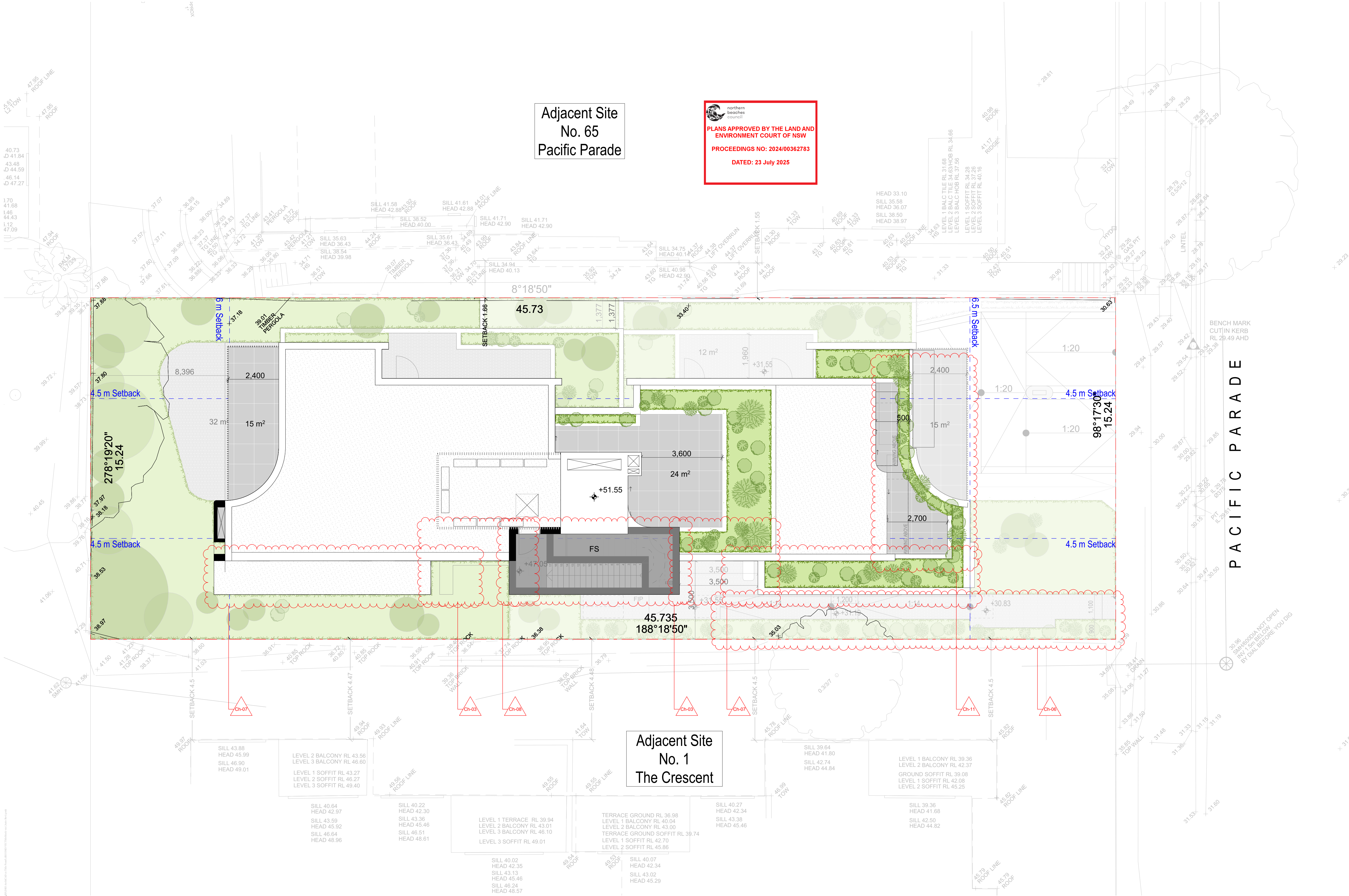




Adjacent Site
No. 65
Pacific Parade

northern beaches council
PLANS APPROVED BY THE LAND AND ENVIRONMENT COURT OF NSW
PROCEEDINGS NO: 2024/00362783
DATED: 23 July 2025

Adjacent Site
No. 1
The Crescent

Rev	Date	By	Chk	Description
A	17/07/2024	OD	MW	DA ISSUE
B	26/02/2025	OD	JB	DA ISSUE
C	8/04/2025	OD		DA ISSUE

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David Randerson 8542

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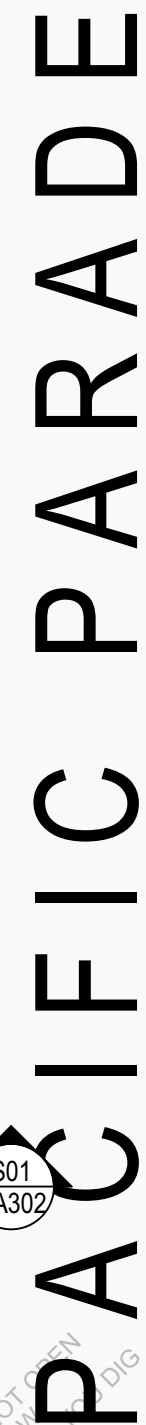
Project Name	67 Pacific Parade, Dee Why	Project Number	00013395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Site Plan
		Scale	1:75@A3
		Date	8/04/2025
Client	Adjani	Drawing Number	DA101
		Revision	C

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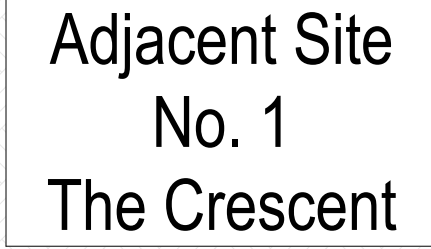
Project Name	67 Pacific Parade, Dee Why	Project Number	00013395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Basement Level
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		Date	8/04/2025
Client	Adjani	Drawing Number	DA200
		Revision	B

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beaches
council

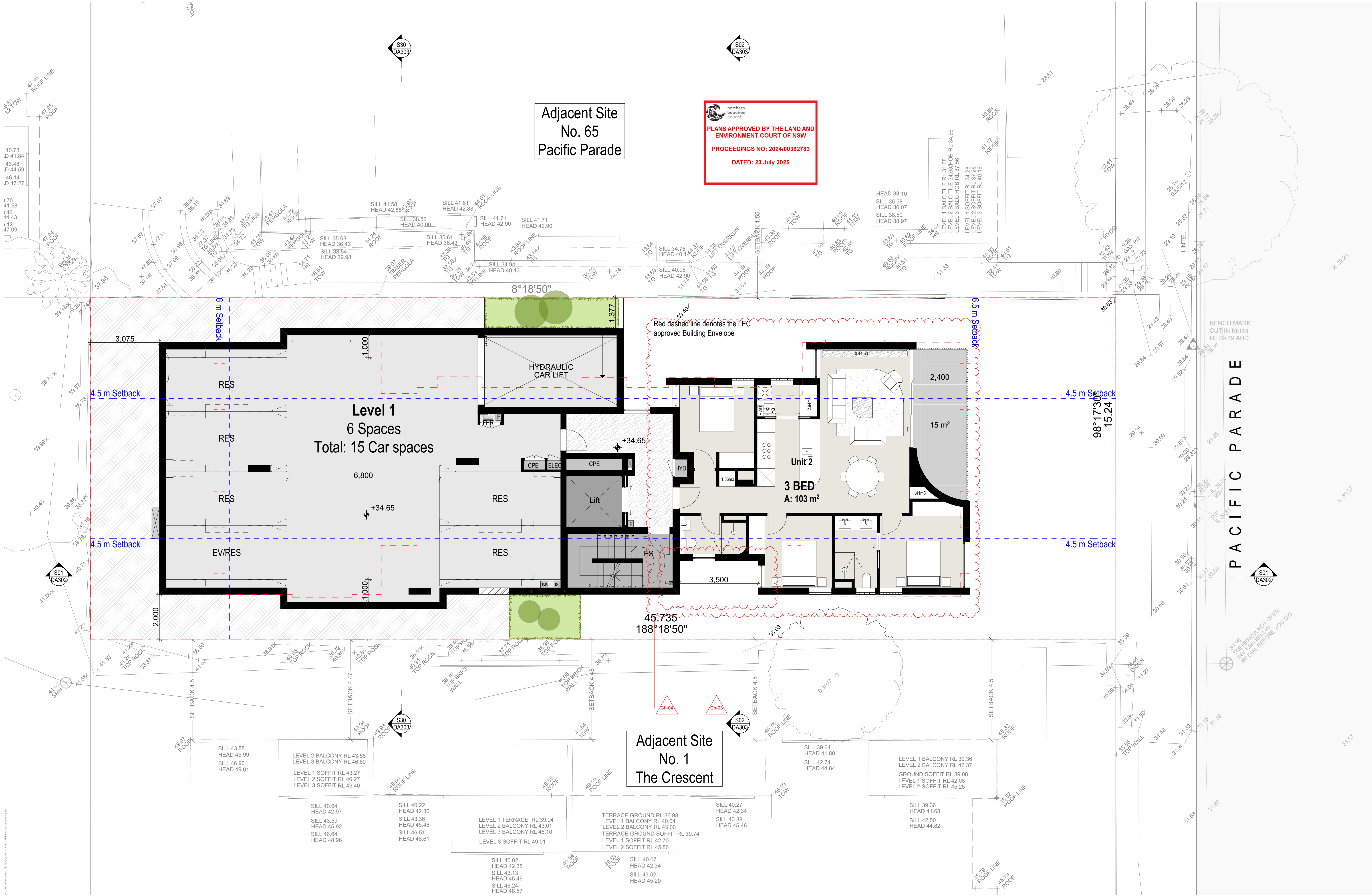
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PROCEEDINGS NO: 2024/00362783

DATED: 23 July 2025



Project Name	67 Pacific Parade, Dee Why	Project Number	00043395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Ground Floor Plan
		Scale	1:75 @A3
		Date	8/04/2025
Client	Adjani	Drawing Number	DA201
		Revision	C

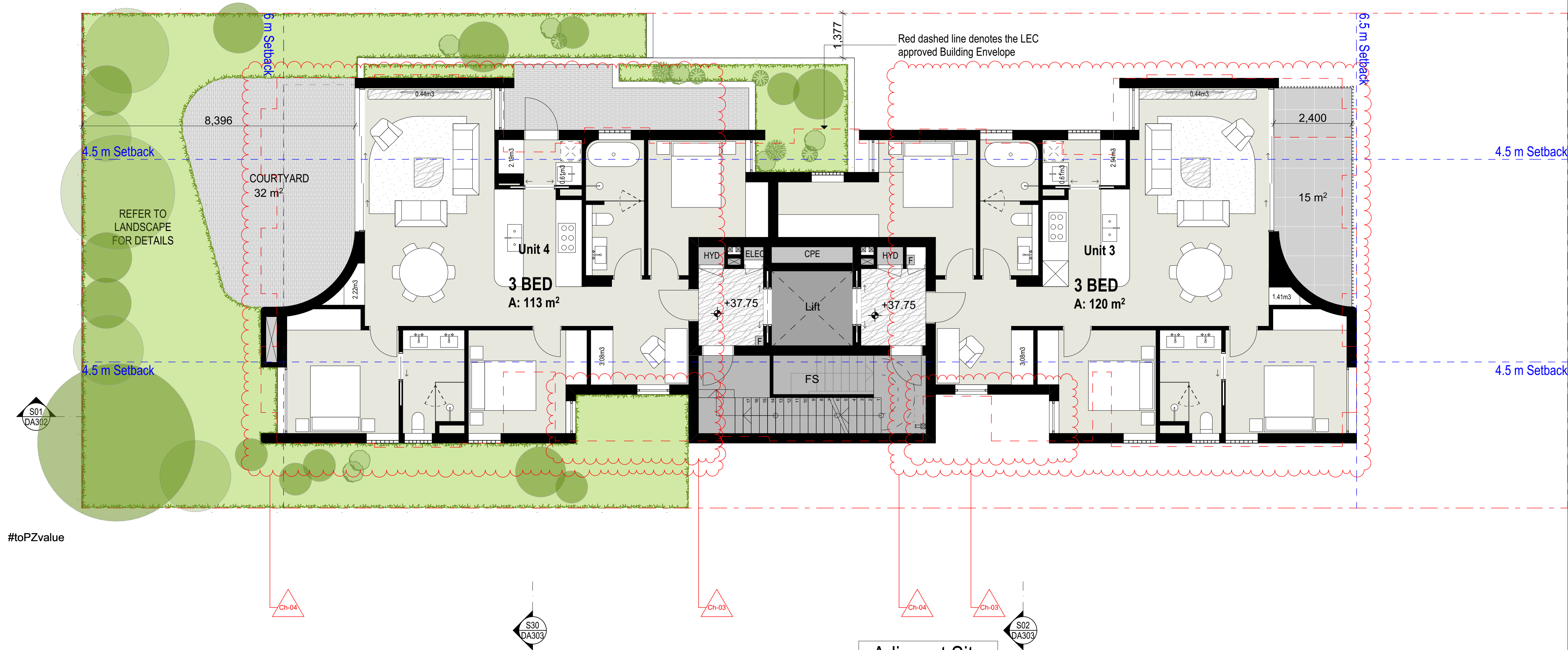


S30
DA303

S02
DA303

Adjacent Site
No. 65
Pacific Parade

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PROCEEDINGS NO: 2024/00362783
DATED: 23 July 2025



#toPZvalue

Adjacent Site
No. 1
The Crescent

PACIFIC PARADE

S01
DA302

S30
DA303

S02
DA303

Project Name: 67 Pacific Parade, Dee Why, NSW 2099
Project Address: 67 Pacific Parade, Dee Why, NSW 2099
Drawing Name: Level 2 Plan
Scale: 1:75@A3
Date: 8/04/2025

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C	8/04/2025	OD		DA ISSUE

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Project Name
Project Address

67 Pacific Parade, Dee Why, NSW 2099

Client

Adjani

Project Number
Drawing Name
Scale
Date

00013395
Level 2 Plan
1:75@A3
8/04/2025

Drawing Number
Revision

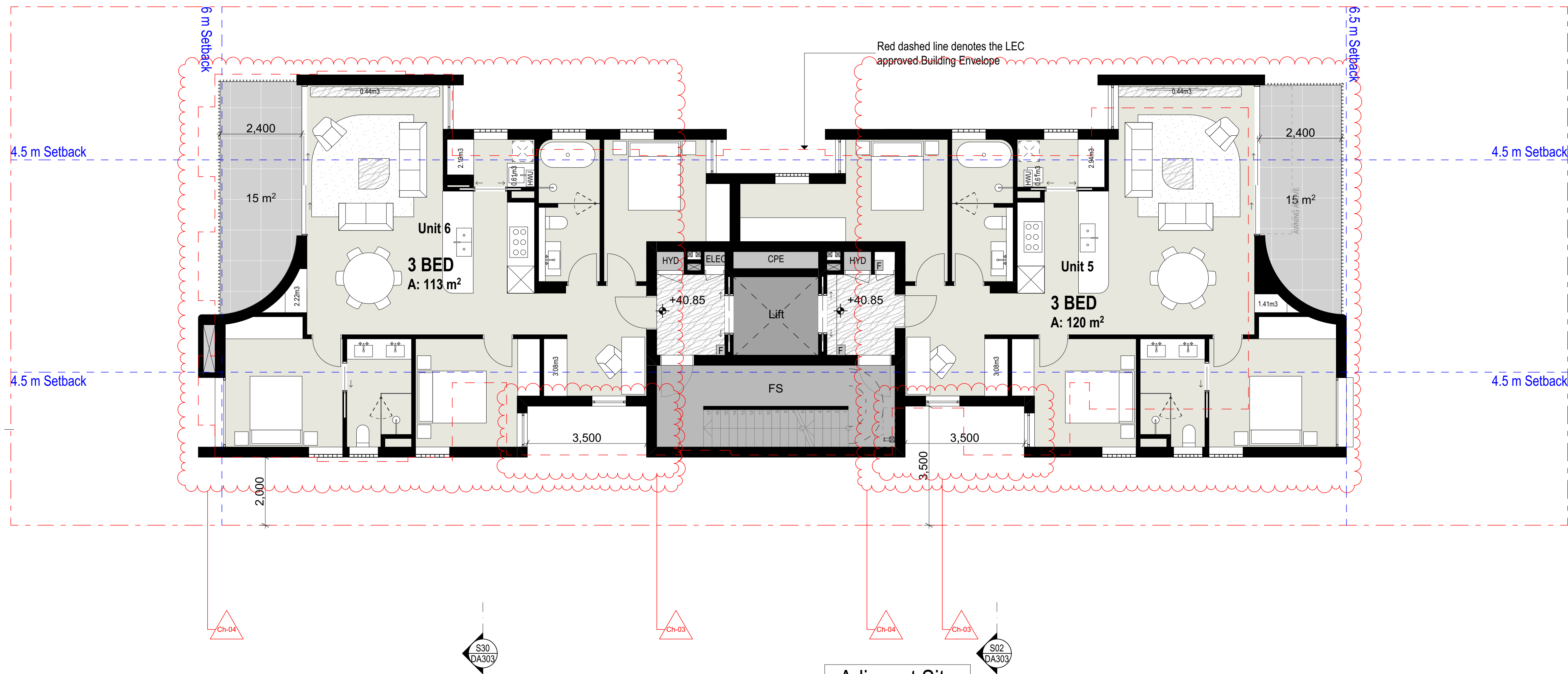
DA203
C

S30
DA303

S02
DA303

Adjacent Site
No. 65
Pacific Parade

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PROCEEDINGS NO: 2024/00362783
DATED: 23 July 2025



PACIFIC PARADE

S01
DA302

S01
DA302

S30
DA303

S02
DA303

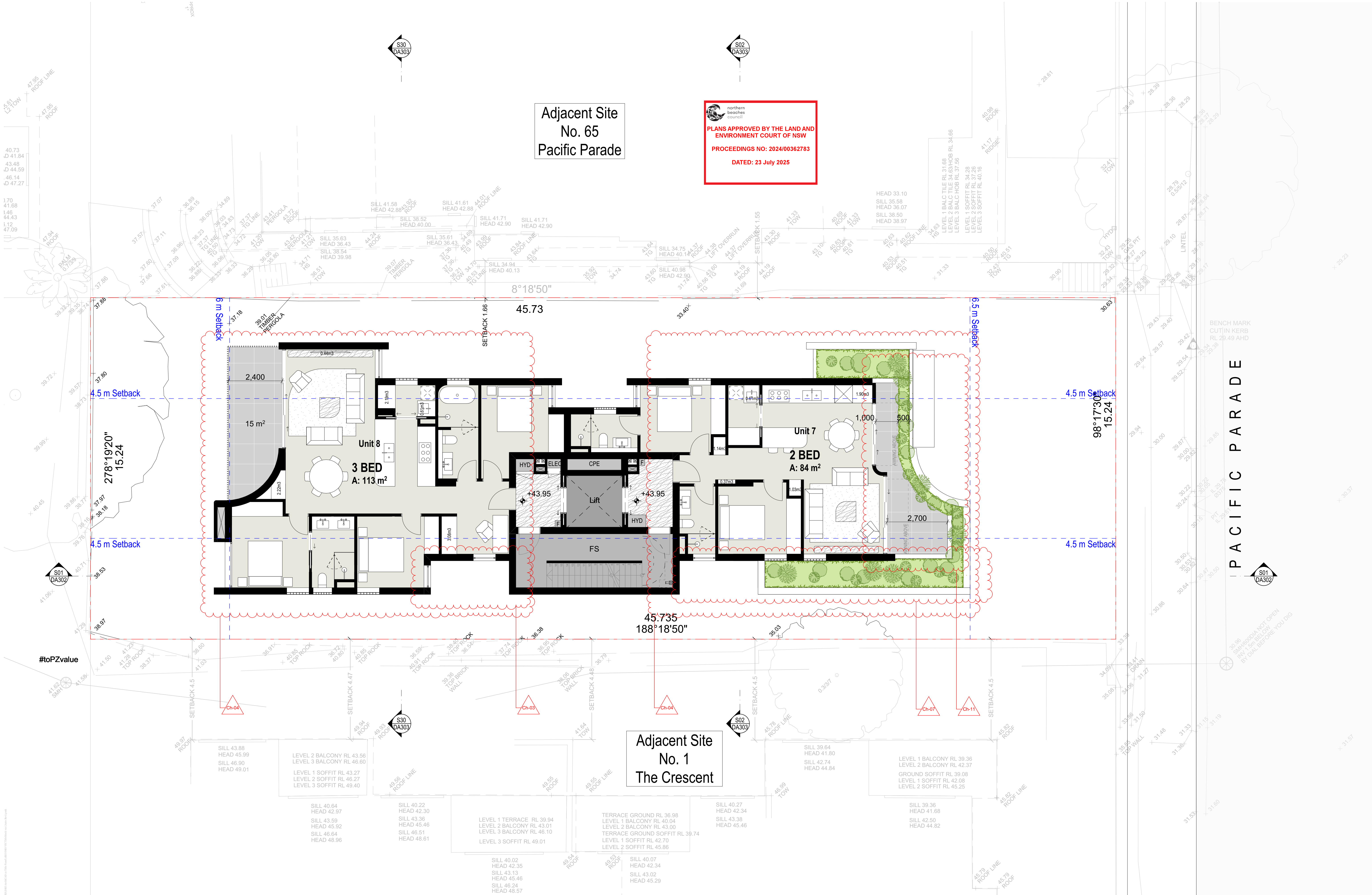
Adjacent Site
No. 1
The Crescent

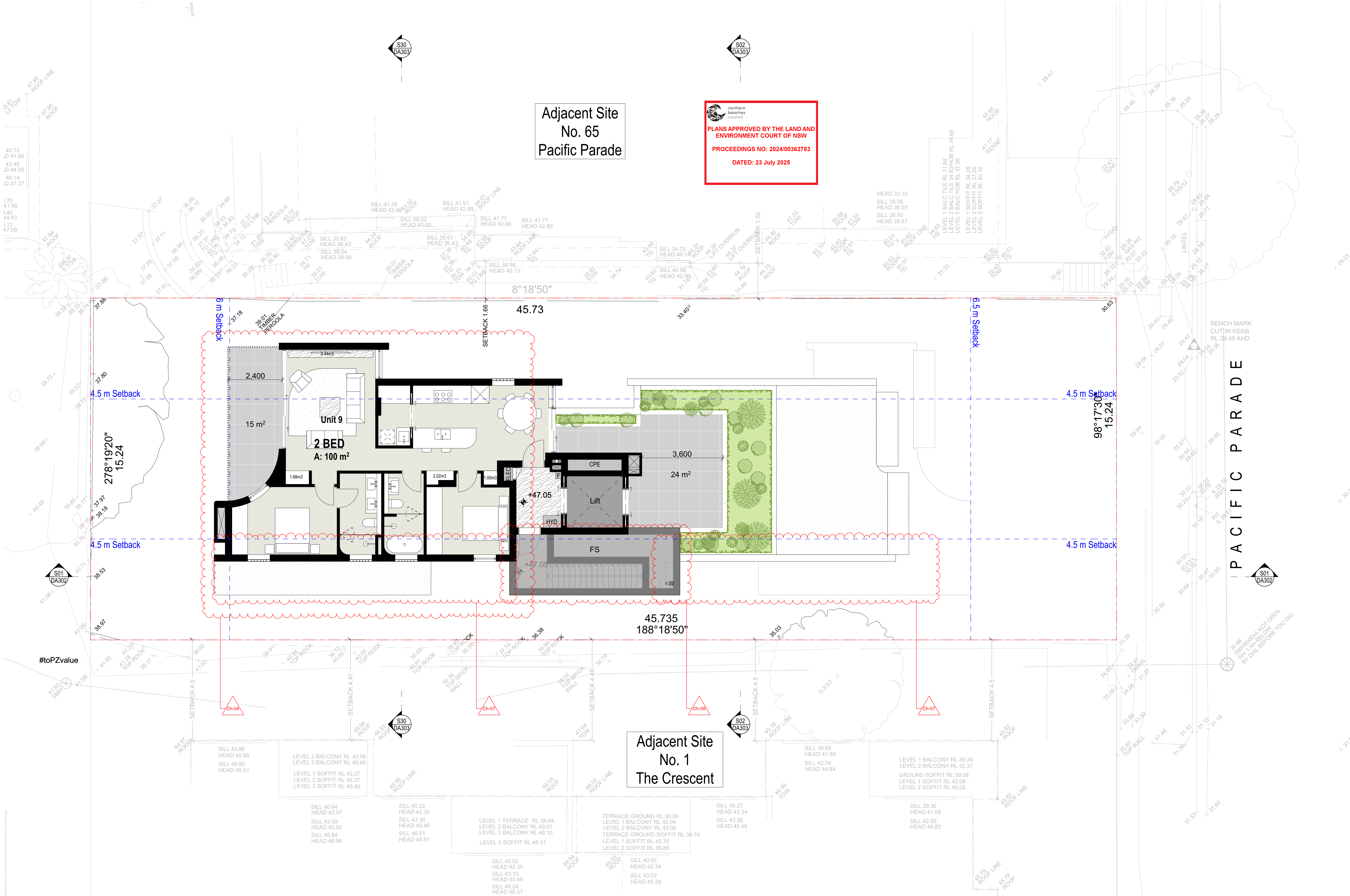
Rev	Date	By	Chk	Description
A	17/07/2024	OD	MW	DA ISSUE
B	26/02/2025	OD	JB	DA ISSUE
C	8/04/2025	OD		DA ISSUE

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Project Name	67 Pacific Parade, Dee Why, NSW 2099	Project Number	00013395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Level 3 Plan
Client	Adjani	Scale	1:75@A3
		Date	8/04/2025
		Drawing Number	DA204
		Revision	C





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No. 65
Pacific Parade

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DATED: 23 July 2025

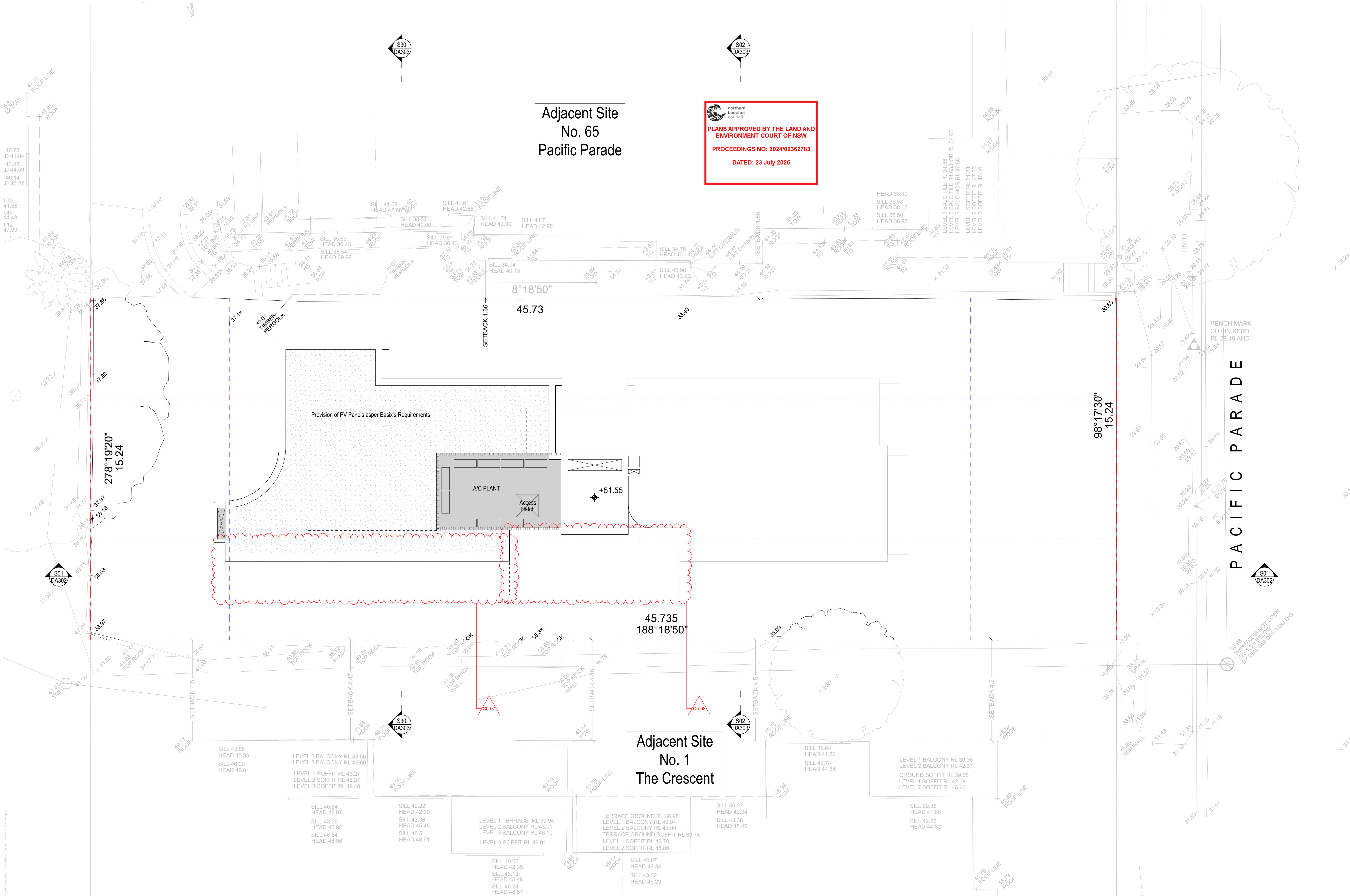
Adjacent Site
No. 1
The Crescent

Rev	Date	By	Chk	Description
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B	26/02/2025	OD	JB	DA ISSUE
C	8/04/2025	OD		DA ISSUE

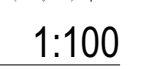
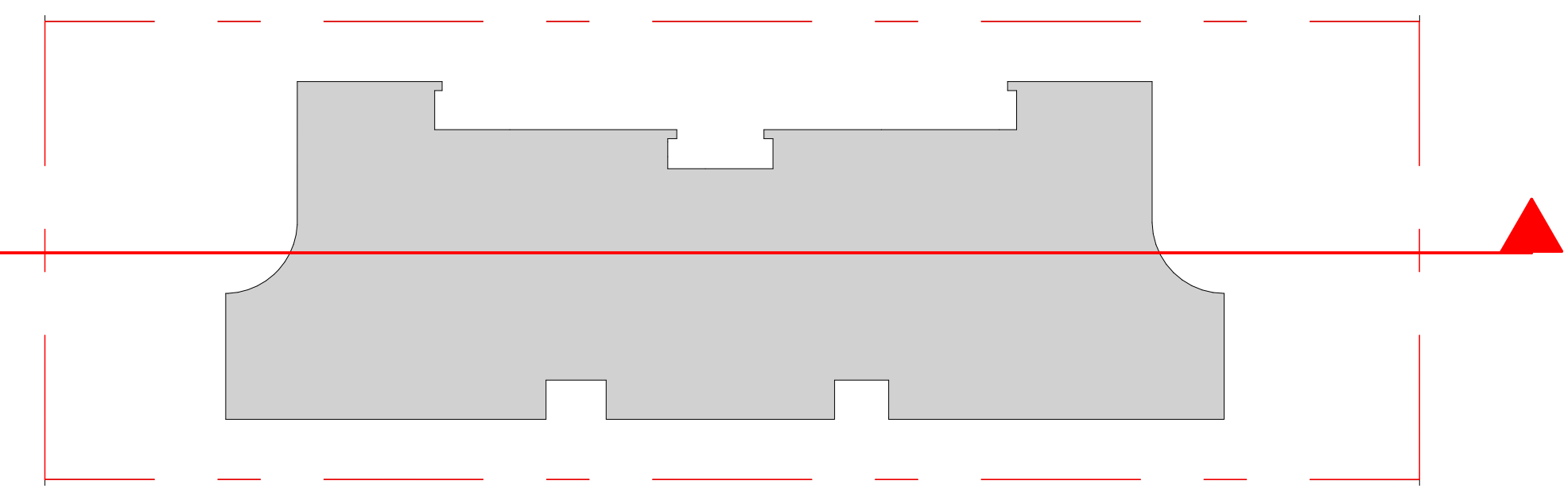
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Project Name	67 Pacific Parade, Dee Why	Project Number	00013395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Level 5 Plan
		Scale	1:75@A3
		Date	8/04/2025
Client	Adjani	Drawing Number	DA206
		Revision	C



S-01 ▲



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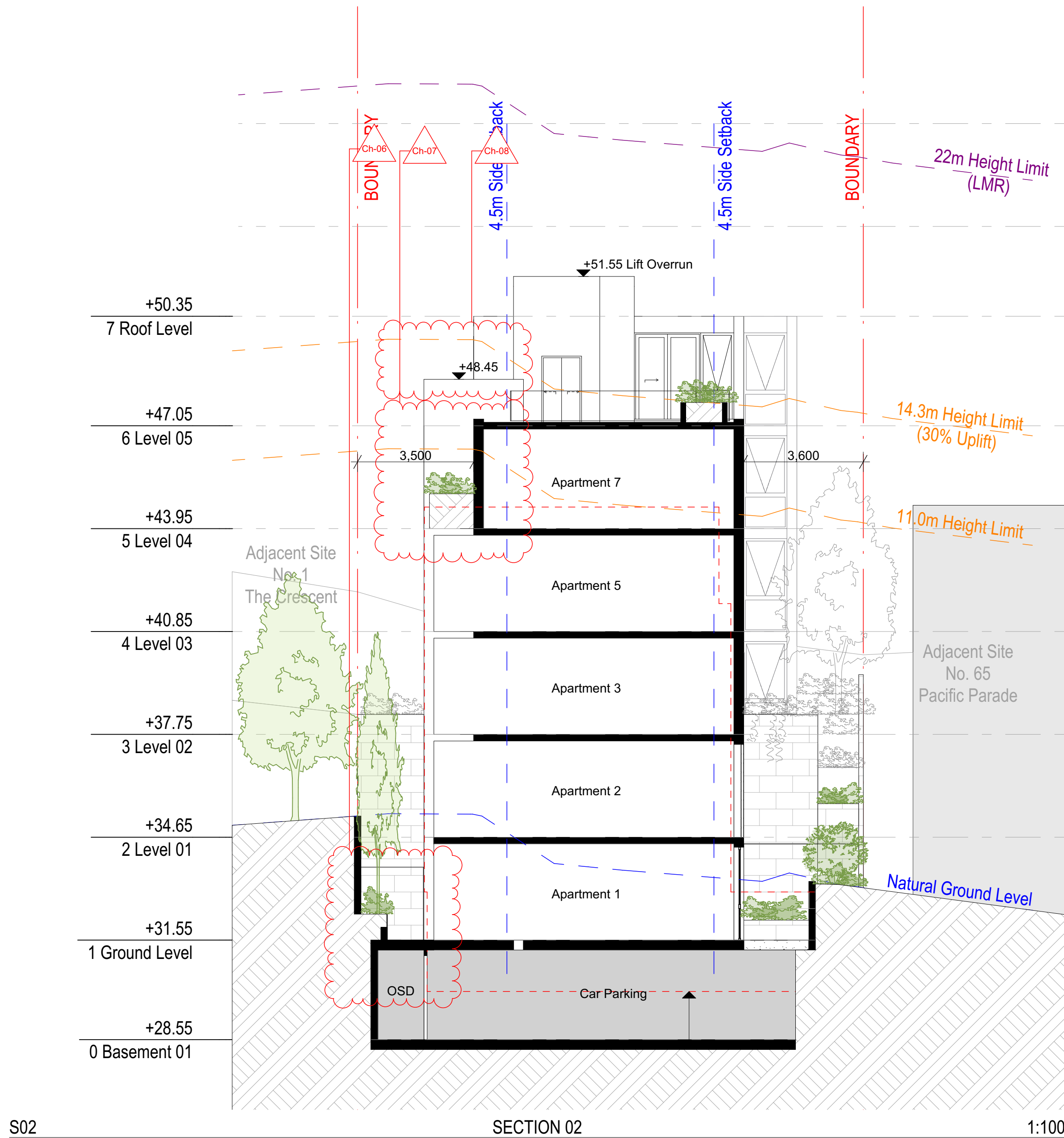
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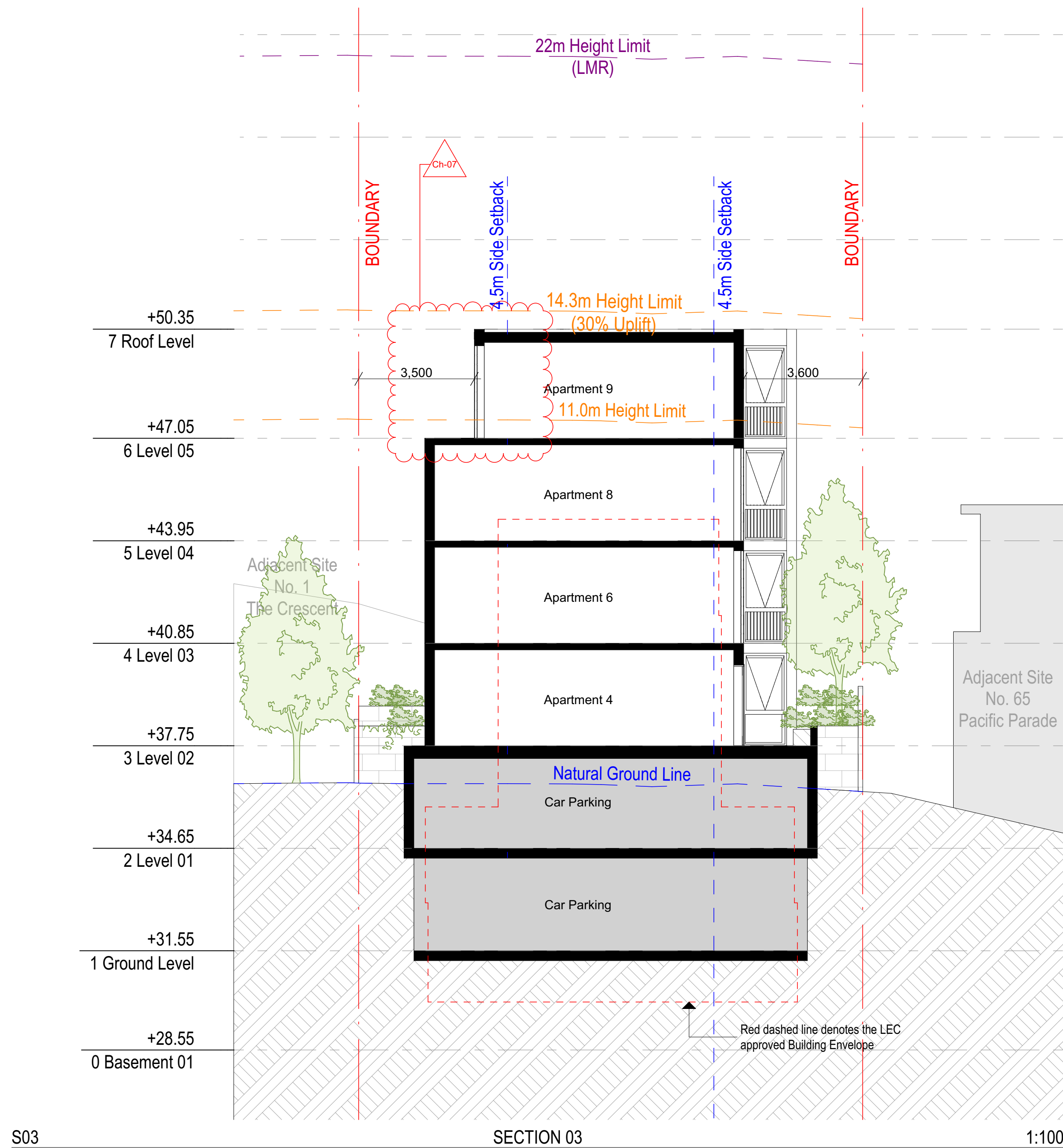
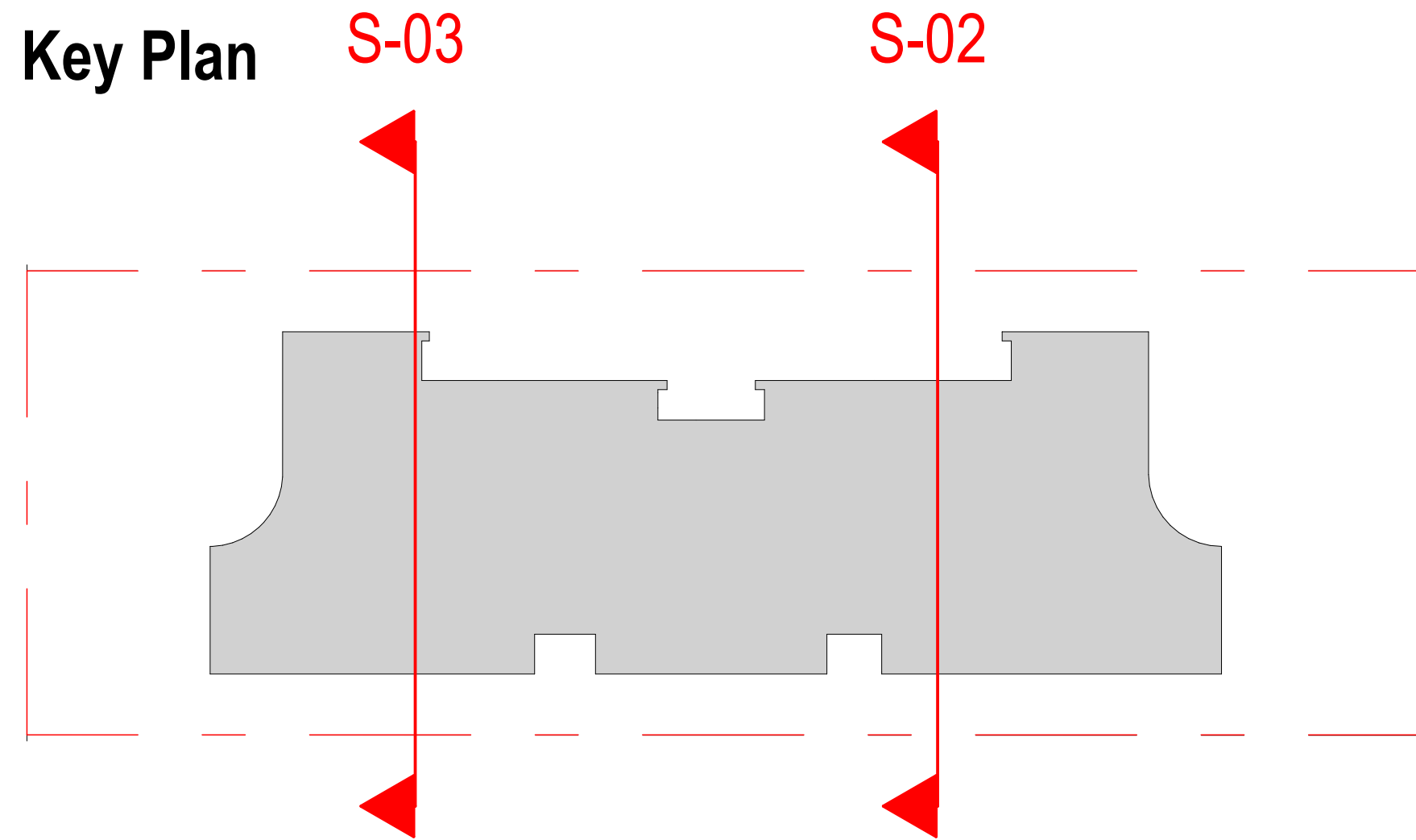
Project: 67 Pacific Parade, Dee Why, NSW 2099
Drawing: DA303 C
Scale: 1:100
Date: 8/04/2025
Author: DKO Architecture (NSW) Pty Ltd
Check: DKO Architecture (NSW) Pty Ltd
Approved: DKO Architecture (NSW) Pty Ltd

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S02 SECTION 02 1:100



S03 SECTION 03 1:100

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Project Name
Project Address

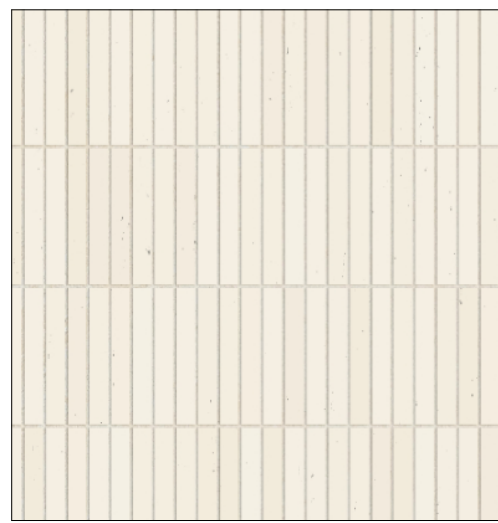
67 Pacific Parade, Dee Why, NSW 2099

Project Number
Drawing Name
Scale
Date

00013395
Section East-West
1:100, 1:200@A3
8/04/2025

Client
Adjani

Drawing Number
Revision
**DA303
C**



EF01
LIGHT BRICK



EF02
BRONZE METAL
CLADDING



EF05
BRONZE METAL
BALUSTRADE



EF06
CONCRETE



EF07
GLASS

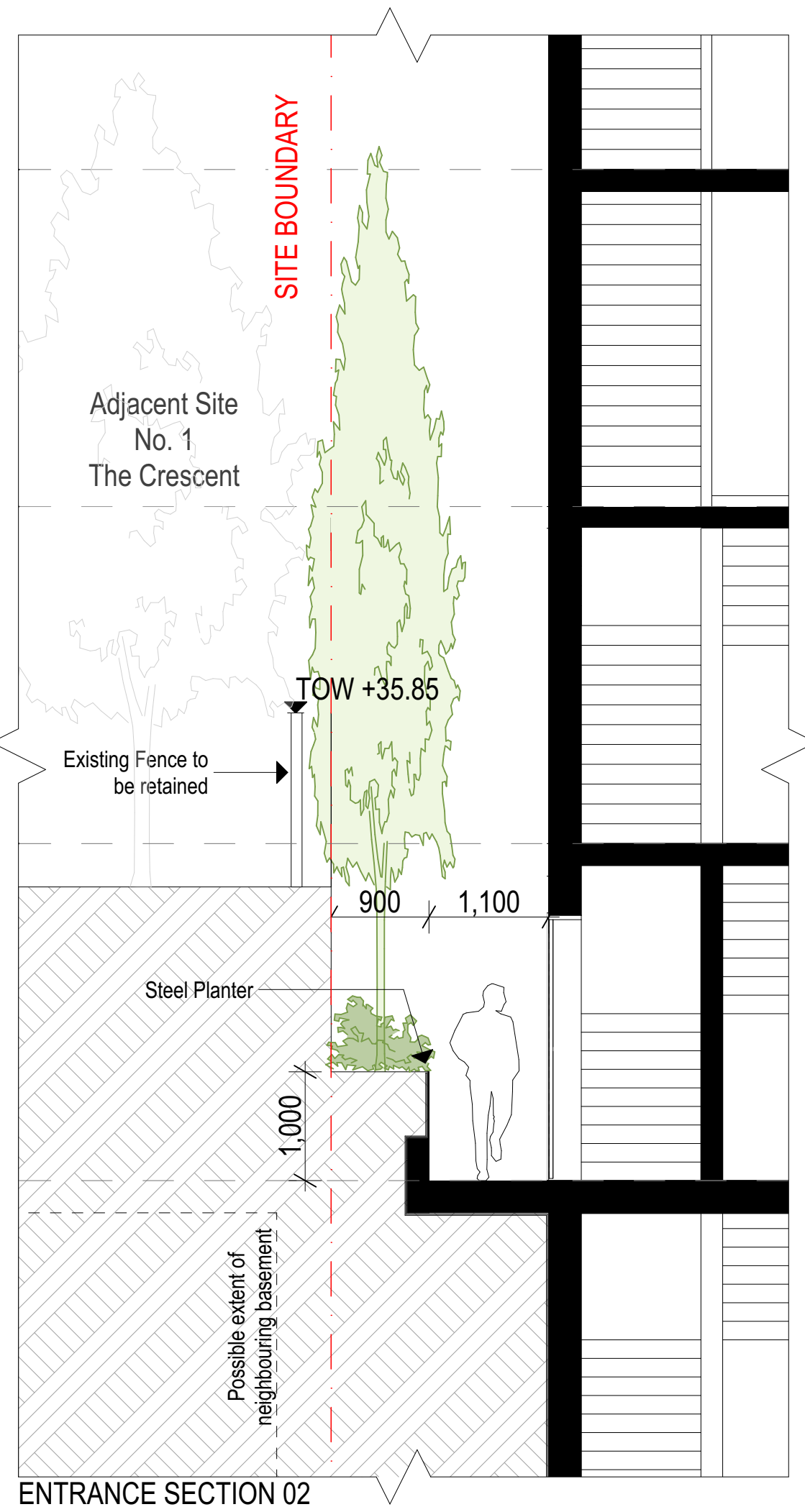
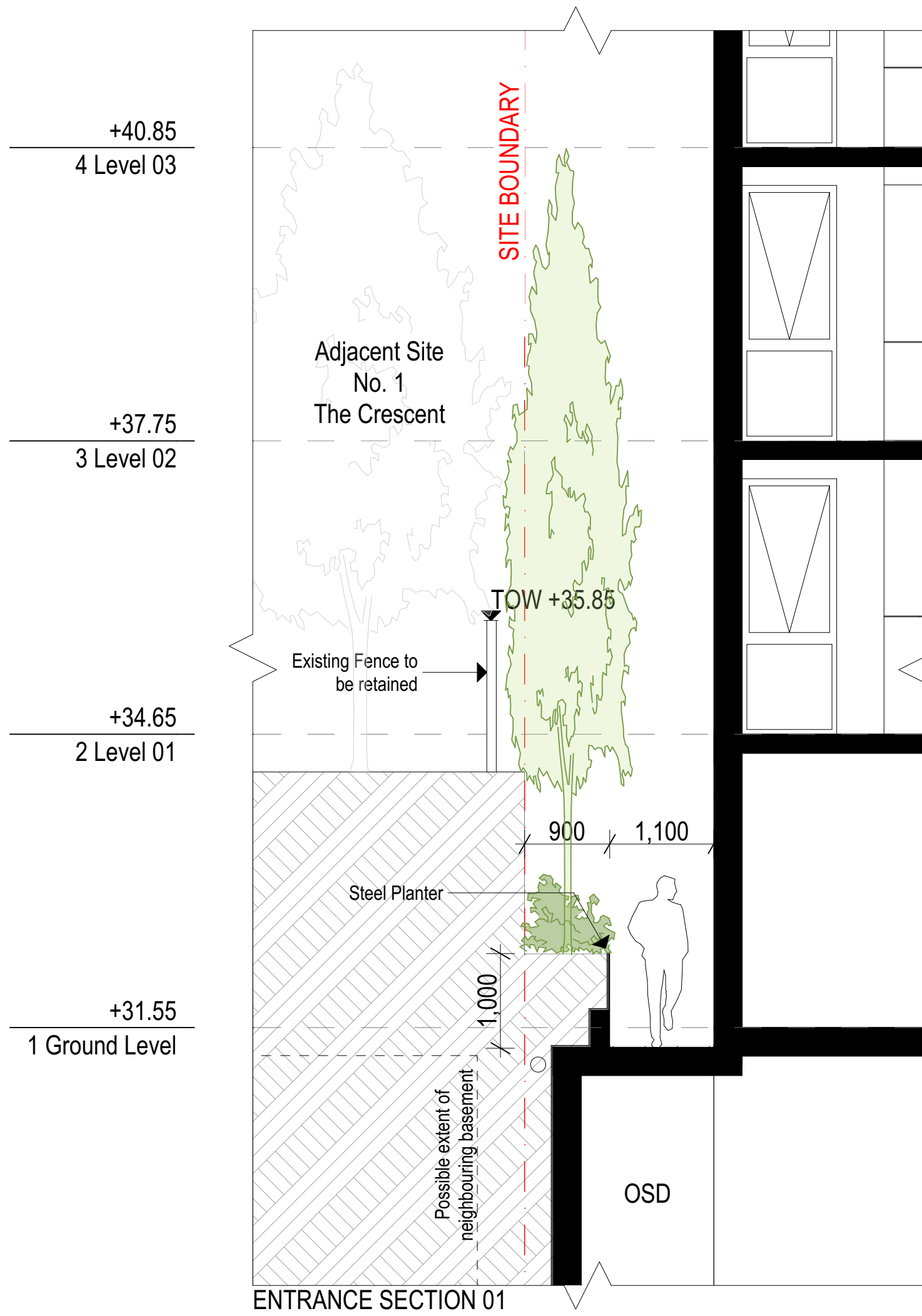
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C	8/04/2025	OD		DA ISSUE

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Project Name	67 Pacific Parade, Dee Why, NSW 2099	Project Number	00013395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Materials & Finishes
Client	Adjani	Scale	1:1.61, 1:0.71, 1:0.37@A3
		Date	8/04/2025
		Drawing Number	DA304
		Revision	C

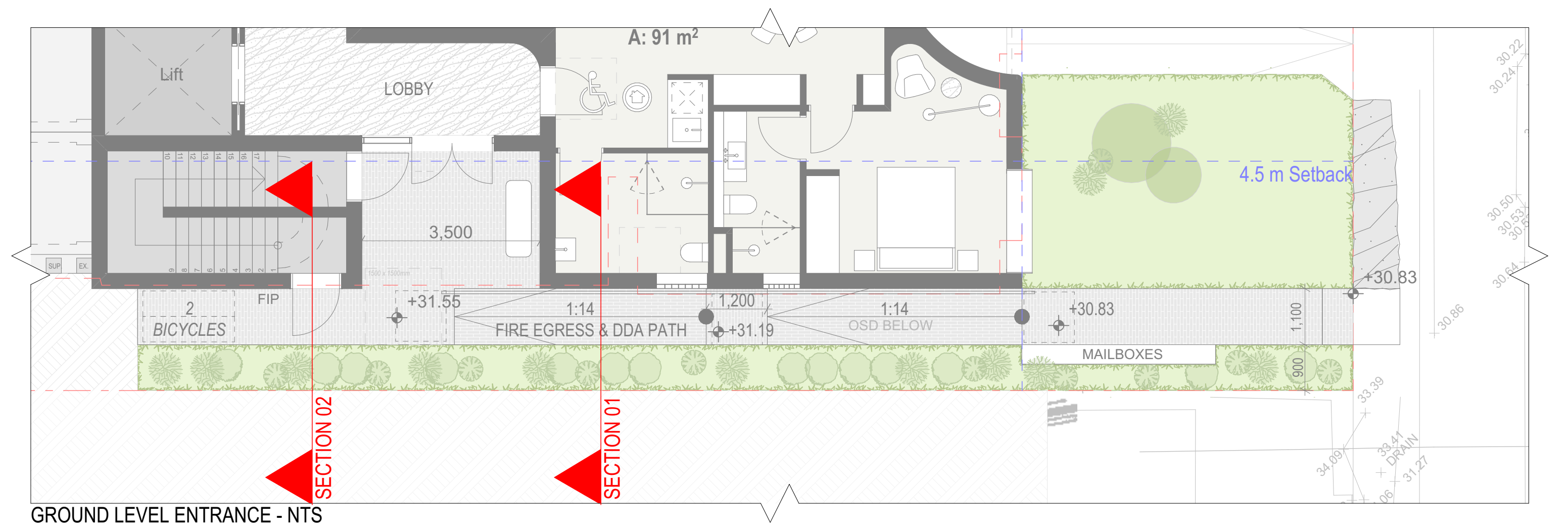


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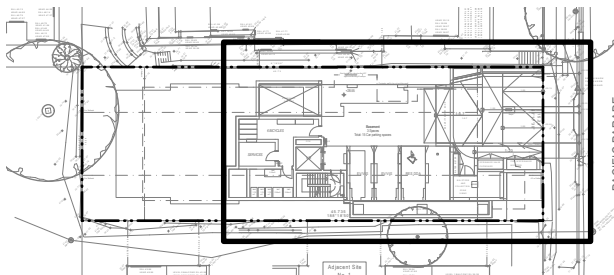


Rev	Date	By	Chk	Description
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Project Name	67 Pacific Parade, Dee Why, NSW 2099	Project Number	00013395
Project Address	67 Pacific Parade, Dee Why, NSW 2099	Drawing Name	Entrance Sections
		Scale	1:50, 1:500, 1:75@A3
		Date	8/04/2025
Client	Adjani	Drawing Number	
		Revision	



Key Plan
Scale: 1:750



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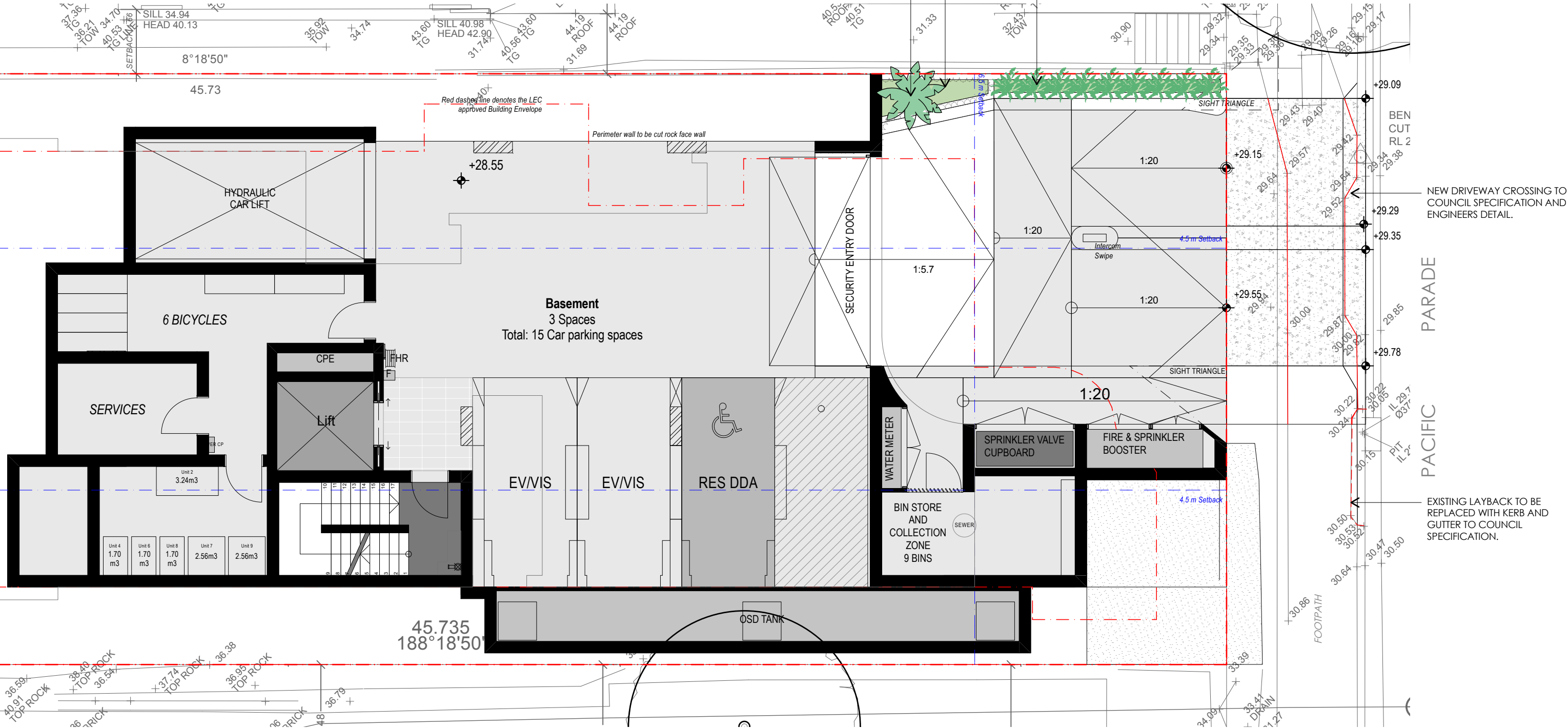
PROCEEDINGS NO: 2024/00362783

DATED: 23 July 2025

LEGEND:

- EXISTING TREE - RETAIN
- EXISTING TREE - REMOVE
- SITE BOUNDARY
- EXISTING SPOT LEVEL
- PROPOSED SPOT LEVEL

GARDEN PREPARED WITH MIN. 400mm
DEPTH SOIL. PROVIDE SUBSOIL DRAIN
CONNECTION TO STORMWATER .
1 Cycas
5 Carpobrotus
9 Philodendron X



Matthew Higgins on Landscape Architecture Pty Ltd po box 353 five dock nsw 2046 t 0414 725 944 e mhla@mhla.com.au

DEVELOPMENT APPLICATION

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issue	date	description
O1	21.05.24	Preliminary issue for comment.
A	25.06.24	Update to arch. DA issue.
B	28.06.24	Remove AC from balc. DA issue.
C	26.02.25	Update arch. Amend to comments. DA issue.
D	10.04.25	Update arch. Amend to comments. DA issue.

project
67 Pacific Parade, Dee Why NSW

client
BL2093 Pty Ltd

drawing title
Landscape Plan : Basement

scale
1:100 @ A3

project no.
24968

drawing no.
LP01

issue
D

Key Plan
Scale: 1:750



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DATED: 23 July 2025

LEGEND:



EXISTING TREE - RETAIN



EXISTING TREE - REMOVE



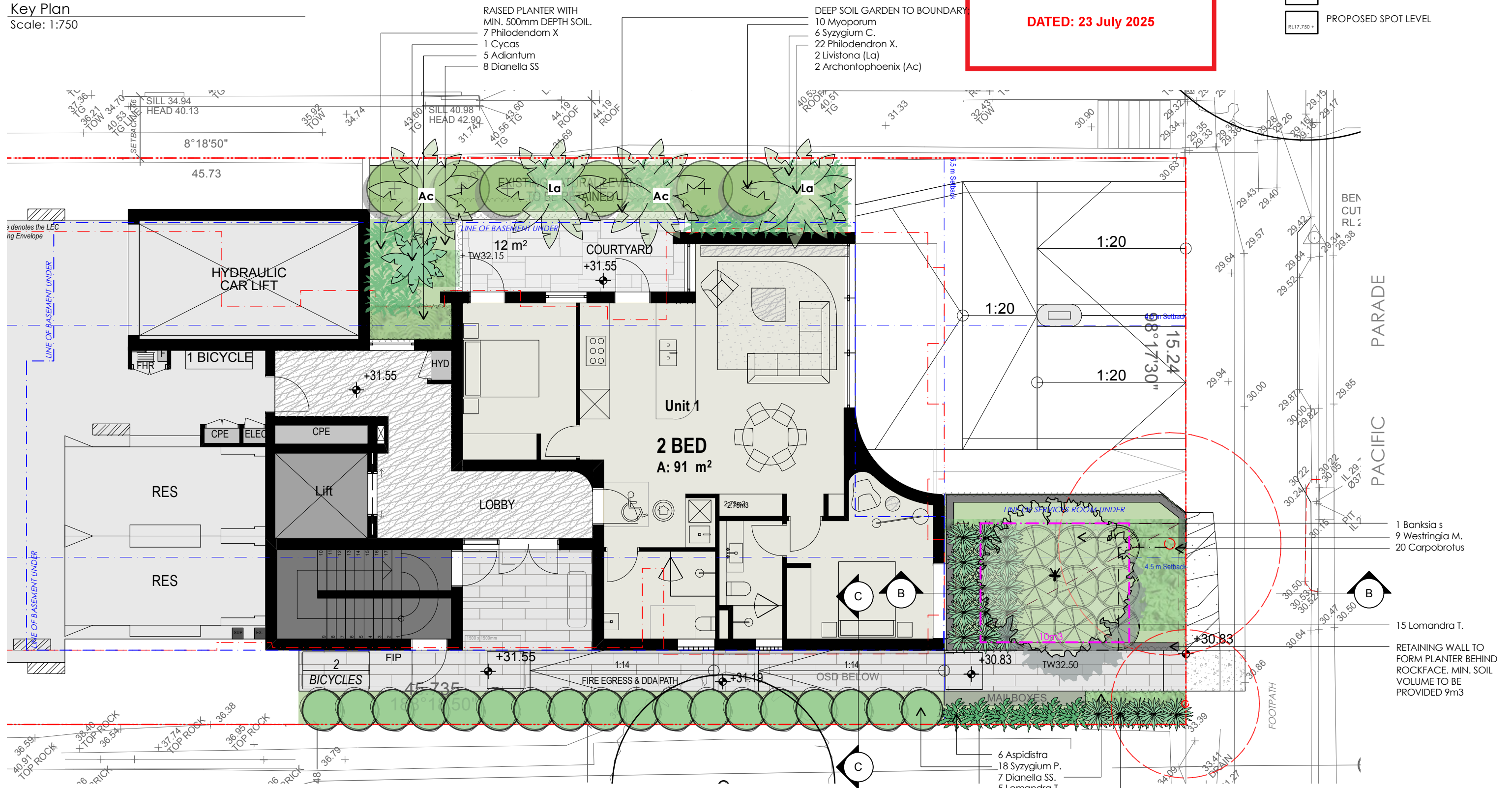
— SITE BOUNDARY



EXISTING SPOT LEVEL



PROPOSED SPOT LEVEL



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C	26.02.25	Update arch. Amend to comments. DA issue.
D	10.04.25	Update arch. Amend to comments. DA issue.

project

67 Pacific Parade, Dee Why NSW

dient

BL2093 Pty Ltd

drawing title

Landscape Plan : Ground Floor

scale

1:100 @ A3

project no.

24968

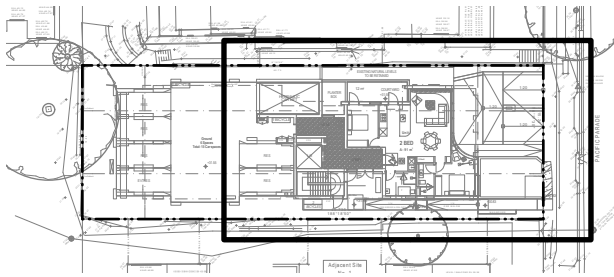
drawing no.

LP02

Issue

D





Key Plan
Scale: 1:750



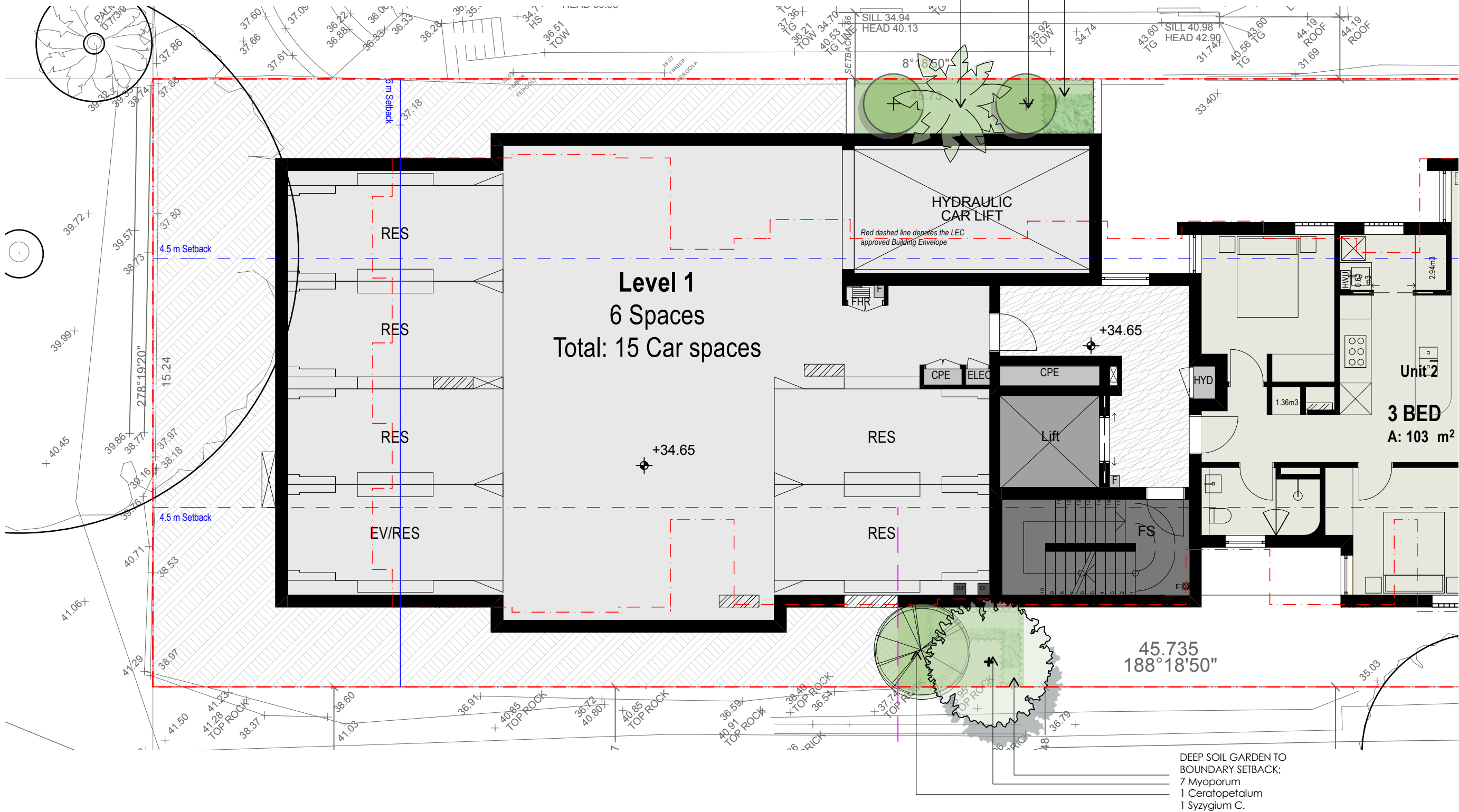
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PROCEEDINGS NO: 2024/00362783

DATED: 23 July 2025

LEGEND:

- EXISTING TREE - RETAIN
- EXISTING TREE - REMOVE
- SITE BOUNDARY
- EXISTING SPOT LEVEL
- PROPOSED SPOT LEVEL



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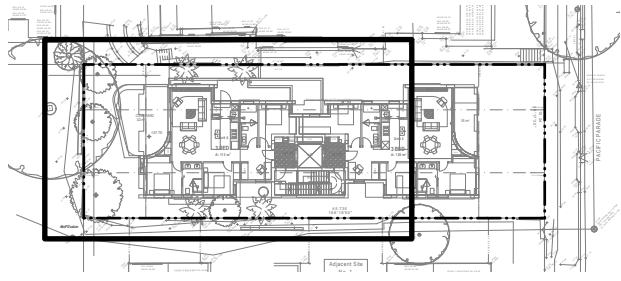
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01	21.05.24	Preliminary issue for comment.
A	25.06.24	Update to arch. DA issue.
B	28.06.24	Remove AC from balc. DA issue.
C	26.02.25	Update arch. Amend to comments. DA issue.
D	10.04.25	Update arch. Amend to comments. DA issue.

project
67 Pacific Parade, Dee Why NSW

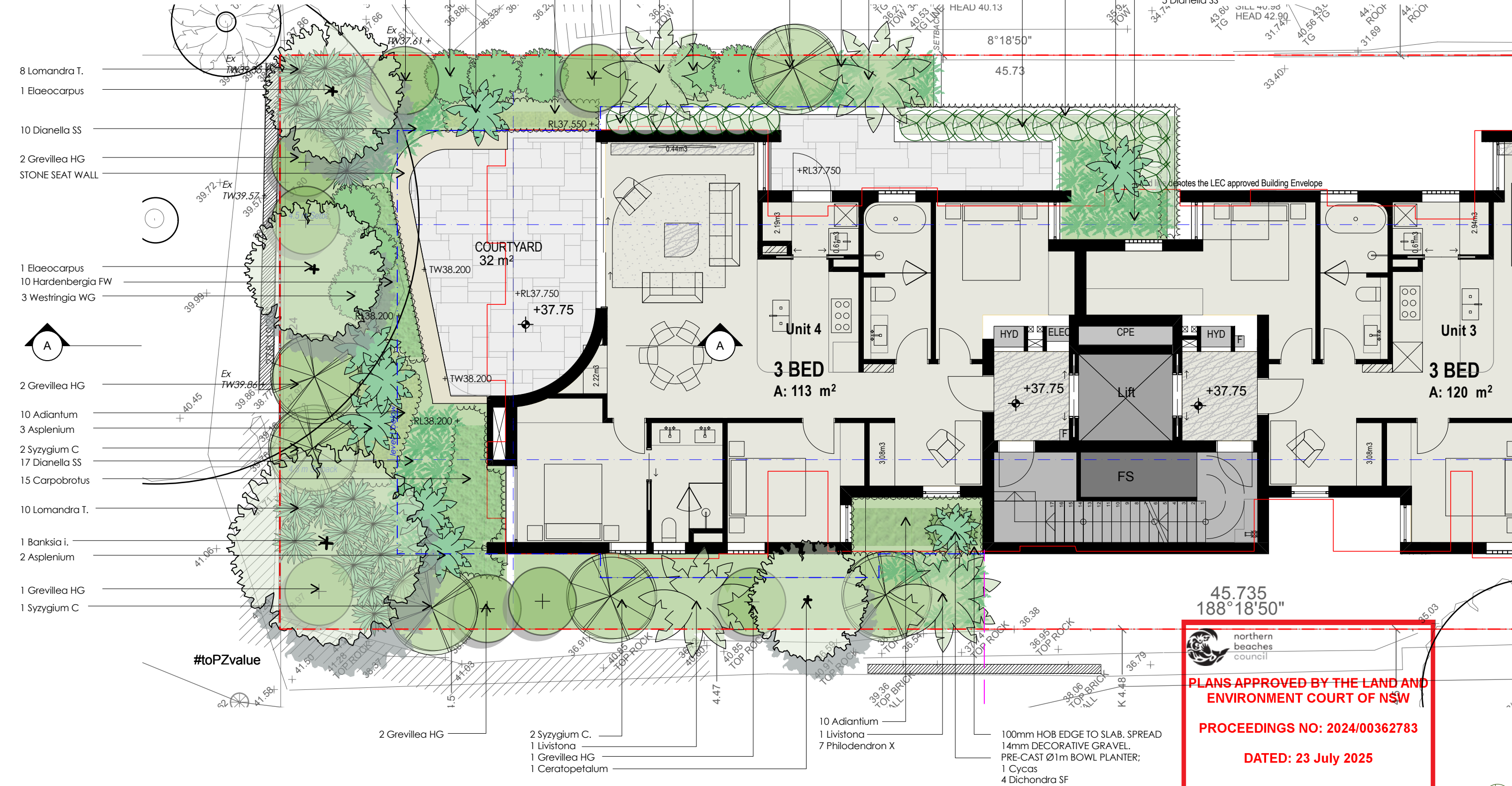
client
BL2093 Pty Ltd

drawing title
Landscape Plan : Level 1

scale	project no.	drawing no.	issue
1:100 @ A3	24968	LP03	D



Key Plan
Scale: 1:750



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D	10.04.25	Update arch. Amend to comments. DA issue.

project
67 Pacific Parade, Dee Why NSW

client
BL2093 Pty Ltd

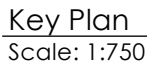
drawing title
Landscape Plan : Level 2

scale
1:100 @ A3

project no.
24968

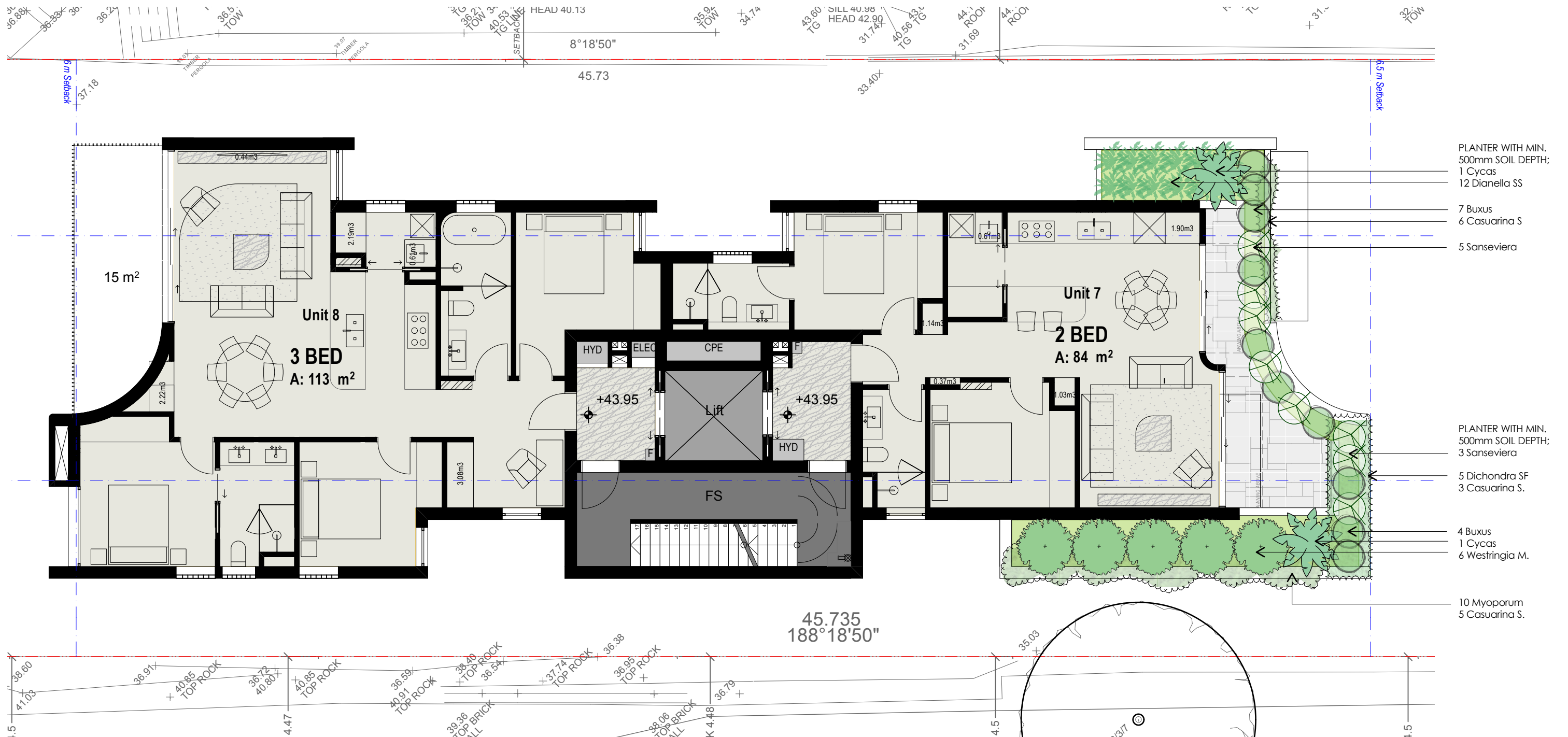
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LP04

issue
D



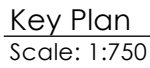
DATED: 23 July 2025

PROPOSED SPOT LEVEL



scale	project no.	drawing no.	issue
1:100 @ A3	24968	LP05	D





PROCEEDINGS NO: 2024/00362783

DATED: 23 July 2025

LEGEND:



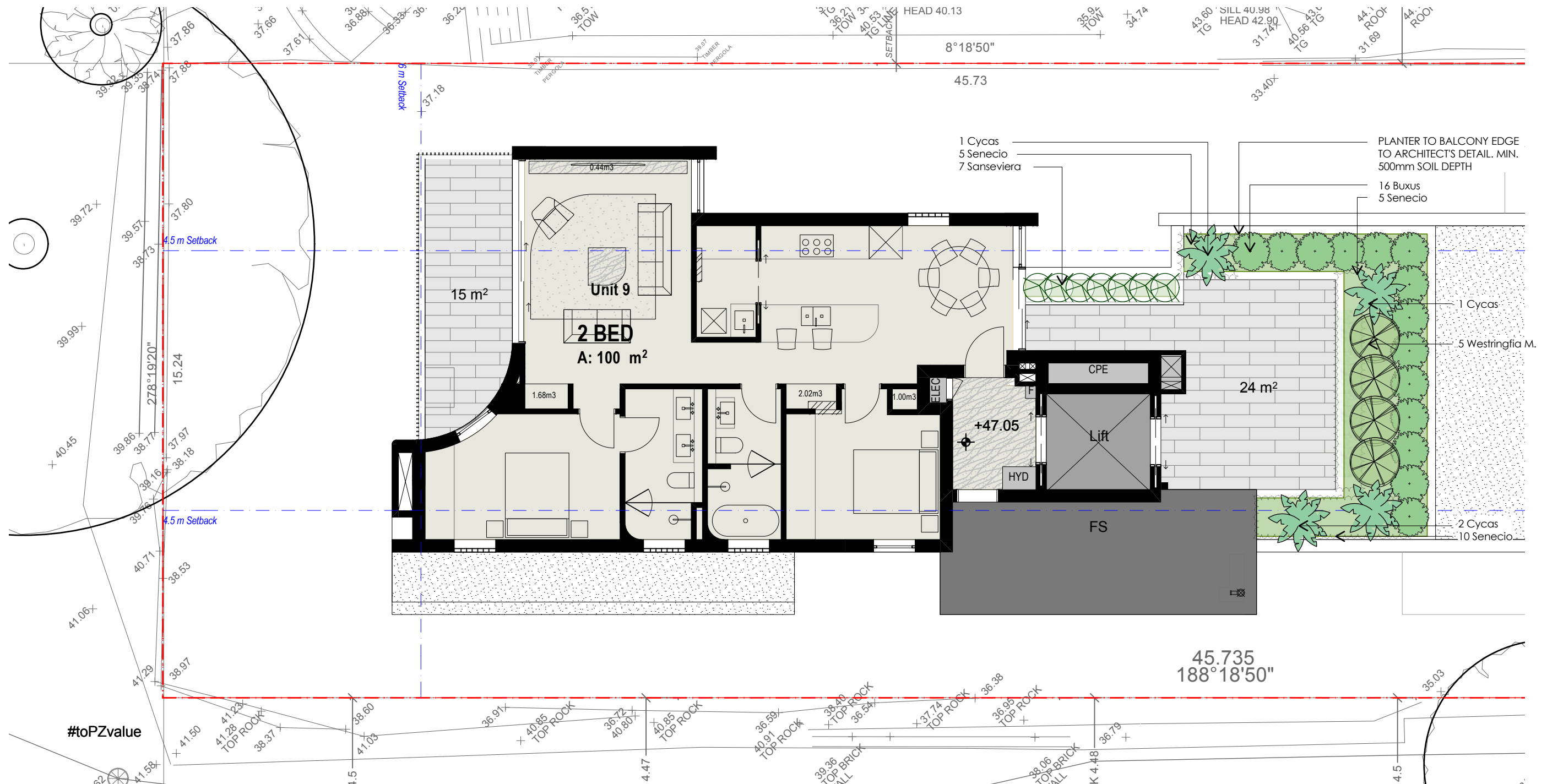
EXISTING TREE - RETAIN

EXISTING TREE - REMOVE

SITE BOUNDARY

EXISTING SPOT LEVEL

PROPOSED SPOT LEVEL



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C	26.02.25	Update arch. Amend to comments . DA issue.
D	10.04.25	Update arch. Amend to comments . DA issue.

project

67 Pacific Parade, Dee Why NS W

BL2093 Pty Ltd

drawing title

Landscape Plan : Level 5

scale
1:100 @ A3

project no.
24968

drawing no.
LP05

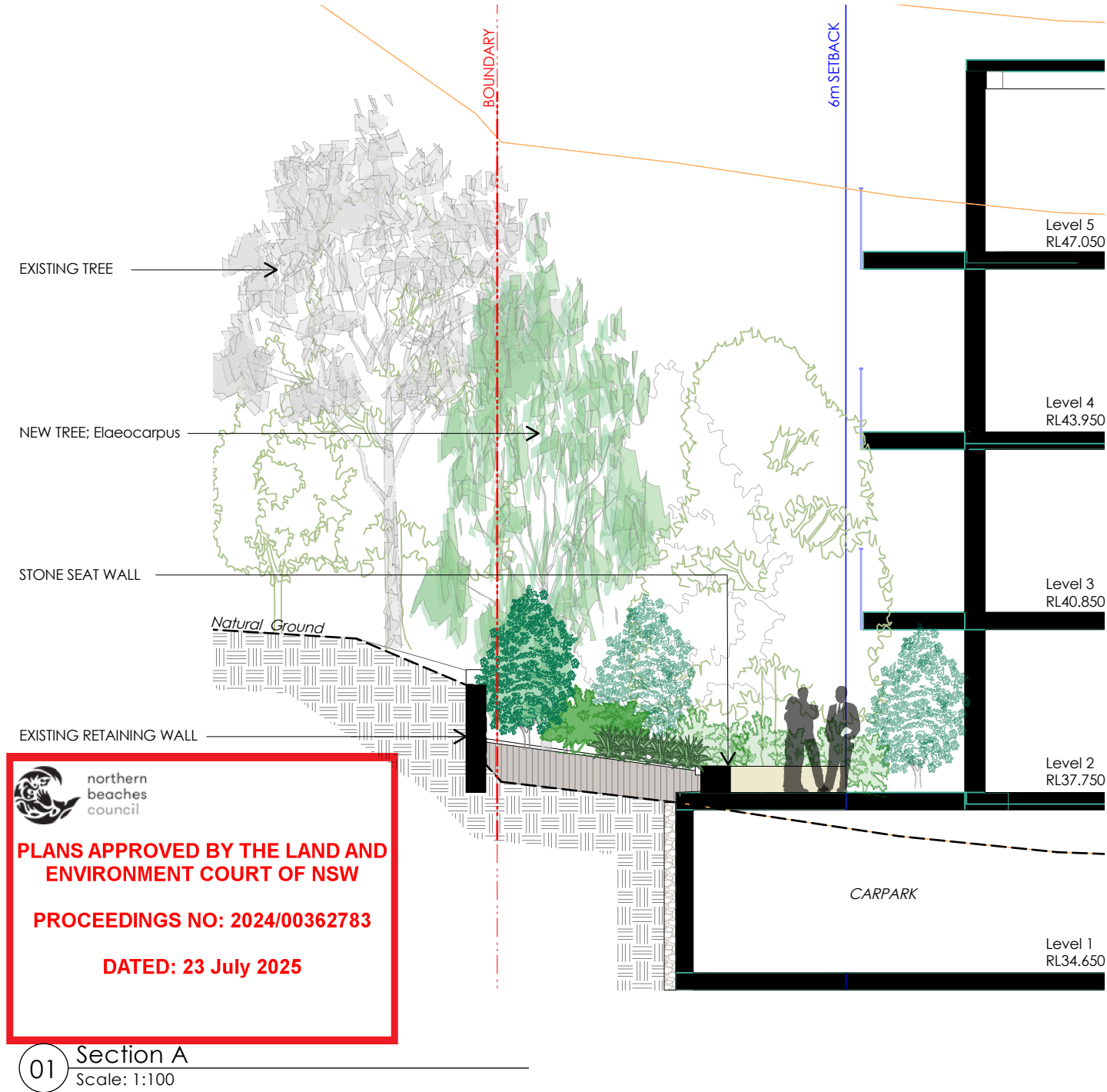
D



PLANT SCHEDULE

Botanic Name	Common Name	Supply Size (mm/L)	Mature Height	Mature Spread	Qty
Trees					
Archontophoenix cunninghamiana	Bangalow Palm	100L	18m	4m	3
Banksia integrifolia	Coast Banksia	100L	10m	6m	1
Banksia serrata	Old Man Banksia	75L	6m	4m	1
Ceratopetalum gummiferum	NSW Christmas Bush	75L	6m	3m	2
Elaeocarpus reticulatus	Blueberry Ash	100L	10m	4m	2
Livistona australis #	Cabbage Tree Palm	2m clear stem	15m	3m	6
Shrubs					
Aspidistra elatior	Cast Iron Plant	200mm	1m	1m	6
Buxus microphylla	Japanese Box	200mm	1m	1m	30
Cycas revoluta	Sago Palm	45L	1.2m	1.2m	11
Grevillea 'Honey Gem'	Honey Gem Grevillea	45L	3m	2m	12
Philodendron 'Xanadu'	Xanadu Philodendron	300mm	0.9m	0.9m	55
Sansevieria trifasciata Laurentii	Mother In Laws Tongue	200mm	0.4m	1m	34
Syzygium 'Cascade'	Cascade Lily Pily	45L	3m	2m	13
Syzygium 'Pinnacle'	Cascade Lily Pily	45L	5m	1.5m	18
Westringia Wynyabbie Gem	Wynyabbie Gem Coast Rosemary	300mm	1.2m	1.5m	8
Groundcovers					
Asplenium nidum	Birds Nest Fern	200mm	0.4m	1m	5
Adiantum aethiopicum	Maidenhair Fern	140mm	0.4m	0.5m	25
Carpobrotus glaucescens	Pigface	140mm	0.2m	1m	40
Casuarina Shagpile	Shagpile prostrate She-Oak	200mm	0.3m	1m	14
Dianella 'Silver Streak'	Silver Streak Flax lily	140mm	0.7m	0.7m	59
Dichondra 'Silver Falls'	Silver Falls Kidney Weed	140mm	0.1m	1m	19
Hardenbergia Flat White	Flat White Sarsparilla	140mm	0.2m	1m	20
Lomandra 'Tanika'	Tanika Mat Rush	140mm	0.7m	0.7m	38
Myoporum parvifolium	Creeping Boobialla	140mm	0.2m	1m	32
Senecio serpens	Blue Chalk Sticks	140mm	0.1m	1m	20
Westringia 'Mundi'	Mundi Coast Rosemary	200mm	0.5m	1.5m	20

Notes:
- supply with 2m clear stem



Archontophoenix



Livistona



Banksia integrifolia



Elaeocarpus reticulatus



Syzygium



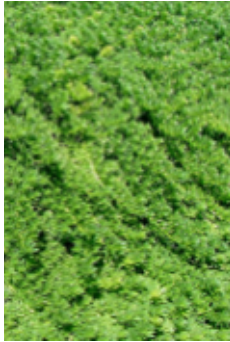
Grevillea 'Honey Gem'



Cycas revoluta



Dianella Silver Streak



Myoporum parvifolium



Westringia

Matthew Higgins on Lands cape Architecture Pty Ltd po box 353 five dock nsw 2046 t 0414 725 944 e mhla@mhla.com.au

DEVELOPMENT APPLICATION

notes: This drawing has been prepared for consideration and reference in the communication of conceptual ideas and is not intended as a detailed 'For Construction' document. No guarantee is given to the accuracy in location or size of existing or proposed elements, measurements or nominated or figured dimensions. Do not scale drawing. Drawing and content protected by copyright.

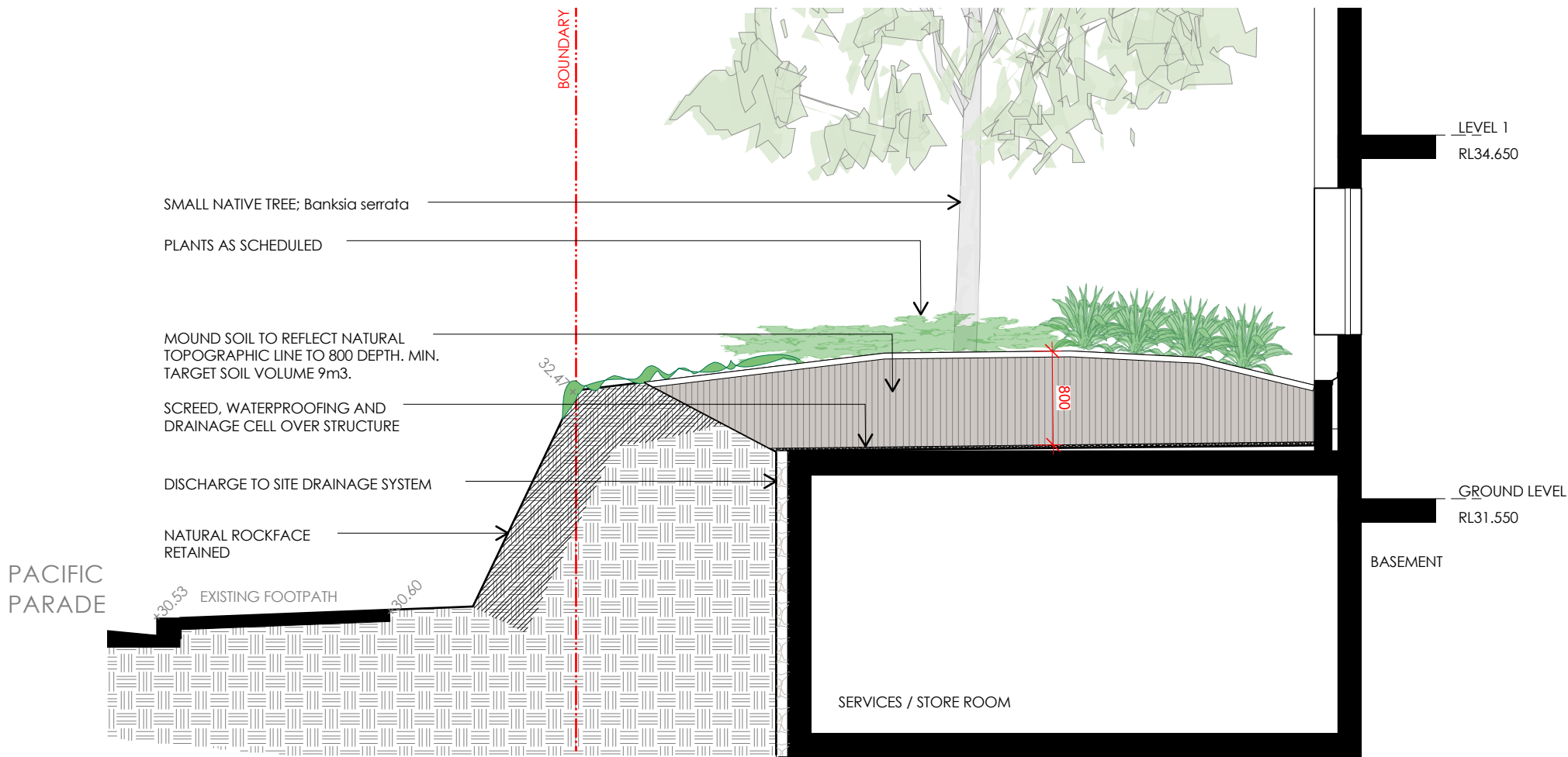
issue	date	description
01	21.05.24	Preliminary issue for comment.
A	25.06.24	Update to arch. DA issue.
B	28.06.24	Remove AC from balc. DA issue.
C	26.02.25	Update arch. Amend to comments. DA issue.
D	10.04.25	Update arch. Amend to comments. DA issue.

project
67 Pacific Parade, Dee Why NSW
client
BL2093 Pty Ltd

drawing title
Schedule + Section
scale
1:100 @ A3

project no.
24968
drawing no.
LP05
issue
D

north



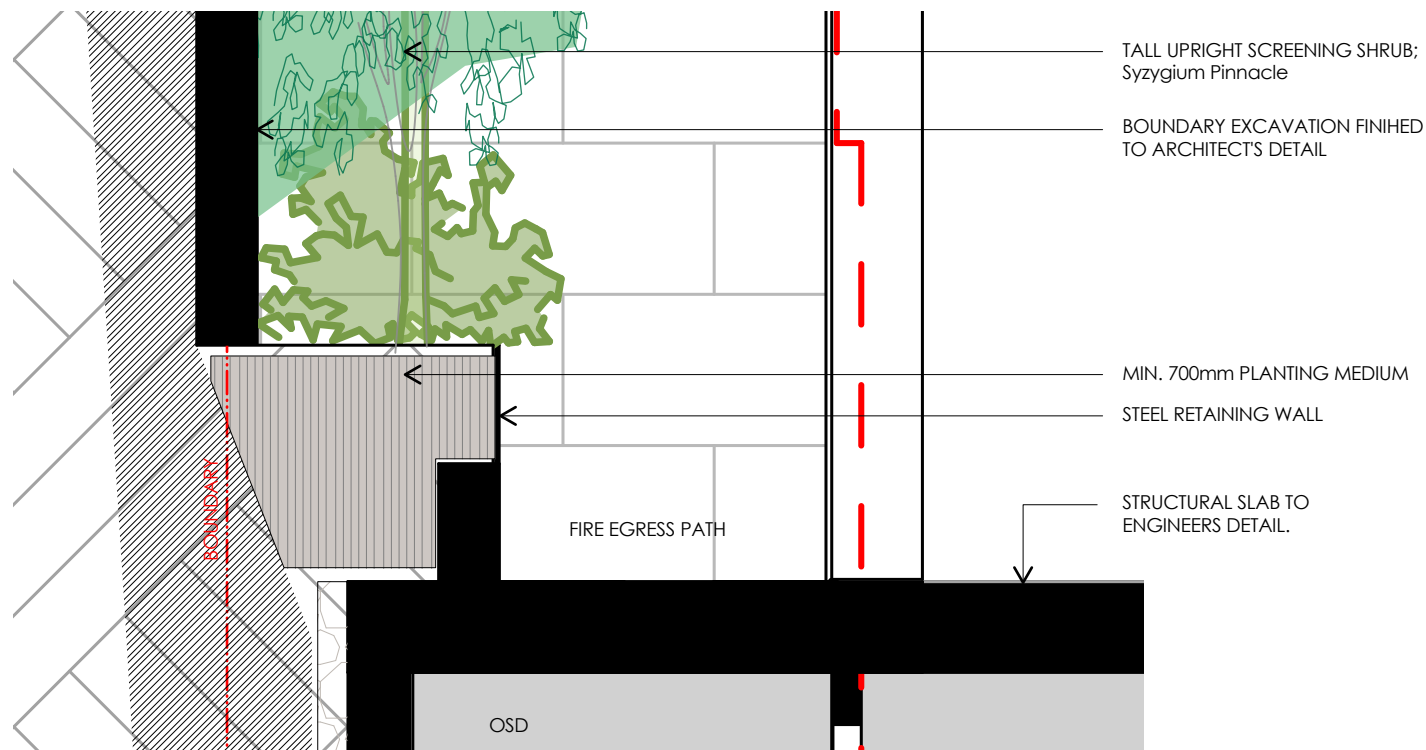
01 Section B
Scale: 1:50

 northern
beaches
council

**PLANS APPROVED BY THE LAND AND
ENVIRONMENT COURT OF NSW**

PROCEEDINGS NO: 2024/00362783

DATED: 23 July 2025



02 Section C
Scale: 1:25

Matthew Higgins on Landscape Architecture Pty Ltd po box 353 five dock nsw 2046 t 0414 725 944 e mhl@mhla.com.au

DEVELOPMENT APPLICATION

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project
67 Pacific Parade, Dee Why NSW

client
BL2093 Pty Ltd

drawing title
Section

scale
1:50 @ A3

project no.
24968

drawing no.
LP08

issue
D

north

Regulated Design Record				
Project Address: 67 PACIFIC PDE, DEE WHY				
Project Title: PROPOSED RESIDENTIAL DEVELOPMENT				
Consent No: -		Body Corporate Reg No:		
Drawing Title: COVER		Drawing No: C21189 - SW00		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
-	-	-	ANDRO CUTUK	DEP0000464
			ANDRO CUTUK	DEP0000464

PROPOSED DEVELOPMENT

67 PACIFIC PARADE, DEE WHY

STORMWATER PLANS

GENERAL NOTES

- G1. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED.
- G2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM THE DRAWINGS. REFER ARCHITECT'S DRAWINGS FOR ALL DIMENSIONS.
- G3. REFER ANY DISCREPANCY TO THE ENGINEER/ARCHITECT.
- G4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE APPROPRIATE SAA SPECIFICATIONS OR CODE AND WITH THE REQUIREMENTS OF THE RELEVANT LOCAL AUTHORITY.
- G5. THE ALIGNMENT AND LEVEL OF ALL SERVICES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONFIRM THE POSITION AND LEVEL OF ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
- G6. NO WORKS ARE TO COMMENCE UNTIL THE REQUIRED TREE REMOVAL PERMITS HAVE BEEN GRANTED BY RELEVANT LOCAL AUTHORITY, AND THE APPROPRIATE NOTICE OF INTENTION TO COMMENCE GIVEN.
- G7. ALL SERVICES, OR CONDUITS FOR SERVICING SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.
- G8. SUBSOIL DRAINAGE, COMPRISING 100 AGRICULTURE PIPE IN GEO-STOCKING TO BE PLACED AS SHOWN AND AS MAY BE DIRECTED BY THE SUPERINTENDENT. SUBSOIL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION.
- G9. NO WORK IS PERMITTED WITHIN ADJOINING PROPERTIES WITHOUT WRITTEN PERMISSION FROM THE OWNERS OR RESPONSIBLE AUTHORITY.

DRAINAGE NOTES

- D1. ALL DRAINAGE OUTLET LEVELS SHALL BE CONFIRMED ON SITE, PRIOR TO CONSTRUCTION COMMENCING.
- D2. ALL PIPES WITHIN THE PROPERTY TO BE MIN. 100 DIA UPVC @ 1% MIN. GRADE, UNO.
- D3. ALL PITS WITHIN THE PROPERTY ARE TO BE FITTED WITH "WELDLOK" OR APPROVED EQUIVALENT GRATES:
- LIGHT DUTY FOR LANDSCAPED AREAS
- HEAVY DUTY WHERE SUBJECTED TO VEHICULAR TRAFFIC
- D4. PITS WITHIN THE PROPERTY MAY BE CONSTRUCTED AS:
1) PRECAST STORMWATER PITS
2) CAST INSITU MASS CONCRETE
3) CEMENT RENDERED 230mm BRICKWORK
SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION.
- D5. ENSURE ALL GRATES TO PITS ARE SET BELOW FINISHED SURFACE LEVEL WITHIN THE PROPERTY. TOP OF PIT R/L'S ARE APPROXIMATE ONLY AND MAY BE VARIED SUBJECT TO APPROVAL OF THE ENGINEER. ALL INVERT LEVELS ARE TO BE ACHIEVED.
- D6. ANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED RCP, UNO.
- D7. ALL PITS IN ROADWAYS ARE TO BE FITTED WITH HEAVY DUTY GRATES WITH LOCKING BOLTS AND CONTINUOUS HINGE.
- D8. PROVIDE STEP IRONS TO STORMWATER PITS GREATER THAN 1200 IN DEPTH.
- D9. TRENCH BACK FILL IN ROADWAYS SHALL COMPRISE SHARP, CLEAN GRANULAR BACK FILL IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION TO NON-TRAFFICABLE AREAS TO BE COMPACTED BY RODDING AND TAMPING USING A FLAT PLATE VIBRATOR.
- D10. WHERE A HIGH EARLY DISCHARGE (HED) PIT IS PROVIDED ALL PIPES ARE TO BE CONNECTED TO THE HED PIT, UNO.
- D11. DOWN PIPES SHALL BE A MINIMUM OF DN100 SW GRADE UPVC OR 100X100 COLORBOND/ZINCALUME STEEL, UNO.
- D12. COLORBOND OR ZINCALUME STEEL BOX GUTTERS SHALL BE A MINIMUM OF 450 WIDE X 150 DEEP.
- D13. EAVES GUTTERS SHALL BE A MINIMUM OF 125 WIDE X 100 DEEP (OR OF EQUIVALENT AREA) COLORBOND OR ZINCALUME STEEL, UNO.
- D14. SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS & EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM, UNO.

EARTHWORKS NOTES

- E1. THE EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.
- E2. THE SITE OF THE WORKS SHALL BE PREPARED BY STRIPPING ALL EXISTING TOPSOIL, FILL AND VEGETATION.
- E3. SUBGRADE SHALL BE COMPACTED UNTIL A DRY DENSITY HAS BEEN ACHIEVED OF NOT LESS THAN 100% OF THE STANDARD MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AS 1289 TESTS E.1.1. OR E.1.2.
- E4. THE EXPOSED SUBGRADE SHOULD BE PROOF ROLLED TO DETECT ANY SOFT OR WET AREAS WHICH SHOULD BE LOCALLY EXCAVATED AND BACK FILLED WITH SELECTED MATERIAL.
- E5. THE BACK FILLING MATERIAL SHALL BE IMPORTED GRANULAR FILL OF LOW PLASTICITY, PREFERABLY CRUSHED SANDSTONE, AND TO BE PLACED IN LAYERS NOT EXCEEDING 150 LOOSE THICKNESS AND COMPACTED TO 98% OF STANDARD DRY DENSITY AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM.
- E6. SITE WORKS ARE TO BE BATTERED TO ADJACENT PROPERTY LEVELS.
- E7. STORMWATER MUST NOT BE CONCENTRATED ON TO AN ADJACENT PROPERTY.
- E8. AT NO TIME DURING OR AFTER CONSTRUCTION IS STORMWATER TO BE PONDED ON ADJOINING PROPERTIES.
- E9. THE SITE SHALL BE GRADED AND DRAINED SO THAT STORMWATER WILL BE DIRECTED AWAY FROM THE BUILDING PLATFORM.
- E10. STORMWATER DRAINAGE SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION. ALL STORMWATER RUNOFF SHALL BE GRADED AWAY FROM THE SITE WORKS AND DISPOSED OF VIA SURFACE CATCHDRAINS AND STORMWATER COLLECTION PITS.
- E11. ALL SURFACE CATCH DRAINS SHALL BE GRADED AT 1% (1 IN 100) MINIMUM. THE GROUND SHALL GRADE AWAY FROM ANY DWELLING AT 5% (1 IN 20) FOR THE FIRST METRE THEN AT 2.5% (1 IN 40).
- E12. WHERE A CUT FILL PLATFORM IS USED THERE SHALL BE A MINIMUM BERM 1000 WIDE TO THE PERIMETER OF THE SITE WORKS WHICH SHALL BE SUPPORTED BY BATTERS OF 3:1 IN FILL.
- E13. ANY VERTICAL OR NEAR VERTICAL PERMANENT EXCAVATION (CUT) DEEPER THAN 600 IN MATERIAL OTHER THAN ROCK SHALL BE ADEQUATELY RETAINED OR BATTERED AT A MINIMUM OF 3:1.
- E14. WHERE BATTERS CANNOT BE PROVIDED TO SUPPORT THE CUT OR FILL, THEY SHALL BE ADEQUATELY RETAINED.
- E15. RETAINING WALLS ARE TO BE CONSTRUCTED WITH ADEQUATE SUBSOIL DRAINAGE.

CONCRETE PAVEMENT

- C1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS.
- C2. PROVIDE JOINTING AT MINIMUM 6000 MAX. INTERVALS OR AS OTHERWISE SPECIFIED IN THE DRAWINGS.
- C3. CONCRETE SHALL COMPRISE A MIN. COMPRESSIVE STRENGTH OF 32MPa AT 28 DAYS IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION, UNO.
- C4. ANY SUB-BASE MATERIAL SHALL BE COMPACTED AS OUTLINED IN EARTHWORKS.
- C5. CONCRETE KERB AND GUTTER SHALL COMPRISE A MINIMUM COMPRESSIVE STRENGTH OF 28MPa, UNO.
- C6. CONCRETE WORKS ARE TO BE CURED BY ONE OF THE FOLLOWING MEANS:
i) WETTING TWICE DAILY FOR THE FIRST THREE DAYS;
ii) USING AN APPROVED CURING COMPOUNDED FOR A MINIMUM OF 7 DAYS COMMENCING IMMEDIATELY AFTER POURING.

FLEXIBLE PAVEMENT NOTES

- F1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS.
- F2. PAVEMENT MATERIAL SHALL CONSIST OF APPROVED OR RIPPED SANDSTONE, NATURAL GRAVEL OR FINE CRUSH ROCK AS PER THE RELEVANT COUNCIL AUTHORITY SPECIFICATION.
- F3. PAVEMENT MATERIALS SHALL BE SPREAD IN LAYERS NOT EXCEEDING 150 AND NOT LESS 75 COMPACTED THICKNESS.
- F4. PAVEMENT MATERIALS SHALL BE SIZED AND OF A STANDARD OUTLINED IN AS1141.
- F5. CRUSHED OR RIPPED SANDSTONE SHALL BE MINUS 75 NOMINAL SIZE DERIVED FROM SOUND, CLEAN SANDSTONE FREE FROM OVERBURDEN, CLAY SEAMS, SHALE AND OTHER DELETERIOUS MATERIAL.
- F6. PAVEMENT MATERIALS SHALL BE COMPACTED BY SUITABLE MEANS TO SATISFY THE FOLLOWING MINIMUM SPECIFICATIONS (AS PER AS1289.2)

DESCRIPTION	MEDIUM DENSITY RATIO
SUB-BASE	98% MOD
BASE COURSE	98% MOD
ASPHALTIC CONCRETE	97% MOD

AND SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION.

- F7. TESTING FOR EACH LAYER SHALL BE UNDERTAKEN BY A N.A.T.A. REGISTERED LABORATORY IN ACCORDANCE WITH AS1289, AT NOT MORE THAN 50m INTERVALS AND A MINIMUM OF TWO PER LAYER. FURTHER FREQUENCY OF TESTING SHALL BE NO LESS THAN THAT REQUIRED BY AS3978.

PAVED AREAS NOTES

- A1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS.
- A2. ALL PAVERS ARE TO BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.
- A3. TRAFFICABLE AREAS:
SUB-BASE TO BE 150 COMPACTED THICKNESS DGS75.
SUB-BASE TO BE SUITABLY COMPACTED TO MEDIUM DENSITY 98% MOD.
SUB-BASE TO EXTEND AT LEAST 200 BEYOND PAVED SURFACE.
PAVERS TO BE 80 THICK INTERLOCKING PAVERS ON 50 SAND BEDDING.
- A4. NON TRAFFICABLE AREAS:
SUB BASE AS PER TRAFFICABLE AREAS
PAVERS TO BE 60 INTERLOCKING PAVERS ON 50 SAND BEDDING (UNO).

EROSION AND SEDIMENT NOTES

- B1. THIS PLAN TO BE READ IN CONJUNCTION WITH EROSION AND SEDIMENT CONTROL DETAILS AS ATTACHED.
- B2. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY AND TO THE SATISFACTION OF THE RELEVANT LOCAL AUTHORITY PRIOR TO THE COMMENCEMENT OF AND DURING CONSTRUCTION. NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM THE SITE WITHOUT THE RELEVANT LOCAL AUTHORITY APPROVAL. ALL EROSION AND SEDIMENT CONTROL DEVICES TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH STANDARDS OUTLINED IN NSW DEPARTMENT OF HOUSING'S "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTIONS".
- B3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL SHALL BE RESPREAD LATER ON AREAS TO BE REVEGETATED AND STABILISED ONLY, (I.E. ALL FOOTPATHS, BATTERS, SITE REGARDING AREAS, BASINS AND CATCHDRAINS). TOPSOIL SHALL NOT BE RESPREAD ON ANY OTHER AREAS UNLESS SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF THEY ARE TO REMAIN FOR LONGER THAN ONE MONTH STOCKPILES SHALL BE PROTECTED FROM EROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND, IF NECESSARY, BY LOCATING BANKS OR DRAINS DOWNSTREAM OF A STOCKPILE TO RETARD SILT LADEN RUNOFF.
- B4. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES SUCH THAT MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL THE SILT IS TO BE PLACED OUTSIDE THE LIMIT OF WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
- B5. LAY TURF STRIP (MIN 300 WIDE) ON 100 TOPSOIL BEHIND ALL KERB WITH 1000 LONG RETURNS EVERY 6000 AND AROUND STRUCTURES IMMEDIATELY AFTER BACKFILLING AS PER THE RELEVANT LOCAL AUTHORITY SPECIFICATION.
- B6. THE CONTRACTOR SHALL GRASS SEED ALL DISTURBED AREAS WITH AN APPROVED MIX AS SOON AS PRACTICABLE AFTER COMPLETION OF EARTHWORKS AND REGRADING.
- B7. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO NOMINATED STABILISED ACCESS POINTS.
- B8. WHEN ANY DEVICES ARE TO BE HANDED OVER TO COUNCIL THEY SHALL BE IN CLEAN AND STABLE CONDITION.
- B9. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL BY REGULAR WETTING DOWN (BUT NOT SATURATING) DISTURBED AREA.
- B10. PROVIDE AND MAINTAIN SILT TRAPS AROUND ALL SURFACE INLET PITS UNTIL CATCHMENT IS REVEGETATED OR PAVED.
- B11. REVEGETATE ALL TRENCHES IMMEDIATELY UPON COMPLETION OF BACKFILLING.
- B12. ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL:
- DOWNPIPES CONNECTED
- PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER

MINIMUM PIPE COVER SHALL BE AS FOLLOWS

LOCATION	MINIMUM COVER
NO SUBJECT TO VEHICLE LOADING	100mm SINGLE RESIDENTAL
SUBJECT TO VEHICLE LOADING	450mm WHERE NOT IN A ROAD
UNDER A SEALED ROAD	600mm
UNSEALED ROAD	750mm
PAVED DRIVEWAY	100mm PLUS DEPTH OF CONCRETE

SEE AS2032 INSTALLATION OF UPVC PIPES FOR FURTHER INFORMATION.

CONCRETE PIPE COVER SHALL BE IN ACCORDANCE WITH AS3725-1989 LOADS ON BURIED CONCRETE PIPES, HOWEVER A MINIMUM COVER OF 450mm WILL APPLY.

WHERE INSUFFICIENT COVER IS PROVIDED, THE PIPE SHALL BE COVERED AT LEAST 50mm THICK OVERLAY AND SHALL BE PAVED WITH AT LEAST:

- 150mm REINFORCED CONCRETE WHERE SUBJECT TO HEAVY VEHICLE TRAFFIC
- 75mm THICKNESS OF BRICK OR 100mm OF CONCRETE PAVING WHERE SUBJECT TO LIGHT VEHICLE TRAFFIC; OR
- 50mm THICK BRICK OR CONCRETE PAVING WHERE NOT SUBJECT TO VEHICLE TRAFFIC.

PIT SIZES AND DESIGN

DEPTH (mm)	MINIMUM PIT SIZE (mm)
UP TO 600mm	450 x 450
600mm TO 900mm	600 x 600 U.N.O
900mm TO 1200mm	900 x 900
1200mm +	900 x 900 (WITH STEP IRON)



SYMBOLS

DESCRIPTION	
	DENOTE ON-SITE DETENTION TANK OR PUMP OUT TANK
	DENOTE ON-SITE DETENTION BASIN
	DENOTE ABSORPTION TRENCH
	DENOTES DOWNPIPE
	DENOTES 100mm DIA PVC (SEWER GRADE) AT 1% MIN. GRADE U.N.O
	DENOTES 100mm DIA PVC TO BE CONNECTED DIRECTLY TO RAINWATER TANK
	DENOTES 225mm DIA PVC (SEWER GRADE) AT 0.5% MIN. GRADE U.N.O
	DENOTES AGG LINE
	DENOTES SEDIMENT FENCE
	DENOTES INSPECTION OPENING WITH SCREW DOWN LID AT FINISH SURFACE LEVEL
	DENOTES CLEANING EYE
	STORMWATER PIT - GRATED INLET
	STORMWATER PIT - SOLID COVER
	MAINTENANCE PIT
	NON RETURN VALVE
	DENOTE ROUND FLOOR DRAINS
	DENOTE SQUARE FLOOR DRAINS
	DENOTE PLANTER BOX DRAINS
	DENOTE GRATED DRAIN
	PROPOSED FINISH FLOOR LEVEL
	DENOTE EXISTING OVERLAND FLOW PATH
	DENOTE RAINWATER TANK
	DENOTE WATER OUTLET
	REDUCED LEVEL/SURFACE LEVELL
	INVERT LEVEL
	TOP OF KERB

SCHEDULE OF DRAWINGS

SHEET No	DESCRIPTION
SW100	STORMWATER NOTES & COVER PAGE
SW101	BASEMENT DRAINAGE PLAN, SECTIONS & DETAILS
SW102	LOWER GROUND FLOOR AND GROUND FLOOR STORMWATER LAYOUT
SW103	FIRST FLOOR AND SECOND FLOOR STORMWATER LAYOUT
SW104	THIRD FLOOR AND FOURTH FLOOR STORMWATER LAYOUT
SW105	FIFTH FLOOR AND ROOF STORMWATER LAYOUT
SW106	STORMWATER SECTIONS & DETAILS

HOLD POINTS FOR STORMWATER INSPECTIONS

THE FOLLOWING HOLD POINTS MUST BE INSPECTED BY A PROFESSIONAL CIVIL ENGINEER OR COUNCIL ENGINEER AT THE NOMINATED STAGES:

- INITIAL INSPECTION TO DISCUSS CONCEPT AND SITE CONDITIONS/CONSTRAINTS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION OF OSD TANK.
- AFTER FORMING UP OF OSD TANK & PRIOR TO POURING CONCRETE .
- AFTER COMPLETION OF STORAGE BUT PRIOR TO INSTALLATION OF FITTINGS (E.G ORIFICE PLATE, TRASH SCREEN, NON RETURN FLAP VALVE ETC)
- FINAL INSPECTION ON COMPLETION OF STORMWATER COMPONENTS

STORMWATER PLAN COMPLIES WITH DA CONDITIONS:

- # DA CONDITION 1
- # DA CONDITION 13
- # DA CONDITION 19

Revision	Amendment	Issue date	Issue	Issued to	Issue date
F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			



SUITE 303 / 29-31 LEXTINGTON DRIVE
NORWEST BUSINESS PARK,
BELLA VISTA N.S.W. 2153

ALL CORRESPONDENCE TO:
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Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY

Client
ADJANI

Architect / Project Manager

—

Drawing Title

STORMWATER NOTES & COVER
PAGE

Scales
A1 — 1:100

Designed
AP

Drafted
AP

Drawing No.
C23181 — 100

Approved
AC

Revision
F



LEGEND

- UPVC PIPE TO PIT/OSD
- UPVC AERIAL PIPE TO OSD
- 65Ø UPVC AERIAL PIPE IN SLAB

PIT B3
S.L. 28.45
I.L. 28.00
450 x 450

PIT B4
S.L. 28.45
I.L. 27.05
900 x 900

PIT B5
S.L. 28.45
I.L. 27.35
900 x 900

JUNCTION
PIT
S.L. 29.40
I.L. 29.00
600 x 600

EXISTING KERB INLET PIT
T.K = 29.00
S.L = 28.75
I.L = 27.95

PUMP DESIGN SUMMARY

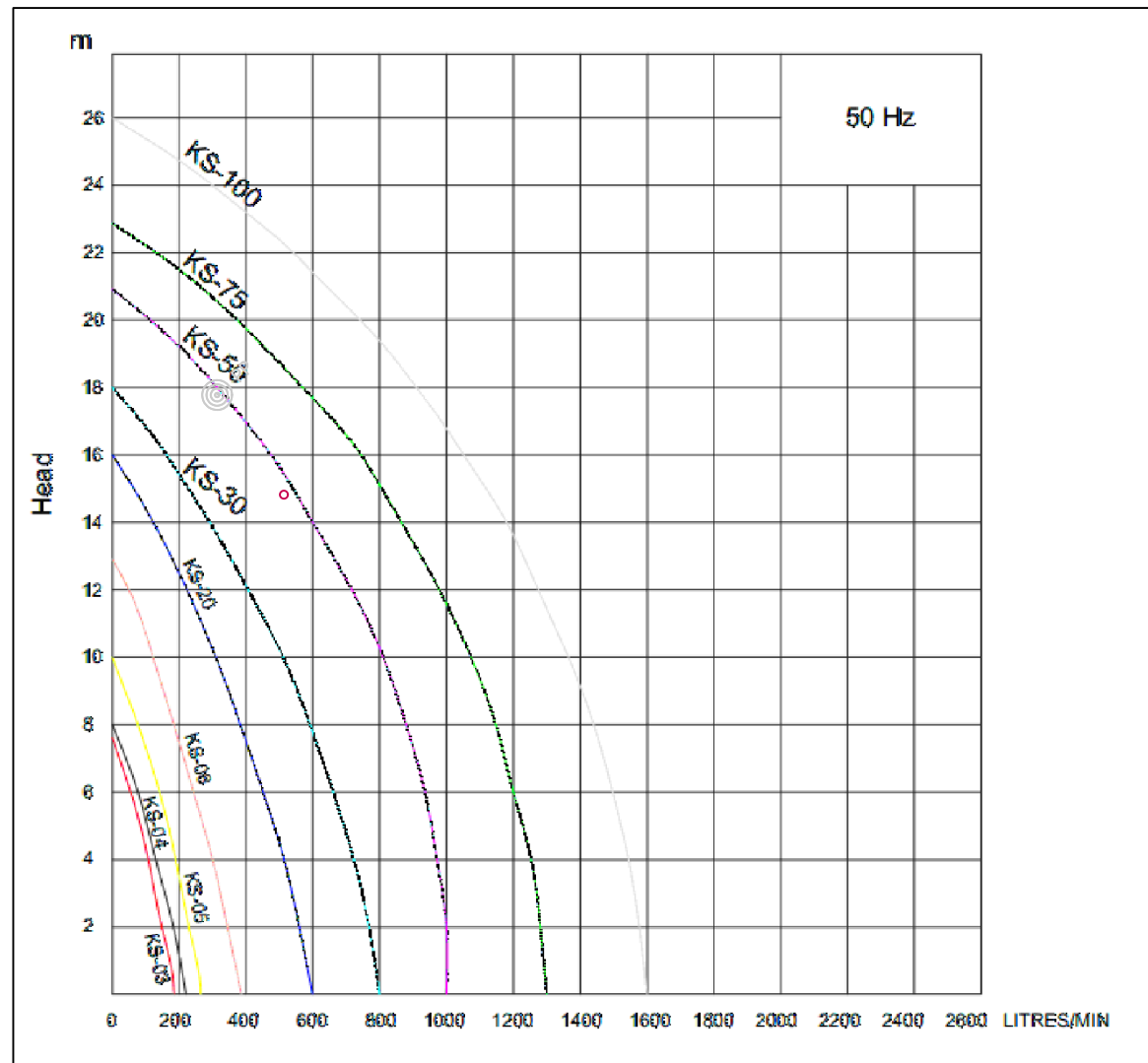
CATCHMENT AREA = 58 m² (DRIVEWAY RAMP)
100 YEAR ARI 2 HOUR STORM = 42.80 mm/hr
TOTAL WATER = 2 x 42.80 mm = 85.60 mm
TOTAL STORAGE VOLUME REQUIRED = 58 x 0.085 = 4.93m³

SEEPAGE = 2.5ML/YEAR/Ha = 6.85 m³/Ha
SEEPAGE = AREA x 6.85m³ = 0.025 x 6.85 = 0.17 m³

TOTAL PUMP-OUT TANK REQUIRED = 4.93 + 0.17= 5.1 m³
PUMP OUT TANK VOLUME PROVIDED = 7.0 m³ (MINIMUM)

PUMP HEAD = 3 m
RAINFALL INTENSITY FOR CALCULATIONS = 100 YEAR ARI
STORM DURATION 5 MINUTE = 224 mm/h
PUMP RATE REQUIRED =224 x 50 / 3600 = 3.11 l/s = 186 l/min

2 x SABER KS-05 SUBMERSIBLE PUMPS (OR APPROVED EQUIVALENT)
PUMPS TO BE USED



PUMP DESIGN POINT
HEAD = 2.00m
DISCAHRGE RATE =186L/Min.
PUMP MODEL REQ = KS-05

STANDARD PUMP OUT DESIGN NOTES

THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER:-

- > THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATIVELY SO AS TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.
- > A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS.
- > A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL, WHEREBY ONE OF THE PUMPS WILL OPERATE AND DRAIN THE TANK TO THE LEVEL OF THE LOW-LEVEL FLOAT.
- > A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHOULD START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.
- > AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.

BASEMENT DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø100, UNO.
- FD = FLOOR OUTLET, REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL)
- 100Ø = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300 x 300)
- FG = FLOOR GULLY Ø150
- S_{DP} = RAINWATER SPREADER
- [RL 6.20] = PROPOSED FINISHED SURFACE LEVEL

BASEMENT DRAINAGE PLAN

SCALE 1:100

NOTES:

- ALL STORMWATER PIPES TO BE MINIMUM 1% SLOPE UNO.
- GRATED DRAIN IN DRIVEWAY TO BE CLASS C HEAVY DUTY.
- ALL ACCESS GRATE BE BE MINIMUM CLASS C.



900x900 CLASS C (HEAVY DUTY)
HINGED GALVANISED MILD STEEL
GRATE & FRAME, PROVIDE
LOCKING DEVICE

NON-RETURN
FLAP VALVE

RL = 28.45

PROVIDE GALVANISED
IRON STEPS @300c/c

HIGH LEVEL

T.W.L 28.25

START
RL 27.25

STOP
RL27.05

1% FALL MIN.

RL 27.35

OWNER TO MAINTAIN THIS
AREA CLEAN REGULARLY
FROM SILTATION EVERY 3-6
MONTHES

CONNECT TO STORMWATER
SYSTEM 100 DIA. AGG DRAIN
WITH GEO-SOCK

2 AUTO SUBMERSIBLE PUMPS
(SABRE KS-05 OR EQUIVALENT)
OPERATING SIMULTANEOUSLY.
PUMPS TO BE INSTALLED AND
SPECIFIED TO MANUFACTURES
DETAIL AND CALCULATION SHEET

BASEMENT PUMP OUT TANK PLAN

1:50 @ A1

SECTION - SUBSOIL DRAINAGE PUMPOUT PIT

1:20



SUITE 303 / 29-31 LEXINGTON DRIVE
NORWEST BUSINESS PARK,
BELLA VISTA N.S.W. 2153
ALL CORRESPONDENCE TO:
P.O. BOX 6080 BAULKHAM HILLS BC
BAULKHAM HILLS NSW 2153
PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333
EMAIL. andrew@camconsulting.com.au

Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY
Client
ADJANI
Architect / Project Manager

Drawing Title
BASEMENT DRAINAGE PLAN,
SECTIONS & DETAILS

Scales A1 - 1:100	Designed AP	Drafted AP
Drawing No. C23181 - 101	Approved AC	Revision F

Revision	Amendment	Issue date	Issue	Issued to	Issue date
F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			

GROUND FLOOR DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
SP = RAINWATER SPREADER
RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

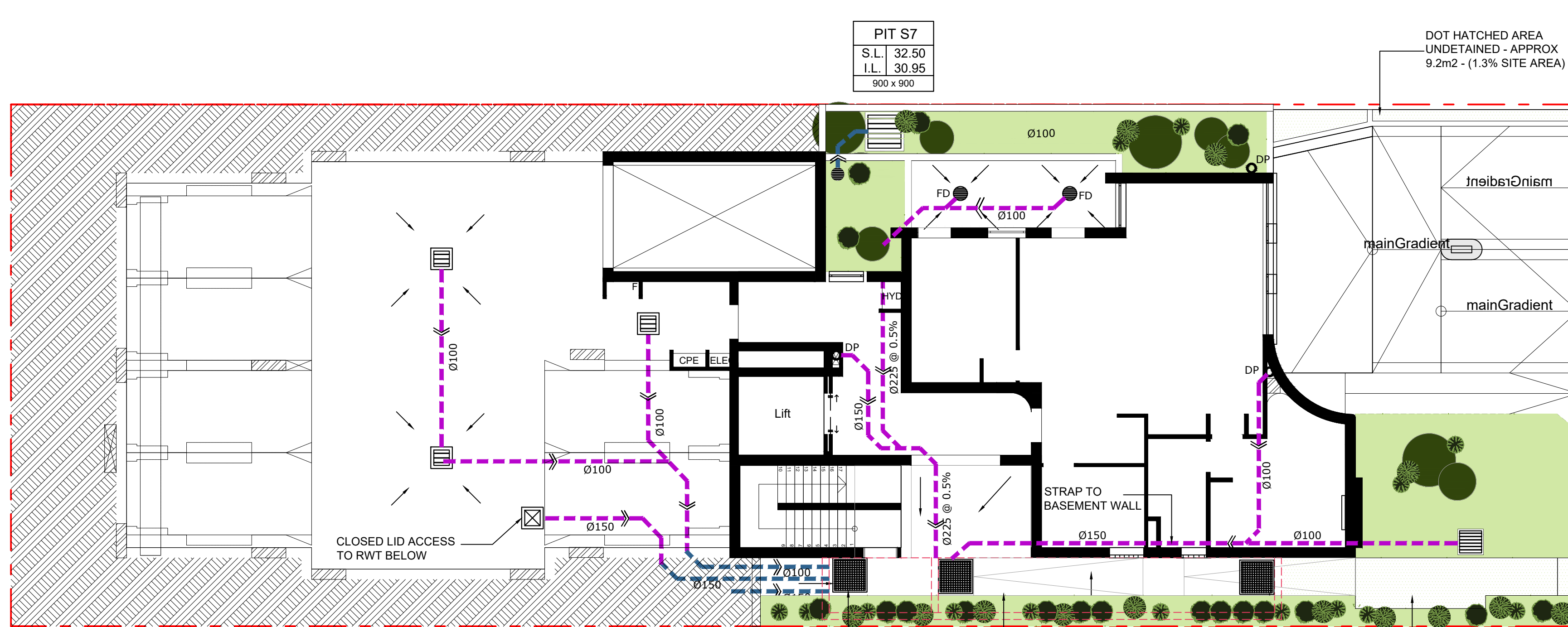
	UPVC PIPE TO PIT/OSD
	UPVC AERIAL PIPE TO OSD
	65Ø UPVC AERIAL PIPE IN SLAB

OSD NOTES:

OSD SIZING AS PER NORTHERN BEACHES COUNCIL WATER MANAGEMENT FOR
DESIGN POLICY.

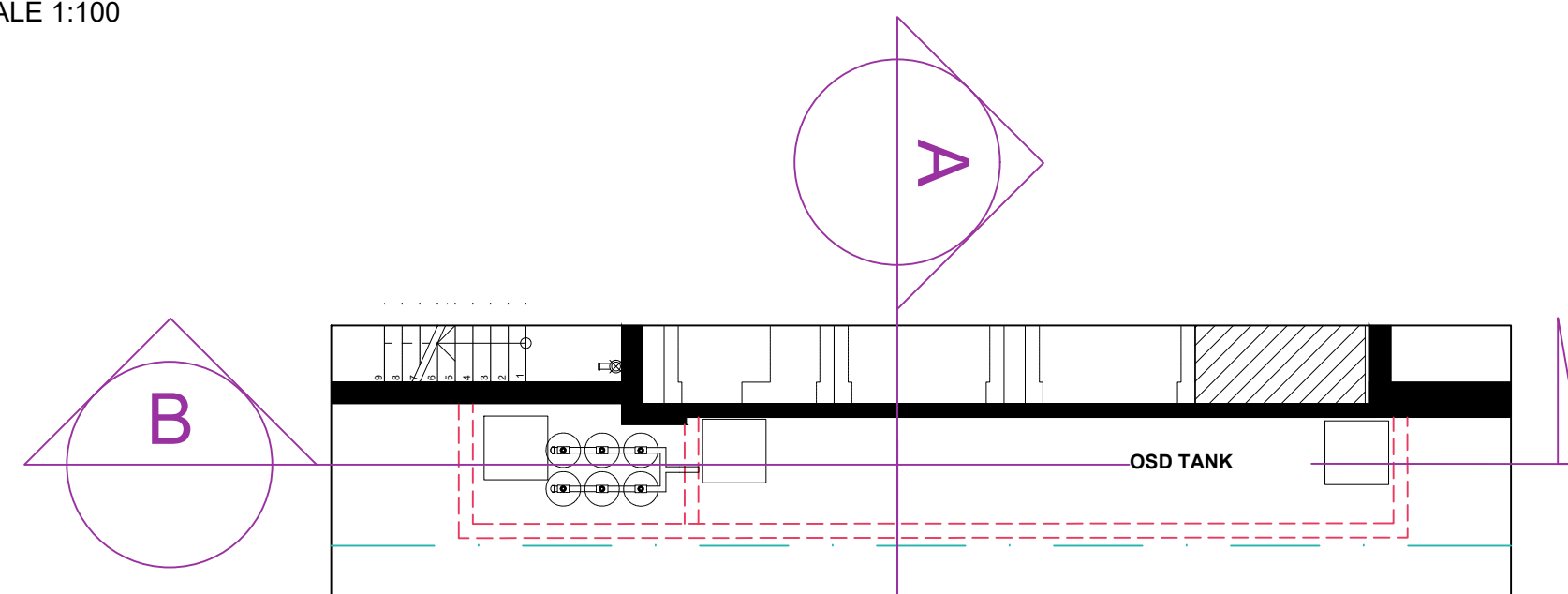
SITE LOCATION - 67 PACIFIC PDE, DEE WHY = REGION 2 - CENTRAL STORMWATER
REGION.

SITE AREA: 695.6m²
IMPERVIOUS AREA (APPROX.) = 430m²
% IMPERVIOUS AREA (APPROX.) = 62% (>60%)
MIN SIZE OF BASIN (SSR) = 23.3m³
SIZE OF BASIN PROVIDED = 23.9m³

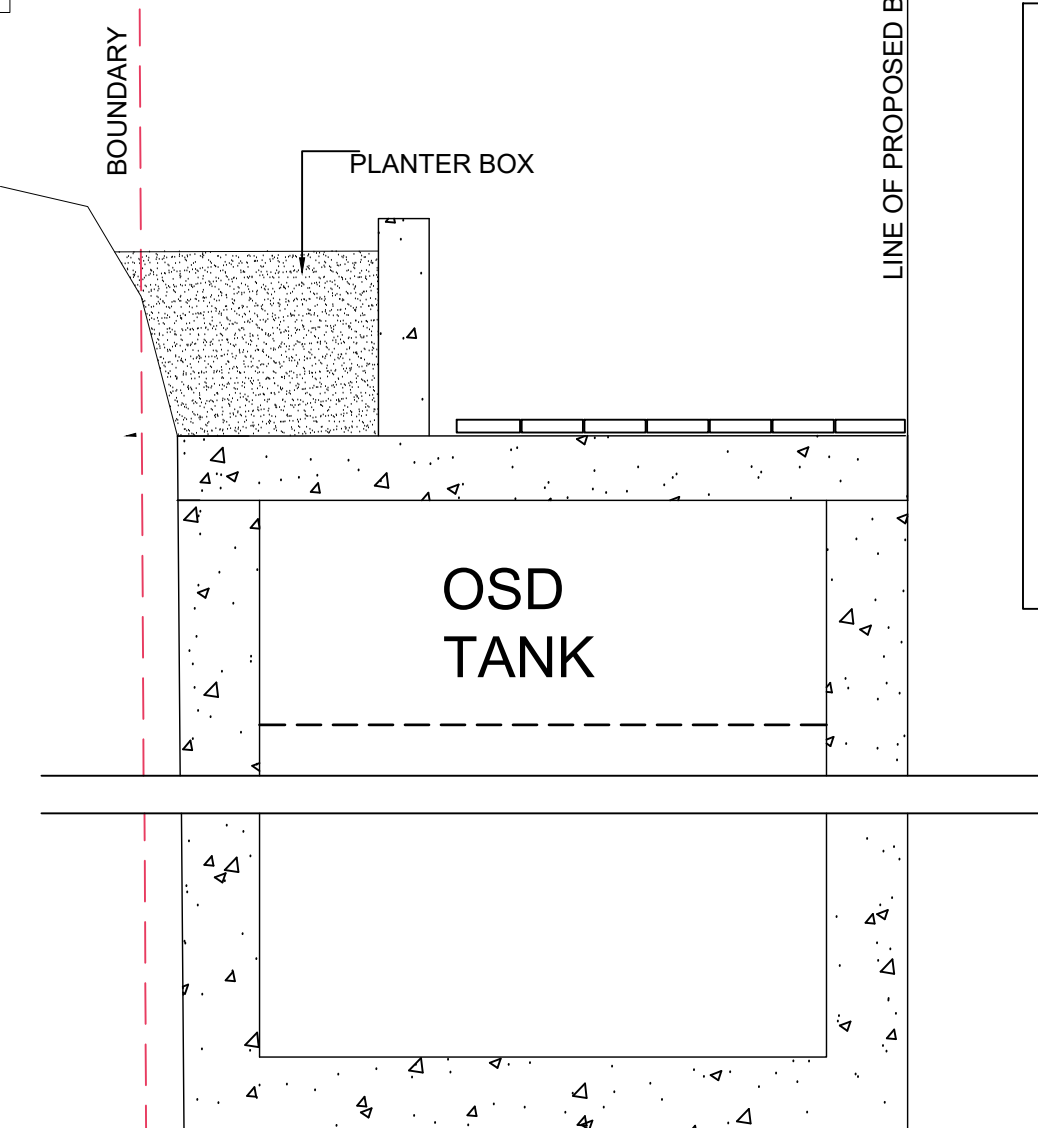


GROUND FLOOR DRAINAGE PLAN

SCALE 1:100

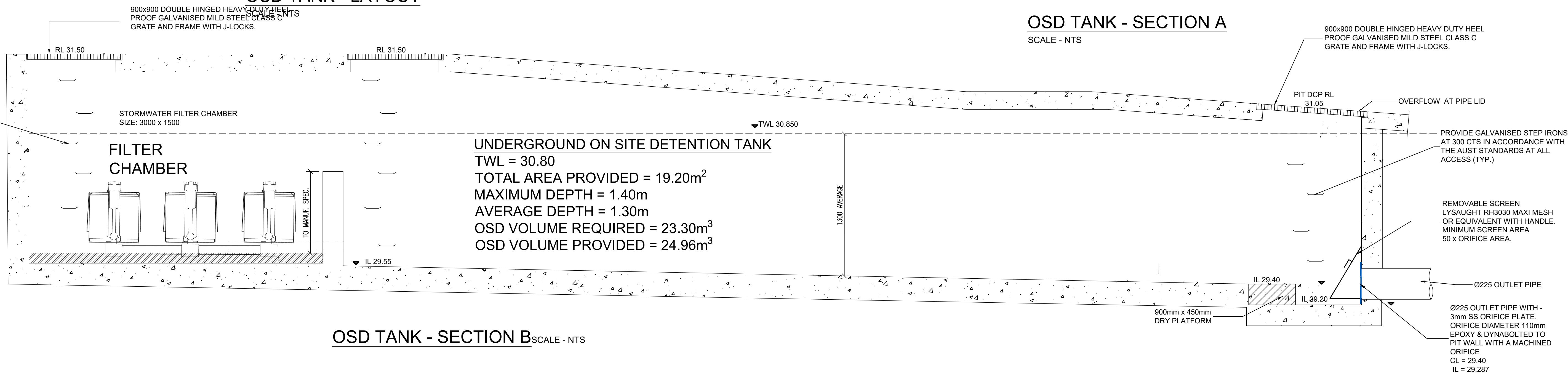


OSD TANK - LAYOUT



OSD TANK - SECTION A

SCALE - NTS



OSD TANK - SECTION B

SCALE - NTS

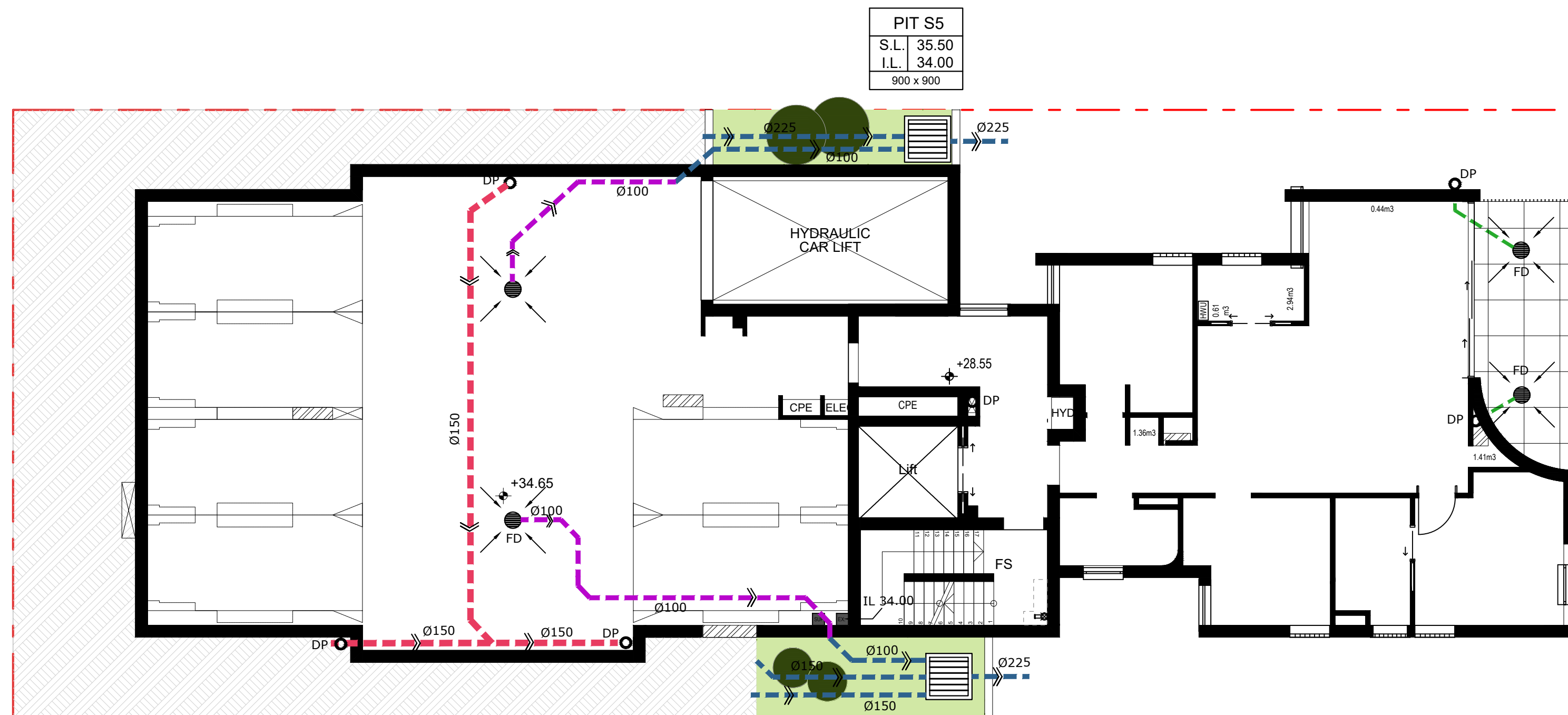
F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			
Revision	Amendment	Issue date	Issue	Issued to	Issue date



SUITE 303 / 29-31 LEXINGTON DRIVE
NORWEST BUSINESS PARK,
BELLA VISTA N.S.W. 2153
ALL CORRESPONDENCE TO:
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Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY
Client
ADJANI
Architect / Project Manager

Drawing Title GROUND FLOOR STORMWATER LAYOUT + SECTIONS & DETAILS			
Scales A1 - 1:100	Designed AP	Drafted AP	
Drawing No. C23181 - 102	Approved AC	Revision F	



FIRST FLOOR DRAINAGE PLAN

SCALE 1:100



LEVEL 01 DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

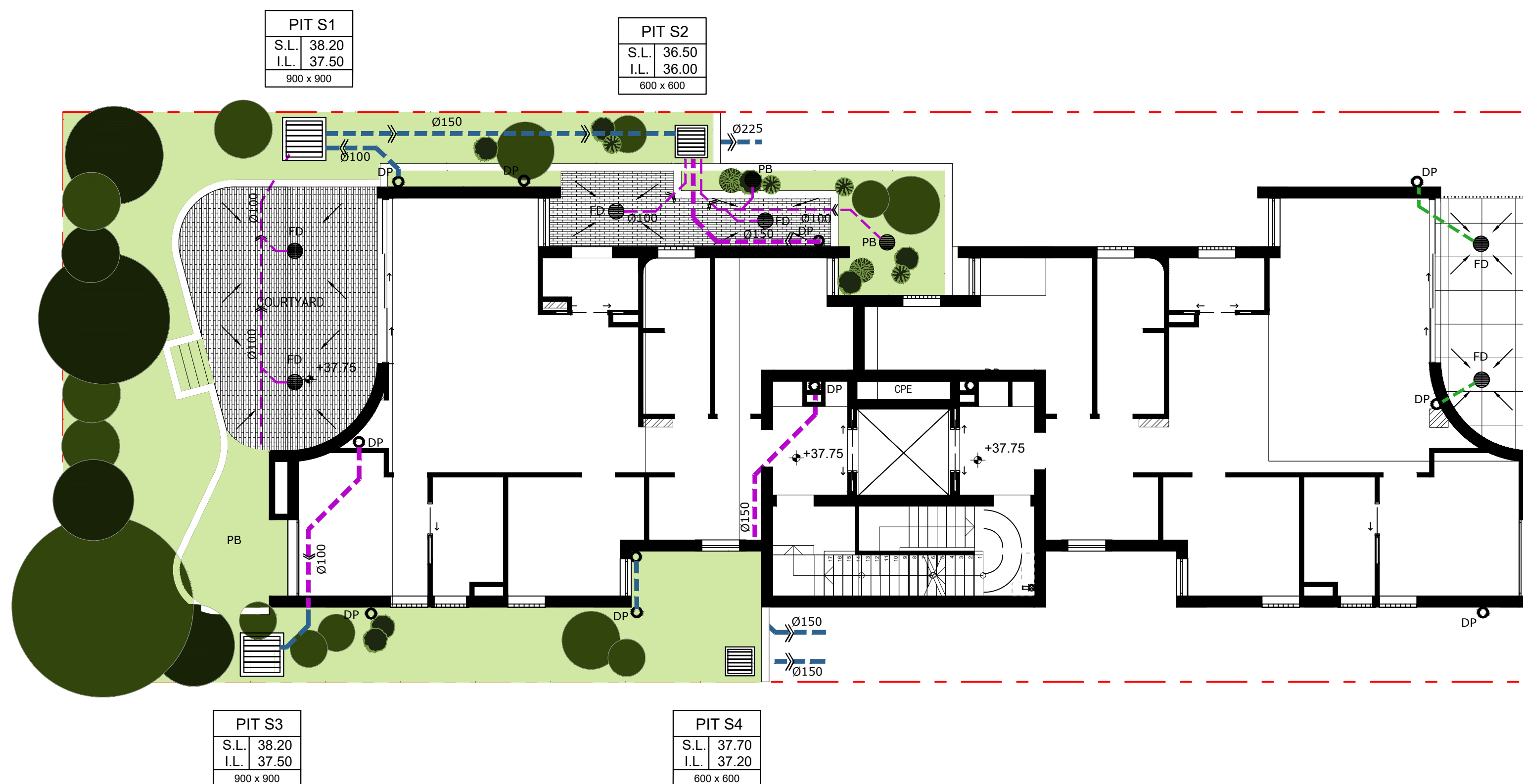
ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
S^{IP}_{mm} = RAINWATER SPREADER
RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

	UPVC PIPE TO PIT/OSD
	UPVC AERIAL PIPE TO OSD
	65Ø UPVC AERIAL PIPE IN SLAB
	UPVC AERIAL PIPE TO RWT



SECOND FLOOR DRAINAGE PLAN

SCALE 1:100

LEVEL 02 DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
S^{IP}_{mm} = RAINWATER SPREADER
RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

	UPVC PIPE TO PIT/OSD
	UPVC AERIAL PIPE TO OSD
	65Ø UPVC AERIAL PIPE IN SLAB

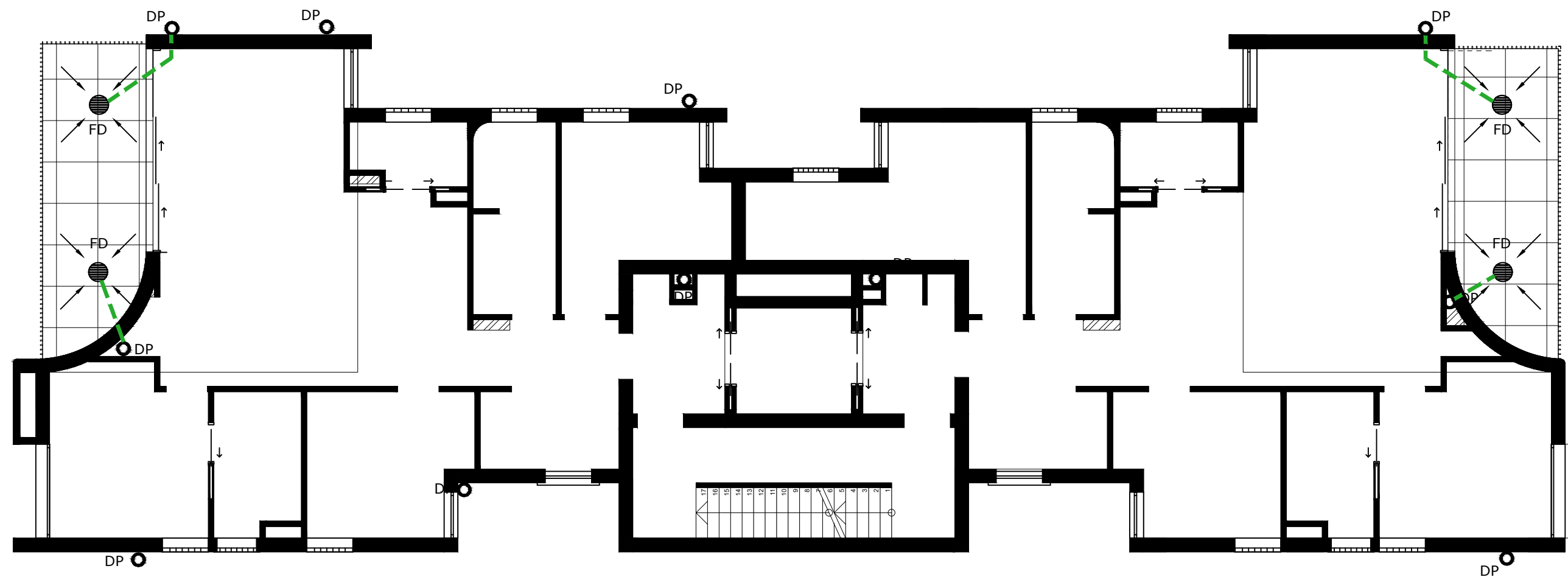
F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			
Revision	Amendment	Issue date	Issue	Issued to	Issue date



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Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY
Client
ADJANI
Architect / Project Manager
—

Drawing Title FIRST FLOOR & SECOND FLOOR STORMWATER LAYOUT			
Scales A1 — 1:100	Designed AP	Drafted AP	
Drawing No. C23181 — 103	Approved AC	Revision F	



THIRD FLOOR DRAINAGE PLAN

SCALE 1:100



LEVEL 03 DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

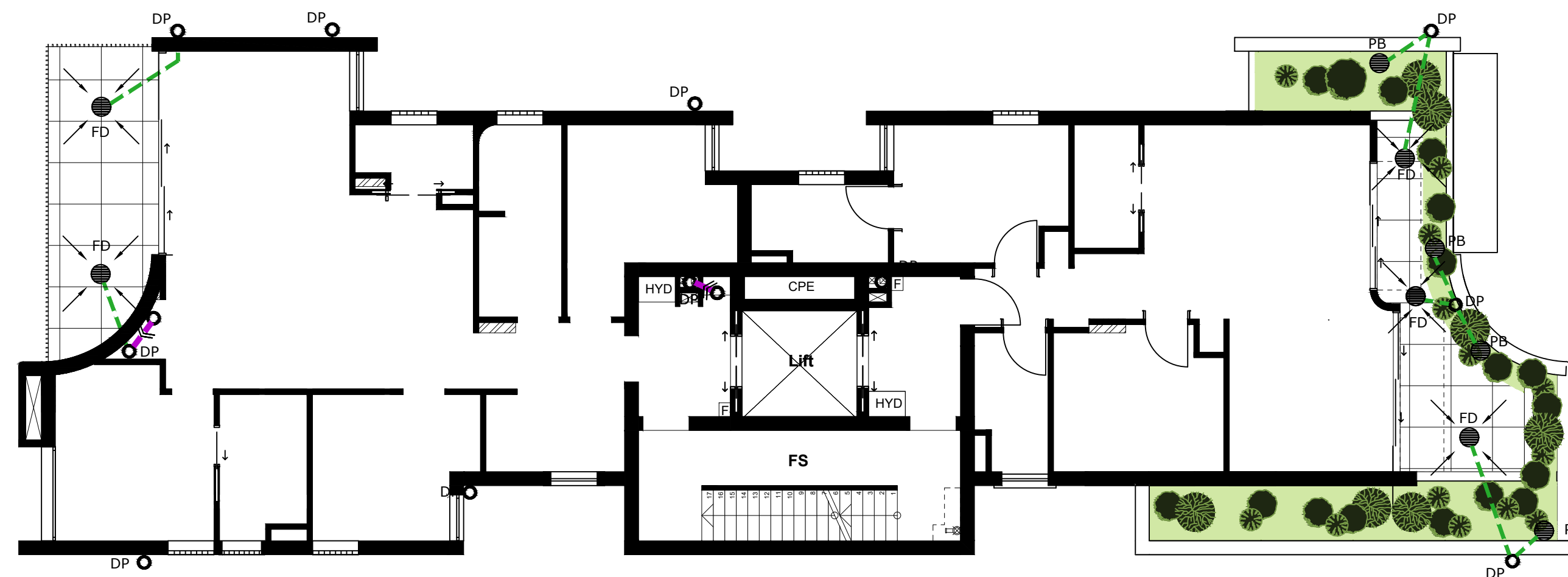
ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
S^{DP} = RAINWATER SPREADER
RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

---	UPVC PIPE TO PIT/OSD
---	UPVC AERIAL PIPE TO OSD
---	65Ø UPVC AERIAL PIPE IN SLAB



FOURTH FLOOR DRAINAGE PLAN

SCALE 1:100

LEVEL 04 DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN, UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
S^{DP} = RAINWATER SPREADER
RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

---	UPVC PIPE TO PIT/OSD
---	UPVC AERIAL PIPE TO OSD
---	65Ø UPVC AERIAL PIPE IN SLAB

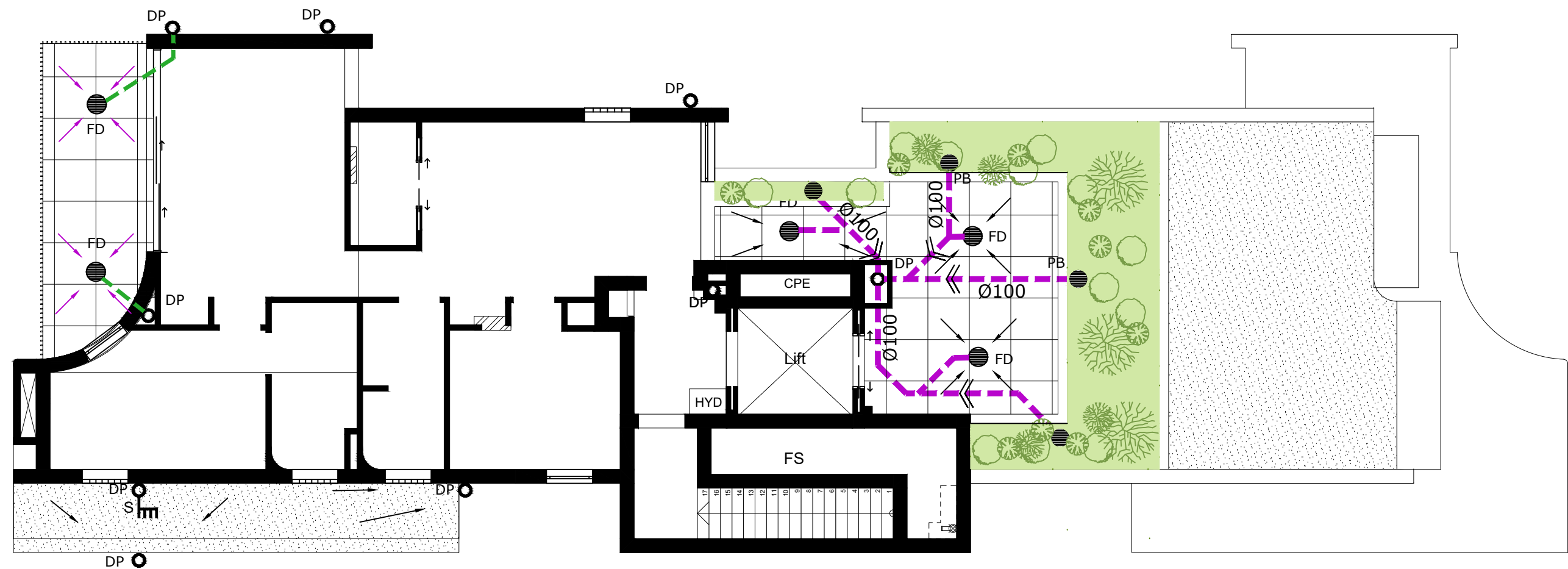
Revision	Amendment	Issue date	Issue	Issued to	Issue date
F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			



SUITE 303 / 29-31 LEXINGTON DRIVE
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EMAIL andrew@camconsulting.com.au

Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY
Client
ADJANI
Architect / Project Manager
—

Drawing Title			
THIRD FLOOR & FOURTH FLOOR STORMWATER LAYOUT			
Scales A1 — 1:100	Designed AP	Drafted AP	
Drawing No. C23181 — 104	Approved AC	Revision F	



FIFTH FLOOR DRAINAGE PLAN

SCALE 1:100



PLANS APPROVED BY THE LAND AND ENVIRONMENT COURT OF NSW

PROCEEDINGS NO: 2024/00362783

DATED: 23 July 2025

LEVEL 05 DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

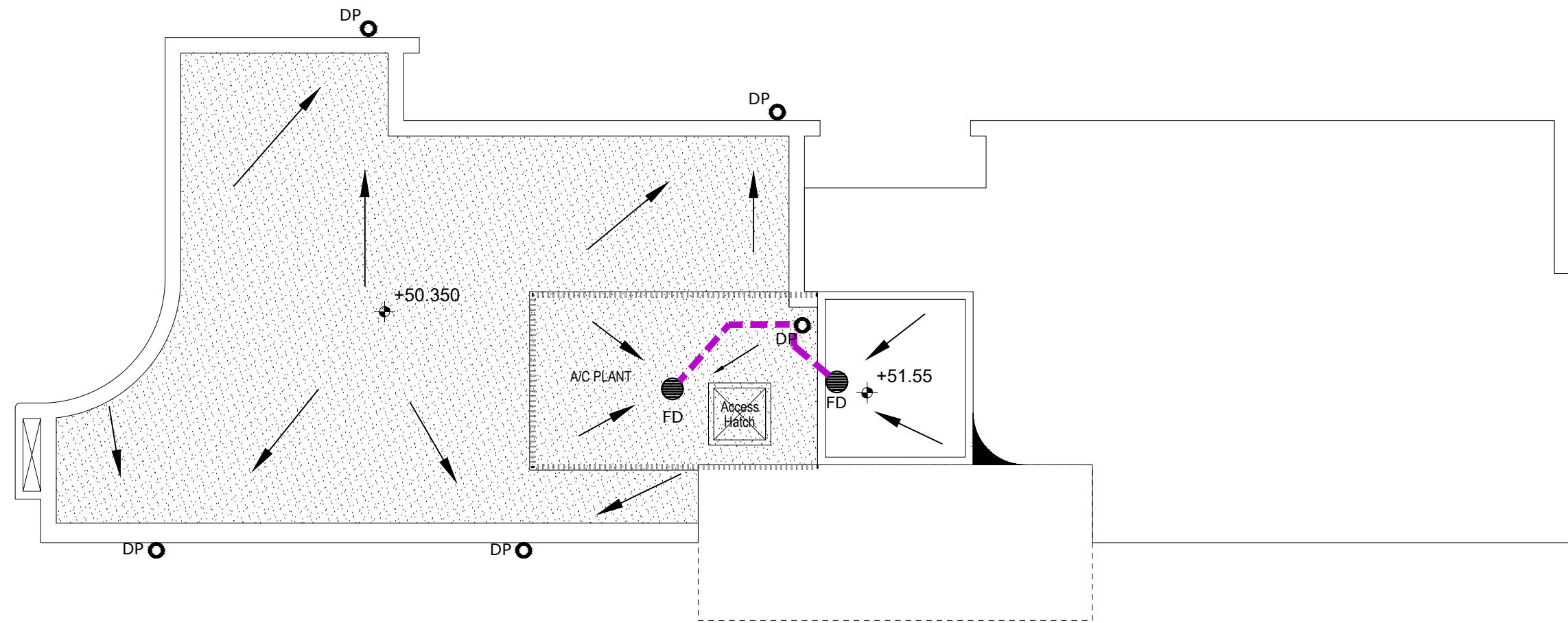
ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø100, UNO.
- FD = FLOOR OUTLET , REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL)
- 1000 = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300 x 300)
- FG = FLOOR GULLY Ø150
- S_{RP} = RAINWATER SPREADER
- RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

	UPVC PIPE TO PIT/OSD
	UPVC AERIAL PIPE TO OSD
	650 UPVC AERIAL PIPE IN SLAB



ROOF DRAINAGE PLAN

SCALE 1:100

ROOF DRAINAGE PLAN

1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO. FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm² MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø100, UNO.
- FD = FLOOR OUTLET , REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL)
- 1000 = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300 x 300)
- FG = FLOOR GULLY Ø150
- S_{RP} = RAINWATER SPREADER
- RL 6.20 = PROPOSED FINISHED SURFACE LEVEL

LEGEND

	UPVC PIPE TO PIT/OSD
	UPVC AERIAL PIPE TO OSD
	650 UPVC AERIAL PIPE IN SLAB

F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			
Revision	Amendment	Issue date	Issue	Issued to	Issue date



SUITE 303 / 29-31 LEXINGTON DRIVE
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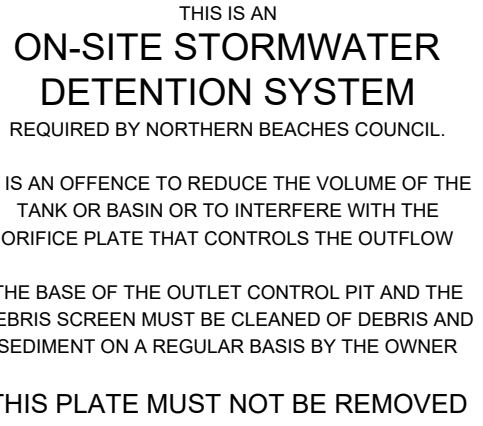
Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY
Client
ADJANI
Architect / Project Manager
—

Drawing Title	FIFTH FLOOR & ROOF STORMWATER LAYOUT		
Scales	A1 — 1:100	Designed AP	Drafted AP
Drawing No.	C23181 — 105	Approved AC	Revision F

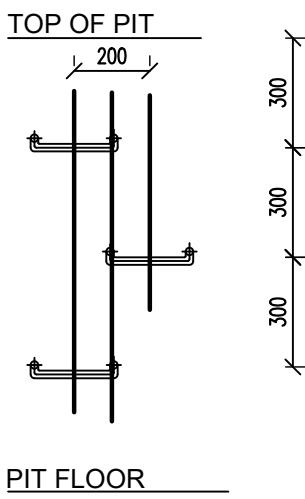
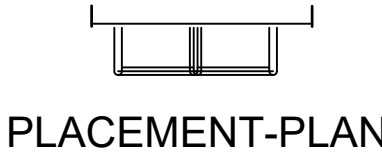


DETAIL - CONFINED SPACE SIGN

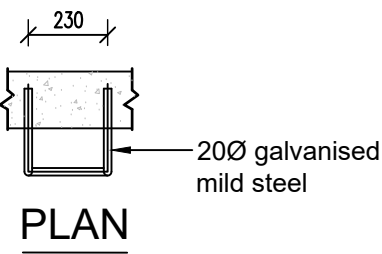
NTS
NOTE: CONFINED SPACE SIGN TO BE AFFIXED UNDER EACH ACCESS GRATE AT VISIBLE SPOT



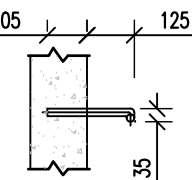
DETAIL - OSD SIGN



PLACEMENT ELEVATION



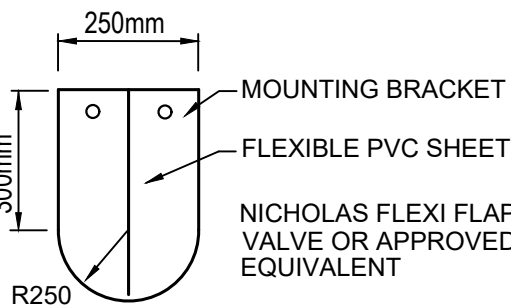
FRONT-ELEVATION



SIDE-ELEVATION

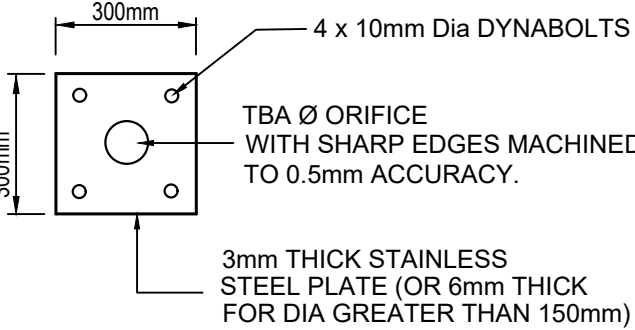
TYPICAL STEP IRONS

1:20



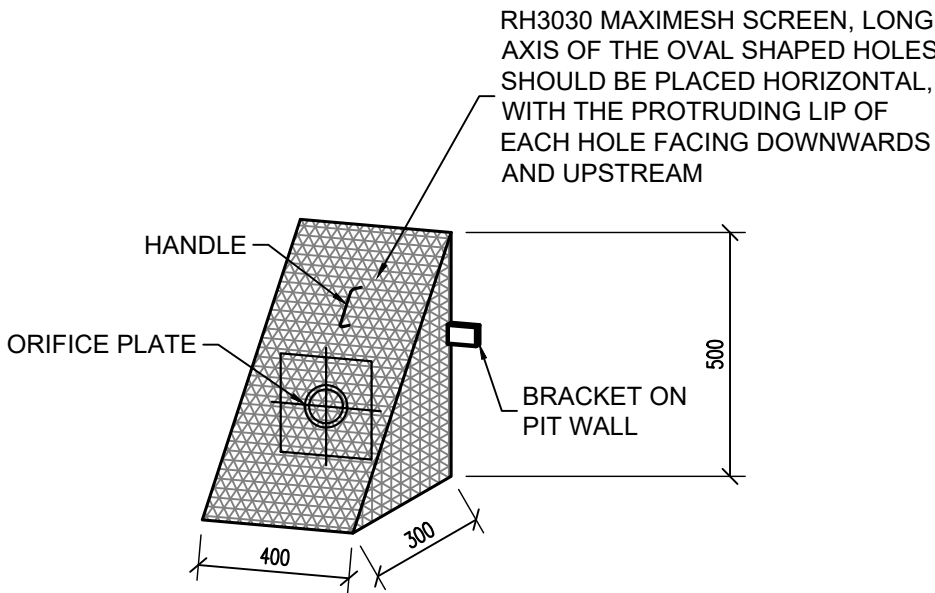
FLAP VALVE DETAIL

NTS



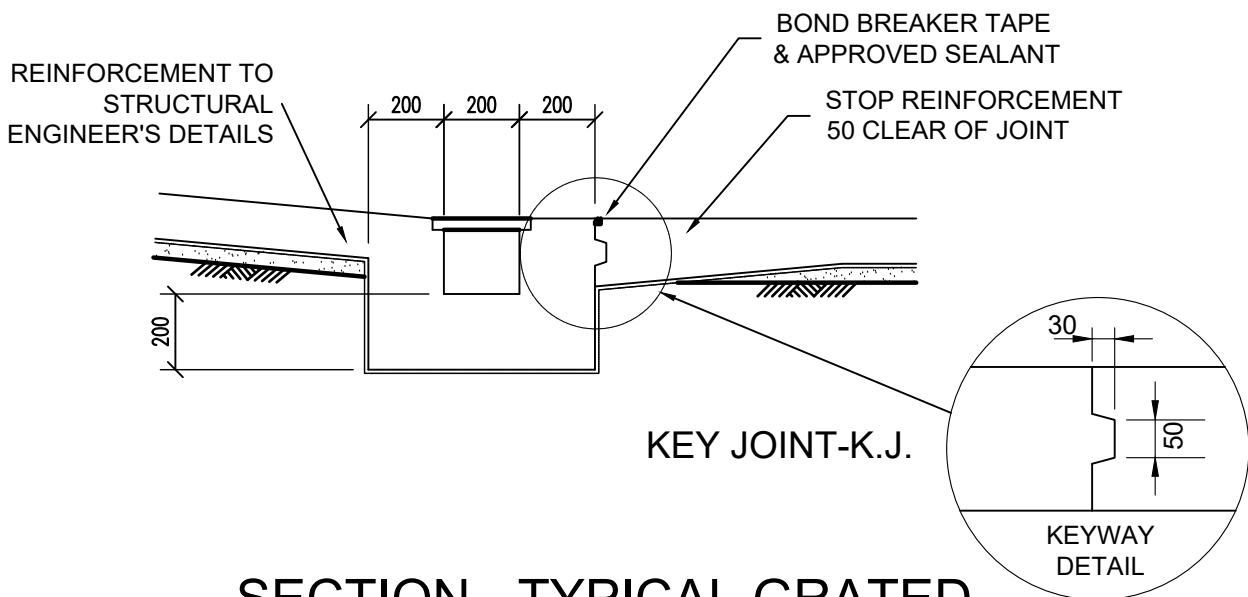
ORIFICE PLATE DETAIL

NTS



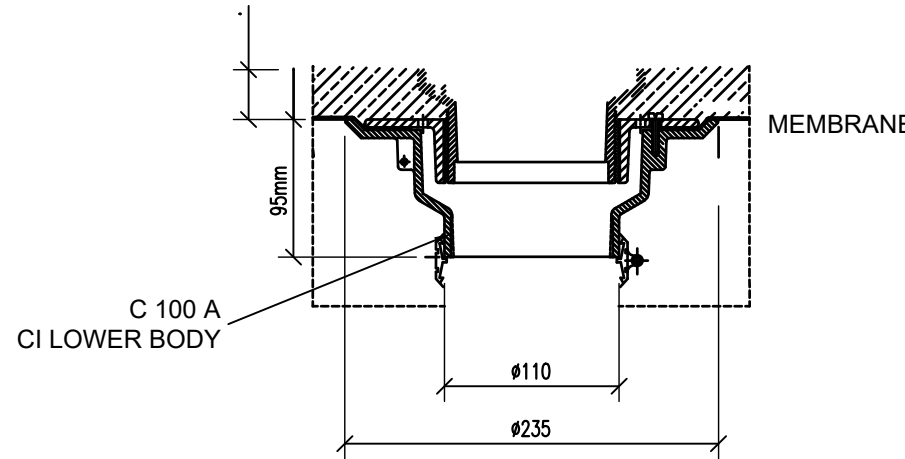
DETAIL - STANDARD TRASH SCREEN

1:20



SECTION - TYPICAL GRATED DRAIN

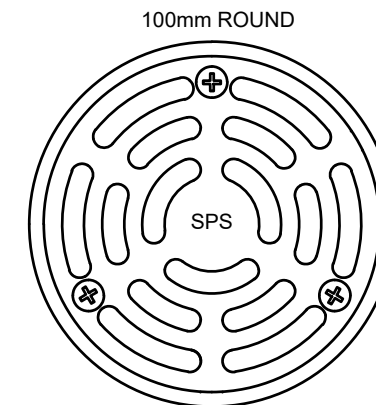
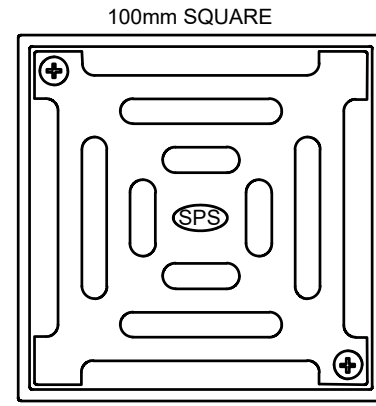
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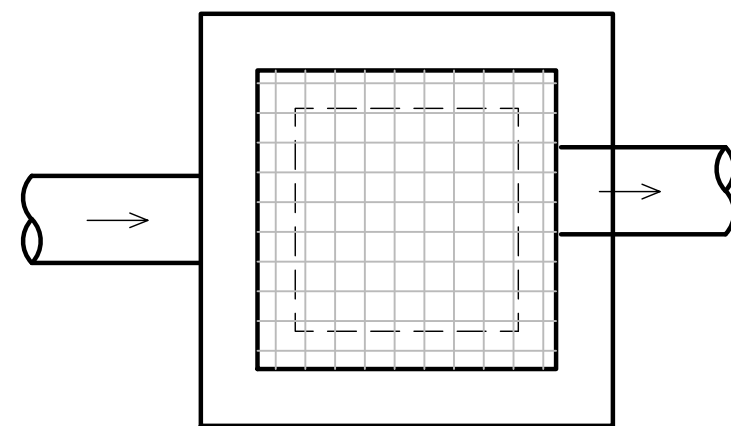
SECTION - SPS TRUFLO Ø150 OR EQUIVALENT FLOOR DRAIN (FD) INLET

1:5 @ A1

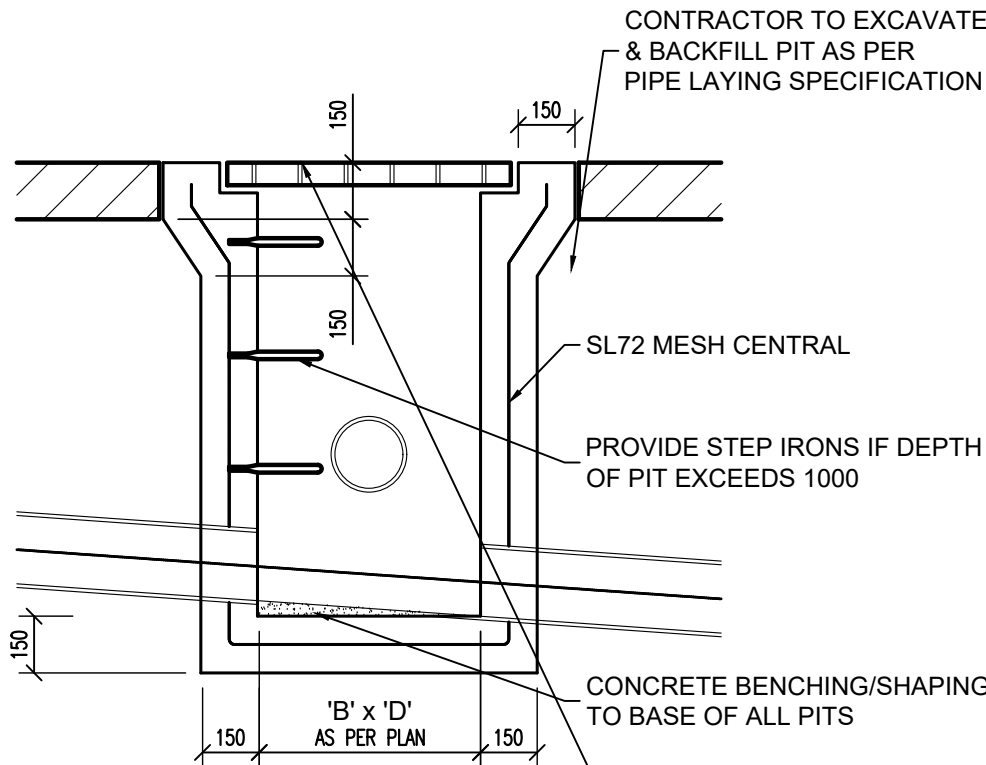
SPECIFICATION CODE:
R150 G/C (BRONZE GRATE, CI LOWER BODY)
R150N/C (NICKEL - BRONZE GRATE, CI LOWER BODY)
R150 S/C (316 STAINLESS STEEL GRATE, CI LOWER BODY)



TYPICAL APPLICATION



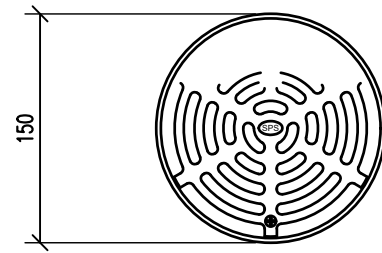
PLAN



SECTION - TYPICAL SURFACE INLET PIT

1:5 @ A1

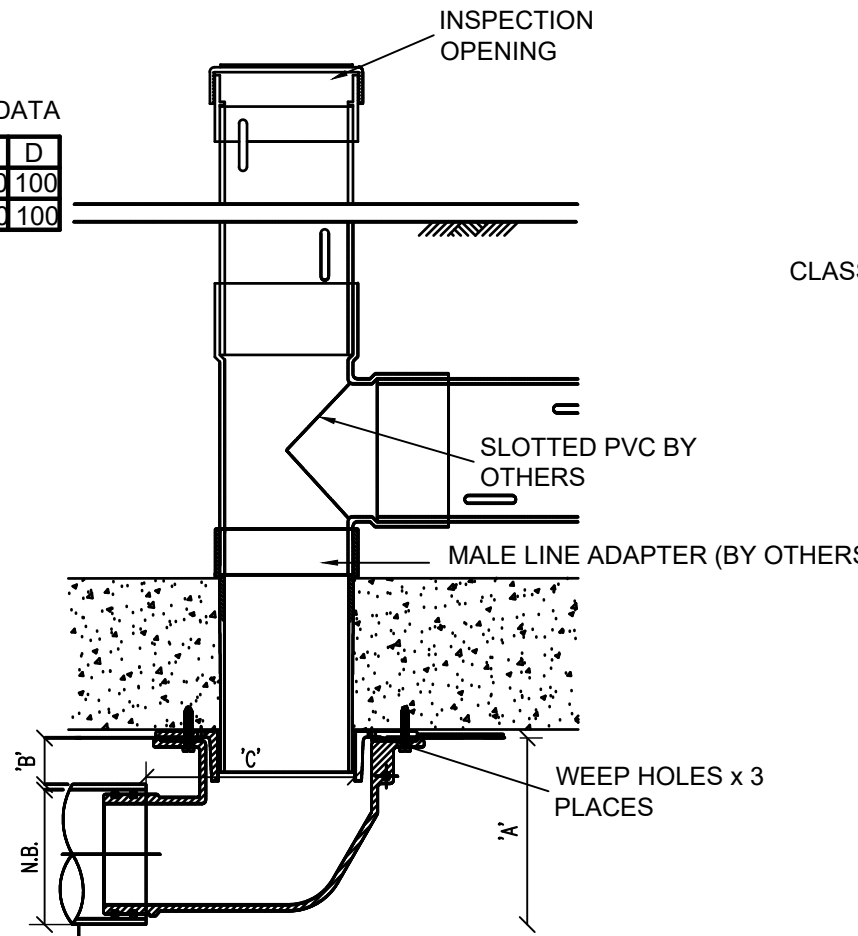
TYPICAL FOR ALL PITS IN DRIVEWAY/CARPARK AREAS



PLAN

DIMENSIONAL DATA

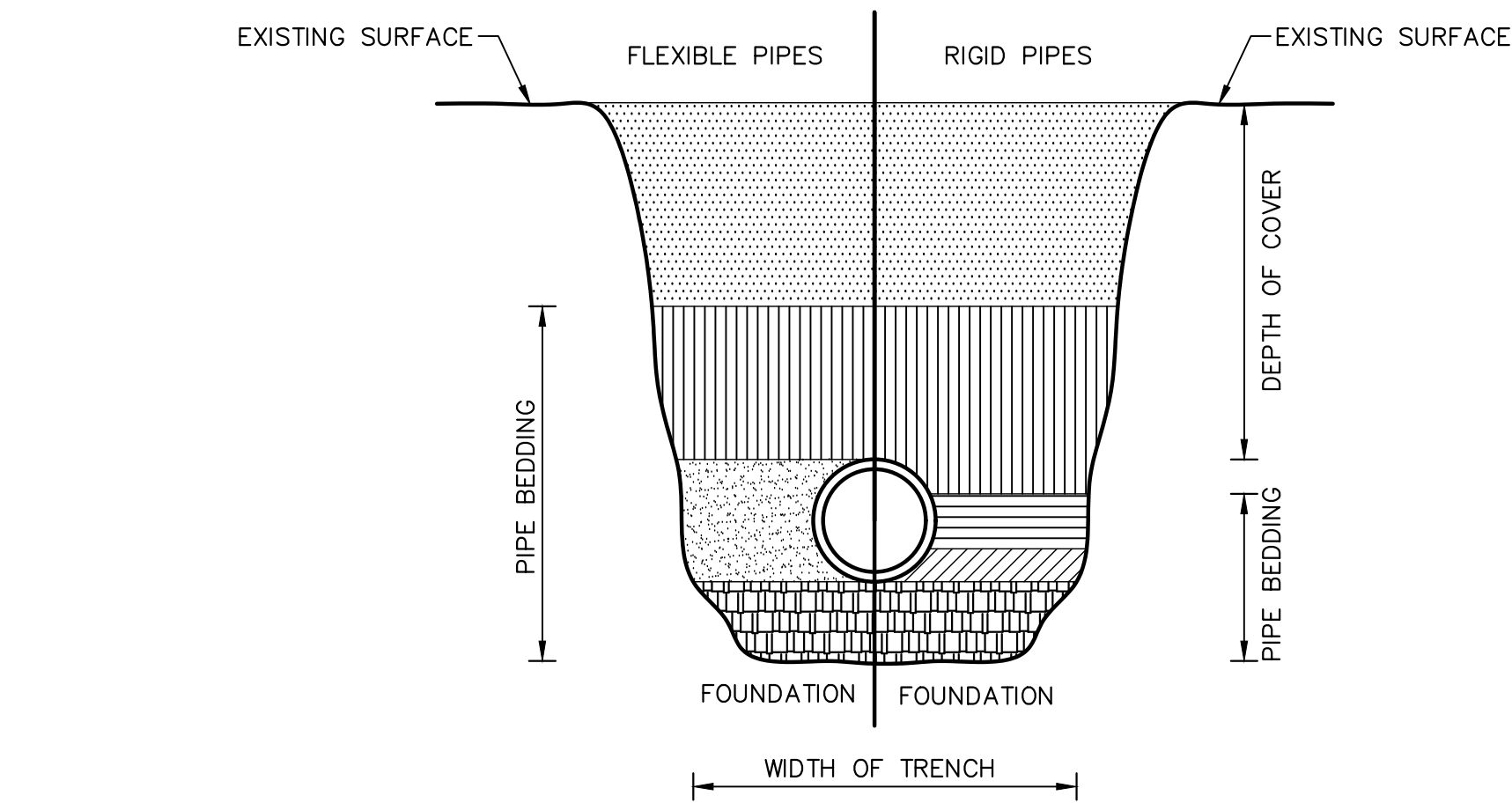
N	B	A	B	C	D
75	123	48	220	100	
100	148	49	220	100	



SECTION - SPS TRUFLO 100SQ OR EQUIVALENT PLANTER BOX DRAIN

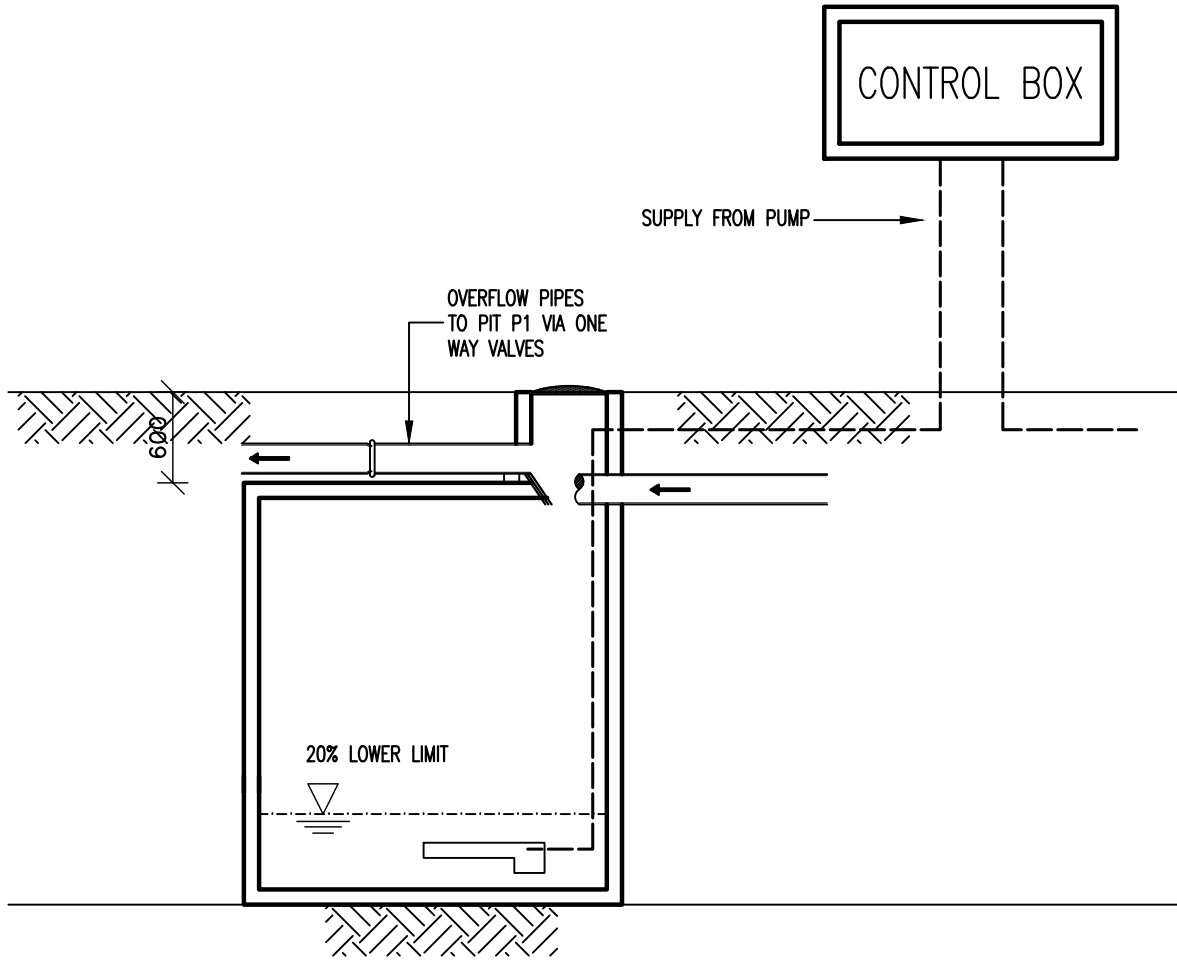
1:5

SPECIFICATION CODE:
C100/90 A 100mm SIDE OUTLET



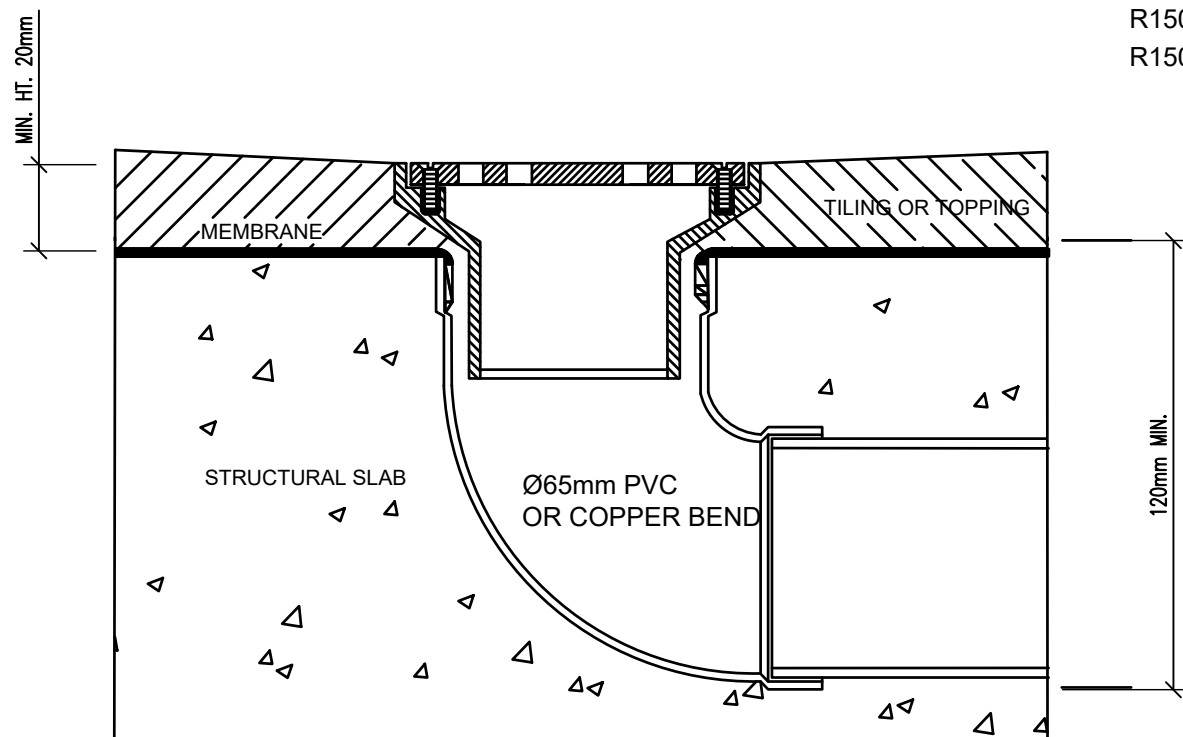
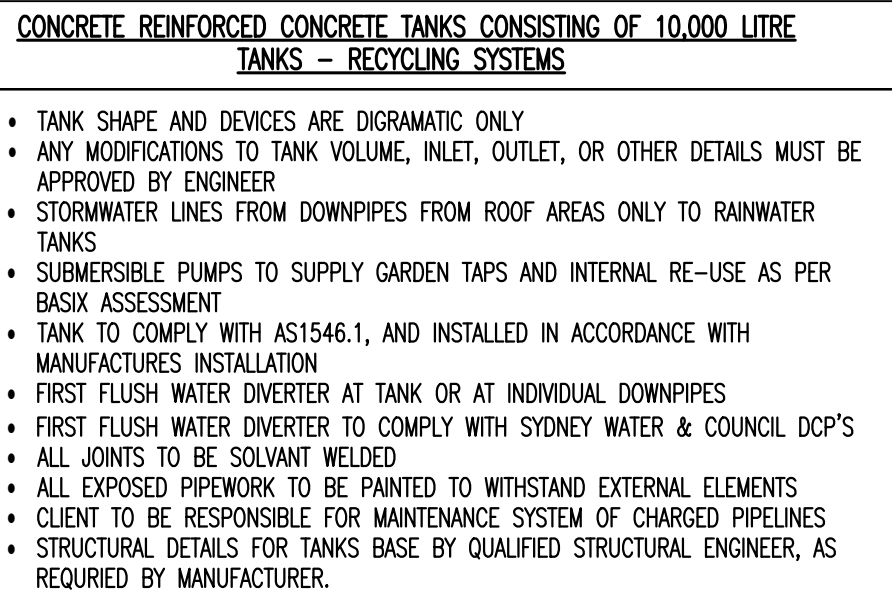
TYPICAL TRENCH DETAIL

NTS



CONCRETE RAINWATER TANK

NTS



SPS 100x50mm SPECIAL DROP-IN BALCONY DRAIN (BD)

NTS @ A1

SPECIFICATION CODE:
R100S2(ROUND 316 STAINLESS STEEL GRATE)
Q100S2(SQUARE 316 STAINLESS STEEL GRATE)



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Project
PROPOSED DEVELOPMENT
67 PACIFIC PARADE,
DEE WHY
Client
ADJANI
Architect / Project Manager

Drawing Title
STORMWATER SECTIONS & DETAILS

Scales A1 - 1:100	Designed AP	Drafted AP
Drawing No. C23181 - 106	Approved AC	Revision F

Revision	Amendment	Issue date	Issue	Issued to	Issue date
F	AMENDED AS ARCHITECTURAL CHANGES	15/04/25			
E	AMENDED AS PER COUNCIL COMMENTS	10/12/24			
D	AMENDED AS PER COUNCIL COMMENTS	02/12/24			
C	AMENDED AS PER ARCH COMMENTS	26/11/24			
B	AMENDED AS PER COUNCIL COMMENTS	12/11/24			
A	ISSUED FOR DA SUBMISSION	08/07/24			