

SYDNEY INTERNATIONAL CONVENTION,
EXHIBITION AND ENTERTAINMENT PRECINCT
(SICEEP)
DARLING SQUARE
WESTERN PLOT BUILDING W1
DEVELOPMENT APPLICATION



LOCALITY PLAN
N.T.S.

DARLING HARBOUR LIVE

REFERENCE MAP

NOTES:

1. DO NOT SCALE FROM DRAWINGS. USE WRITTEN DIMENSIONS ONLY.

2. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

3. ALL COORDINATES TO MGA. ALL LEVELS TO AHD.

4. ALL DIMENSIONS, COORDINATES AND LEVELS TO BE VERIFIED ON SITE BEFORE PROCEEDING WITH WORK. HYDER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES.

5. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.

6. THIS DRAWING CONTAINS COLOUR AND MUST ONLY BE PRINTED OR COPIED IN COLOUR.

REV	DESCRIPTION	DATE
04	ISSUE FOR DEVELOPMENT APPLICATION	11/09/15
03	ISSUE FOR DEVELOPMENT APPLICATION	04/09/15
02	ISSUE FOR DEVELOPMENT APPLICATION	01/09/15
01	DRAFT ISSUE	19/08/15

CLIENT

urbanest
student accommodation

SUITE 102, LEVEL 1, AUSTRALIA SQUARE,
PLAZA BUILDING, 95 PITT ST
SYDNEY, NSW 2000

CONSULTANTS

ASPECT Studios™
ASPECT STUDIOS
STUDIO 61, LEVEL 6, 61 MARLBOROUGH ST,
SURRY HILLS, NSW 2010

AJ+C
ARCHITECT
79 MYRTLE STREET,
CHIPPENDALE NSW 2008

CIVIL / TRAFFIC / FACADES

HYDER CONSULTING PTY LTD
ABN 76 104 485 289
LEVEL 5, 141 WALKER ST,
NORTH SYDNEY NSW 2060
AUSTRALIA

Tel: +61 (0)2 8907 9000
Fax: +61 (0)2 8907 9001
www.hyderconsulting.com
© Copyright reserved

DRAWING TITLE

**TITLE SHEET AND
LOCALITY PLAN**

STATUS

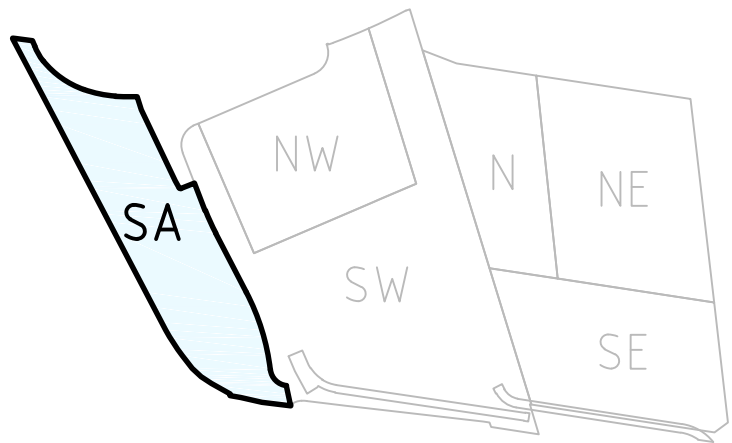
DA APPROVAL

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
N.T.S.	JW	JW	MAK	-

PROJECT NUMBER	DRAWING NUMBER	REV
AA004399	PD-CI-1001	04

GENERAL	
PD-CI-1001	TITLE SHEET AND LOCALITY PLAN
PD-CI-1002	DRAWING LIST
PD-CI-1005	GENERAL NOTES SHEET 1
PD-CI-1006	GENERAL NOTES SHEET 2
PD-CI-1011	GENERAL ARRANGEMENT PLAN
PD-CI-1021	SURVEY AND EXISTING SERVICES PLAN (DBYD)
PD-CI-1022	SURVEY AND EXISTING SERVICES PLAN (ROBERT BIRD GROUP)
SITE PREPARATION	
PD-CI-1151	BULK EARTHWORKS PLAN
SEDIMENT AND EROSION CONTROL	
PD-CI-1201	SEDIMENT AND EROSION CONTROL PLAN
PD-CI-1221	SEDIMENT AND EROSION CONTROL DETAILS
CIVIL WORKS	
PD-CI-1301	CIVIL WORKS AND STORMWATER PLAN
STORMWATER DRAINAGE	
PD-CI-1541	STORMWATER DRAINAGE CATCHMENT PLAN
SERVICES	
PD-CI-1902	COMBINED SERVICES PLAN (ROBERT BIRD GROUP)

DARLING HARBOUR LIVE



NOTES

1. DO NOT SCALE FROM DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ALL COORDINATES TO MGA, ALL LEVELS TO AHD.
4. ALL DIMENSIONS, COORDINATES AND LEVELS TO BE VERIFIED ON SITE BEFORE PROCEEDING WITH WORK. HYDER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES.
5. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.
6. THIS DRAWING CONTAINS COLOUR AND MUST ONLY BE PRINTED OR COPIED IN COLOUR.

04	ISSUE FOR DEVELOPMENT APPLICATION	11/09/15
03	ISSUE FOR DEVELOPMENT APPLICATION	04/09/15
02	ISSUE FOR DEVELOPMENT APPLICATION	01/09/15
01	DRAFT ISSUE	19/08/15
REV	DESCRIPTION	DATE



URBANEST STUDENT ACCOMMODATION
SUITE 102, LEVEL 1, AUSTRALIA SQUARE
PLAZA BUILDING, 95 PITT ST
SYDNEY, NSW 2000

ASPECT Studios™

ASPECT STUDIOS
STUDIO 61, LEVE
SURRY HILL S. NS

AJ+C
Alliance for Justice and Community

ARCHITECT
79 MYRTLE STREET,
CHIPPENDALE NSW 2008

HYDER CONSULTING PTY LTD
ABN 76 104 485 289
LEVEL 5, 141 WALKER ST,
NORTH SYDNEY NSW 2060
AUSTRALIA

Tel: +61 (0)2 8907 9000
Fax: +61 (0)2 8907 9001
www.hyderconsulting.com
© Copyright reserved

PROJECT

SICEEP - DARLING HARBOUR LIVE
DARLING SQUARE
WESTERN PLOT BUILDING W1



DRAWING LIST

STAT 19

DA APPROVAL

SCALE @ A1	DRAWN	DESIGNED	REVIEWED	APPROVED
N.T.S.	JW	JW	MAK	-
PROJECT NUMBER	DRAWING NUMBER			REV
AA004399	PD-CI-1002			04

REFER DRAWING PD-CI-1005 FOR BEGINNING OF NOTES

CONCRETE WORKS NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 1379 AND AS/NZ 3600 AND OTHER APPLICABLE AUSTRALIAN STANDARDS (EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS).

2. QUALITY.
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F _c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS & PITS	32	80	20
RETAINING WALLS	32	80	20

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.

9. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY HYDER CONSULTING.

10. CONCRETE CLASS AND COLOUR.
IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR CONCRETE CLASS AND COLOUR REQUIREMENTS.

11. CEMENT GRADE.
ALL CEMENT IS TO BE SHRINKAGE LIMITED (SL) CEMENT OR GENERAL BLENDED (GB) CEMENT OR TYPE SULPHATE-RESISTING CEMENT (SR) AS REQUIRED COMPLYING WITH AS 3972 U.N.O. ON THE DRAWINGS.

CEMENT TYPE:
60% SL CEMENT
33% FLY ASH
7 % AMORPHOUS SILICA
MINIMUM CEMENT CONTENT = 370kg/m³
MAXIMUM WATER : CEMENT RATIO = 0.45

CONCRETE SUPPLIER MUST PROVIDE CONCRETE MIX CERTIFICATE PRIOR TO
CONSTRUCTION COMMENCING.

12. D' DURABLE CONCRETE. WHERE THE LETTER "D" APPEARS, BESIDE A CONCRETE ELEMENT, THIS INDICATES SPECIAL DURABLE CONCRETE WHERE THE ELEMENT HAS AT LEAST ONE FACE EXPOSED TO THE WEATHER OR POSSIBLE CORROSIVE ATTACK. (THIS SPECIAL REQUIREMENT REQUIRES A SPECIAL TOLERANCE FOR THE COVERS OF -0mm -10mm) PERFORMANCE OF THESE FACES OF CONCRETE. IN PARTICULAR, NO METAL INSERTS, METAL BAR CHAIRS OR METAL FORM SPACES OF ANY KIND ARE TO BE USED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL REINFORCING ENGINEER. TAKE SPECIAL CARE TO AVOID SCRAP THE WIRE OR OTHER MATERIAL BEING PRESENT. ANY OFF-CUTS, SCRAP OR FOREIGN MATERIAL SHALL BE REMOVED BEFORE POUR BEGINS. REFER DRAWINGS FOR LOCATIONS.

13. MAXIMUM SLUMP ALLOWANCE.
CONCRETE SLUMP SHALL BE 80mm IN COMPLIANCE WITH AS 1379 U.N.O. ON THE DRAWINGS.

14. CONCRETE POUR GUIDELINES.
FREE DROPPING OF CONCRETE FROM HEIGHTS GREATER THAN 1000mm IS NOT PERMITTED UNLESS METHOD APPROVED BY THE ENGINEER.

15. MAXIMUM LIFT OF POUR AT ONE TIME FOR CONCRETE ELEMENTS SHALL BE 3000mm UNLESS METHOD OF PLACEMENT HAS BEEN APPROVED BY THE ENGINEER.

16. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED IN THE FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF THE CONCRETE.

17. FORMWORK SHALL BE DESIGNED, CONSTRUCTED AND STRIPPED IN ACCORDANCE WITH AS 3610 AND AS 3600.

18. SURFACES RECEIVING GROUT AND CONSTRUCTION JOINTS SHALL BE LEFT ROUGH AND FREE OF LAITANCE.

19. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S. SPECIFICATION R83.

20. CURING PERIOD.
CONCRETE MUST BE CURED BY AN APPROVED METHOD IN ACCORDANCE WITH THE SPECIFICATION FOR SEVEN (7) DAYS AFTER POURING. CURING COMPOUNDS WHERE APPROVED MUST COMPLY WITH AS 3799.

21. PROPERTIES.
THE PROPERTIES OF THE REINFORCEMENT SHALL BE IN ACCORDANCE WITH
AS/NZS 4671, REINFORCEMENT CLASSIFICATION.

SHAPE	D – DEFORMED. R – ROUND.
STRENGTH GRADE	250,300,500 (LOWER CHARACTERISTICS VALUE OF YIELD STRESS).
DUCTILITY CLASS	L – LOW. N – NORMAL
SIZE OR DIAMETER OF BAR	N12, N16, N20, N24, N28, N32, N36.

CONCRETE WORKS NOTES CONTINUED

22. DUCTILITY CLASS
- N NORMAL DUCTILITY CLASS HOT ROLLED DEFORMED BARS OR MESH TO AS/NZ 4671 WITH $f_{y0} = 500\text{MPa}$
- R NORMAL DUCTILITY CLASS 250N PLAIN ROUND BAR TO AS/NZS 4671 WITH $f_{y0} = 250\text{MPa}$.
- SL DENOTES COLD-DRAWN WIRE REINFORCING FABRIC TO AS 4671. THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 4671

LOW DUCTILITY CLASS 500L REINFORCING MESH OR BAR TO AS/NZS 4671 WITH $f_{sy} = 500\text{MPa}$.
LOW DUCTILITY CLASS L REINFORCEMENT IS NOT TO BE USED OTHER THAN WHERE SHOWN ON DRAWINGS.
THE NUMBER FOLLOWING THE BAR SYMBOL IS THE NOMINAL BAR DIAMETER IN MILLIMETRES (REFER CLAUSE C19 ABOVE).

NUMBER OF BARS IN GROUP γ γ BAR GRADE AND TYPE
17N20-250
NOMINAL BAR SIZE IN mm γ γ SPACING IN mm

23. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL

25mm MINIMUM



LAP 2 WIRES

24. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.

25. SPLICES IN REINFORCEMENT.
- SHALL ONLY BE MADE IN THE POSITIONS SHOWN OR AS OTHERWISE APPROVED BY THE ENGINEER. MINIMUM LAP FOR ALL FABRICS SHALL BE THE SPACING OF TWO TRANSVERSE WIRES PLUS 25mm. GRADE 500N BARS SHALL BE LAPPED IN ACCORDANCE WITH THE TENSION DEVELOPMENT REFERENCE TO STANDARD LAP LENGTH/SPLICE SCHEDULE ON DRAWINGS. TABLES IN REINFORCEMENT SECTION R08.

26. WELDING NOT PERMITTED.
WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT THE
APPROVAL OF THE ENGINEER.

27. REINFORCEMENT SUPPORT.
DURING CONCRETE PLACEMENT ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED AND HELD IN ITS CORRECT POSITION BY APPROVED BARS, CHAIRS, SPACERS OR SUPPORT BARS AT 1000mm MAXIMUM CENTRES. THE CHAIR MATERIAL WITHIN THE COVER ZONE SHALL SUIT THE EXPOSURE CONDITIONS.

28. REINFORCEMENT LENGTHS.
REINFORCEMENT LENGTHS INDICATED ARE IN MILLIMETRES (mm). TURN
DOWNS AND CRANKS ARE NOT INCLUDED IN THE DIMENSION. THE
CONTRACTOR SHALL CHECK ALL LENGTHS BEFORE ORDERING.

29. ALTERNATE BAR PLACEMENT.
BARS SHOWN STAGGERED ON PLAN SHALL BE PLACED ALTERNATELY.

30. BAR DISTRIBUTION.
BARS SHALL BE EVENLY DISTRIBUTED OVER THE WIDTH OF THE STRIP
INDICATED ON THE DRAWINGS U.N.O.

31. EMBEDMENTS.
ALL EMBEDMENTS SHALL BE HOT DIPPED GALVANISED (H.D.G) U.N.O

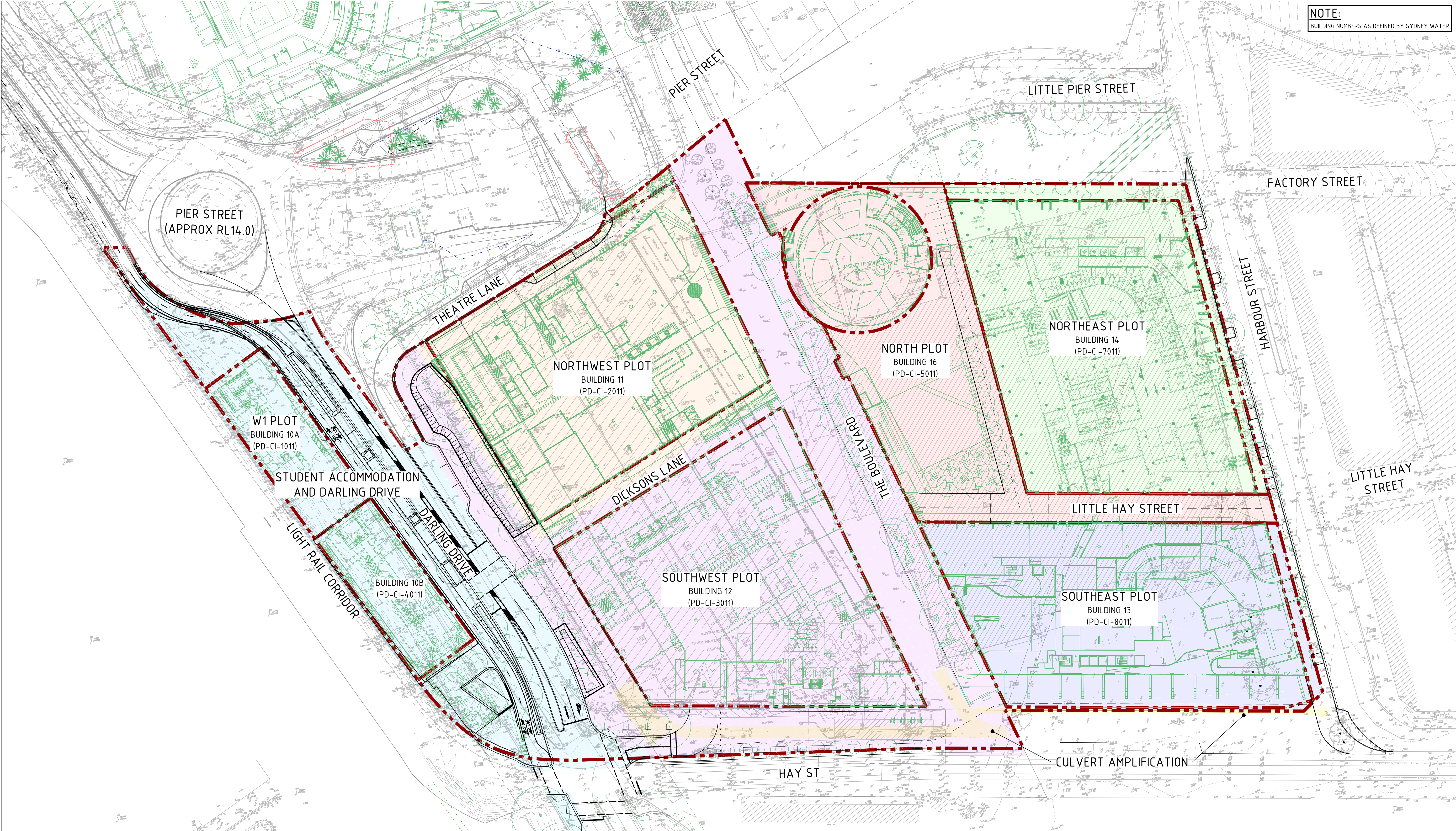
32. CONCRETE BOND SEPARATION.
CONCRETE SHALL BE SEPARATED FROM SUPPORTING MASONRY BY TWO LAYERS OF MALTHOID (OR AN APPROVED EQUIVALENT). VERTICAL JOINTS IN CONCRETE EXCEPT FOR CONSTRUCTION JOINTS (C/J'S) SHALL BE KEPT FREE OF ADJOINING SURFACES BY 10mm THICKNESS OF ABLEFLEX (OR APPROVED EQUIVALENT) U.N.O. ON DRAWINGS.

33. CONCRETE SHRINKAGE.
SHRINKAGE OF CONCRETE SHALL NOT EXCEED 650 MICROSTRAN AT 56 DAYS.
SUBMIT SAMPLES OF SHRINKAGE TESTS WITH (MIX DESIGN) FOR APPROVAL
PRIOR TO COMMENCEMENT OF CONCRETE WORKS.

STRUCTURAL INSPECTIONS

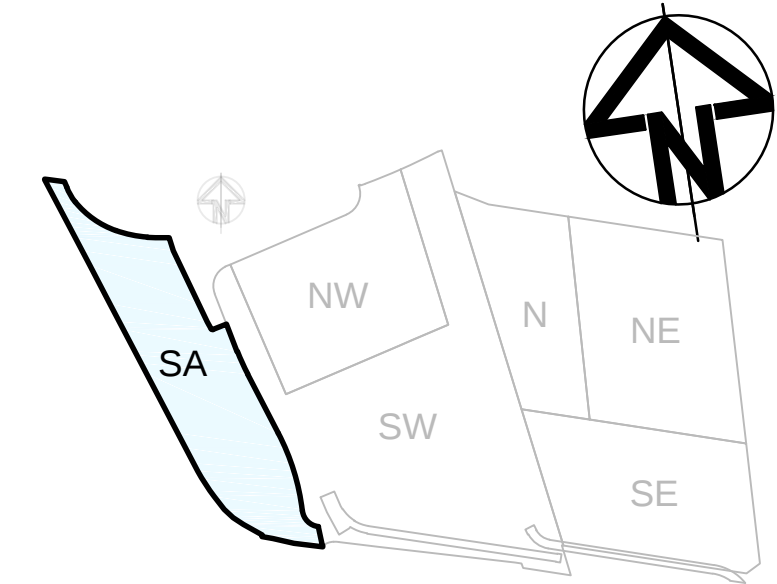
1. STRUCTURAL INSPECTIONS ARE REQUIRED FOR STRUCTURES WHERE NOTED ON PLANS OR REQUIRED BY COUNCIL.

2. 48 HOURS NOTICE IS REQUIRED BY HYDER CONSULTING FOR ALL INSPECTIONS.



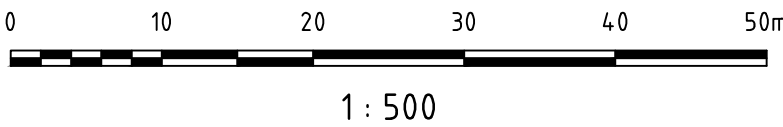
DARLING HARBOUR LIVE

REFERENCE MAP



NOTES:

1. DO NOT SCALE FROM DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
4. ALL DIMENSIONS, COORDINATES AND LEVELS TO BE VERIFIED ON SITE BEFORE PROCEEDING WITH WORK. HYDER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES.
5. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.
6. THIS DRAWING CONTAINS COLOUR AND MUST ONLY BE PRINTED OR COPIED IN COLOUR.



REV	DESCRIPTION	DATE
04	ISSUE FOR DEVELOPMENT APPLICATION	11/09/15
03	ISSUE FOR DEVELOPMENT APPLICATION	04/09/15
02	ISSUE FOR DEVELOPMENT APPLICATION	01/09/15
01	DRAFT ISSUE	19/08/15

CLIENT

urbanest
student accommodation
SUITE 102, LEVEL 1, AUSTRALIA SQUARE,
PLAZA BUILDING, 95 PITT ST
SYDNEY, NSW 2000

CONSULTANTS

ASPECT Studios™

ASPECT STUDIOS
STUDIO 61, LEVEL 6, 61 MARLBOROUGH ST,
SURRY HILLS, NSW 2010

AJ+C
ARCHITECT

79 MYRTLE STREET,
CHIPPENDALE NSW 2008

CIVIL / TRAFFIC / FACADES

HYDER CONSULTING PTY LTD
ABN 76 104 485 289
LEVEL 5, 141 WALKER ST,
NORTH SYDNEY NSW 2060
AUSTRALIA

Tel: +61 (0)2 8907 9000
Fax: +61 (0)2 8907 9001
www.hyderconsulting.com
© Copyright reserved

PROJECT

**SICEP - DARLING HARBOUR LIVE
DARLING SQUARE
WESTERN PLOT BUILDING W1**

DRAWING TITLE

**GENERAL ARRANGEMENT
PLAN**

STATUS

DA APPROVAL

SCALE @ A1

1 : 500

PROJECT NUMBER
AA004399

DRAWN

JW

DESIGNED

JW

REVIEWED

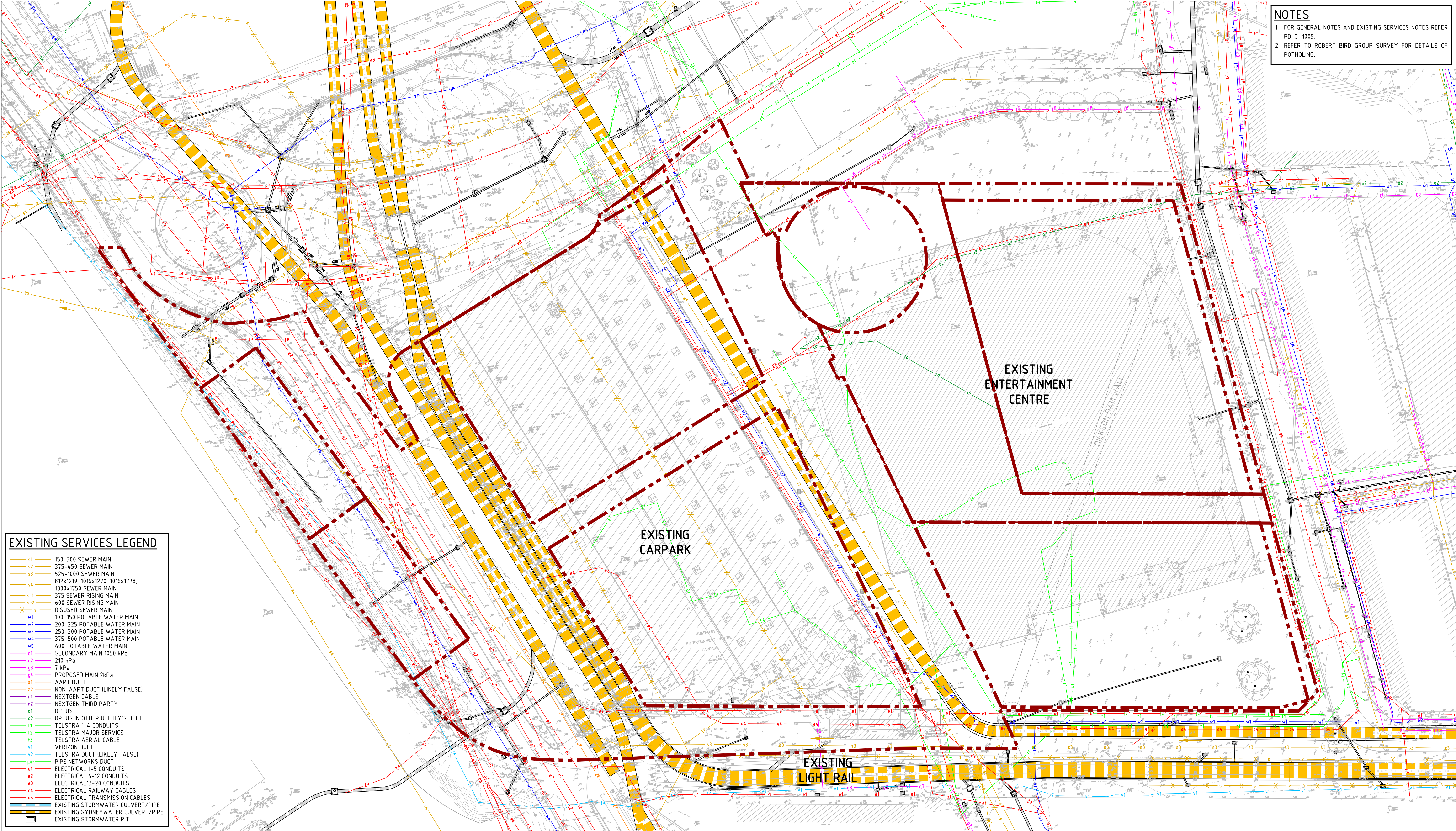
MAK

APPROVED

-

REV

04



NOTES

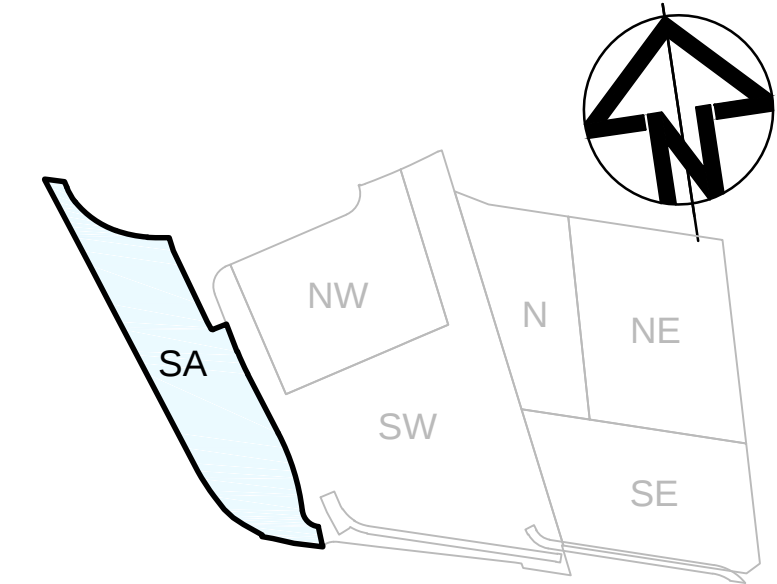
1. FOR GENERAL NOTES AND EXISTING SERVICES NOTES REFER PD-CI-1005.

2. REFER TO ROBERT BIRD GROUP SURVEY FOR DETAILS OF POTHOLING.

EXISTING SERVICES LEGEND	
s1	150-300 SEWER MAIN
s2	375-450 SEWER MAIN
s3	525-1000 SEWER MAIN
s4	812x1219, 1016x1270, 1016x1778, 1300x1750 SEWER MAIN
sr1	375 SEWER RISING MAIN
sr2	600 SEWER RISING MAIN
s	DISUSED SEWER MAIN
w1	100, 150 POTABLE WATER MAIN
w2	200, 225 POTABLE WATER MAIN
w3	250, 300 POTABLE WATER MAIN
w4	375, 500 POTABLE WATER MAIN
w5	600 POTABLE WATER MAIN
g1	SECONDARY MAIN 1050 kPa
g2	210 kPa
g3	7 kPa
g4	PROPOSED MAIN 2kPa
a1	AAPT DUCT
a2	NON-AAPT DUCT (LIKELY FALSE)
n1	NEXTGEN CABLE
n2	NEXTGEN THIRD PARTY
o1	OPTUS
o2	OPTUS IN OTHER UTILITY'S DUCT
t1	TELSTRA 1-4 CONDUITS
t2	TELSTRA MAJOR SERVICE
t3	TELSTRA AERIAL CABLE
v1	VERIZON DUCT
v2	TELSTRA DUCT (LIKELY FALSE)
pn	PIPE NETWORKS DUCT
e1	ELECTRICAL 1-5 CONDUITS
e2	ELECTRICAL 6-12 CONDUITS
e3	ELECTRICAL 13-20 CONDUITS
e4	ELECTRICAL RAILWAY CABLES
e5	ELECTRICAL TRANSMISSION CABLES
sw	EXISTING STORMWATER CULVERT/PIPE
sy	EXISTING SYDNEY WATER CULVERT/PIPE
sp	EXISTING STORMWATER PIT

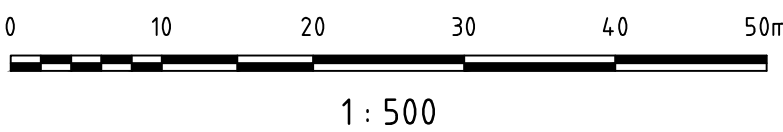
DARLING HARBOUR LIVE

REFERENCE MAP



NOTES:

1. DO NOT SCALE FROM DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ALL COORDINATES TO MGA. ALL LEVELS TO AHD.
4. ALL DIMENSIONS, COORDINATES AND LEVELS TO BE VERIFIED ON SITE BEFORE PROCEEDING WITH WORK. HYDER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES.
5. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.
6. THIS DRAWING CONTAINS COLOUR AND MUST ONLY BE PRINTED OR COPIED IN COLOUR.



REV	DESCRIPTION	DATE
04	ISSUE FOR DEVELOPMENT APPLICATION	11/09/15
03	ISSUE FOR DEVELOPMENT APPLICATION	04/09/15
02	ISSUE FOR DEVELOPMENT APPLICATION	01/09/15
01	DRAFT ISSUE	19/08/15

CLIENT

urbanest
student accommodation
SUITE 102, LEVEL 1, AUSTRALIA SQUARE,
PLAZA BUILDING, 95 PITT ST
SYDNEY, NSW 2000

CONSULTANTS

ASPECT Studios™
ASPECT STUDIOS
STUDIO 61, LEVEL 6, 61 MARLBOROUGH ST,
SURRY HILLS, NSW 2010

AJ+C
ARCHITECT
79 MYRTLE STREET,
CHIPPENDALE NSW 2008

CIVIL / TRAFFIC / FACADES

HYDER CONSULTING PTY LTD
ABN 76 104 485 289
LEVEL 5, 141 WALKER ST,
NORTH SYDNEY NSW 2060
AUSTRALIA

Tel: +61 (0)2 8907 9000
Fax: +61 (0)2 8907 9001
www.hyderconsulting.com
© Copyright reserved

PROJECT

SICEEP - DARLING HARBOUR LIVE
DARLING SQUARE
WESTERN PLOT BUILDING W1



DRAWING TITLE

SURVEY AND EXISTING SERVICES PLAN (DBYD)

STATUS

DA APPROVAL

SCALE @ A1

1 : 500

PROJECT NUMBER
AA004399

DRAWN

JW

DESIGNED

JW

REVIEWED

MAK

APPROVED

-

DRAWING NUMBER
PD-CI-1021

REV
04