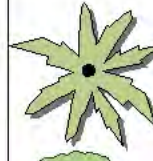
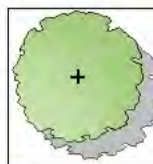



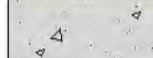




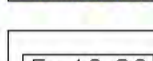
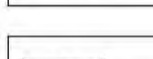
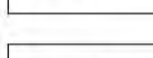
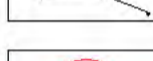


- Legend**
-  Existing Palm & trees
 -  Proposed evergreen trees
 -  Climbing plants
 -  Timber decking / seating
 -  Turfed lawn areas
 -  Concrete
 -  Ex. Tennis Court
 -  Tree ferns / understorey
 -  Walls
 -  Stepping stones in garden
 -  Existing level
 -  Proposed level
 -  Planting Symbol (See schedule Sheet 3)
 -  Amendments #

Amendments

D	28.11.24	For DA
C	26.11.24	--
B	18.11.24	--
A	15.11.24	DA review



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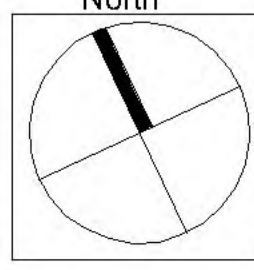
Project: Proposed residence
 2a Allen Ave,
 Bilgola, NSW

Dwg: Level 1 **DA**

Date: 28.11.24 Scale: 1:100 @A1
 Job Ref: 23/2585 Sheet No: 1 of 5

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ISSUE-D

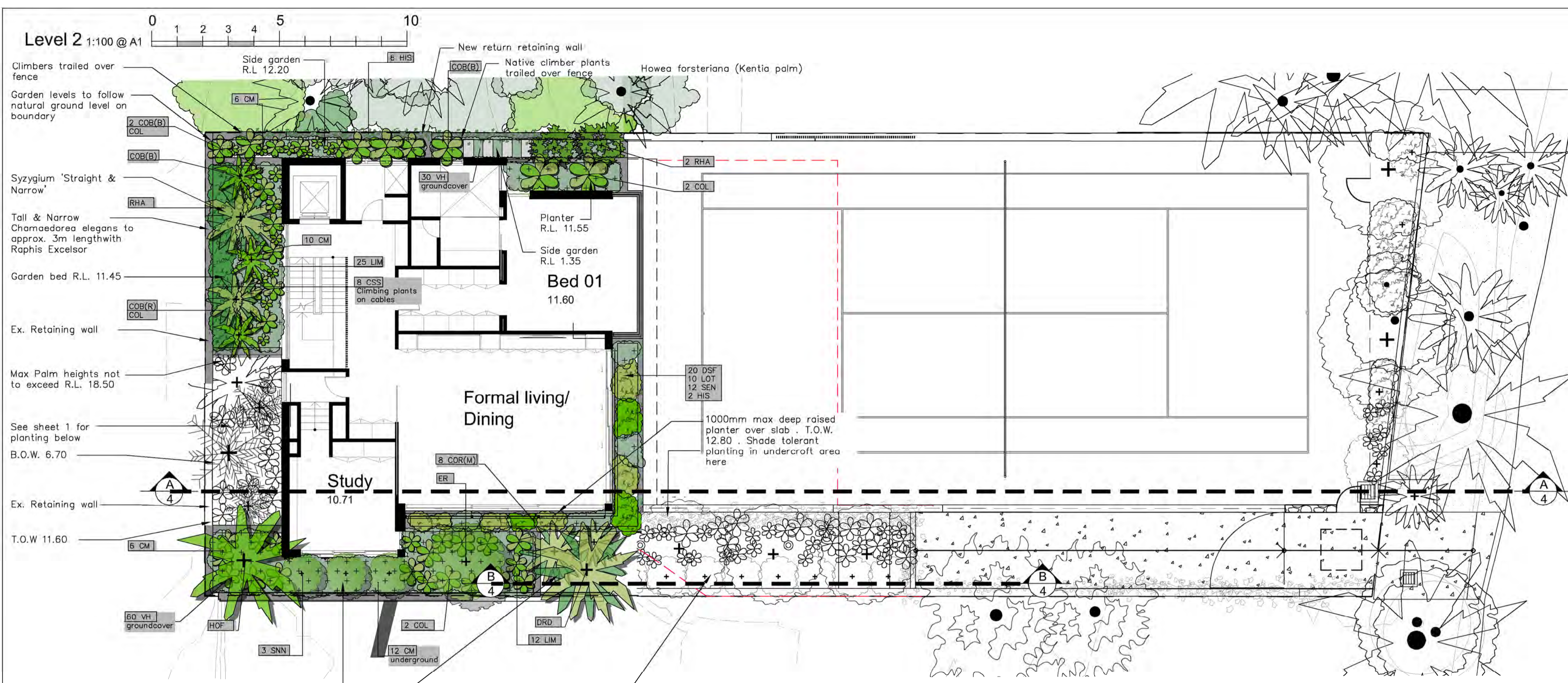


Existing site context photos



Typical design palette





Legend

- Existing Palm & trees
- Proposed evergreen trees
- Climbing plants
- Timber decking / seating
- Turfed lawn areas
- Concrete
- Ex. Tennis Court
- Tree ferns / understorey
- Walls
- Stepping stones in garden
- Existing level
- Proposed level
- Planting Symbol (See schedule Sheet 3)
- Detail #, Sheet 3

General construction notes

- 1. Site preparation**
Any existing trees and vegetation to be retained shall be preserved and protected from damage of any sort during the execution of landscape work. In particular, root systems of existing plants must not be disturbed if possible. Any nearby site works should be carried carefully using hand tools. To ensure the survival and growth of existing trees during landscaping works, protect by fencing or armoring where necessary. Trees shall not be removed or lopped unless specific written approval to do so is given or is indicated on plan. Storage of materials, mixing of materials, vehicle parking, disposal of liquids, machinery repairs and refueling, site office and sheds, and the lighting of fires shall not occur within three (3) metres of any existing trees. Do not stockpile soil, rubble or other debris cleared from the site, or building materials, within the dripline of existing trees. Vehicular access shall not be permitted within three (3) metres of any tree.
- 2. Soil preparation**
All proposed planting areas to be deep ripped to 200mm (where possible) and clay soils to be treated with clay breaker. Apply at least 200mm depth good quality garden soil mix to all garden planting areas. To comply with AS 4419 Turfed areas as noted to be laid over 100mm min. good quality turf underlay over existing soil which is to be deep ripped to 200mm depth prior to installation. To be worked in with rotary hoe except where tree root damage would otherwise occur. In such situations care to be taken to hand cultivate in any area where existing tree roots exist to preserve health of trees and to comply with the requirements of the Arborist's report. Where planting is to occur in existing soil profiles ensure soil conditioners and compst is worked into the top 200mm profile. To comply with AS 4454:1999.
- 3. New plantings**
Newly planted trees and large shrubs should be secured to stakes with hessian ties to prevent rocking by wind. Planting holes for plant material should be large enough in size to take root ball with additional space to take back filling of good quality planting mix. (Please note mature heights of planting as shown on planting schedule can vary due to site conditions, locations in constricted deep soil or over slab planters and so forth) Also shallow soils in certain locations may affect planting heights. Nominated heights for plantings in raised planters over slabs are nominated as less than their normal expected heights in acknowledgement of the contained soil environment. For other deep soil trees heights are subject to particular site conditions, and intended hedging or pruning for functional requirements such as available planting width, intended access under branches and solar access.
- 4. Planter boxes soil installation.**
See planter box construction, waterproofing details and drainage details prepared by Engineers. Details to indicate soil installation and irrigation methodology only. All internal planter slab levels to have mortar screed to fall to drainage outlets as nominated by the Stormwater Engineering details. All planting containers to have the following soils:
 - Benedicts Smart Mix no. 4 Lightweight Planter Mix (or approved equivalent) to min. 300mm depth. To be installed over Benedicts light weight No.5 light weight sub-soil mix (or approved equivalent). To comply with AS 4419 and AS 3743
 - All planter boxes are to have automatic dripline irrigation system. Connecting pipes/conduit to be cast into slab structures prior to slab pour to be coordinated with the Structural Engineer's plans.
 - Landscape contractor to install all planter box fill material and plant material after other site works are completed to ensure no deterioration of waterproof membrane. To be confirmed by Engineers and project manager to confirm the integrity of the engineer's specified waterproofing of the planter boxes at time of soil and plant installation.
- 5. Mulching**
All planting areas to be mulched with a minimum 75mm thick cover of recycled hard wood chip mulch and then all plant areas to be thoroughly soaked with water. To comply with AS 4454
- 6. Fertiliser**
All planting areas to be fertilised with 9 month 'NPK' slow release fertiliser.
- 7. Staking**
To those plants indicated on the planting schedules provide: hardwood stakes as nominated and driven into ground to a depth able to achieve rigid support. See separate detail for tree staking in raised planters to avoid damaging waterproofing installation
- 8. Garden and turf finishes**
All ground level garden beds adjacent to site boundary or paved areas to finish flush with finished mulch levels to avoid spillage of mulch to adjacent paths or adjacent hard surfaces.
- 9. Turfing**
Turfed nature strip to be 'Sir Walter' (DNA Certified).
To be laid over 100mm good quality turf underlay over existing sub-grade which is to be ripped to 200mm depth prior to installation. Confirm clearance of all in-ground services with project manager prior to installation. Finish turf flush and evenly graded to adjacent kerb, driveway or path edging.
- 10. Structural**
All structural, drainage and waterproofing details related to external works whatsoever to Engineer's details.

Irrigation notes

Prior to approval by the project manager (and prior to installation) the Contractor responsible for the irrigation installation is to provide an irrigation design to meet the following requirements.

Automatic drip line watering system to be selected. To extend to ALL garden areas nominated on the deep soil and raised planter box areas on sheets 6. (Internal site turf areas, turf nature strip and street tree areas to be excluded)

Note: Water supply tap hose cocks as indicated on the CC stage drawings are to be coordinated with Hydraulic and Structural Engineer's details. Ensure 50mm PVC conduit is provided under any path or surface structures between deep soil zones as indicated on the plans. In ground dripline supply system only to be incorporated.

Generally: Supply an automatic drip line irrigation system. To include all piping to solenoids either PVC lines and/or class 12 pressure pipe or low density, rubber modified polypropylene reticulation (if determined to be required) to provide water supply to the nominated areas. (To be coordinated with Hydraulic Engineers plans). To include all bends, junctions, ends, ball valves, solenoids and all other ancillary equipment. Backwash valve: An approved backwash prevention valve is to be located at the primary water source for top up valves to rainwater tanks (where applicable).

Root inhibiting system. Driplines to be 'Netafim Techline AS XR' drip tubing or approved equivalent as provided by contractor proposal.

Automatic Controller: Provide automatic 2 week timer with hourly multi-cycle operation for each zone required zone.

Performance: It shall be the Landscape Contractor's responsibility to ensure and guarantee satisfactory operation of the irrigation system. The system is to be fit for the purpose and should utilize sufficient solenoids to provide for the varying watering requirements of landscape areas to allow all plants and lawn areas to thrive and attain long term viability.

Testing: After the system has been installed to the satisfaction of the project manager, the installation shall be tested under working conditions. Acceptance of the installed plant and equipment shall be subject to these being satisfactory.

Warranty: A twelve month warranty is to be provided in writing by the Landscape Contractor, which shall commit the Landscape Contractor to rectify the system (the items they have installed) to the satisfaction of the project manager or nominated representative. This will apply should any fault develop, or the capacity or efficiency fall below that guaranteed, or should the discharge or pressure be inadequate, or should defects develop in the filter unit or control heads, or any blockages that may develop in the system.

Approvals: The Landscape Contractor is to liaise as necessary, to ensure that the irrigation system conforms with all Water Board, Council and Australian standards (AS)



Amendments

D	28.11.24	For DA
C	26.11.24	--
B	18.11.24	--
A	15.11.24	DA review



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Project: Proposed residence
2a Allen Ave,
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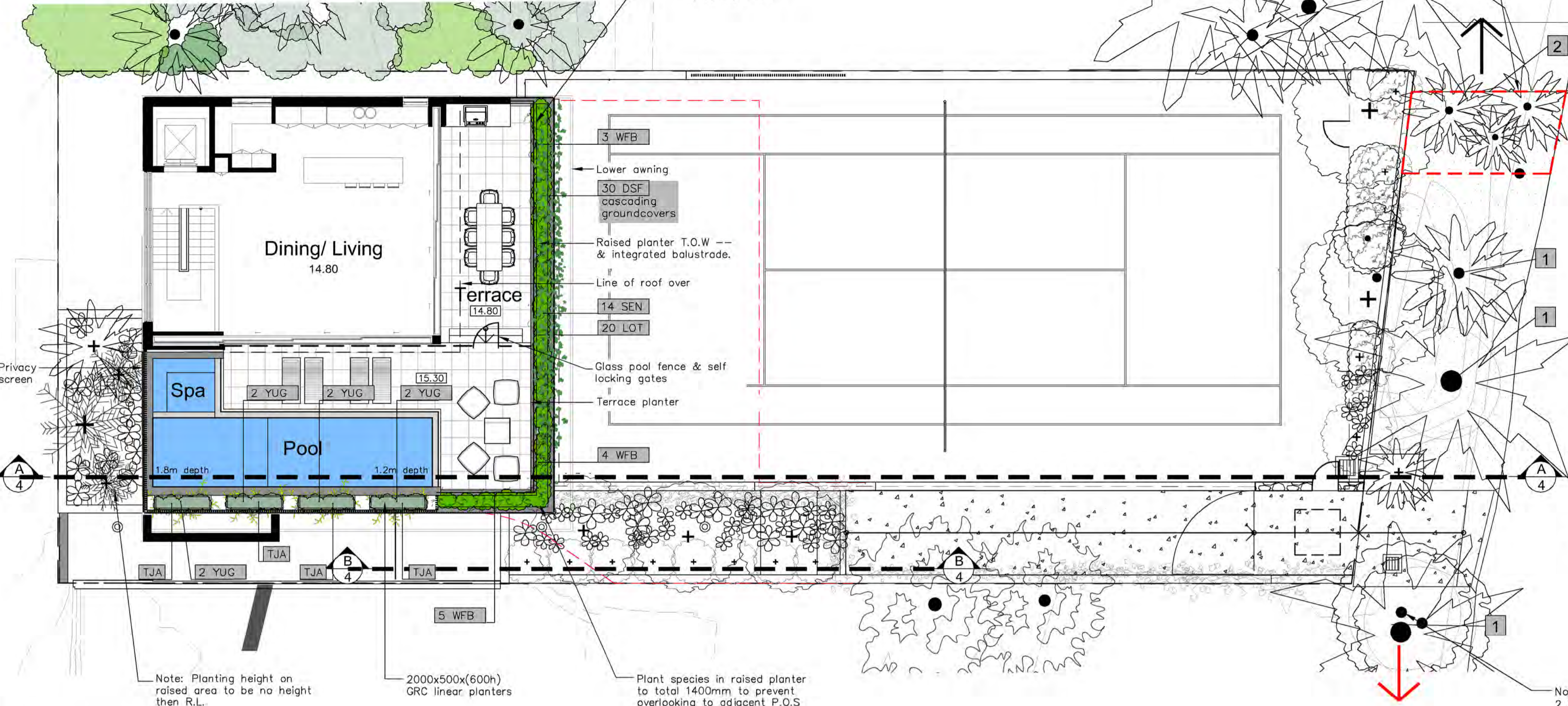
Dwg: Level 2 **DA**
Date: 28.11.24 Scale: 1:100 @A1
Job Ref: 23/2585 Sheet No: 2 of 5

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ISSUE-D

North

Level 3 1:100 @ A1



Maintenance schedule

The Landscape Contractor shall maintain the contract areas by accepted horticultural practices as well as rectifying any defects that become apparent in the works under normal use. The Landscape Contractor shall maintain the works and make good all defects for a period of twenty six (26) weeks after the date of practical completion. Practical completion of the landscape works shall include but not be limited to the replacement of plants which have failed or been damaged or stolen during work under the contract. Landscape maintenance shall include but not be limited to the following: watering, rubbish removal, spraying and wiping leaf surfaces, replacing failed plants, maintaining mulch, pruning, insect and disease control, cleaning of surrounding areas. Mow the turf when it is established at regular intervals to maintain an average height of 50mm.

- The owners of the residence are responsible for the ongoing maintenance and viability of the gardens and ongoing maintenance shall include the following:
- Regular hand watering of gardens if installed drip line irrigation system is turned off. Irrigation to be installed and maintained as per manufacturers specifications including regular checks for function of system, to check for leaks and to ensure general good working operation.
 - Mulch is to be regularly topped up every 6 months to ensure an even 75mm coverage in all garden beds
 - Regular pruning of plants is to be undertaken to ensure continued uniform growth of canopy and foliage of trees and shrubs.
 - Regular assessment of plants for evidence of insect attack or disease. Appropriate pest oil, white oil of Yates pest spray or equivalent is to be employed if required
 - Garden/lawn edging to be inspected regularly after practical completion to ensure it is maintained in good order. Replace where required if defective sections are discovered
 - All garden refuse, rubbish and associated items that arise from the regular garden maintenance procedures are to be collected and stored in appropriate general waste or green waste containers as is appropriate. Excess waste unable to be stored in Council waste containers is to be removed from the site in a timely manner.

Legend

- Existing Palm & trees
- Proposed evergreen trees
- Climbing plants
- Timber decking / seating
- Turfed lawn areas
- Concrete
- Ex. Tennis Court
- Tree ferns / understorey
- Walls
- Stepping stones in garden
- Existing level (Ex. 10.82)
- Proposed level (6.15)
- Planting Symbol (See schedule Sheet 3)
- Detail #, Sheet 3

Planting schedule

Symbol	Botanical name	Common name	Cont. size	Staking	Mature height	No req.
Trees / tall screen shrubs						
BAS	Banksia serrata	Old Man Banksia (Small native. Gnarled trunk & serrated leaves)	75Lt	3x50x50x1800	4-6.0M	2
CKS	Callistemon Kings Park Special	Bottlebrush (flowering native screen plant)	45Lt	3x38x38x1800	3-3.5M	3
DRD	Dracaena draco	Dragon Tree (striking feature plant)	Advanced	100Lt (min)	2.5-3.5M	2
ER	Elaeocarpus reticulatus	Blueberry Ash (indigenous small tree)	45Lt	3x50x50x1800	6-8.0M	3
HOF	Howea forsteriana	Kentia Palm (tall palm)	semi-adv	wire guys	7-10.0M	2
MP	Murraya paniculata	Orange Jessamine (flowering screening plant)	300mm	hedged	2.5-3.0M	8
SNN	Syzygium 'Straight & Narrow'	Straight & Narrow Lilly Pilly (very narrow and vertical screen)	300mm	hedged to req. height	3-5.0M	3
Climbing plants, understorey plants						
ALR	Alcanatarea 'Rubra'	Giant Bromeliad (Large succulent leaved ornamental plant)	300mm	nil	1.0M	5
CGT	Casuarina glauca 'Cousin It'	Cousin It Groundcover (hybrid groundcover)	200mm	nil	0.15M	14
CS	Cissus Antarctica	Kangaroo Vine (native groundcover)	150mm	nil	0.2M	14
DSF	Dichondra 'Silver Falls'	Silver Falls (cascading groundcover in roof garden)	140mm	nil	0.15M	38
HIS	Hibbertia scandens	Guinea Flower (flowering climber / groundcover)	200mm	nil	0.3M	8
PJ	Pandorea jasminoides	Bower Plant (native climbing/cascading groundcover)	200mm	wire supports on fence	2.5M	4
RHA	Raphis excelsior	Lady Finger Palm	300mm	nil	2-2.5M	3
SEN	Senecio serpens	Blue Chalk Sticks (silver blue low succulent groundcover)	200mm	nil	0.2M	33
TJA	Trachelospermum asiaticum	Flatmat Star Jasmine (FT01 Ozbred hybrid groundcover)	200mm	nil	0.2M	4
VH	Viola hederacea	Native Violets (native low groundcover)	tubes	nil	0.1M	200
WFB	Westringia fruticosa 'Blue Gem'	Dwarf Blue Westringia (hardy low growing plant)	150mm	hedged	0.8-1.0M	18

All trees to be provided with written confirmation from the supplier for compliance to Natspec guidelines in compliance with A.S. 2003:2018. Planting schedule species to be sourced from local nurseries supplying plants of local provenance wherever possible.

Landscape contractor is to check plant numbers on plan against the schedule prior to submitting tender price. Contact landscape architect if any number discrepancies are found.

Council compliance controls require that any substitution of species variety or container size MUST be confirmed with landscape architect to ensure a compliance certificate can be issued that meets the specific development consent conditions of the approved development.

Symbol	Botanical name	Common name	Cont. size	Staking	Mature height	No req.
Ferns / small palms / succulents						
AGV	Agave attenuata	Century plant (striking spiky leaved succulent)	200mm	nil	0.5M	3
CAA	Cyathea australe	Tree Fern (Native tree ferns)	300mm	nil	2-4.0M	3
COB(B)	Colocasia esculenta 'BM'	Black Magic Elephants ears (Dark large leaved plant)	200mm	nil	1-1.5M	4
COL	Colocasia esculenta	Elephants ears (Large leaved plant)	200mm	nil	1-1.5M	6
COR(M)	Cordyline spp. Mini	Selected Dwarf Cordyline (Shade tolerant bright foliage)	200mm	nil	0.6M	8
YUG	Yucca gloriosa 'Variegata'	Variegated Yucca (multi trunked spiky feature plant)	250mm	nil	1-1.5	8

Symbol	Botanical name	Common name	Cont. size	Staking	Mature height	No req.
Ornamental grasses/strappy leaved plants						
CM	Clivea miniata	Kaffir Lily (shade tolerant groundcover)	200mm	nil	0.5M	42
DIC	Dianella 'Caerulea'	Blue Flax Lily (native grass like plant)	140mm	nil	0.4M	20
LIM	Liriope Evergreen Giant	Turf Lily (shade tolerant groundcover)	150mm	nil	0.4M	37
LOT	Lomandra 'Tanika'	Dwarf Mat Rush (native mass planted groundcover)	150mm	nil	0.4M	51

Planting schedule species to be sourced from local nurseries supplying plants of local provenance wherever possible. Landscape contractor is to check plant numbers on plan against the schedule prior to submitting tender price. Contact landscape architect if any number discrepancies are found. Council compliance controls require that any substitution of species variety or container size MUST be confirmed with landscape architect to ensure a compliance certificate can be issued that meets the specific development consent conditions of the project.

Design palette images



Amendments

D	28.11.24	For DA
C	26.11.24	--
B	18.11.24	--
A	15.11.24	DA review



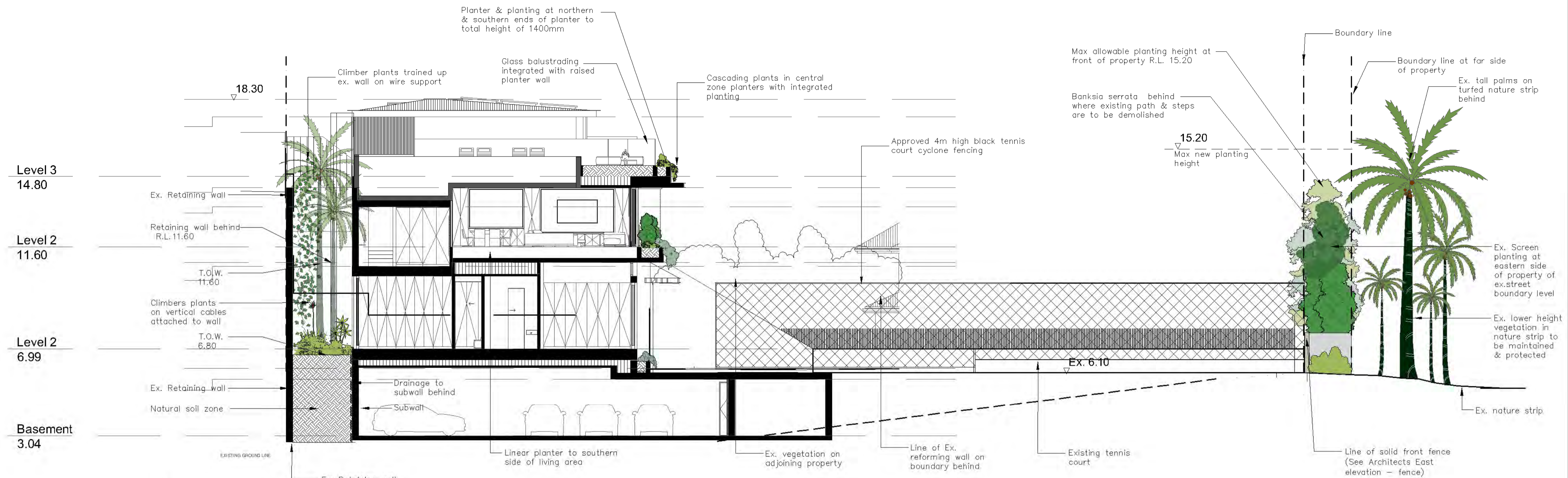
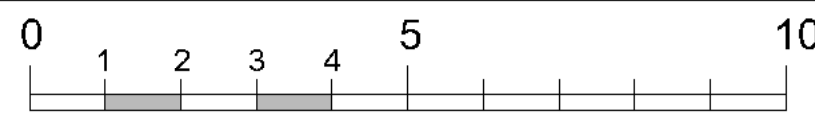
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Project: Proposed residence
2a Allen Ave,
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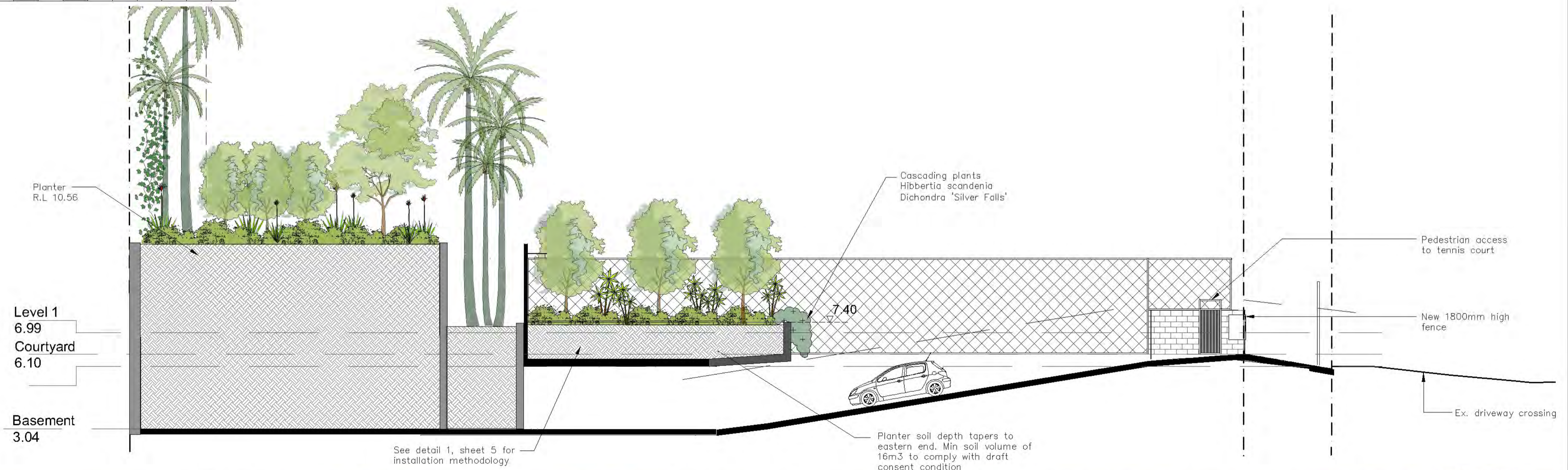
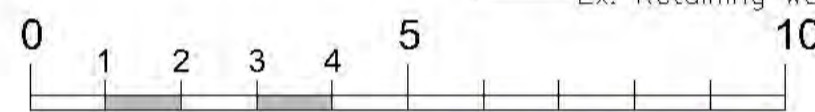
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Job Ref: 23/2585 Sheet No: 2 of 5

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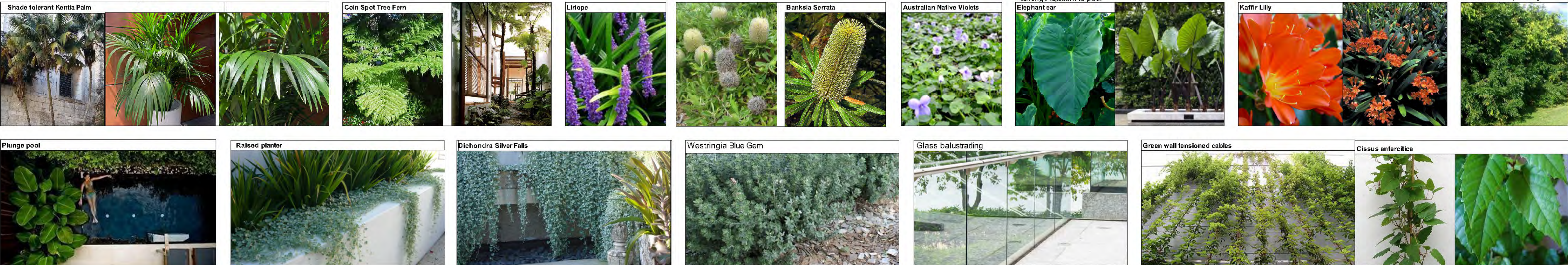
Sectional elevation AA 1:100 @ A1



Section BB 1:100 @ A1



Design palette images



Amendments

D	28.11.24	For DA
C	26.11.24	--
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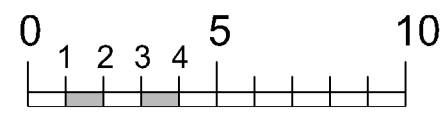
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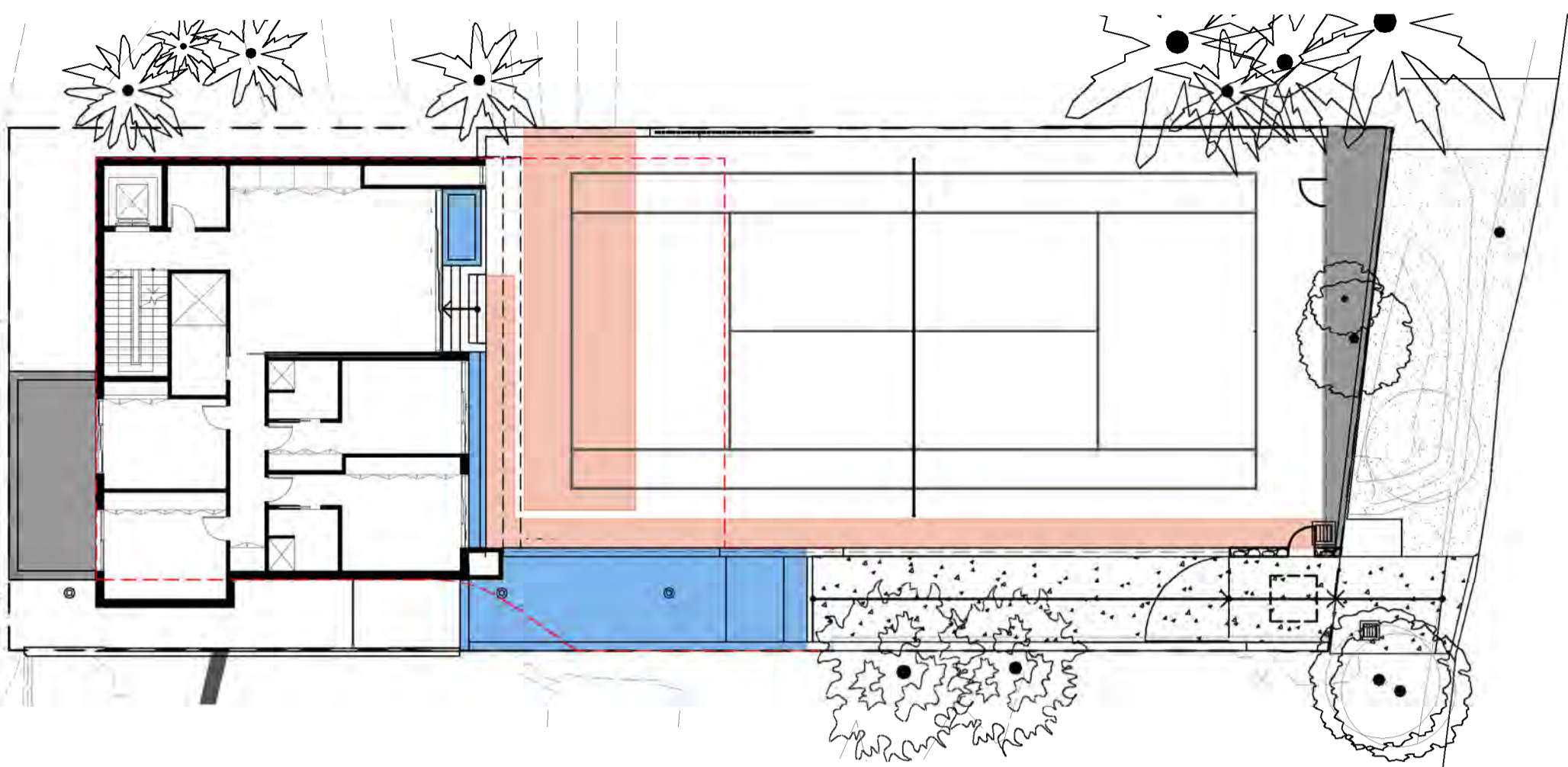
Job Ref: 23/2585 Sheet No: 4 of 5

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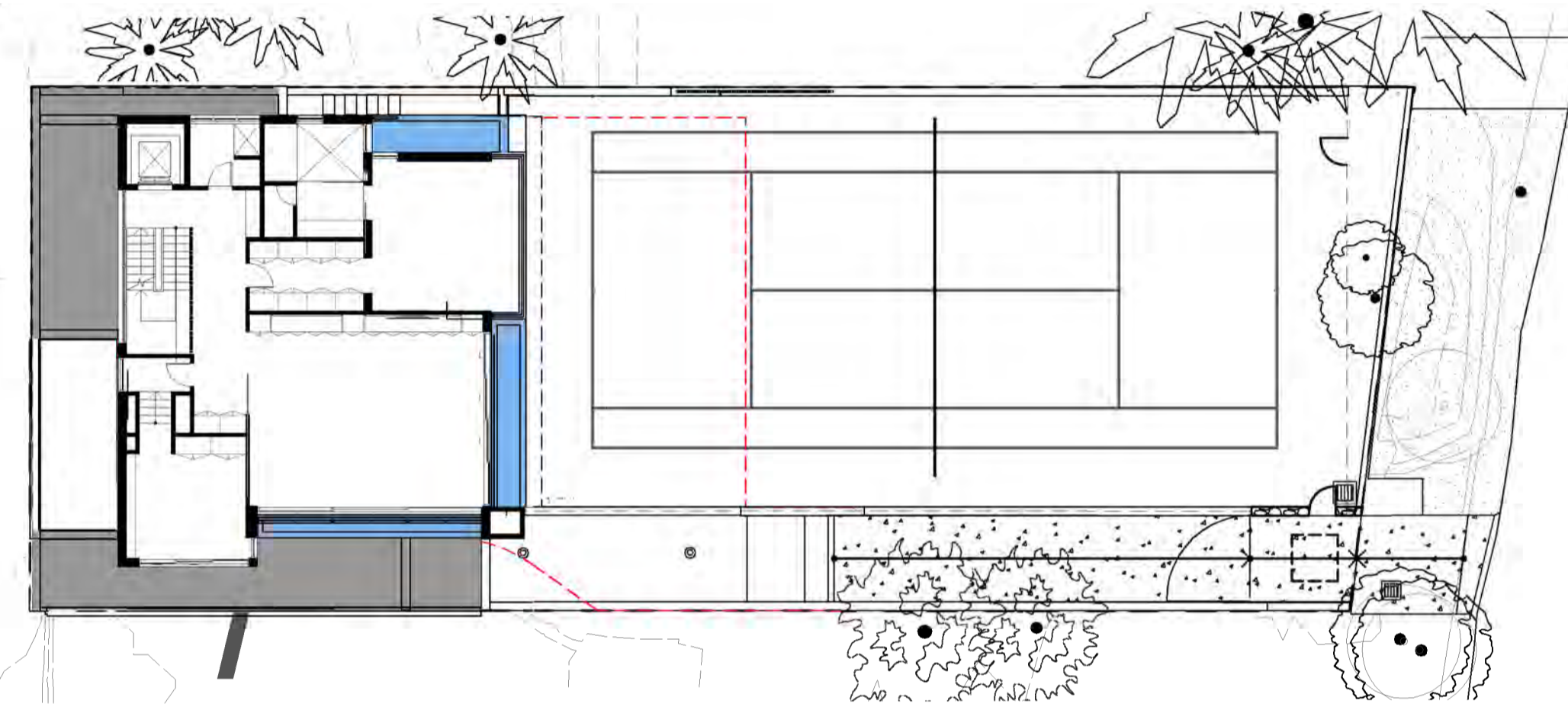
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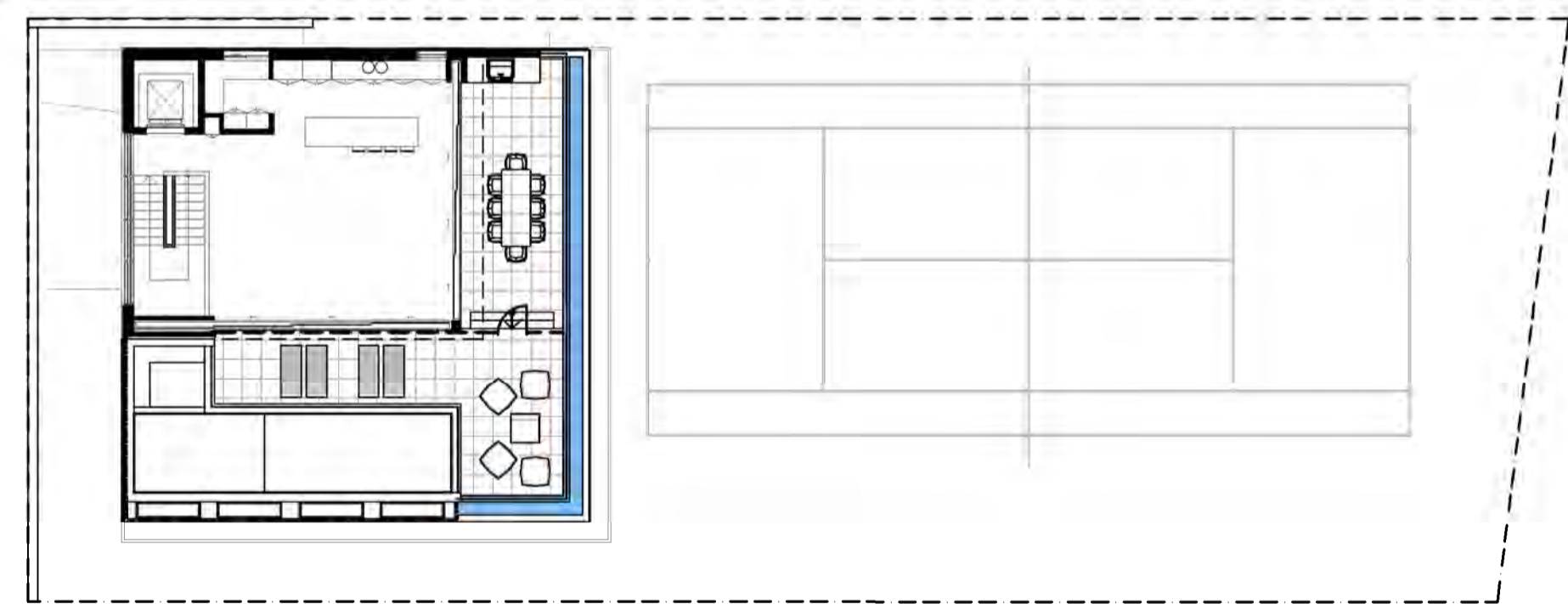
Level 1



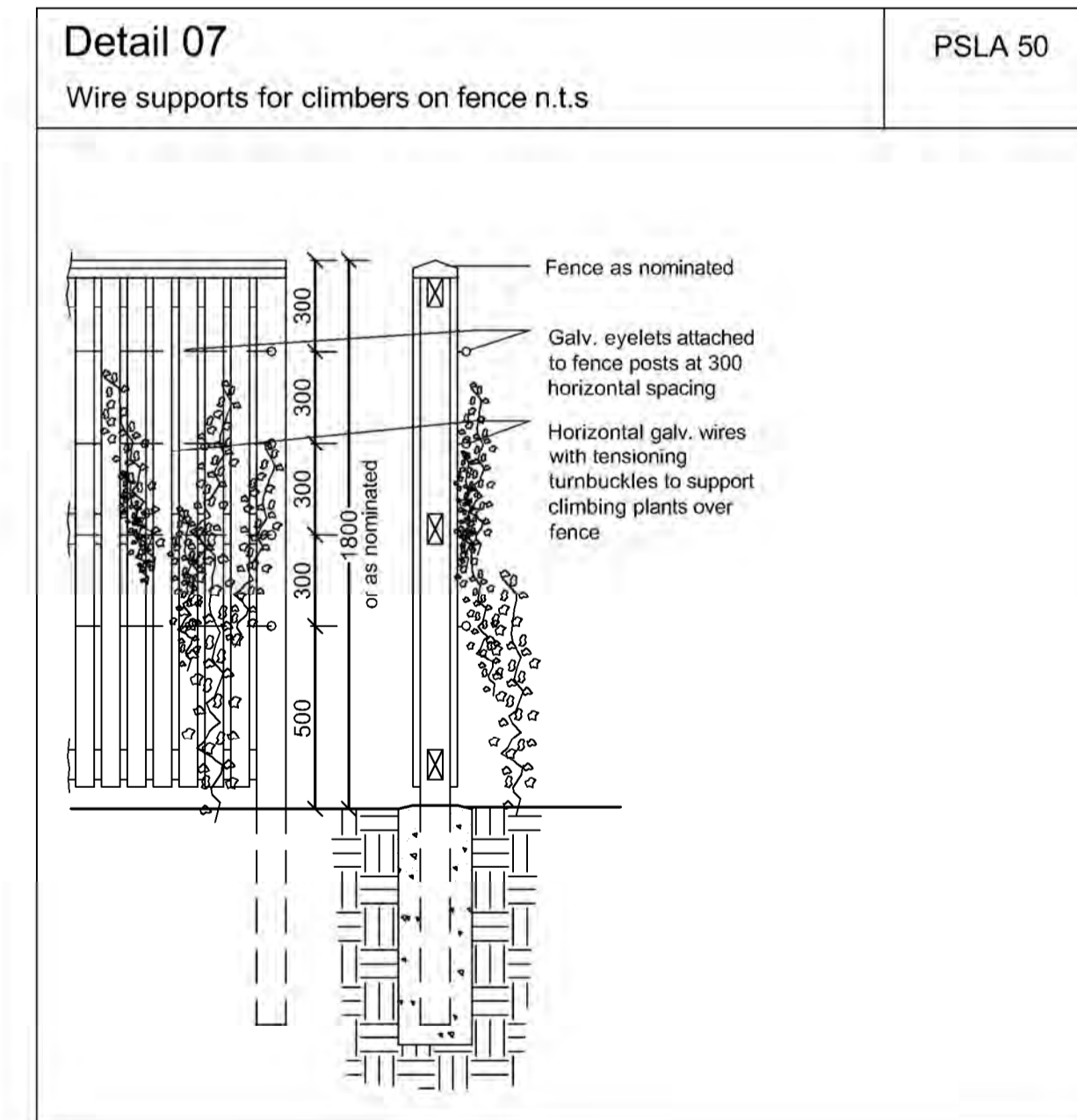
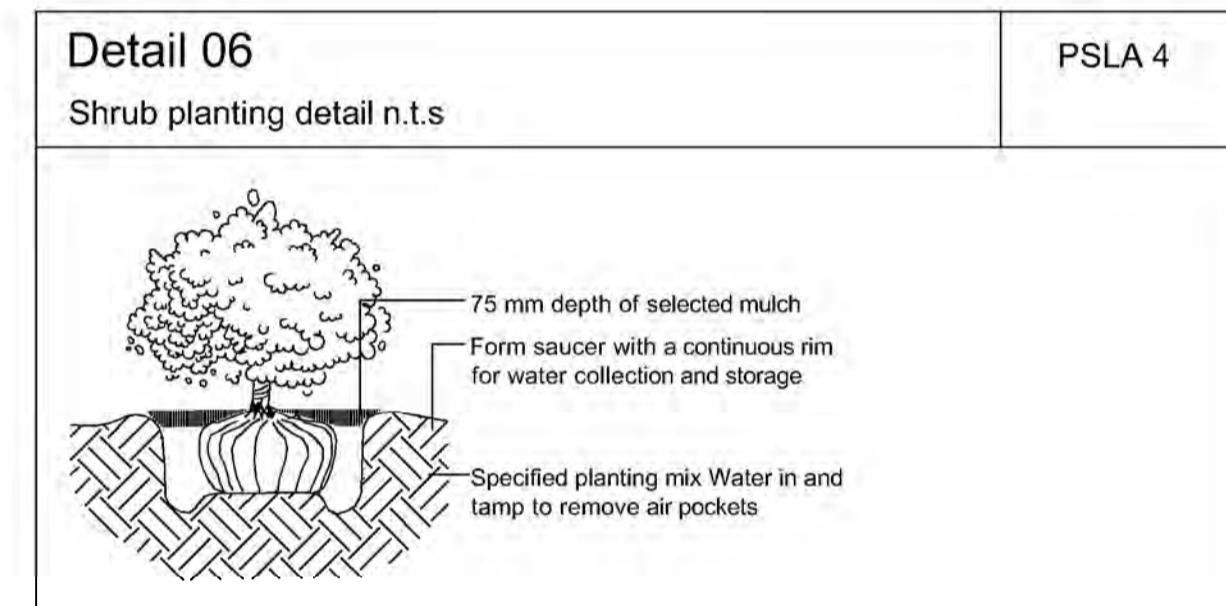
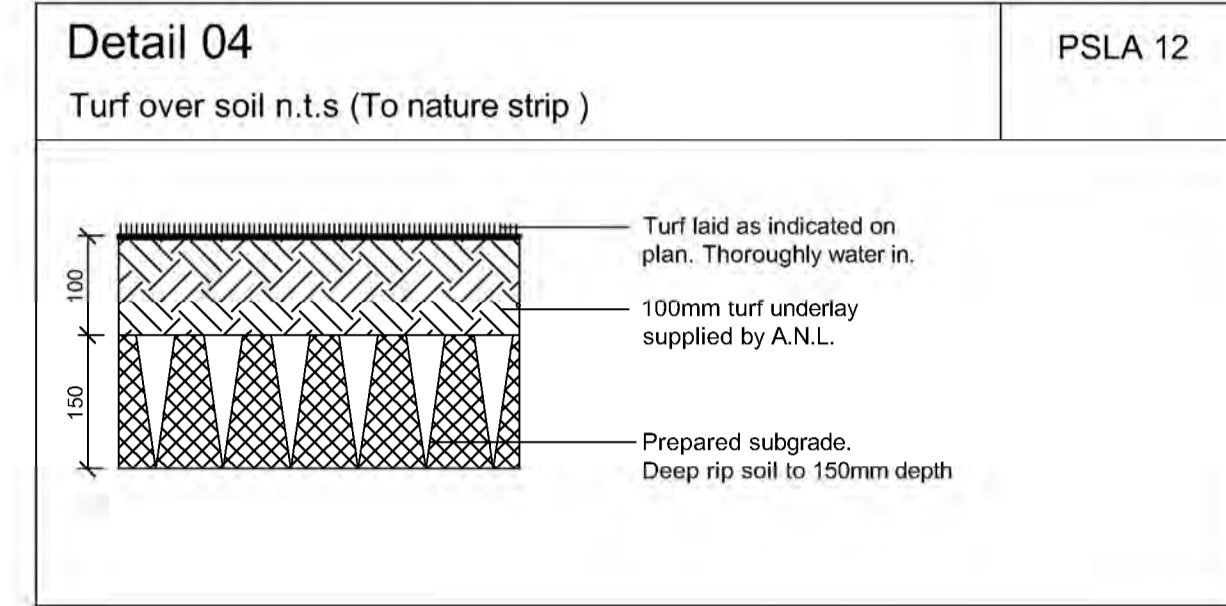
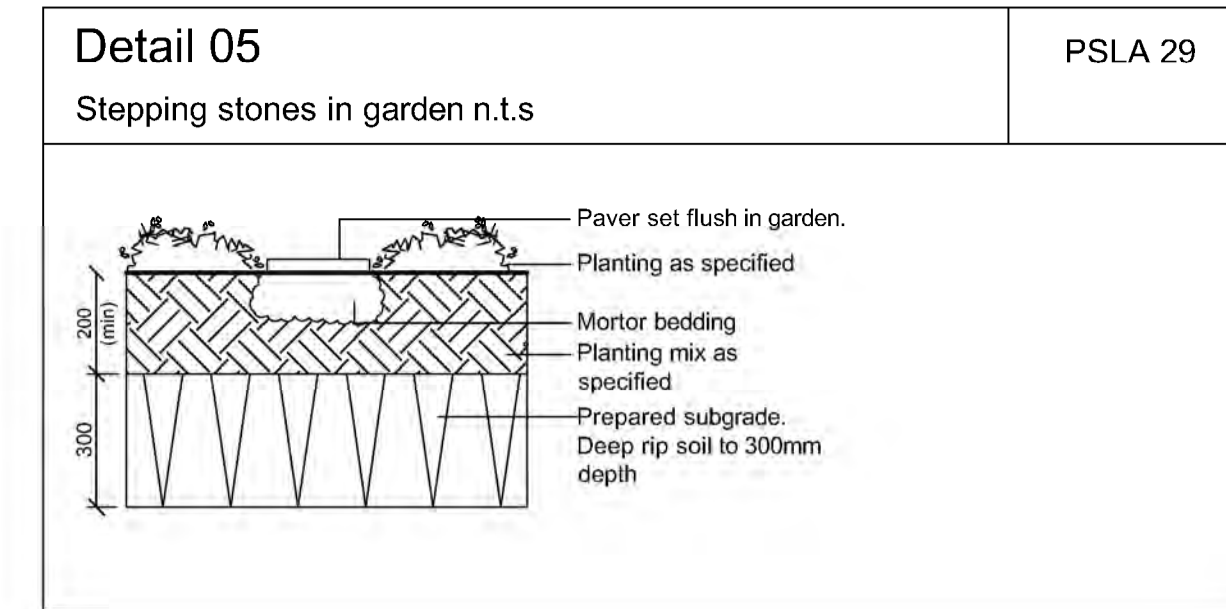
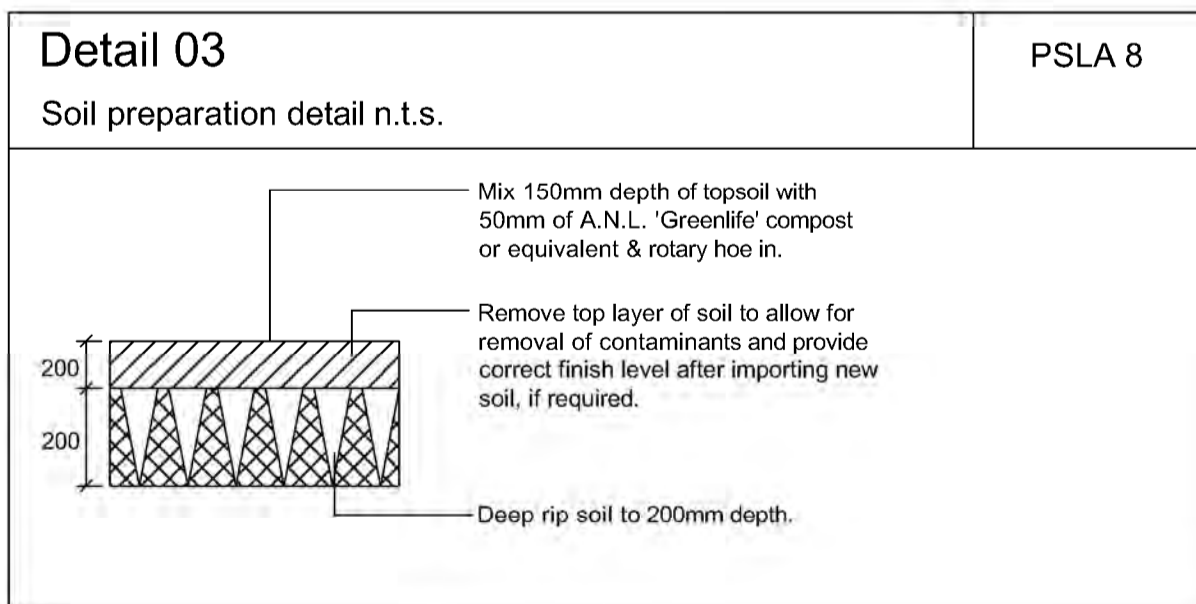
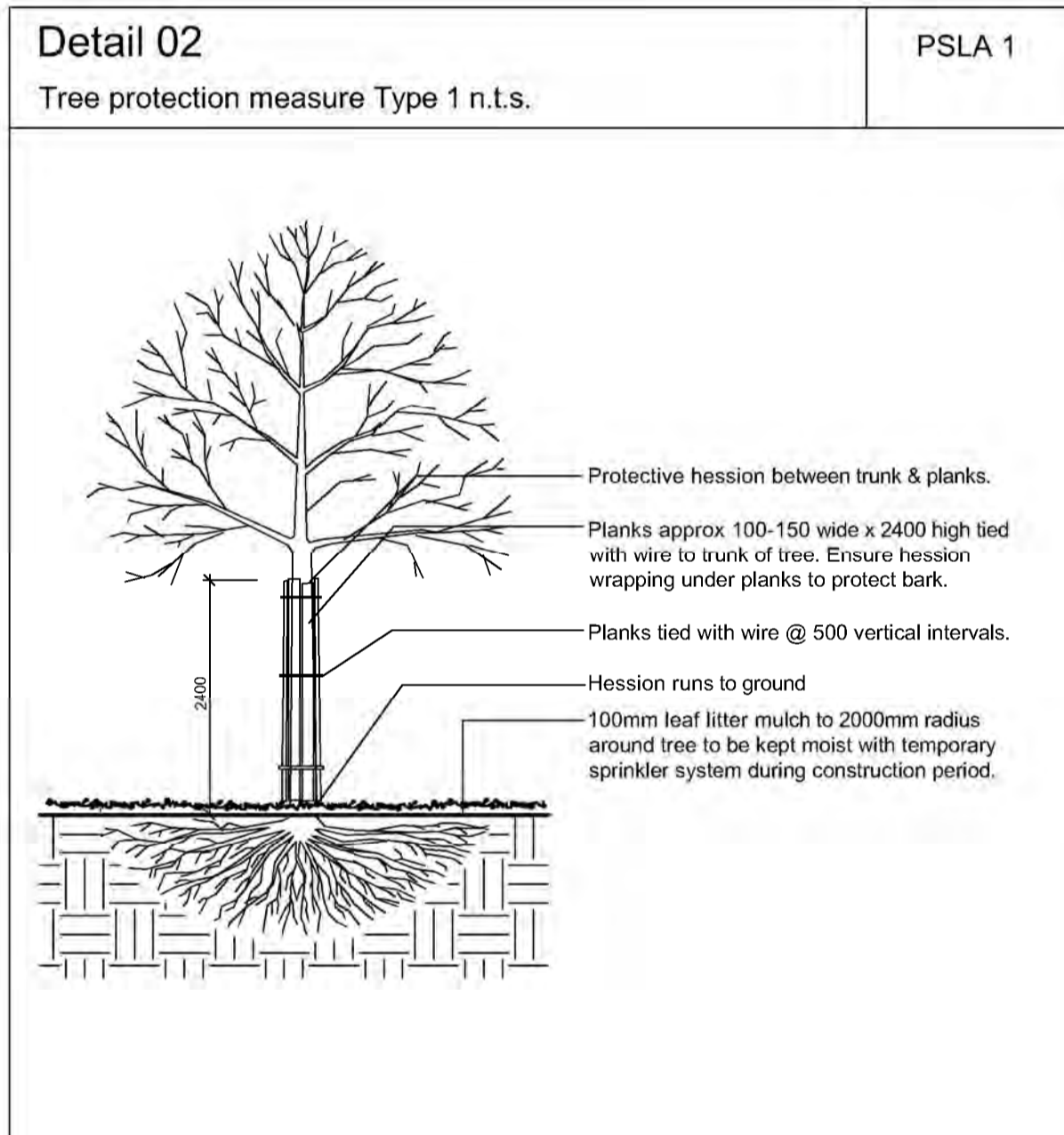
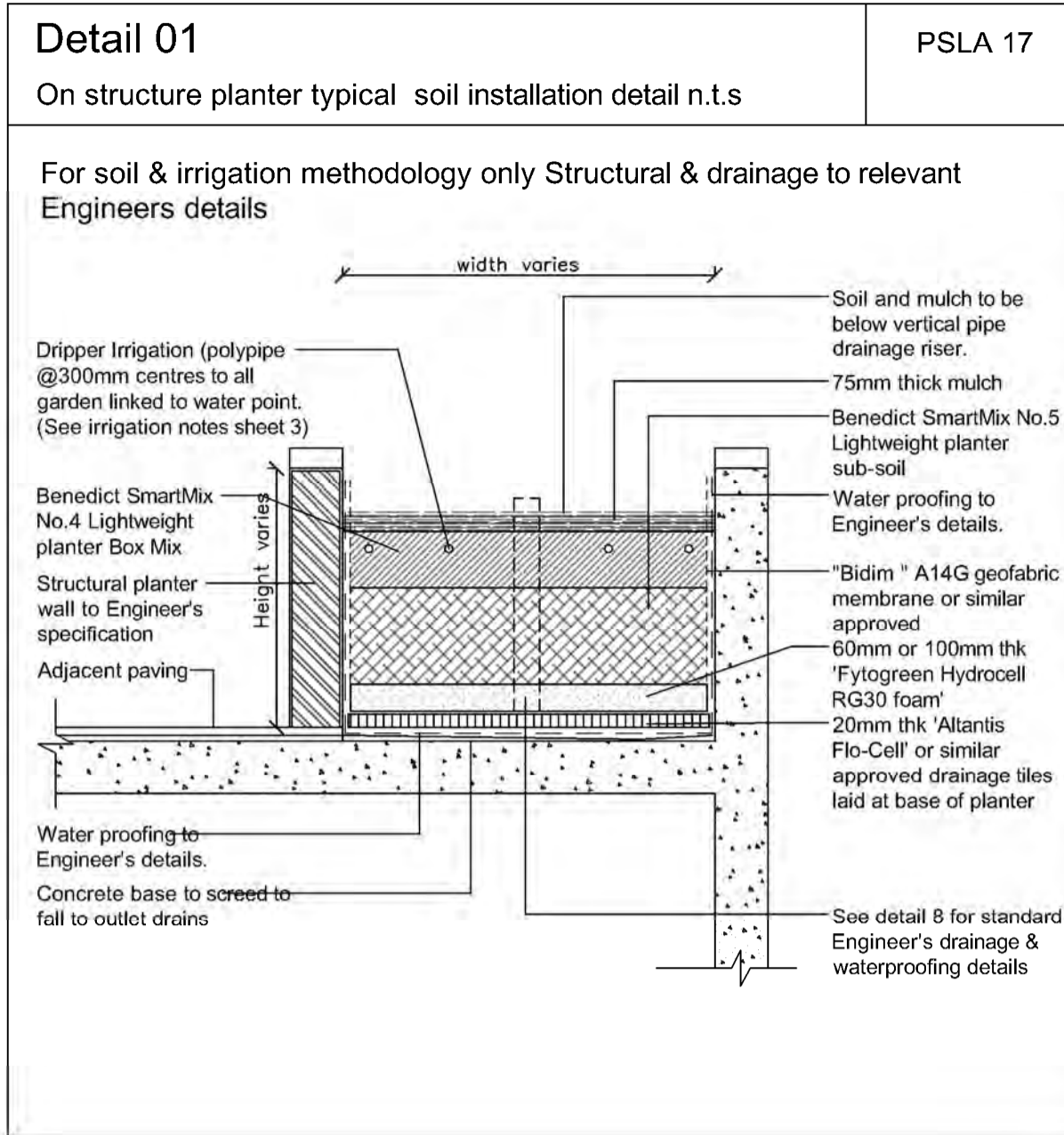
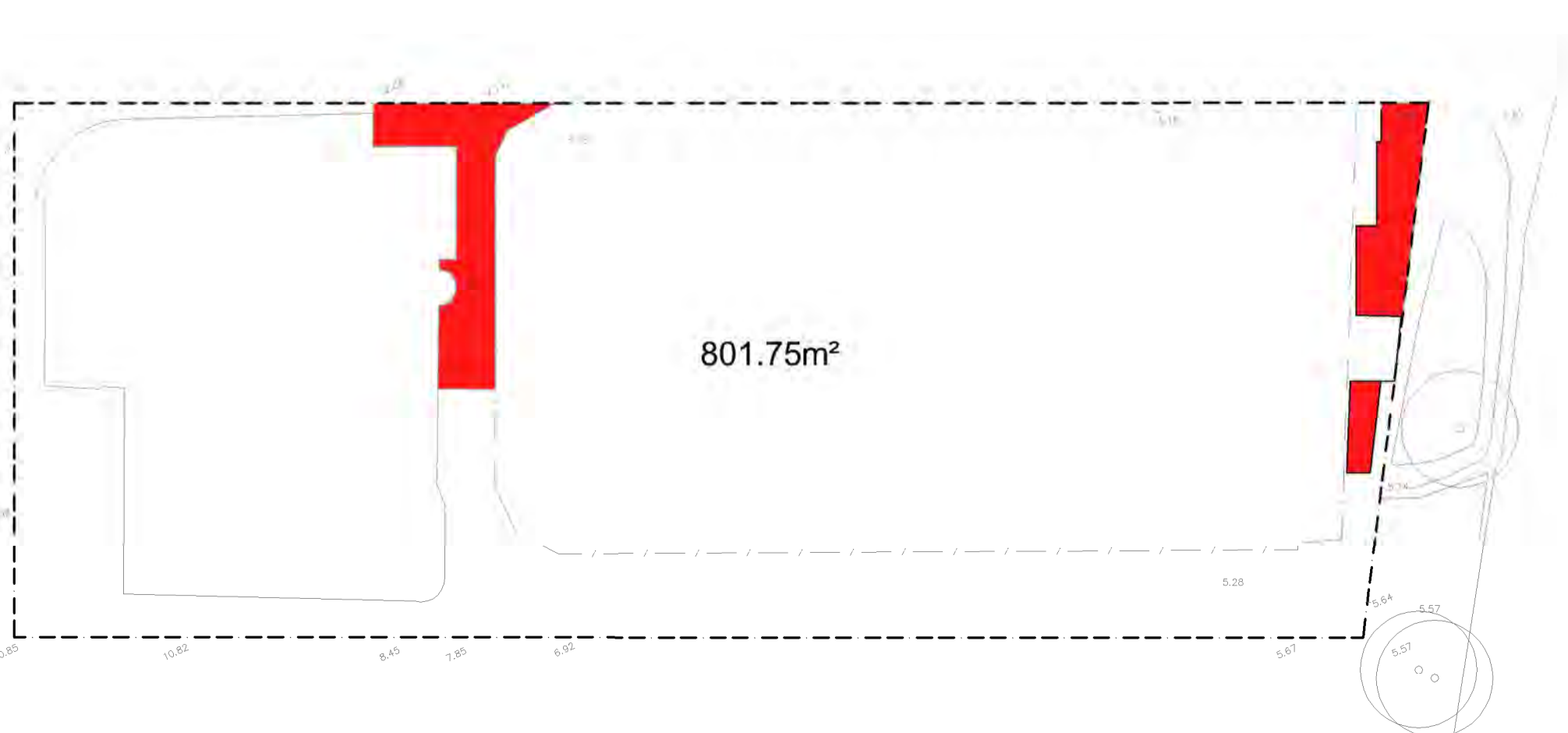
Level 2



Level 3



Survey- Existing soft Landscape



	Site area	801.75m ²
	Natural soil landscape (Detail 5)	116.70 m ² 13.70 %
	Raised planter landscape (Detail 1)	79.5 m ² 9.91 %
	Landscape area inclusion (D3.11)	88.6 m ² 10.04 %
	Ex. Landscape	34.6 m ² 4.31 %

Ex. soft landscape
34.6m² (4.3%)

Totals
Assessed landscape area (Grey & Blue)
123.54m² 15.41%
Additional planter areas
24.6m² 3.07% (Green)

Total 18.47%

Amendments

D	28.11.24	For DA
C	26.11.24	--
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Project: Proposed residence
2a Allen Ave,
Bilgola, NSW

Dwg: Soil Areas & Details **DA**
Date: 28.11.24 Scale: As shown
Job Ref: 23/2585 Sheet No: 5 of 5

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