



LEGEND - DEMOLITION

- EXTENT OF SITE BOUNDARY
- [Red dashed line] EXISTING STRUCTURES TO BE DEMOLISHED. REPAIR & REINSTATE ADJOINING SURFACES.
- EXISTING SITE WORKS TO BE REMOVED / DEMOLISHED
- [Green circle] EXISTING TREES TO REMAIN. REFER ALSO TO LANDSCAPE DRAWING.
- [Red circle] EXISTING TREES TO BE REMOVED. REFER ALSO TO LANDSCAPE DRAWING.
- + 58.03 EXISTING LEVELS

PERFORM ALL THE DEMOLITION AS SHOWN ON THE DRAWING AND/OR AS NECESSARY REQUIRED CARRYING OUT THE WORKS UNDER THE CONTRACT.

NB: CARE MUST BE TAKEN WHILE CARRING OUT THE WORKS.

PROTECT EXISTING PROPERTY FROM DAMAGE BY APPROPRIATE MEANS INCLUDING SHORING, STRUTTING, PROTECTIVE SCREENS, SHEETING AND THE LIKE.

REPAIR & REINSTATE ANY SUCH DAMAGE TO MATCH EXISTING.

EXISTING SERVICES: DEAL AS APPROPRIATE WITH EXISTING SERVICES INCLUDED IN OR ENCOUNTERED DURING THE COURSE OF THE DEMOLITIONS.

BEFORE DEMOLISHING AND REMOVING PARTS OF BUILDING HAVING ELECTRICAL WIRING, GAS, SEWER AND WATER PIPES, CONDUIT OR SIMILAR ITEMS EMBEDDED IN THEM, NOTIFY THE PROJECT MANAGER/ SUPERINTENDENT, AUTHORITIES HAVING JURISDICTION, AND MAKE SURE THAT THESE ITEMS ARE OUT OF SERVICE SO THAT THEY CAN BE REMOVED WITHOUT DANGER.

www.dialbeforeyoudig.com.au



DIAL 1100
BEFORE YOU DIG

1
-

DEMOLITION PLAN - OVERALL
1:800

- DO NOT SCALE FROM DRAWINGS. USE WRITTEN DIMENSIONS ONLY.
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Issue	Amendment	Date	Dwn	Chk
01	DA Issue	23/10/2024	MP	DD
03	Tennis Court Details Added	17/01/2025	MP	DD
04	AC Screen Added, Car Parking Extended, Hydrant Tanks Added	11/09/2025	MP	DD

Project North:



Client:

The Education Development
Association

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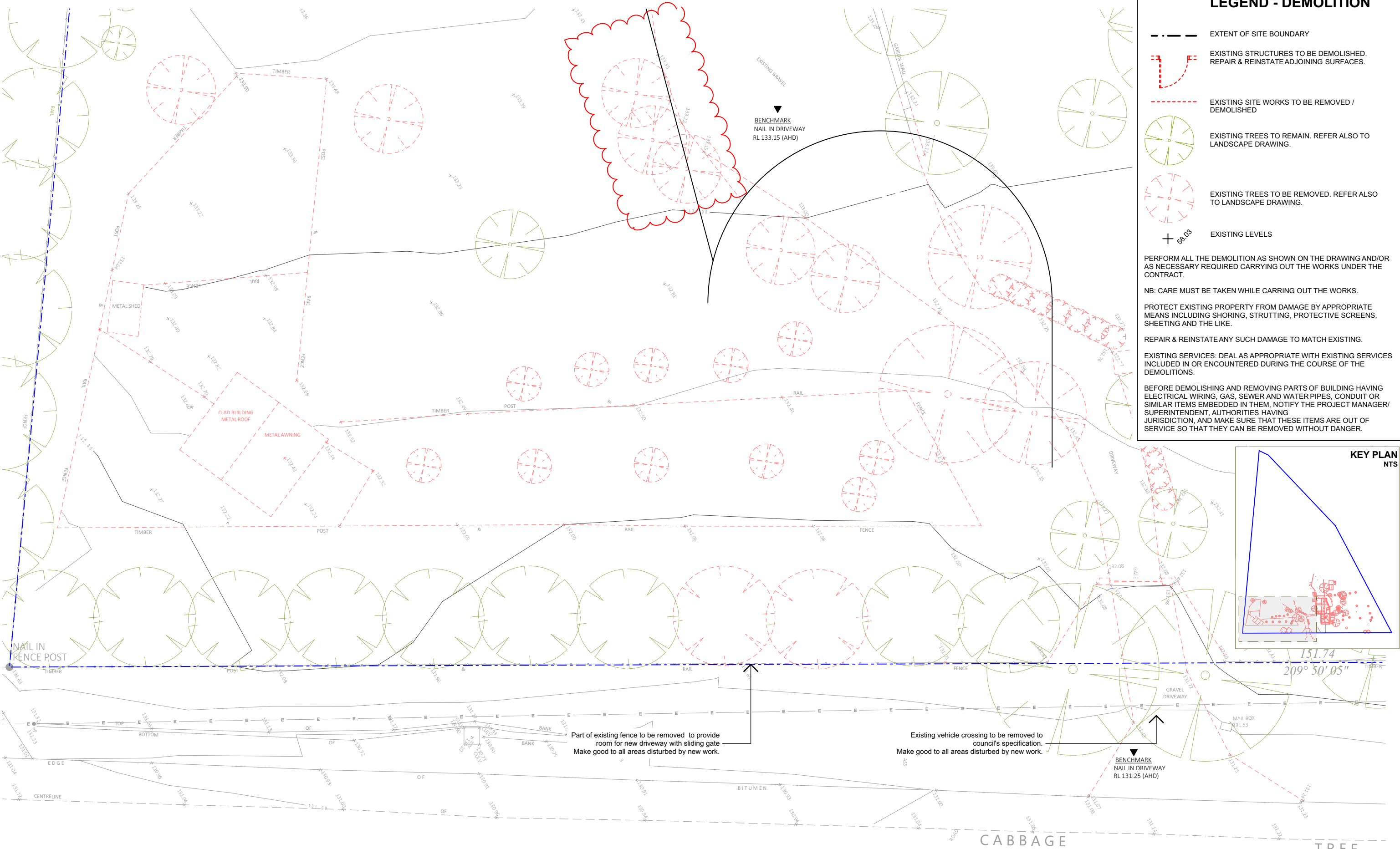
suite 1109, 31 lasso road gregory hills nsw 2557
w: www.dta.net.au | e: admin@dta.net.au | t: +612 9601 1011

Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **DEMOLITION PLAN - OVERALL**

Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEP0002060 AIA 62045	Scale: As shown @ A3	Drawn: MP	Job No. 2020.015	Drawing No. DA02	Revision 04
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Member
Australian Institute of Architects



LEGEND - DEMOLITION

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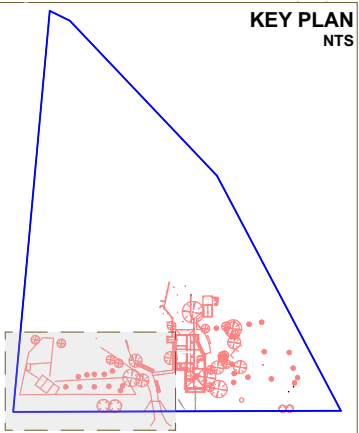
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KEY PLAN
NTS



Part of existing fence to be removed to provide room for new driveway with sliding gate. Make good to all areas disturbed by new work.

Existing vehicle crossing to be removed to council's specification. Make good to all areas disturbed by new work.

BENCHMARK
NAIL IN DRIVEWAY
RL 131.25 (AHD)

1
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Project North:



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Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **DEMOLITION PLAN - PART 1**

Scale:	Drawn:	Job No.	Drawing No.	Revision
As shown @ A3	MP	2020.015	DA03	04

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	EXISTING TREES TO BE REMOVED. REFER ALSO TO LANDSCAPE DRAWING.
	EXISTING LEVELS

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[illegible]

1:200

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04	AC Screen Added, Car Parking Extended, Hydrant Tanks Added	11/09/2025	MP	DD



Dwg Name: **DEMOLITION PLAN - PART 2**

Nominated Architect Daniel Dondi NSWAB 9068 ARBV 19868 NSW DEP0002060 AIA 62045		Scale: As shown @ A3	Drawn: MP	Job No. 2020.015	Drawing No. DA04	Revision 04
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LEGEND - DEMOLITION

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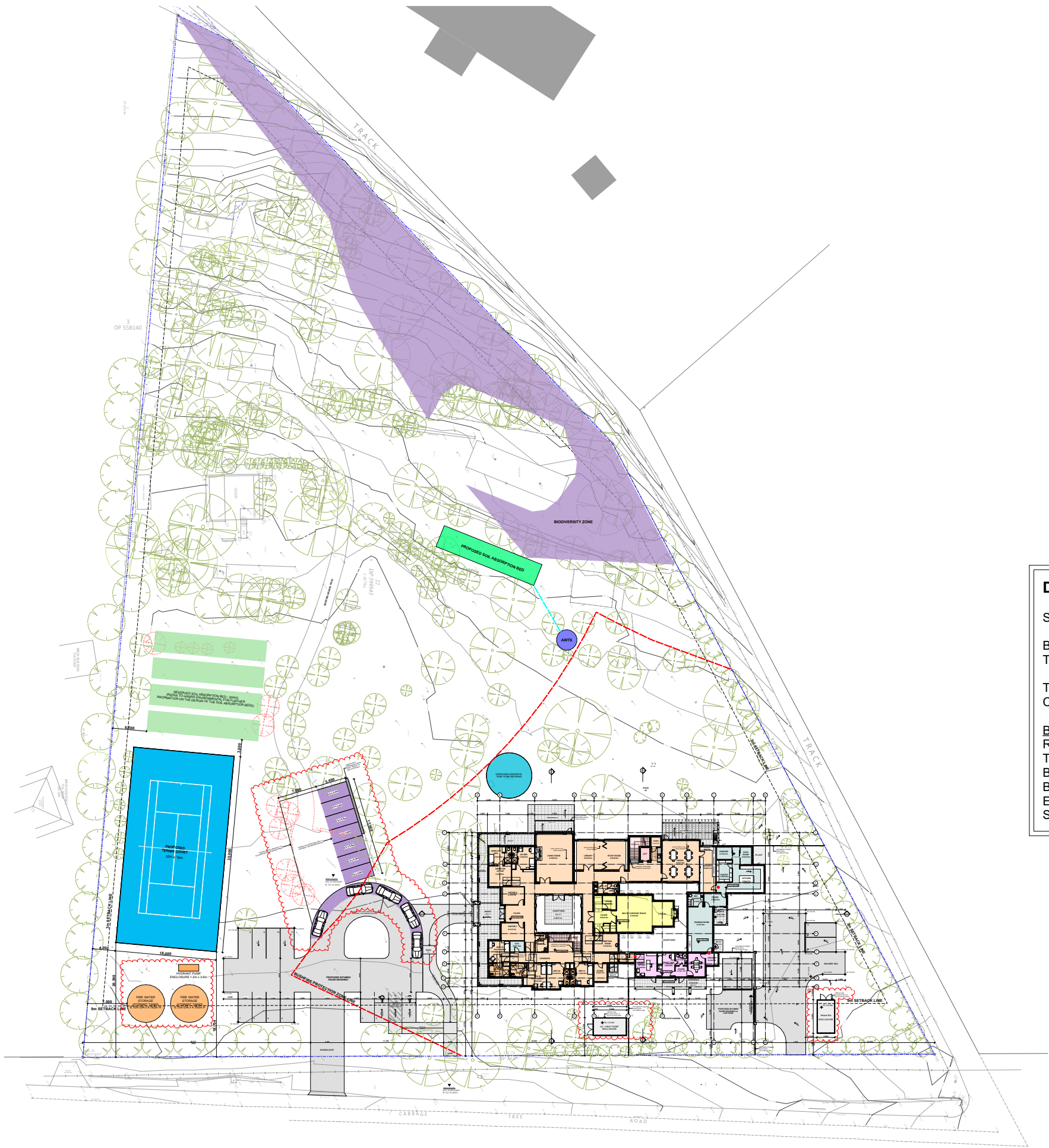
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04	AC Screen Added, Car Parking Extended, Hydrant Tanks Added	11/09/2025	MP	DD

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Dwg Name: **DEMOLITION PLAN - PART 3**

CAD File: S:\Data\3\2020\015.Grose Vale Study Centre\3.Design\3.2 DA\2020\015.Grose Vale Study Centre_DA.03 issue.pln						Australian Institute of Architects
Nominated Architect Daniel Donai		Scale:	Drawn:	Job No.	Drawing No.	Revision
NSWARB 9068 ARBV 19868 NSW DEP0002060 AIA 62045		As shown @ A3	MP	2020.015	DA05	04



SITE LEGEND	
	BIODIVERSITY ZONE
	EXISTING CONCRETE TANK TO BE RETAINED
	PROPOSED BORE HOLE LOCATION
	PROPOSED SOIL ABSORPTION BED
	PROPOSED CONCEPTUAL AERATED WASTEWATER TREATMENT SYSTEM (AWTS) LOCATION
	25mm POLY PIPE
	SITE BOUNDARY STORMWATER PITS REFER TO CIVIL ENGINEER'S DETAILS
	BITUMEN VEHICULAR PAVEMENT TO CIVIL ENGINEER'S DETAILS
	CONCRETE PAVEMENT TO CIVIL/STRUCTURAL ENGINEER'S DETAILS
	EXISTING LEVELS, REFER TO SURVEY
	NEW PROPOSED LEVELS TO CIVIL ENGINEER'S DETAILS
	HOSE TAP REFER TO HYDRAULIC ENGINEER'S DETAILS
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED

DEVELOPMENT DATA

Site Area:	16,270.0m ²
Building Area:	1,377.00m ²
Total Building Area with verandah & porches	1,402.30m ²
Total Car Parking:	15
Car Parking Spaces:	2500 x 5500mm
BCA Requirements:	
Rise in Storey:	1
Type of Construction:	Type 'C'
Building Volume:	< 12,000m ³
Building Floor Area:	< 2,000m ²
External P.C Walls FRL:	90/90/90
Sprinklers:	Not Required.

SITE PLAN - OVERALL
1:800

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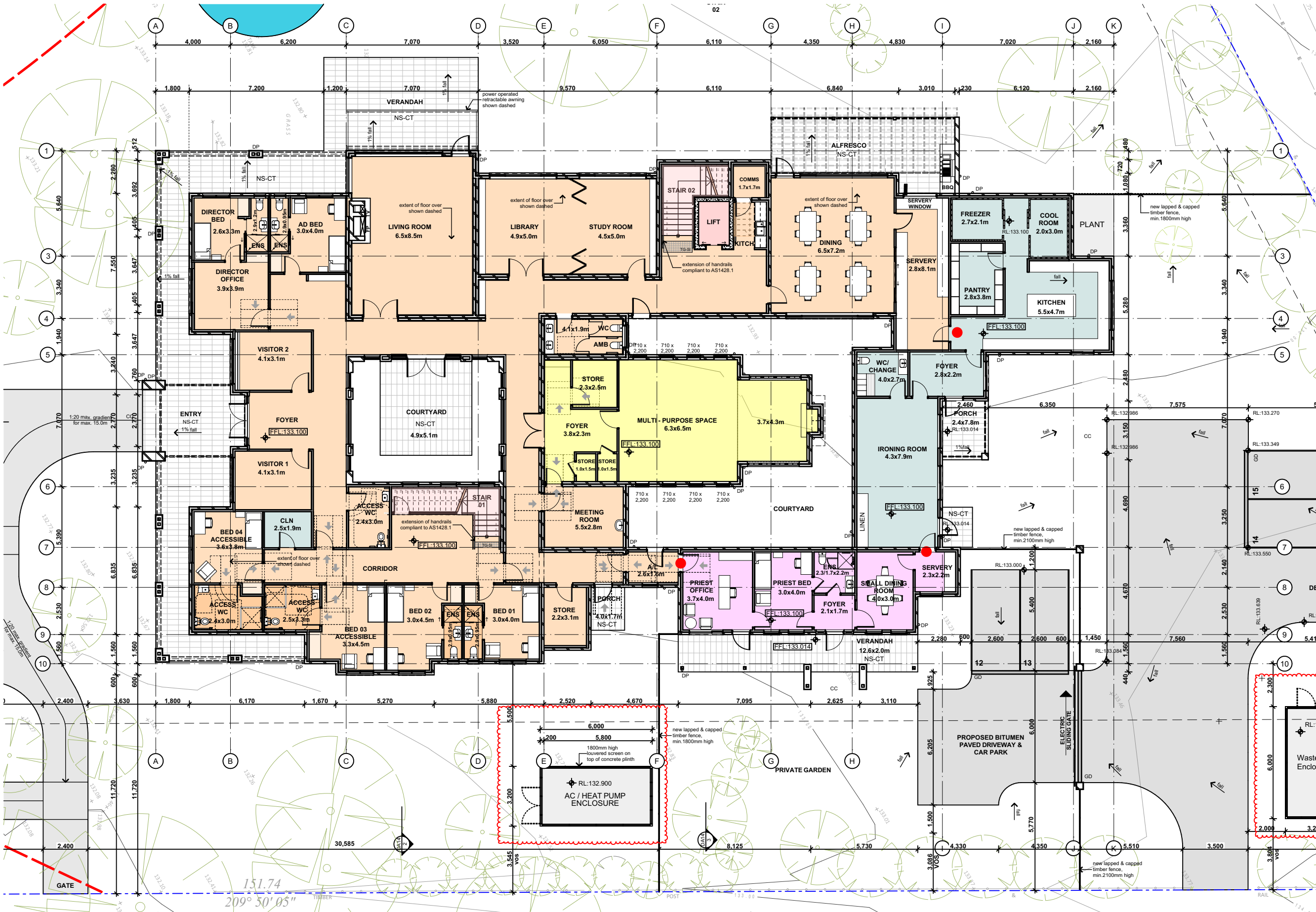
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Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **SITE PLAN - OVERALL**

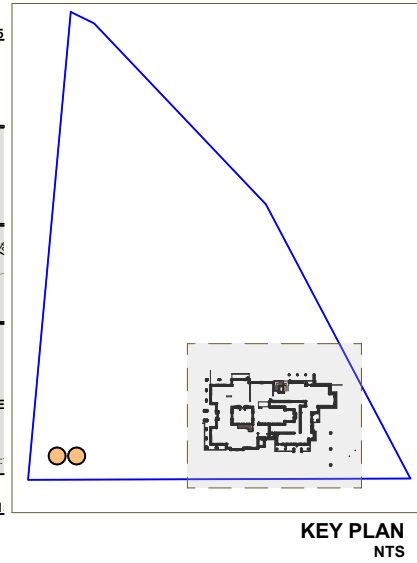
Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEP0002060 AIA 62045		Scale: As shown @ A3	Drawn: MP	Job No. 2020.015	Drawing No. DA06	Revision 04
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SITE LEGEND

- BIODIVERSITY ZONE
- EXISTING CONCRETE TANK TO BE RETAINED
- PROPOSED BORE HOLE LOCATION
- PROPOSED SOIL ABSORPTION BED
- PROPOSED CONCEPTUAL AERATED WASTEWATER TREATMENT SYSTEM (AWTS) LOCATION
- 25mm POLY PIPE
- SITE BOUNDARY
- STORMWATER PITS REFER TO CIVIL ENGINEER'S DETAILS
- BITUMEN
- BITUMEN VEHICULAR PAVEMENT TO CIVIL ENGINEER'S DETAILS
- CC
- CONCRETE PAVEMENT TO CIVIL/STRUCTURAL ENGINEER'S DETAILS
- + 5.00
- EXISTING LEVELS, REFER TO SURVEY
- + RL 5.00
- NEW PROPOSED LEVELS TO CIVIL ENGINEER'S DETAILS
- + HT
- HOSE TAP REFER TO HYDRAULIC ENGINEER'S DETAILS
- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED



SITE /GROUND FLOOR PLAN PLAN - PART 1
1:200

2
-

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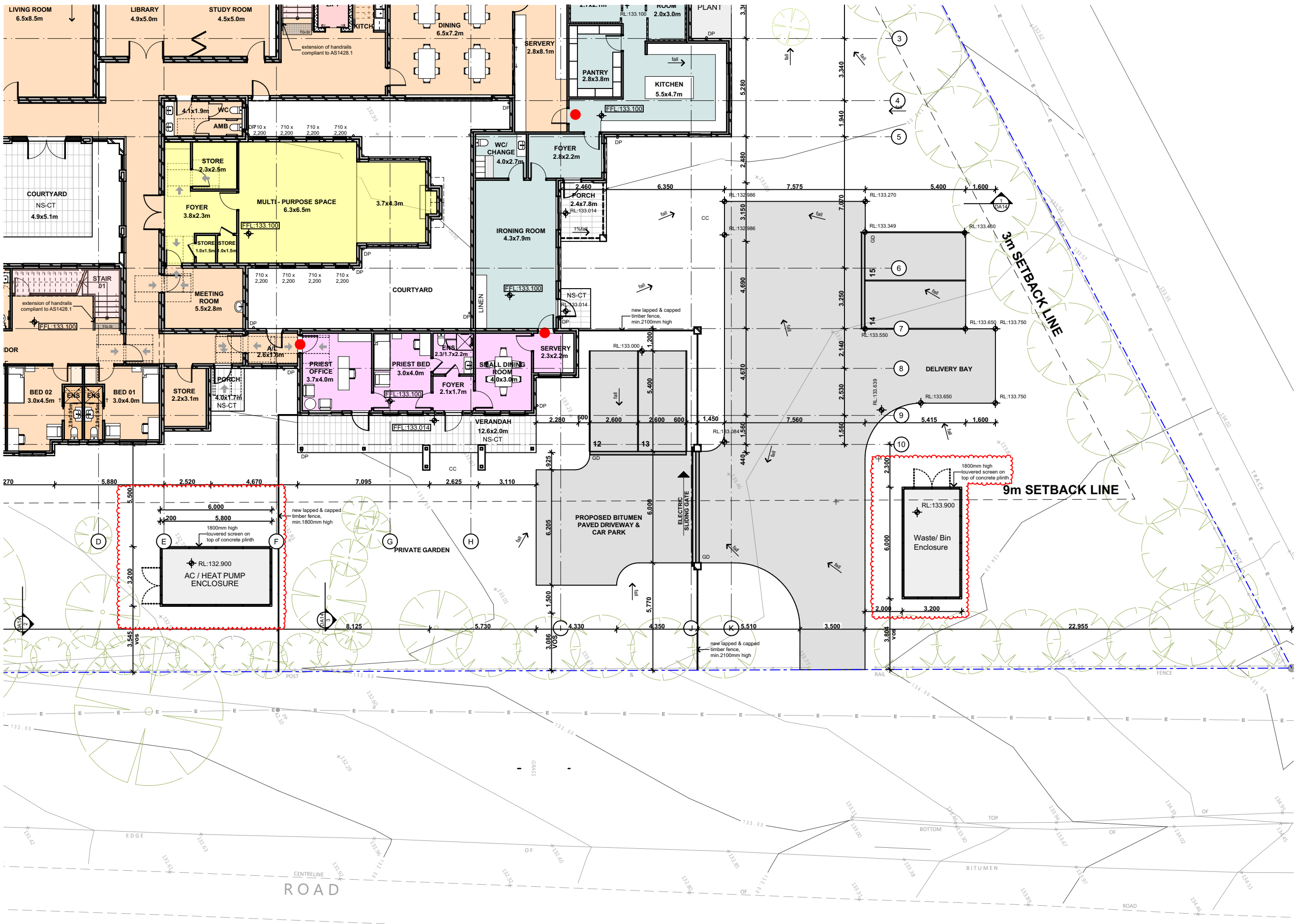
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Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **SITE PLAN / GROUND FLOOR - PART 1**

Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEPO002060 AIA 62045	Scale: As shown @ A3	Drawn: MP	Job No: 2020.015	Drawing No: DA07	Revision: 04
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BIODIVERSITY ZONE

EXISTING CONCRETE TANK TO BE RETAINED

PROPOSED BORE HOLE LOCATION

PROPOSED SOIL ABSORPTION BED

PROPOSED CONCEPTUAL AERATED WASTEWATER TREATMENT SYSTEM (AWTS) LOCATION

25mm POLY PIPE

SITE BOUNDARY

STORMWATER PITS REFER TO CIVIL ENGINEER'S DETAILS

BITUMEN

BITUMEN VEHICULAR PAVEMENT TO CIVIL ENGINEER'S DETAILS

CC

CONCRETE PAVEMENT TO CIVIL/STRUCTURAL ENGINEER'S DETAILS

+ 5.00

EXISTING LEVELS, REFER TO SURVEY

+ RL 5.00

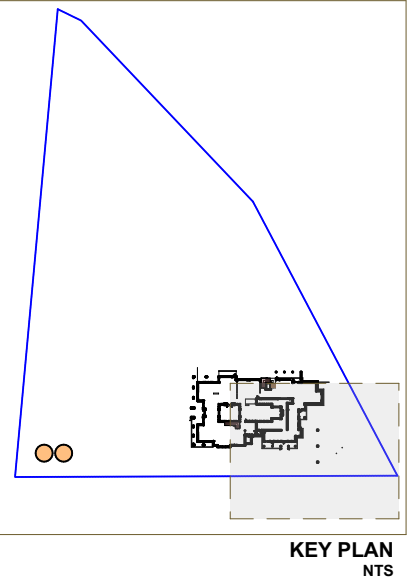
NEW PROPOSED LEVELS TO CIVIL ENGINEER'S DETAILS

+ HT

HOSE TAP REFER TO HYDRAULIC ENGINEER'S DETAILS

EXISTING TREE TO BE RETAINED

EXISTING TREE TO BE REMOVED



2
-

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Client: The Education Development Association

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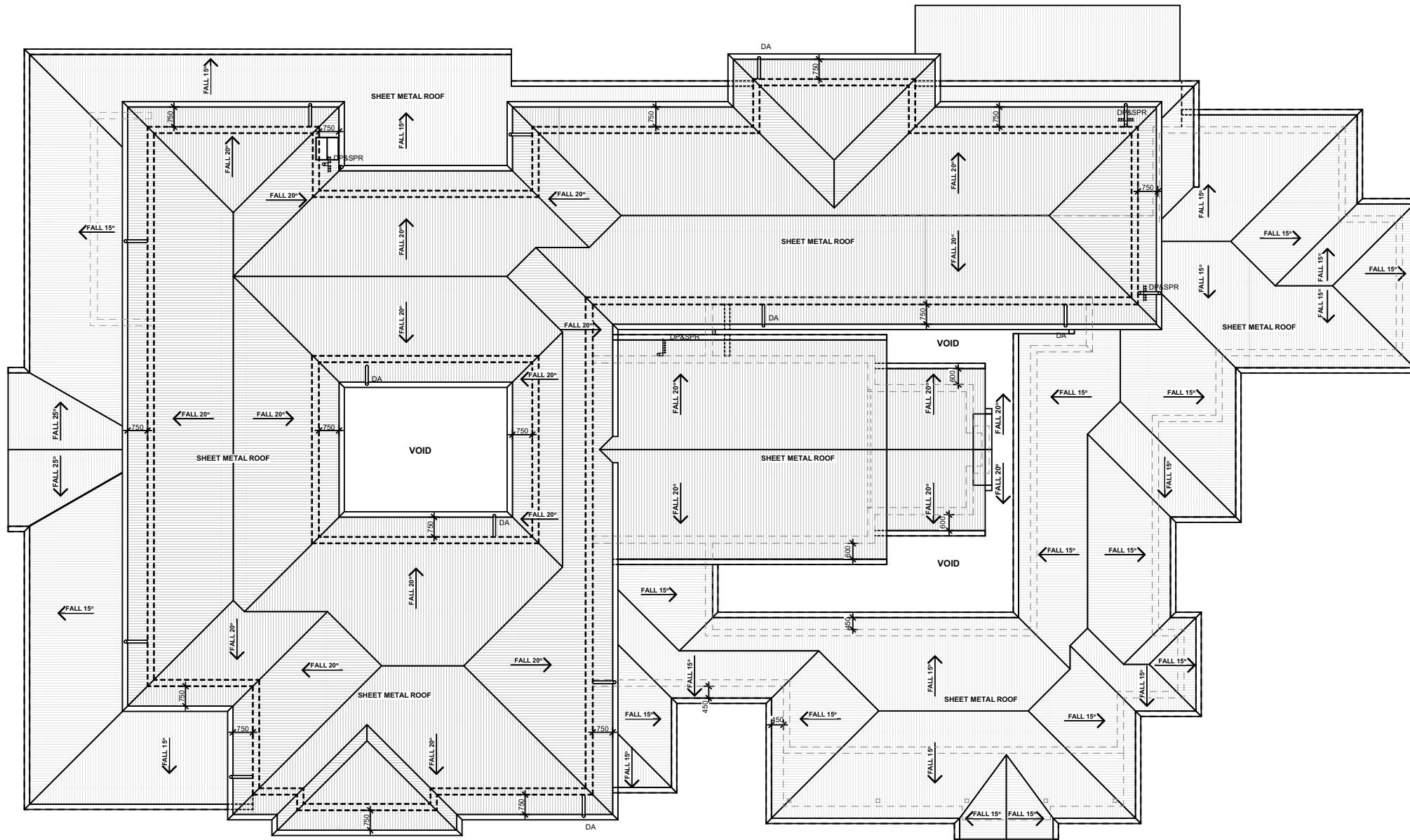
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Project: Grose Vale Study Centre
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: SITE PLAN / GROUND FLOOR - PART 2

Scale:	Drawn:	Job No.	Drawing No.	Revision
As shown @ A3	MP	2020.015	DA08	04



3m SETBACK LINE

9m SETBACK LINE

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Project North:



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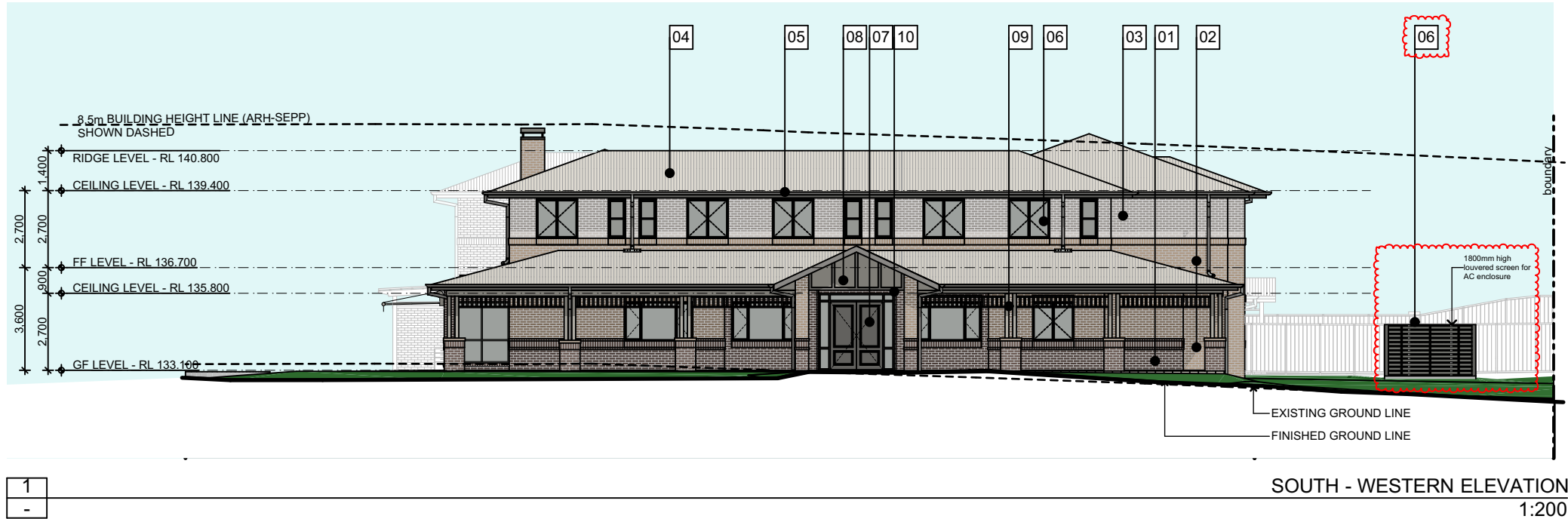
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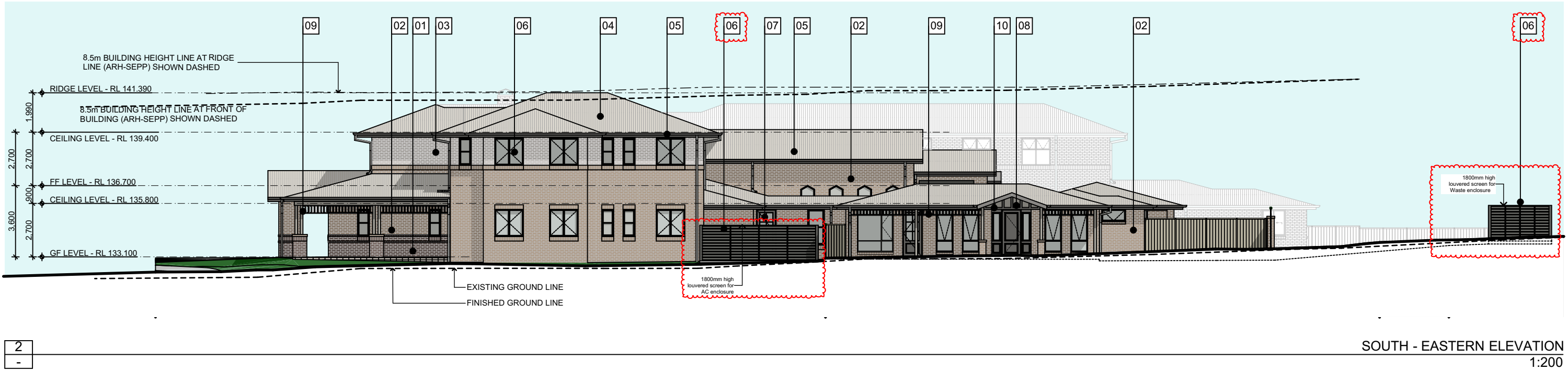
Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **ROOF PLAN**

CAD File: S:\Data\3\2020\2020.015.Grose Vale Study Centre\3 Design\3.2 DA\2020.015.Grose Vale Study Centre - DA.03 issue.dwg	Scale:	Drawn:	Job No.	Drawing No.	Revision
Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEPO002060 AIA 62045	As shown @ A3	MP	2020.015	DA11	04



EXTERNAL FINISHES SCHEDULE	
1	WALL Face Brick type 1 Austral: Range - Everyday Life, Colour - Freedom
2	WALL Face Brick Austral: Range - Everyday Life, Colour - Leisure
3	WALL Face Brick Austral: Range - Hampton, Colour - Whitehaven
4	ROOF SHEET (SMR) - Sheet Metal Roof Custom Orb Accent 21, Colour - Colorbond Dune
5	GUTTER / DOWNPIPE / BARGE BOARD / FASCIA Colorbond, Wallaby
6	WINDOW / GLAZED DOOR FRAMES / LOUVERED AC SCREEN Aluminium Powdercoat - Dulux Woodland Grey Satin
8 9	FC GABLE CLADDING Colour - Dulux Colorbond Dune COLUMNS & FRETWORK Timber, Paint finish, Dulux Colorbond Dune
7 10	SOLID CORE DOORS & FRAMES Paint Finish, Dulux Wallaby FRETWORK TO GABLE ROOFS Timber, Paint finish, Dulux Wallaby



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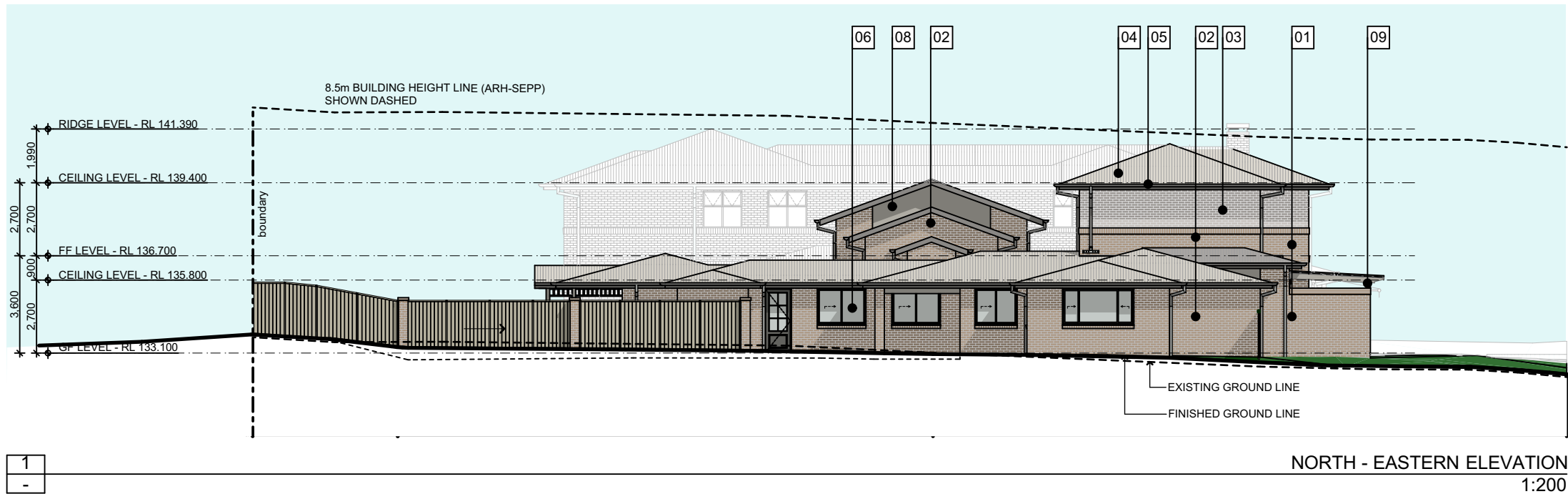
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Dwg Name: **ELEVATIONS**

Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEPO002060 AIA 62045	Scale: As shown @ A3	Drawn: MP	Job No. 2020.015	Drawing No. DA12	Revision 04
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EXTERNAL FINISHES SCHEDULE

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2	WALL Face Brick Austral: Range - Everyday Life, Colour - Leisure
3	WALL Face Brick Austral: Range - Hampton, Colour - Whitehaven
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5	GUTTER / DOWNPIPE / BARGE BOARD / FASCIA Colorbond, Wallaby
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7 10	SOLID CORE DOORS & FRAMES Paint Finish, Dulux Wallaby FRETWORK TO GABLE ROOFS Timber, Paint finish, Dulux Wallaby



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ARCHITECTS

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Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **ELEVATIONS**

Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEPO002060 AIA 62045	Scale: As shown @ A3	Drawn: MP Job No. 2020.015	Drawing No. DA13	Revision 04
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Architectural section drawing of a two-story building. The drawing shows internal rooms including three bedrooms (BEDROOM 02, BEDROOM 06, BEDROOM 13), a living room, a courtyard, and corridors. The roof is gabled with a 20.00° pitch. The drawing includes detailed annotations for roof structure, floor levels, and ground lines.

Left Side Annotations:

- colorbond roof sheeting fixed to roof framing
- RIDGE LEVEL - RL 140.800
- colorbond finish roof, barge board, fascia, gutters & downpipes
- PITCHING HEIGHT - RL 139.470
- CEILING LEVEL - RL 139.400
- plasterboard lined ceiling
- face brick finish wall
- power operated retractable awning
- FF LEVEL - RL 136.700
- PITCHING HEIGHT - RL 136.100
- CEILING LEVEL - RL 135.800
- reinforced concrete slab to structural engineer's details
- plasterboard lined ceiling
- GF LEVEL - RL 133.100
- existing ground line shown dotted
- reinforced concrete slab & footings to structural engineer's details

Right Side Annotations:

- 8.5m BUILDING HEIGHT LINE (ARH-SEPP) SHOWN DASHED
- RIDGE LEVEL - RL 141.390
- CEILING LEVEL - RL 139.400
- FF LEVEL - RL 136.700
- CEILING LEVEL - RL 135.800
- GF LEVEL - RL 133.100
- finished ground line

Internal Labels:

- BEDROOM 13
- CORRIDOR
- LIVING ROOM
- COURTYARD
- BEDROOM 06
- CORRIDOR
- BEDROOM 02

Other Labels:

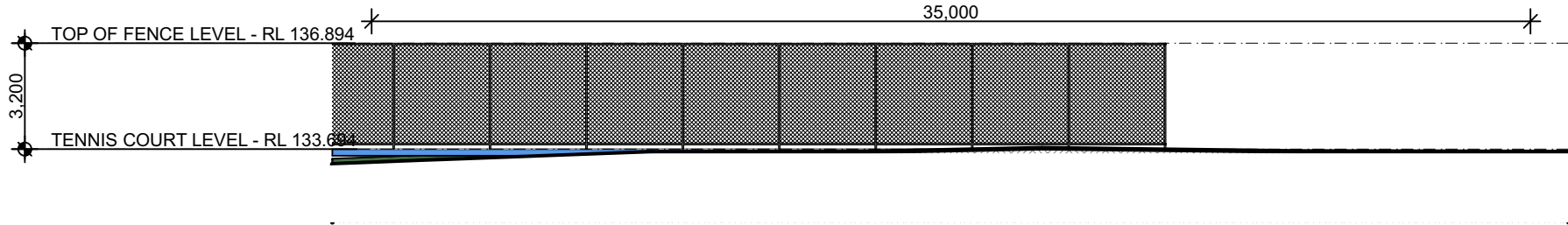
- plasterboard lined ceiling
- 1800mm high louvered screen for AC enclosure
- face brick finish wall
- plasterboard lined ceiling
- boundary

2
-

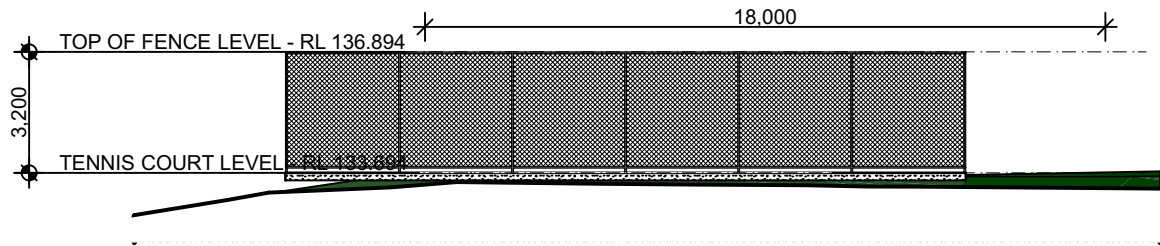




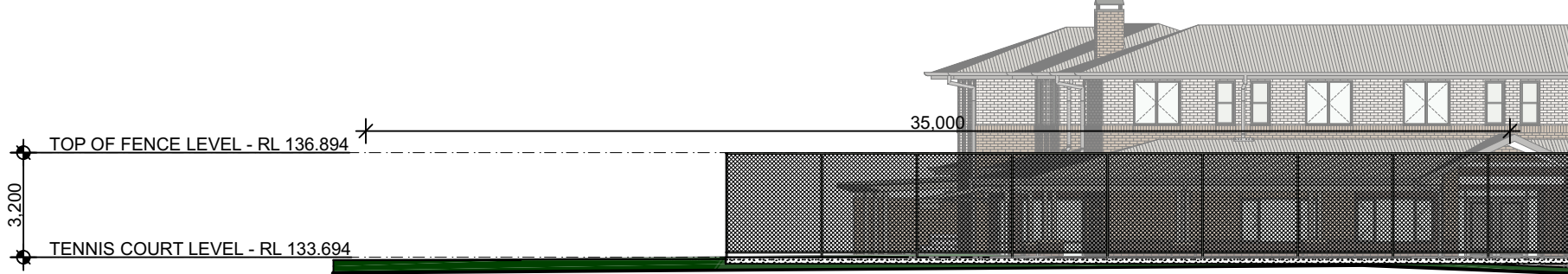
TENNIS COURT PLAN - 1:200



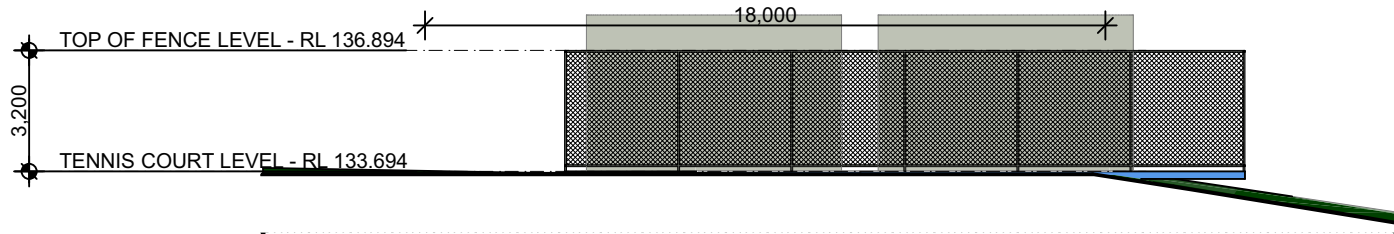
TENNIS COURT NORTH EASTERN ELEVATION - 1:200



TENNIS COURT SOUTH EASTERN ELEVATION - 1:200



TENNIS COURT SOUTH WESTERN ELEVATION - 1:200



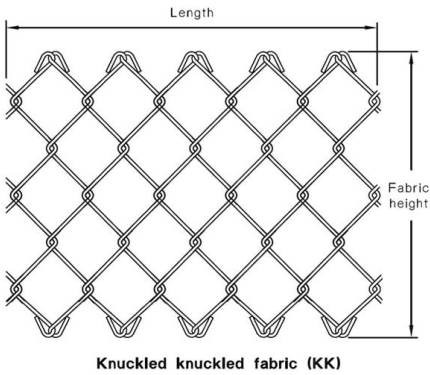
TENNIS COURT NORTH WESTERN ELEVATION - 1:200

TENNIS COURT FENCING DETAILS

TENNIS COURT FENCING TO BE IN ACCORDANCE WITH:
AS1725-2010 - CHAIN LINK FENCING AND;
GALVANISING: STANDARD GRADE B AS1650-2.2

NOMINATED FENCING SPECIFICATION:
2.50mm WIRE DIAMETER
BLACK PVC COATED FINISH
MESH APERATURE OF 49mm
SELVEDGE IS KNUCKLED KNUCKLED FABRIC

INFORMATION SOURCED FROM PROTECTIVE FENCING PTY LTD
<https://profence.com.au/companies/fencing/tennis-court-fencing/>



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Issue	Amendment	Date	Dwn	Chk
03	Tennis Court Details Added	17/01/2025		
04	AC Screen Added, Car Parking Extended, Hydrant Tanks Added	11/09/2025		

Project North:

Client:

The Education Development
Association

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Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **TENNIS COURT DETAILS**

Nominated Architect: Daniel Donal NSWARB 9068 ARBV 19868 NSW DEP0002060 AIA 62045	Scale: As shown @ A3	Drawn: MP	Job No. 2020.015	Drawing No. DA15	Revision 04
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EXTERNAL FINISHES

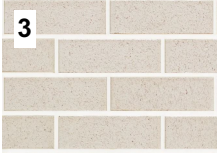
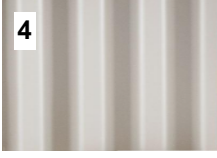
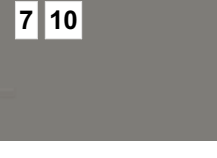


INDICATIVE PERSPECTIVE



INDICATIVE PERSPECTIVE

EXTERNAL FINISHES SCHEDULE

	WALL Face Brick type 1 Austral: Range - Everyday Life, Colour - Freedom
	WALL Face Brick Austral: Range - Everyday Life, Colour - Leisure
	WALL Face Brick Austral: Range - Hampton, Colour - Whitehaven
	ROOF SHEET (SMR) - Sheet Metal Roof Custom Orb Accent 21, Colour - Colorbond Dune
	GUTTER / DOWNPIPE / BARGE BOARD / FASCIA Colorbond, Wallaby
	WINDOW / GLAZED DOOR FRAMES / LOUVERED AC SCREEN Aluminium Powdercoat - Dulux Woodland Grey Satin
	FC GABLE CLADDING Colour - Dulux Colorbond Dune COLUMNS & FRETWORK Timber, Paint finish, Dulux Colorbond Dune
	SOLID CORE DOORS & FRAMES Paint Finish, Dulux Wallaby FRETWORK TO GABLE ROOFS Timber, Paint finish, Dulux Wallaby

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Issue	Amendment	Date	Dwn	Chk
01	DA Issue	23/10/2024	MP	DD
03	Tennis Court Details Added	17/01/2025	MP	DD
04	AC Screen Added, Car Parking Extended, Hydrant Tanks Added	11/09/2025	MP	DD

Project North:

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Project: **Grose Vale Study Centre**
Address: 170 Cabbage Tree Rd Grose Vale NSW

Dwg Name: **EXTERNAL FINISHES**

CAD File: S:\Data\3\2020\2020\015 Grose Vale Study Centre\3 Design\3.2 DA\2020\015 Grose Vale Study Centre - DA.03 issue.dwg	Scale: As shown @ A3	Drawn: MP	Job No. 2020.015	Drawing No. DA16	Revision 04
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Indicative Plant Schedule

Code	Botanical Name	Common Name	Height and Spread
Trees			
Cfi	Corymbia ficifolia 'Wildfire'	Flowering Gum	6x4m
Can	Cupaniopsis anacardioides	Tuckeroo	8x5m
Esp	Eucalyptus sparsifolia	Narrow Leaved Stringybark	12x8m
Epu	Eucalyptus punctata	Grey Gum	10-25x10m
Jmi	Jacaranda mimosifolia	Jacaranda	10x8m
Lin	Lagerstroemia indica 'Natchez'	Crepe Myrtle	8x5m
Lit	Lagerstroemia indica 'Tuscarora'	Crepe Myrtle	6x4m
Til	Tristania laurina 'Luscious'	Water Gum	12x5m

Shrubs			
Bbc	Banksia 'Birthday Candles'	Birthday Candles	0.4x0.8m
Bsp	Banksia spinulosa	Hair Pin Banksia	3x3m
Bsp	Bursaria spinosa	Sweet Bursaria	4x3m
Cal	Correa alba	White Correa	1.5x1.2m
Dtr	Dodonaea triquetra	Forest Hop Bush	2x2m
Ghe	Goodenia hederacea	Ivy Goodenia	1x0.8m
Gmt	Grevillea 'Mt Tamboritha'	Grevillea	0.3x0.6m
Gmu	Grevillea mucronulata	Green Spider Flower	1x1m
Hda	Hakea dactyloides	Broad-Leaved Hakea	3x1.5m
Hse	Hakea sericea	Bushy Needle Bush	2x1m
Hvi	Hardenbergia violacea	Native Sarsaparilla	2x2m
Ian	Indigofera australis	Austral Indigo	1.2x1.2m
Kam	Kunzea ambigua	Tick Bush	4x2-5m
Lia	Lepidosperma laterale	Variable Sword Sedge	1x1m
Ltr	Leptospermum trinervium	Woolly Tea Tree	4x3m
Lsi	Lomatia silaifolia	Parsley Bush	1.5x1m
Mth	Melaleuca thymifolia	Honey Myrtle	1.2x2m
Odi	Olearia microphylla	Snow Bush	1.5x1.5m
Omi	Ozothamnus diosmifolius 'Coral Flush'	Rice Flower	2x1m
Pwj	Pithecolobium 'White Jewel'	Rice Flower	0.4x0.8m
Sca	Syzygium 'Cassade'	Lilly Pilly	3.0x3m
Wgb	Westringia 'Grey Box'	Coastal Rosemary	0.4x0.4m

Grasses & Ferns			
Aau	Asplenium australasicum	Birds Nest Fern	1x1m
Acj	Arthropodium cirratum	NZ Rock Lily	0.8x0.6m
Ael	Aspidistra elatior	Cast Iron Plant	0.8x0.6m
Cci	Casuarina 'Cousin It'	Prostrate She Oak	0.1x1.0m
Dex	Doryanthes excelsa	Gymea Lily	1.2x3m
Dpr	Dianella prunina 'Utopia'	Native Flax	0.5x0.5m
Dsf	Dichondra 'Silver Falls'	Silver Falls Kidney Weed	0.1x0.3m
Dre	Dichondra repens	Kidney Weed	0.1x0.3m
Gccl	Grevillea 'Cherry Clusters'	Grevillea	0.4 x 0.8m
Has	Hilbertia aspera	Rough Guinea Flower	0.3x0.8m
Kcs	Kalanchoe 'Copper Spoons'	Copper Spoons	0.6x0.5m
Kss	Kalanchoe 'Silver Spoons'	Silver Spoons	0.6x0.5m
Lfi	Lomandra filiformis	Wattle Matt Rush	0.5x0.3m
Ljr	Liriope 'Just Right'	Lily Turf	0.4x0.4m
Lit	Lomandra longifolia 'Tanika'	Mat Rush	0.6x0.6m
Mpy	Myoporum parvifolium 'Yareena'	Creeping Boobiala	0.1 x 1.0m
Plk	Poa labillardieri 'Kingsdale'	Tussock Grass	0.4x0.4m
Pmm	Pittosporum 'Miss Muffet'	Miss Muffet	0.8x0.8m
Pxa	Philodendron 'Xanadu'	Xanadu	0.8x0.8m
Psi	Poa sieberiana	Grey Tussock Grass	0.5x0.5m
Tau	Themeda australis	Kangaroo Grass	0.4x0.5m
Wgr	Wahlenbergia gracilis	Native Blue Bell	1x0.4m

Bioretention Basin Indicative Planting Schedule

Code	Botanical Name	Common Name	Height	Plant Density	Planting Zone
Cap	Carex appressa	Tall Sedge	1.2m	8-10	Basin
Dre	Dianella revoluta	Blue Flax-Lily	1m	8-10	Basin
Rte	Rytidosperma tenuior	Wallaby Grass	1.2m	8-10	Basin
Jus	Juncus usitatus	Common Rush	1m	8-10	Basin
Tau	Themeda australis	Kangaroo Grass	1.2m	8-10	Basin
Fno	Ficinia nodosa	Knobby Club Rush	1m	8-10	Basin
Pla	Poa labillardieri	Tussock Grass	0.6m	8-10	Basin
Dul	Daviesia ulicifolia	Gorse Bitter Pea	2m	1 per 2	Basin & Batters
Mer	Melaleuca erubescens	Pink HoneyMyrtle	2m	1 per 2	Basin & Batters
Dlo	Dianella longifolia	Blueberry Lily	1m	8-10	Batters & Landscape
Lfi	Lomandra filiformis	Mat-rush	0.5m	8-10	Batters & Landscape
Lta	Lomandra longifolia 'Tanika'	Tanika	0.7m	8-10	Batters & Landscape
Mst	Microlaena stipoides	Weeping Grass	0.7m	8-10	Batters & Landscape
Jpa	Juncus pallidus	Pale Rush	1m	8-10	Basin
Jkr	Juncus kraussii	Sea Rush	1m	8-10	Basin
Lfi	Lachnagrostis filiformis	-	0.7m	8-10	Basin
Gfi	Gahnia filum	Chaffy Saw-sedge	1m	8-10	Basin
Cpo	Cyperus polystachyos	-	0.6m	8-10	Basin
Ast	Austrostipa stipoides	-	1.2m	8-10	Basin
Cfa	Carex fascicularis	Tassel Sedge	1m	8-10	Basin
Pal	Pennisetum alopecuroides	Swamp Foxtail Grass	1.5m	8-10	All
Bpa	Balioskion pallens	-	1m	8-10	Basin
Smu	Schoenoplectus mucronatus	-	1m	8-10	Basin
Bfi	Bolboschoenus fluviatilis	Marsh Clubrush	2.5m	8-10	Basin
Bco	Bolboschoenus coldwellii	-	1m	8-10	Basin

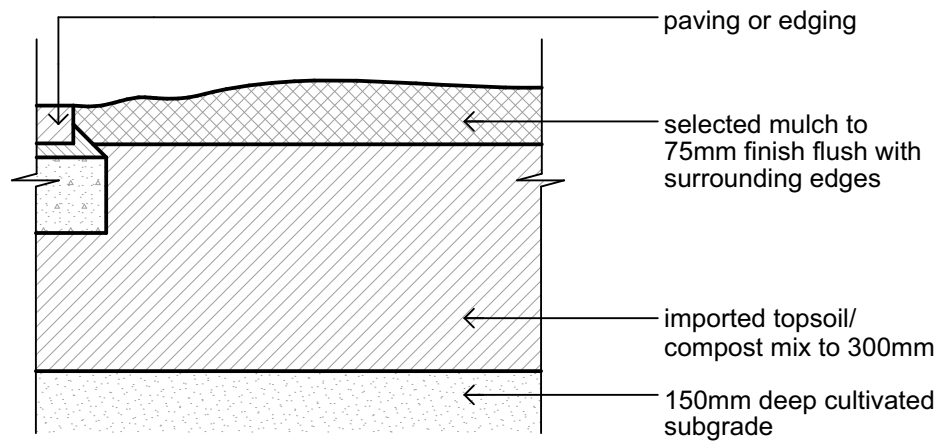
Planning for Bushfire:

Note: Design complies with the requirement of an asset protection zone as outlined in the planning for Bush Fire Protection (2019) Appendix 4 of the NSW RFS Standards for Asset Protection Zones.

1. Tree in maturity should not touch or overhang the building.
2. Low limbs should be removed up to a height of 2m above the ground.
3. Grass should be kept mown (no more than 100mm in height)
4. Landscape area should be maintained free of leaf litter and debris. The gutter and roof should be maintained free of leaf litter and debris.
5. Ground fuels such as fallen leaves, twigs and branches should be removed on a regular basis. 6. Shrubs form 10% of the ground cover.

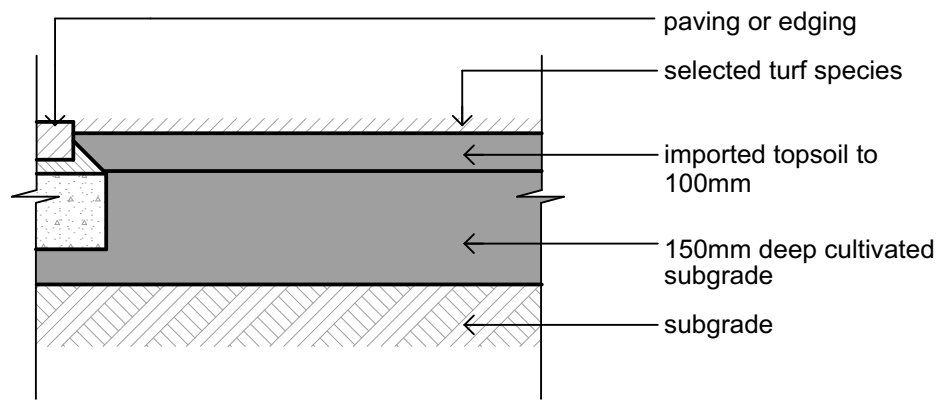
DESIGN NOTES:

1. VEGETATION COVER IS AN ESSENTIAL FUNCTIONAL COMPONENT OF THE BIORETENTION BASIN
2. PLANTS ARE TO BE 25mm HIKO CELLS OR 50mm TUBESTOCK
3. PLANTING SHOULD OCCUR NO LATER THAN 14 DAYS AFTER INSTALLATION OF THE FILTER MEDIA. AFTER PLANTING THE SOIL SHOULD BE RE-INSTATED TO A FLAT SURFACE.
4. THE PLANTS SHALL BE PLANTED AS A MATRIX ENSURING A DIVERSE COVERAGE.
5. PLANTING SHOULD INCORPORATE SEVERAL TYPES OF VEGETATION INCLUDING SHRUBS AND GRASSES AND TUFTED PLANTS FROM THE PLANTING LIST.
6. A MINIMUM OF 4 DIFFERENT SPECIES IS REQUIRED FOR RAINGARDENS (<30m²), A MIN OF 6 FOR SMALL SYSTEMS < 100m² & 10 OR MORE FOR LARGE SYSTEMS (>100m²).
7. PLANT ESTABLISHMENT AND WATERING IS REQUIRED FOR 12 MONTHS FROM PLANTING.
8. NO SURFACE MULCHING OF BIORETENTION BASINS IS PERMITTED.
9. NO WEED MAT OR HYDRO-MULCH IS TO BE APPLIED TO THE SURFACE OF THE BIORETENTION BASIN FOLLOWING THE CONSTRUCTION PHASE (I.E. IN ITS FINAL DESIGN FORM, VEGETATED AS PER PLANTING SCHEDULE), AS THIS WILL HINDER FILTRATION OF STORMWATER THROUGH THE FILTER MEDIA. JUTE MATTING IS PERMITTED.
10. 40% OF COVERAGE SHALL COMPRISE OF THE PLANTS MARKED WITH ***
11. PLANTS FROM THE PREFERRED PLANTING LIST SHALL BE PLANTED IN PREFERENCE TO PLANTS FROM THE ALTERNATIVE PLANTING LIST. PLANTS FROM THE ALTERNATIVE PLANTING LIST CAN BE USED WHERE PREFERRED PLANTS ARE COMMERCIALY UNAVAILABLE.
12. PLANTING SHALL IDEALLY OCCUR FROM OCTOBER TO MARCH TO IMPROVE VIABILITY OF JURENILE PLANTS.
13. ALL PLANTS SHALL BE HARDENED PRIOR TO PLANTING.
14. SOME PLANTS MAY NOT BE AVAILABLE COMMERCIALY & MAY NEED TO BE GROWN FROM SEED. THIS CAN TAKE UP TO 12 MONTHS. PLANNING OF PLANTING STAGE SHALL TAKE LONG LEAD IN TIMES INTO ACCOUNT.
15. THE FINAL PLANTING LIST SHALL BE APPROVED BY COUNCIL.



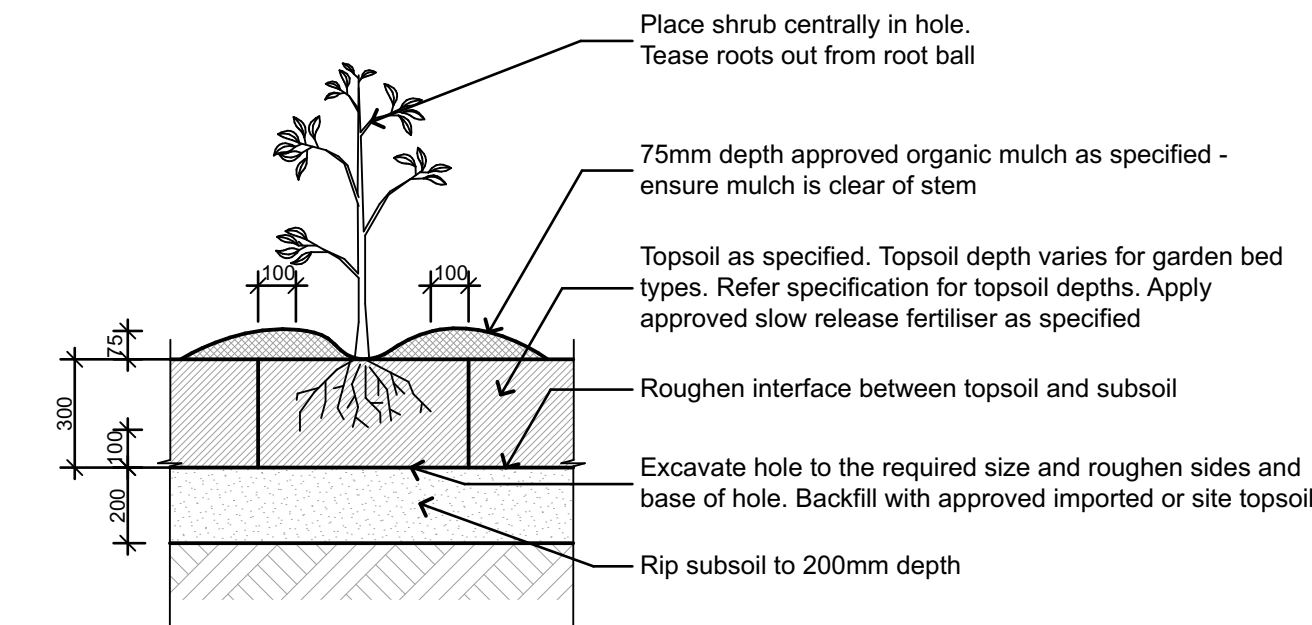
7 Garden Bed Preparation Detail

Scale 1:10



5 Turf Preparation Detail

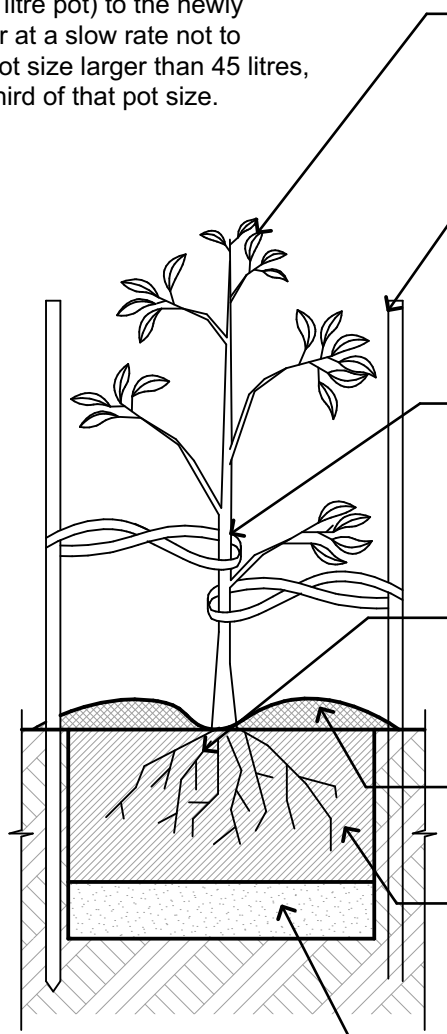
Scale 1:10



3 Garden Bed Planting

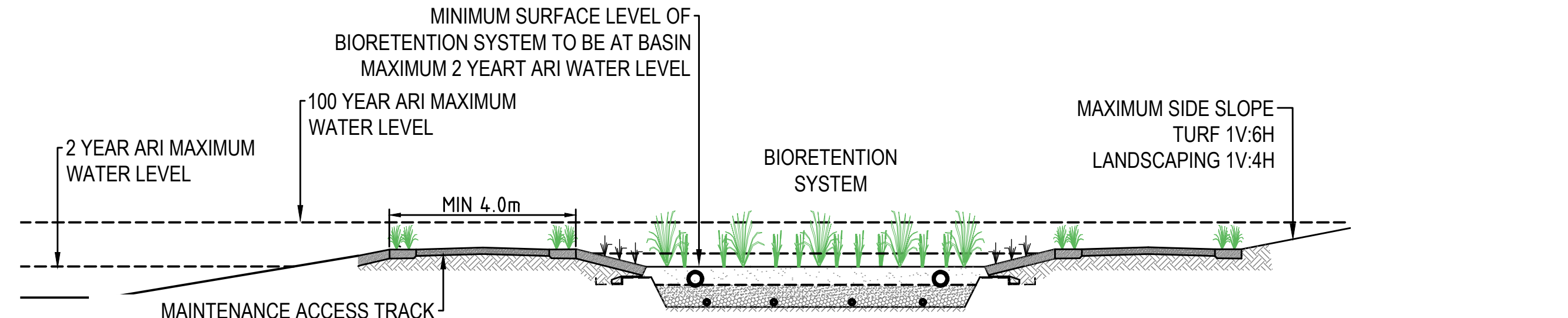
Scale 1:20

Tree watering 1: 1st initial watering at the time of planting. Quantity of water will be adequate to saturate the root ball to its core.
Tree watering 2: post planting, provide a minimum of 15 litres of water (for tree in a 45 litre pot) to the newly planted tree per 7 days. Water at a slow rate not to displace mulch. For trees in pot size larger than 45 litres, provide quantity of water on third of that pot size.



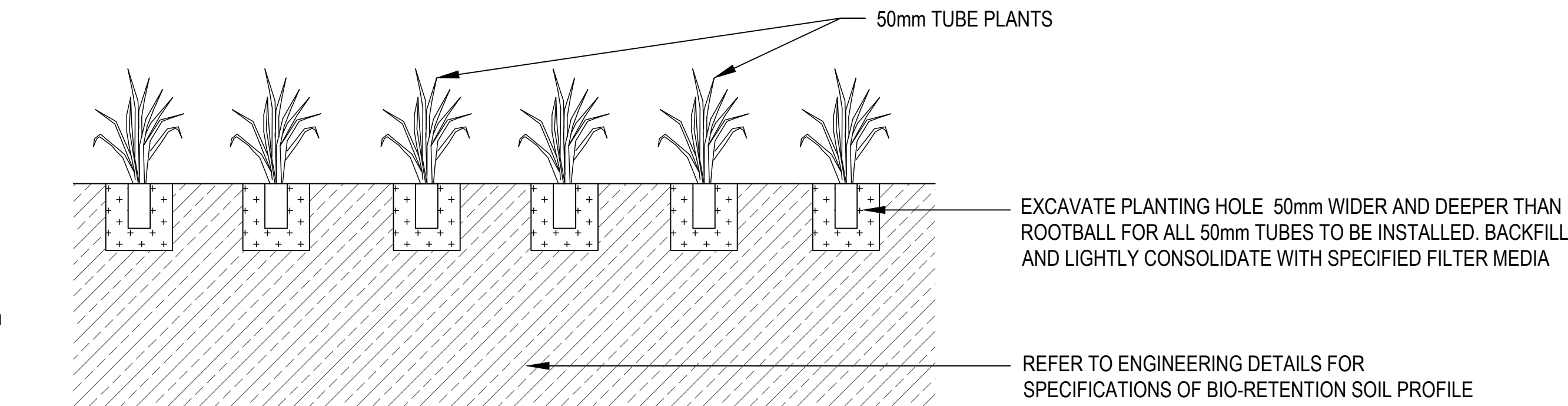
1 Tree Planting Detail

Scale 1:20



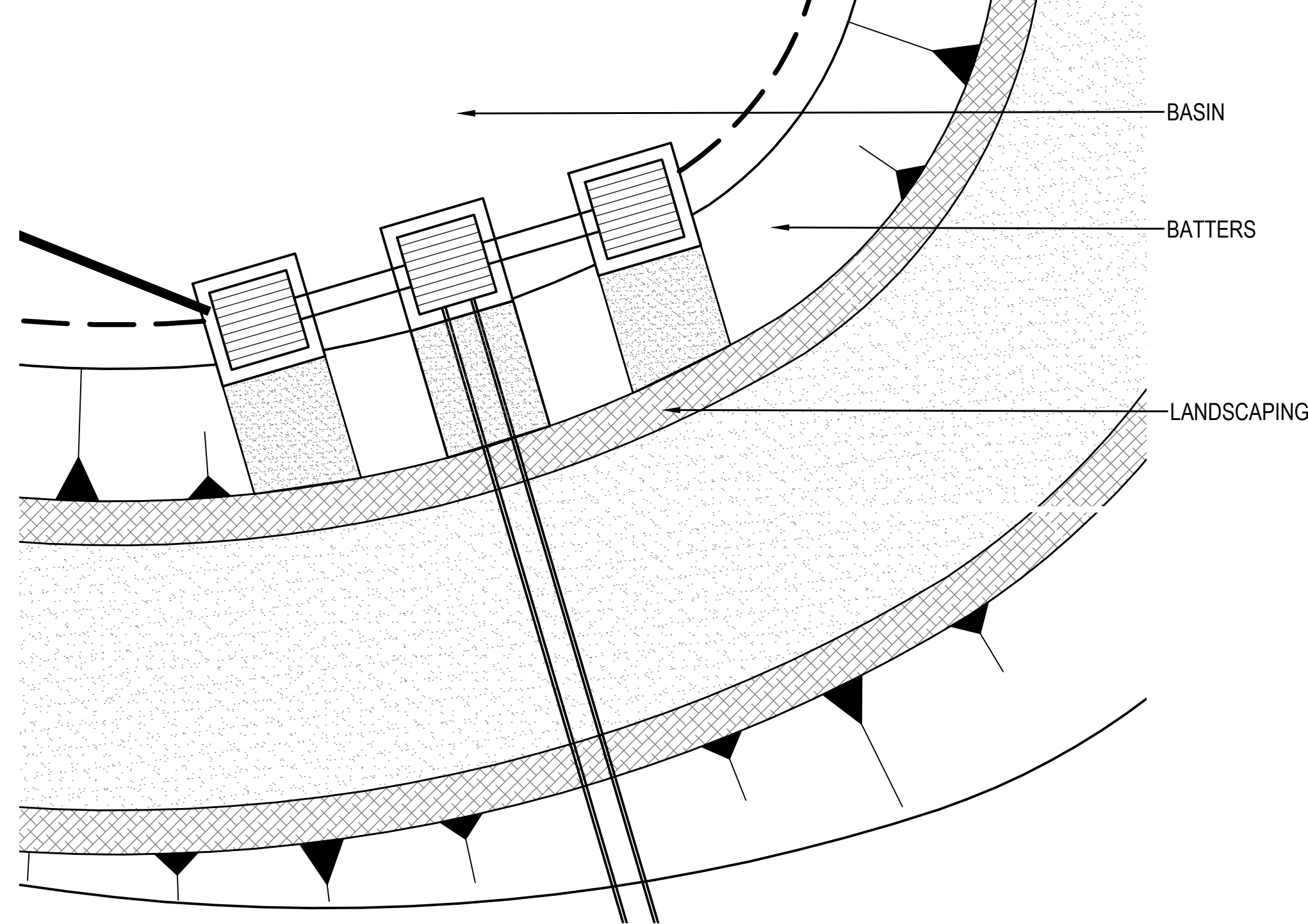
6 Bioretention System

Scale 1:20



4 Typical Biosystem Planting Detail

Scale 1:20

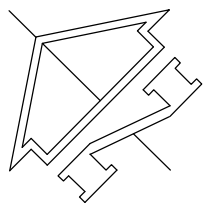


2 Planting Zones - Bioretention Basin

Scale 1:20

File Name: C004 BULK EARTHWORKS PLAN.dwg - USER: latim - Plot File Created: Aug 08, 2025 - 3:46pm

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BULK EARTHWORKS CUT/FILL DEPTH COLOUR TABLE			
Lower_value	Upper_value		Colour
-999	to -3.25	m	[Dark Red]
-3.25	to -3.0	m	
-3.0	to -2.75	m	
-2.75	to -2.5	m	
-2.5	to -2.25	m	
-2.25	to -2	m	
-2	to -1.75	m	
-1.75	to -1.5	m	
-1.5	to -1.25	m	
-1.25	to -1	m	
-1	to -.75	m	[Red]
-.75	to -.5	m	
-.5	to -.25	m	
-.25	to 0.00	m	
0.000	to 0.25	m	
0.25	to .5	m	
.5	to .75	m	
.75	to 1	m	
1	to 1.25	m	
1.25	to 1.5	m	[Green]
1.5	to 1.75	m	
1.75	to 2	m	
2	to 2.5	m	
2.5	to 2.75	m	
2.75	to 3.0	m	
3.0	to 999	m	

CUT/FILL SUMMARY
NOTE: TOPSOIL ASSUMED 150mm STRIPPED

CUT VOLUME	FILL VOLUME	TOTAL BALANCE
-1895 Cum.	620 Cum.	-1,275 Cum.
excess of cut over fill		

NOTES:

1. TOPSOIL ASSUMED 150mm STRIPPED
2. 340mm ASSUMED DEPTH FOR VEHICULAR PAVEMENTS
3. 120mm ASSUMED DEPTH FOR PEDESTRIAN PAVEMENTS
4. 150mm ASSUMED DEPTH FOR LANDSCAPED ZONES
5. 200mm ASSUMED SLAB ON GROUND

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P3	UPDATE TO DA FEEDBACK	GC	LW	08.08.25										
P2	DRAFT DA	GC	LW	15.10.24										
P1	DRAFT DA	GC	LW	10.10.24										

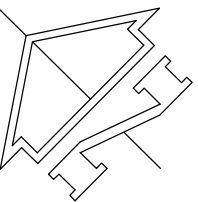
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Engineer
TTW **Structural Civil Traffic Façade**
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project
GROSE VALE STUDY CENTRE
170 CABBAGE TREE ROAD
GROSS VALE, NSW

Sheet Subject
BULK EARTHWORKS PLAN

Scale : A1
1:250
Job No
201885
Drawing No
C004
Revision
P3
Plot File Created: Aug 08, 2025 - 3:46pm



- eSW — EXISTING STORMWATER PIPE
- >— STORMWATER PIPE, FLOW DIRECTION
- >— STORMWATER PIPE, FLOW DIRECTION
- UL 10.00
Ø600 2'
1.25%
Q=345L/s
dIL 9.65
- UPSTREAM PIPE INVERT LEVEL
PIPE SIZE AND STRENGTH CLASS
PIPE GRADIENT
PEAK DESIGN FLOW
DOWNSTREAM PIPE INVERT LEVEL
- ☒ JUNCTION PIT
- ☒ GRATED INLET
PIT
- ☒ HAUNCHED GRATED INLET
PIT
- SAG KERB INLET PIT
- ON-GRADE KERB INLET PIT
- DOMESTIC KERB
OUTLET
- CONCRETE HEADWALL
- ⊙ GRT
- GROSS POLLUTANT TRAP
- D01-2
- DRAINAGE LINE AND PIT
NUMBER
- GD#
- GRATED DRAIN
- SUBSOIL DRAINAGE LINE, Ø100mm
U.N.O.
- — FP
- FLUSHING POINT
- — IR
- INTERMEDIATE RISER
- — DP
- DOWNPIPE
- — RP
- RODDING POINT
- GRASS CATCH DRAIN
- OVERLAND FLOW
PATH
- RW#
- GABION RETAINING WALL
- × F22.20
- FINISHED SURFACE LEVEL
- 22.50
- MAJOR FINISHED SURFACE
CONTOUR
- 0.5m INTERVAL
- 22.10
- MINOR FINISHED SURFACE
CONTOUR
- 0.1m INTERVAL
- KG
- KERB AND GUTTER
- KO
- KERB ONLY
- VC
- VEHICULAR CROSSING
- PEDESTRIAN KERB
RAMP

- P1 ASPHALT LIGHT DUTY PAVEMENT
- P2 CONCRETE PEDESTRIAN PAVEMENT
- P3 VEHICLE CROSSING
- P4 GRAVEL ROAD
- L1 LANDSCAPING
Refer to landscape architect's documentation

PRELIMINARY
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FOR CONSTRUCTION

Scale: A1 1:250	Drawn LW	Authorised
Job No 201885	Drawing No C005	Revision P6
Plot File Created: Aug 08, 2025 - 4:56pm		



File: C:\Users\mitchell\OneDrive\Documents\201885\201885_001.dwg User: mitchell Plot File Created: Aug 08, 2025 - 4:56pm

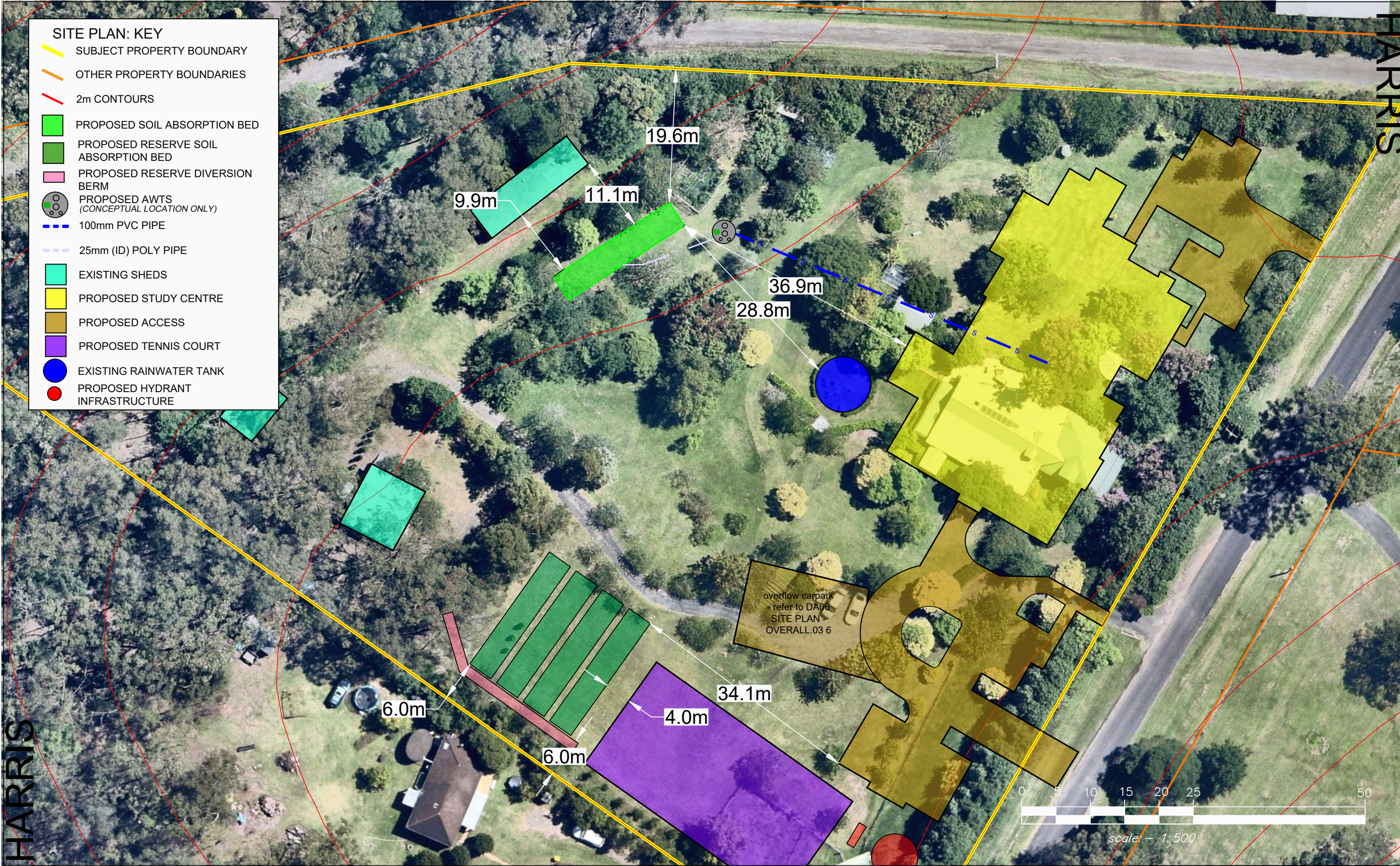
P6	UPDATE TO DA FEEDBACK	GC	LW	08.08.25					
P5	UPDATE TO DA FEEDBACK	GC	LW	30.07.25					
P4	DRAFT DA	GC	LW	15.10.24					
P3	DRAFT DA	GC	LW	27.08.24					
P2	DRAFT DA	GC	LW	26.08.24					
P1	PRELIMINARY	GC	LW	08.08.22					
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

Architect	DTA ARCHITECTS 88 bathurst street liverpool nsw 2170 www.dta.net.au admin@dta.net.au +612 9601 1011
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Engineer	TTW Structural Civil Traffic Façade
612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060	

Project	GROSE VALE STUDY CENTRE 170 CABBAGE TREE ROAD GROSS VALE, NSW
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Sheet Subject	SITWORKS AND STORMWATER PLAN
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SITE PLAN: KEY

SUBJECT PROPERTY BOUNDARY

2m CONTOURS

PROPOSED SOIL ABSORPTION BED

PROPOSED AWTS
(CONCEPTUAL LOCATION ONLY)

100mm PVC PIPE

25mm (ID) POLY PIPE

EXISTING SHED

PROPOSED STUDY CENTRE

EXISTING RAINWATER TANK

HARRIS

HARRIS

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