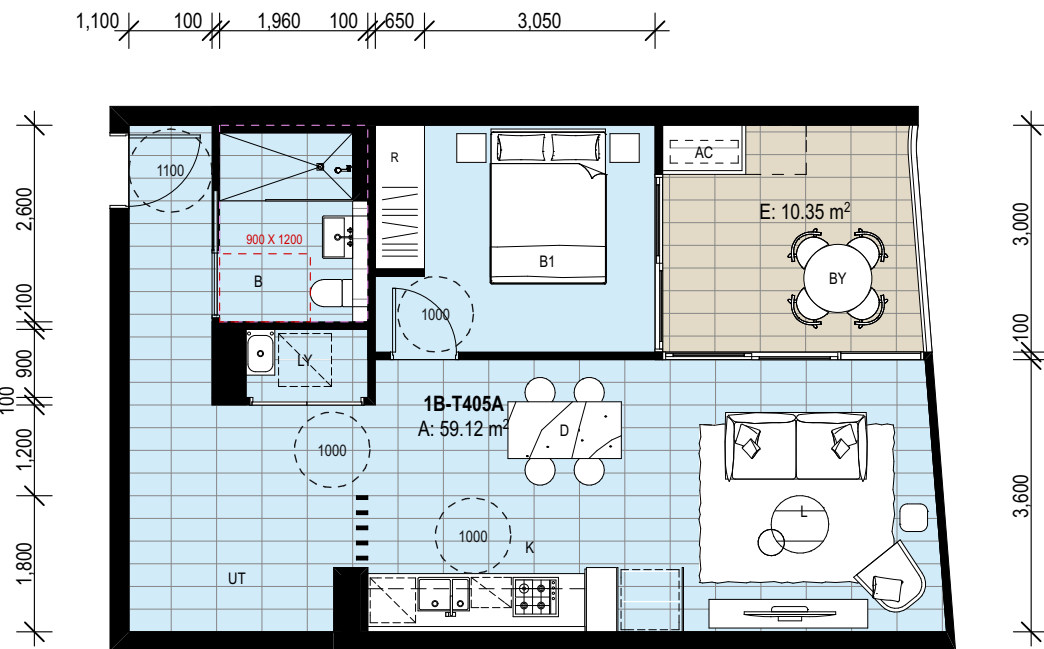
FG.04, F.1.04, F2.04, F3.04, F4.04,
F5.04, F6.04, F7.04, F8.03, F9.03



1 1 BED TYPE 4_01B (Livable)
1:100

(Livable Only)

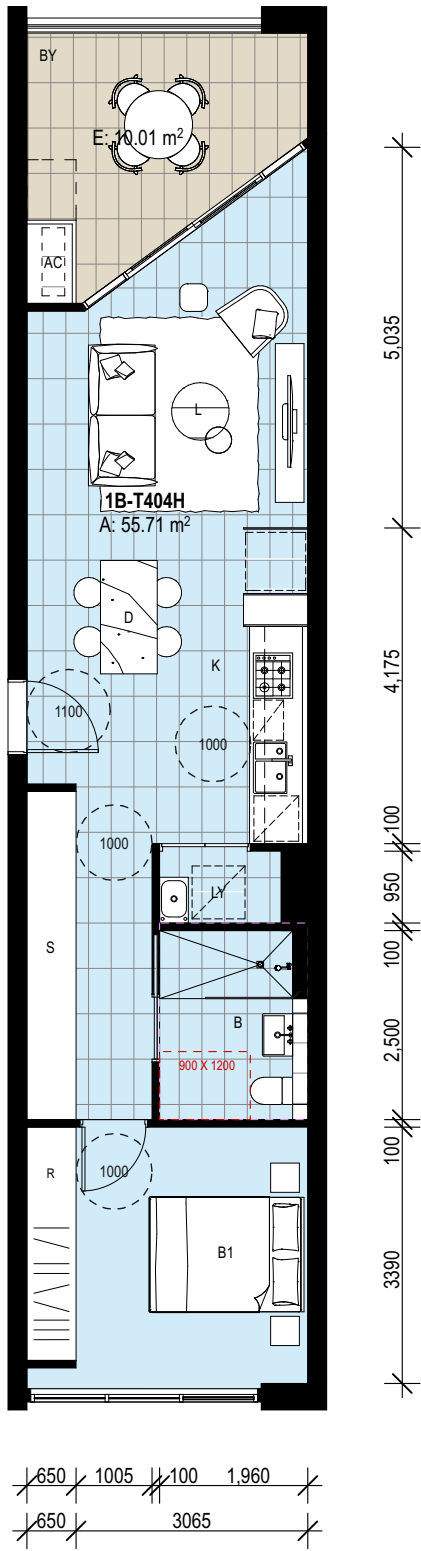
D1.6.04, D1.7.04, D1.8.04, D1.9.04,
D1.10.04, D1.11.04, D1.12.03, D1.13.03,
D1.14.03, D1.15.03, D1.16.03, D1.17.02,
D1.18.02, D1.19.02.



2 1 BED TYPE 4_05A (Livable)
1:100

(Livable Only)

E2.G.04, E2.1.04, E2.2.04, E2.3.04,
E2.4.04, E2.5.04, E2.6.04, E2.7.04,
E2.8.04



5 1 BED TYPE 4_04H (Livable)
1:100

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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8895, AEN 88 064 084 911

KEY PLAN

LEGEND

Notes:

- Capped off services provided for post-adaptable layout
- Queen beds shown

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT

Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title

WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title

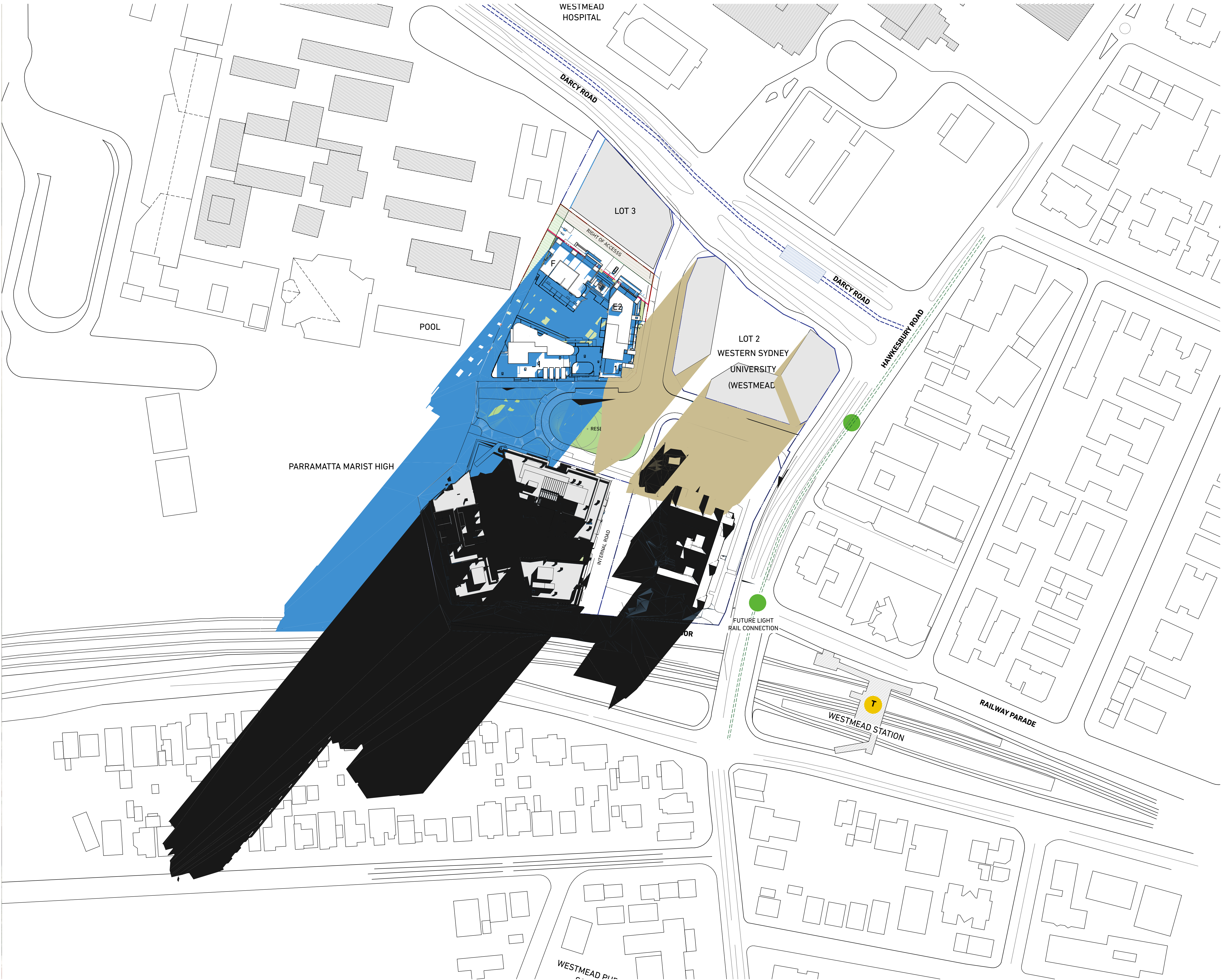
Livable Apartment Plans
Livable Apartment Plans 01

Scale	Project No.	16001	Drawn by	North
1:100 @A1, 50%@A3	Dwg No.	DA-130-001	Rev	turner
Status	For Information			U

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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28475
Notified Architect: Nicholas Turner 8855, ABA 88 064 084 911

KEY PLAN

LEGEND

LEGEND

-  Existing Shadows
-  New Shadows
-  Lot 2 Indicative Shadows


NOTE:
LOT 2 & 3 INDICATIVE BUILDING ENVELOPES SHOWN
LOT 5 BUILDING FORMS BASED ON RESPONSE TO DEAP MEETING 14/06/2016

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments
V	24.06.17	JM	Development Application Amendments

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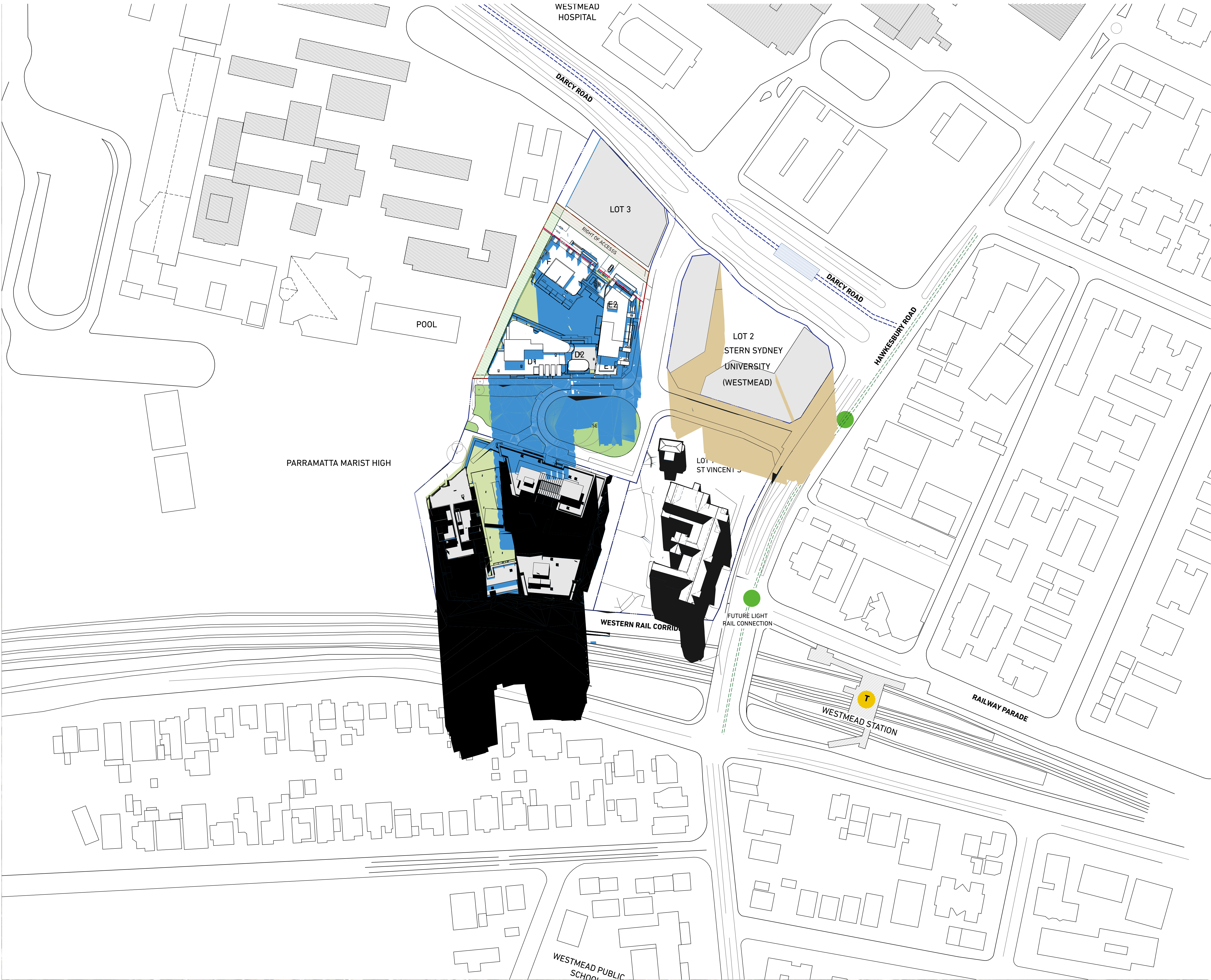
Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Shadow Diagrams
June 21 9am

Scale 1:1000,	50%@A3	Project No. 16001	Drawn by turner	North 
Status For Information		Dwg No. DA-710-001	Rev V	

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DLS Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8855, AEN 88 064 084 911

KEY PLAN

LEGEND

LEGEND

- Existing Shadows
- New Shadows
- Lot 2 Indicative Shadows

NOTE:
LOT 2 & 3 INDICATIVE BUILDING ENVELOPES SHOWN
LOT 5 BUILDING FORMS BASED ON RESPONSE TO DEAP MEETING 14/06/2016

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments
V	24.06.17	JM	Development Application Amendments

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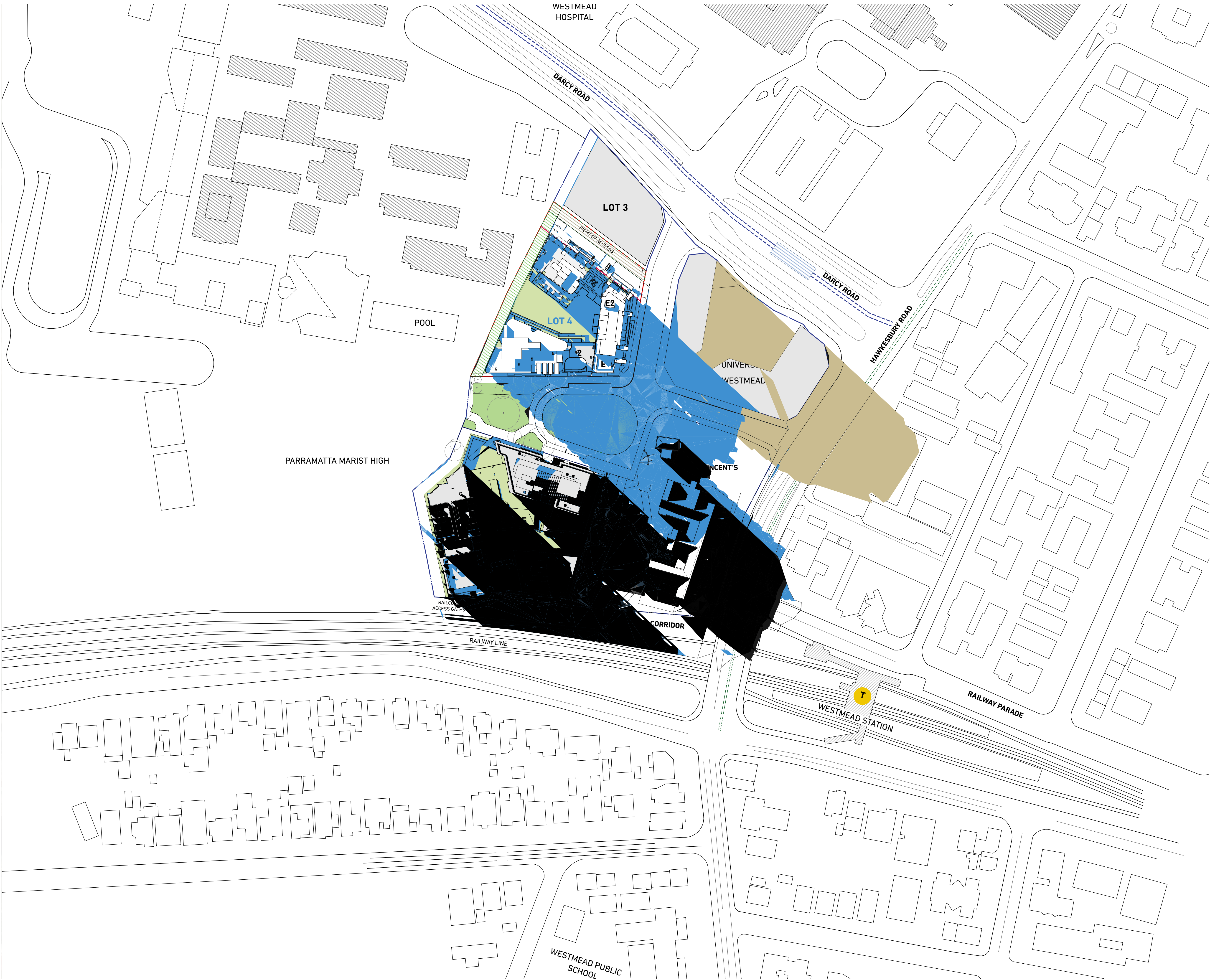
Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Shadow Diagrams
June 21 12pm

Scale 1:1000,	50%@A3	Project No. 16001	Drawn by turner	North ↑
Status For Information		Dwg No. DA-710-002	Rev V	

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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner 8855, ABA 88 064 084 911

KEY PLAN

LEGEND

LEGEND



Existing Shadows



New Shadows



Lot 2 Indicative Shadows

NOTE:

LOT 2 & 3 INDICATIVE BUILDING ENVELOPES SHOWN

LOT 5 BUILDING FORMS BASED ON RESPONSE TO DEAP MEETING
14/06/2016

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments
V	24.06.17	JM	Development Application Amendments

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Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title

WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title

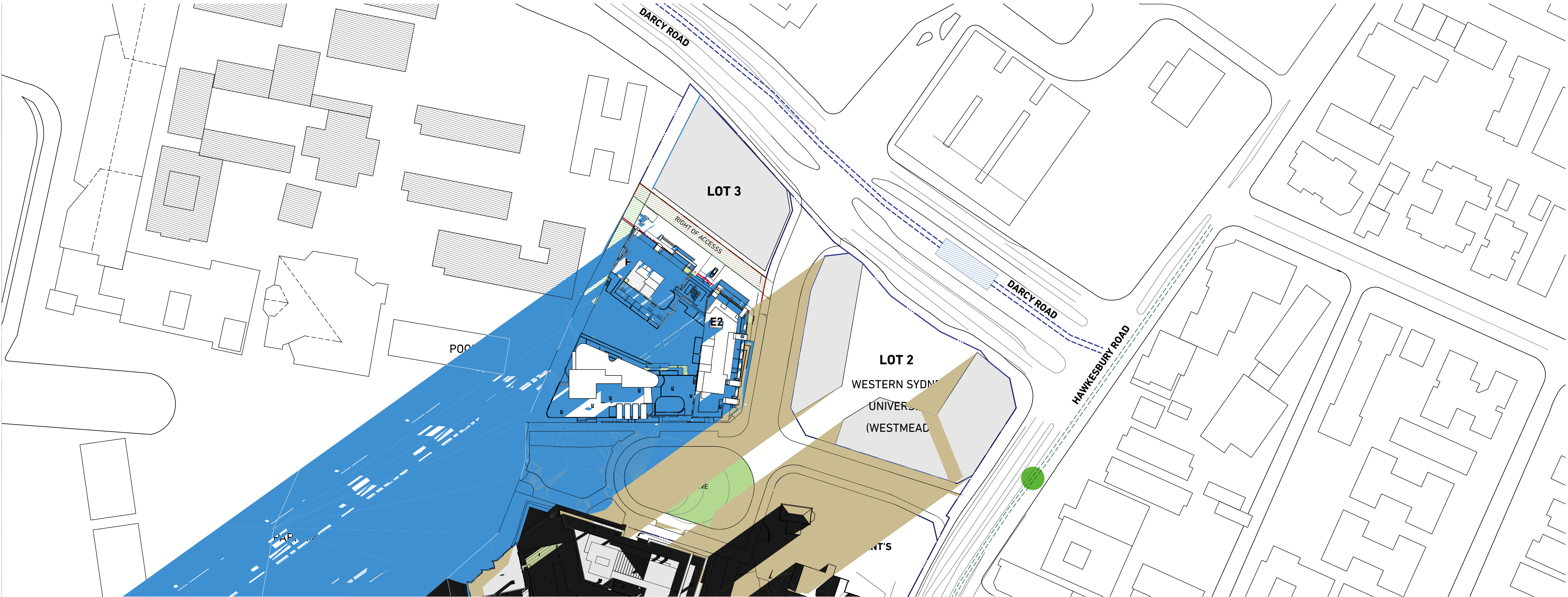
Shadow Diagrams
June 21 3pm

Scale	Project No.	Drawn by	North
1:1000,	16001	turner	↑
Status	Dwg No.	Rev	
For Information	DA-710-003	V	

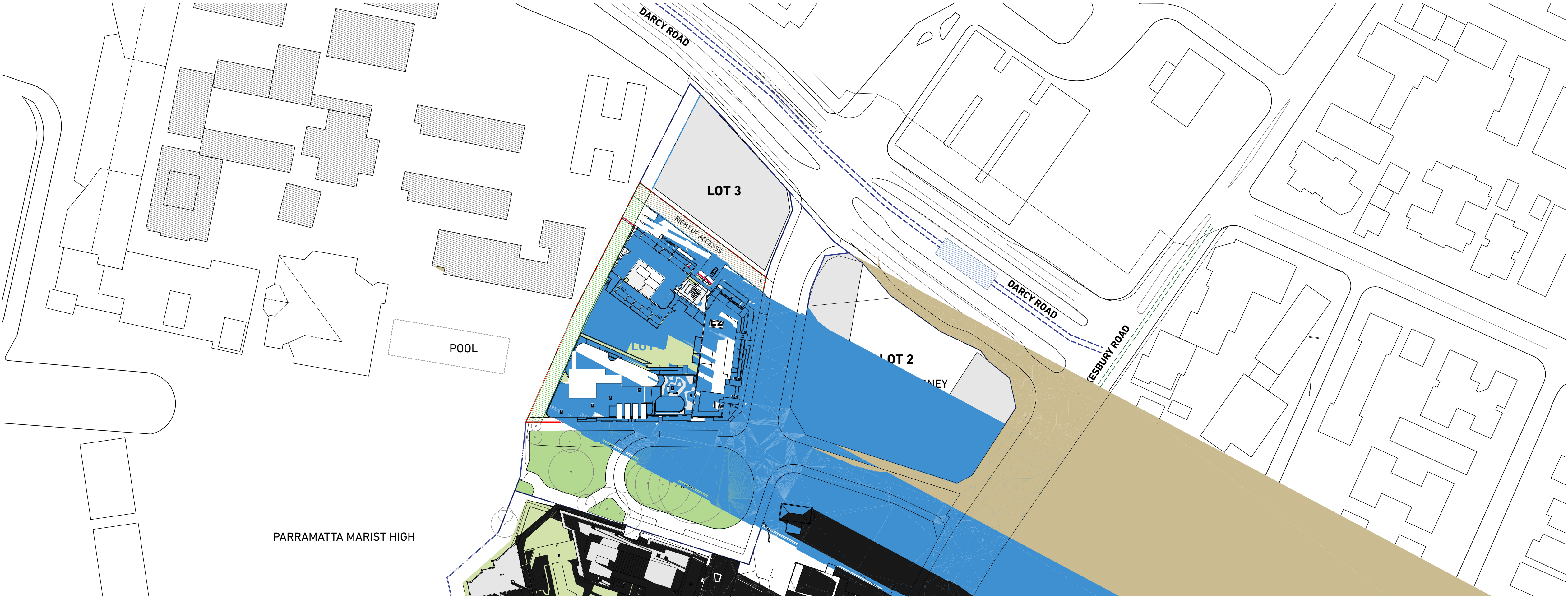
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Shadow Diagram June 21st 7:30am



Shadow Diagram June 21st 4:30pm

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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner 8665, ABA 86 064 084 911

KEY PLAN

LEGEND

LEGEND

- Existing Shadows
- New Shadows
- Lot 2 Indicative Shadows

NOTE:

LOT 2 & 3 INDICATIVE BUILDING ENVELOPES SHOWN

LOT 5 BUILDING FORMS BASED ON RESPONSE TO DEAP MEETING
14/06/2016

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments
V	24.06.17	JM	Development Application Amendments

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Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Shadow Diagrams
June 21 7:30am and 4:30pm

Scale	Project No.	16001	Drawn by	turner	North
1:1000,	Dwg No.	DA-710-004	Rev	V	↑
Status	For Information				

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WINTER SOLSTICE JUNE 21ST.

9:00 AM



WINTER SOLSTICE JUNE 21ST.

10:00 AM



WINTER SOLSTICE JUNE 21ST.

11:00 AM



WINTER SOLSTICE JUNE 21ST.

12:00 PM

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DLGS Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8895, AEN 88 064 084 911

KEY PLAN

LEGEND

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Shadow Diagrams
Sun Eye View Diagram 01

Scale @A1, 50%@A3	Project No. 16001	Drawn by turner	North
Status For Information	Dwg No. DA-715-001	Rev U	

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WINTER SOLSTICE JUNE 21ST.

1:00 PM



WINTER SOLSTICE JUNE 21ST.

2:00 PM



WINTER SOLSTICE JUNE 21ST.

3:00 PM

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DLG Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8695, ABA 88 064 084 911

KEY PLAN

LEGEND

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
U	03.07.17	JM	Development Application Amendments

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Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Shadow Diagrams
Sun Eye View Diagram 02

Scale	Project No.	16001	Drawn by	North
@A1, 50% @A3	Dwg No.	DA-715-002	Rev	U
Status	For Information			

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1 Lower Ground
1:500
TOTAL CROSS VENTILATION : 0



2 Ground
1:500
LOBBY D1: 4
LOBBY D2: 1
LOBBY E1: 2
LOBBY E2: 3
LOBBY F: 4
TOTAL CROSS VENTILATION : 14



3 Level 01
1:500
LOBBY D1: 4
LOBBY D2: 2
LOBBY E1: 2
LOBBY E2: 3
LOBBY F: 4
TOTAL CROSS VENTILATION: 15



4 Level 02
1:500
LOBBY D1: 4
LOBBY D2: 2
LOBBY E1: 3
LOBBY E2: 3
LOBBY F: 4
TOTAL CROSS VENTILATION: 16

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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 28478
Notified Architect: Nicholas Turner, 8895, AEN 88 664 084 911

KEY PLAN

LEGEND
NATURAL CROSS VENTILATION
NATURAL CROSS VENTILATION VIA OPERABLE SKYLIGHTS

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
T	22.06.17	JM	Development Application Amendments
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Solar and Cross Ventilation Diagrams
Cross Ventilation Diagrams Sheet 1
Scale
1:500 @A1, 50% @A3
Project No.
16001
Drawn by
turner
Status
For Information
Dwg No.
DA-720-001
Rev
U
North
↑

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DLGS Quality Endorsed Company ISO 9001:2008, Registration Number 25475
Notified Architect: Nicholas Turner, 8695, AEN, AEN 86 064 084 911

KEY PLAN

LEGEND

↔ NATURAL CROSS VENTILATION



* NATURAL CROSS VENTILATION
VIA OPERABLE SKYLIGHTS

1

Level 03
1:500

LOBBY D1: 4
LOBBY D2: 2
LOBBY E1: 3
LOBBY E2: 3
LOBBY F: 5
TOTAL CROSS VENTILATION : 17

2

Level 04
1:500

LOBBY D1: 4
LOBBY D2: 2
LOBBY E1: 3
LOBBY E2: 3
LOBBY F: 5
TOTAL CROSS VENTILATION: 17

3

Level 05
1:500

LOBBY D1: 4
LOBBY D2: 3
LOBBY E1: 3
LOBBY E2: 3
LOBBY F: 5
TOTAL CROSS VENTILATION: 18

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
T	22.06.17	JM	Development Application Amendments
U	03.07.17	JM	Development Application Amendments

CLIENT
Deicorp
Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Solar and Cross Ventilation Diagrams
Cross Ventilation Diagrams Sheet 2

Scale
1:500 @A1, 50%@A3
Project No. **16001**
Dwg No. **DA-720-002**
Drawn by **turner**
Rev **U**
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DL25 Quality Endorsed Company ISO 9001:2008, Registration Number 25475
Notified Architect: Nicholas Turner, 8895, AEN, AEN 66 664 084 911

KEY PLAN

LEGEND

↔ NATURAL CROSS VENTILATION

* NATURAL CROSS VENTILATION
VIA OPERABLE SKYLIGHTS

CROSS VENTILATION SUMMARY

LOBBY D1:	39
LOBBY D2:	12
LOBBY E1:	26
LOBBY E2:	24
LOBBY F:	38
TOTAL:	139 (60.7%)

Rev.	Date	Approved by	Revision Notes
S	22.12.16	JM	Development Application
T	22.06.17	JM	Development Application Amendments
U	03.07.17	JM	Development Application Amendments

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Level 3, 161 Redfern Street, Redfern
NSW 2016, Australia

Project Title
WSU - Lot 4
158-164 Hawkesbury Road, 2a Darcy Road Westmead NSW 2145 Australia

Drawing Title
Solar and Cross Ventilation Diagrams
Cross Ventilation Diagrams Sheet 3

Scale 1:500 @A1, 50%@A3	Project No. 16001	Drawn by turner	North ↑
Status For Information	Dwg No. DA-720-003	Rev U	

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1

Level 06
1:500

LOBBY D1: 5

LOBBY E1: 3

LOBBY E2: 3

LOBBY F: 5

TOTAL CROSS VENTILATION : 16

2

Level 07
1:500

LOBBY D1: 5

LOBBY E1: 3

LOBBY E2: 3

LOBBY F: 6

TOTAL CROSS VENTILATION: 17

3

Level 08
1:500

LOBBY D1: 5

LOBBY E1: 4

TOTAL CROSS VENTILATION: 9