

All structural elements
whatsoever to Engineer's
details



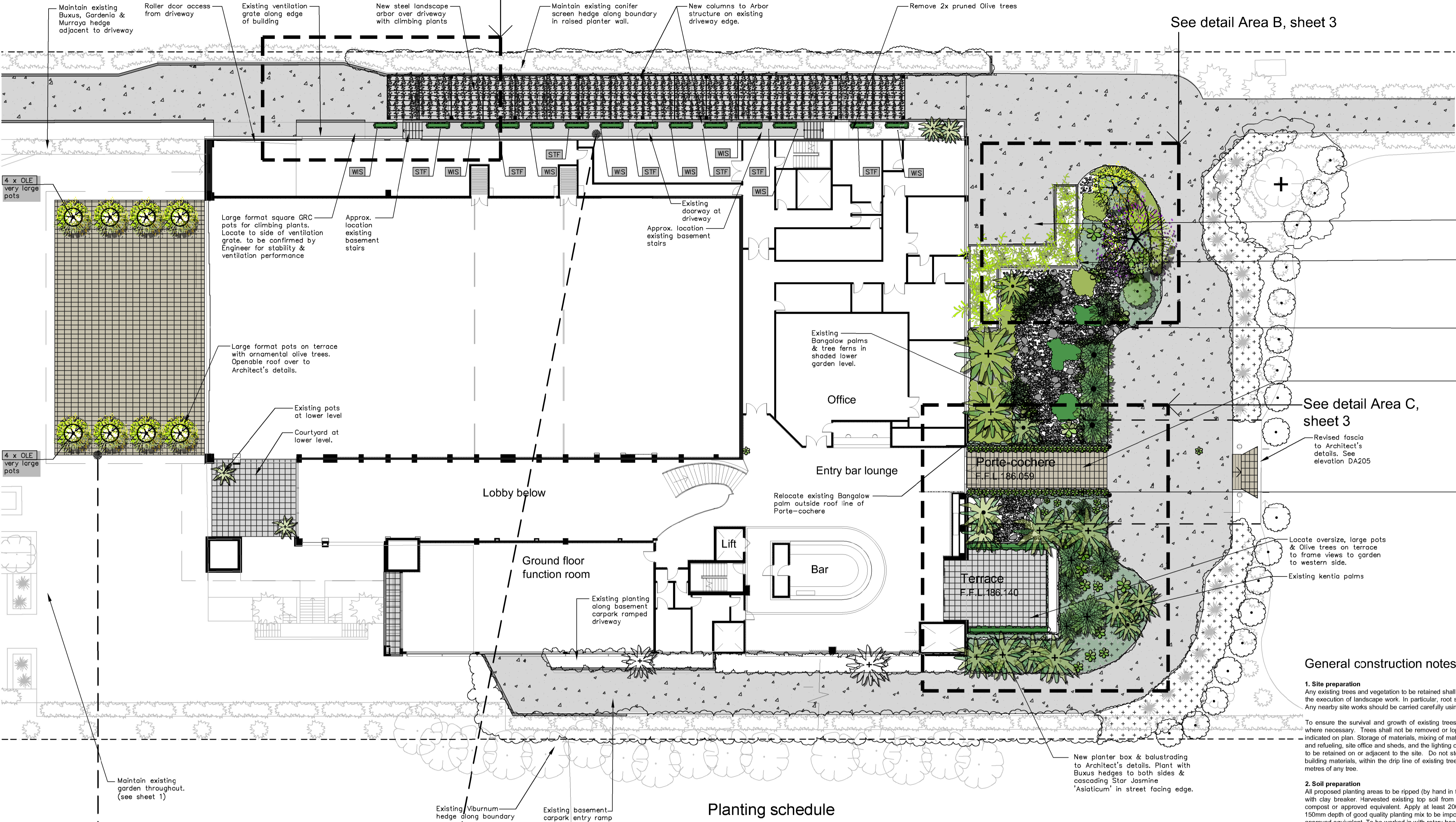
PO Box 813 Newport NSW 2106
ABN: 627 121 448
PHONE: 02 9907 8011
WWW.SCRIVENER-DESIGN.COM
EMAIL: PAUL@SCRIVENER-DESIGN.COM

PROJECT: MIRAMARE GARDEN EVENTS
48 MYOORA ROAD
TERRY HILLS, NSW 2084

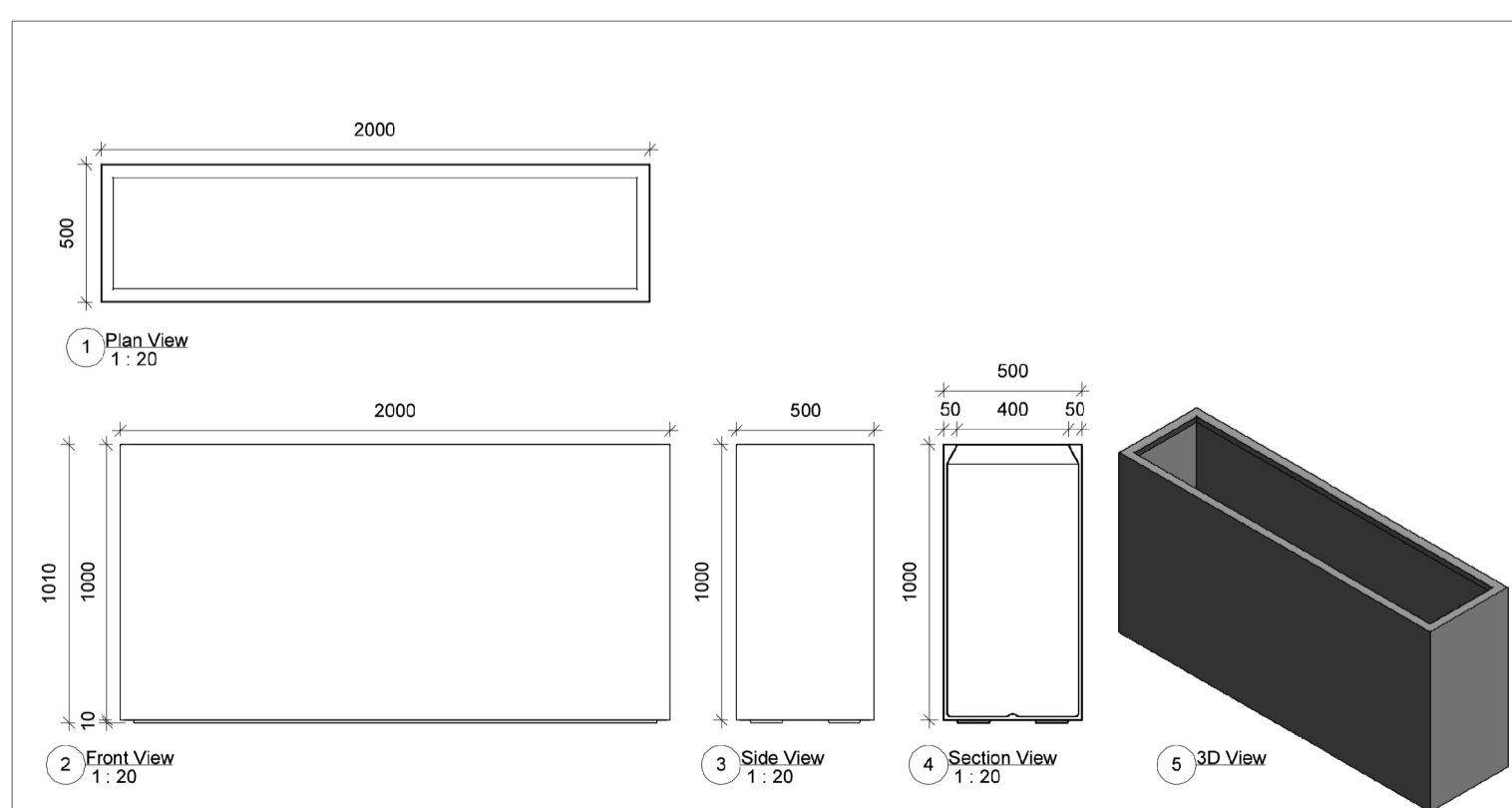
DWG:	LANDSCAPE SITE CONTEXT PLAN		
DATE:	4.3.19	SCALE:	1:500 @A1
JOB REF:	19/2056	SHEET No:	1 OF 3
ISSUE:	D	—	

AMENDMENTS	NORTH

Landscape detail plan 1:200 @ A1



Large format 2000x1000(h)x500(w) stand alone planters
(See sheet 3 'Detail area A' for typical section)



Quatro Design Pty Ltd
6 Kay St (PO Box 1243)
Murrumbidgee NSW 2464 Australia
Email: sales@quatrodesign.com.au
Web: www.quatrodesign.com.au

Product Name:
2000 NARROW 1000 TALL CIVIC PLANTER

Product Code:
CRP205010

Rev: A Date: 01/03/15

Planting schedule

Symbol	Botanical name	Common name	Cont. size	Staking	Mature height	No req.
Trees						
APA	Acer palmatum	Japanese Maple (small feature tree)	75L	nil	3-5.0M	0
PYR	Pyrus ussuriensis	Manchurian Pear (medium deciduous tree)	100L	2x50x50x1800	7-9.0M	0
Shrubs / small feature trees						
BMJ	Buxus microphylla 'Japonica'	Japanese Box Hedge (formal low hedging plant)	200mm	nil	0.4-1.2M	0
OLE	Olea Europaea	European Olive (Common Olive fruit tree)	45L	in oversized pot	1.6-2.2M	0
WFG	Westringia fruticosa 'Grey Box'	Ozbreed Grey Box® (hardy low screen can be hedged)	200mm	hedged	0.4-0.7M	0
WFA	Westringia fruticosa 'Aussie Box'	Ozbreed Aussie Box® (hardy low plant. Can be hedged tightly)	200mm	hedged	0.75-0.9M	0
XJ	Xylosma santicosum (japonicum)	Glossy Xylosma (Screening plant)	300mm	nil	3-4.0M	0
Ferns / Palms / Succulents / ornamental bamboos						
ARC	Archontophoenix cunninghamiana	Bangalow Palm (Tropical style tall palm)	Semi adv.	wire guys	8-12M	0
BGU	Bambusa guangxiensis	Dwarf Chinese Bamboo (ornamental bamboo can be hedged)	200mm	nil	2-3.5M	0
CAA	Cyathaea australis	Tree Fern (Native tree ferns)	300mm	nil	2-4.0M	0
LAV	Livistonia australis	Cabbage Palm (tall indigenous palm)	semi adv	wire guys	8-12.0M	0
RHA	Raphis excelsor	Lady Finger Palm	300mm	nil	2-2.5M	0
XM	Xanthorrhoea media	Grass Tree (Striking ornamental Grass tree with tall spike)	300mm	nil	1.5-2.5M	0
Groundcovers/Climbers						
DSF	Dichondra Silver Falls	Silver Falls (cascading groundcover in roof garden)	200mm	nil	0.15M	0
HIS	Hibbertia scandens	Guinea Flower (flowering climber / groundcover)	200mm	nil	0.3M	0
SDY	Strobilanthes dyerianus	Persian Shield (Flowering border plant)	200mm	nil	0.5-0.8M	0
EOT	Equisetum hyemale Bog Plant	Madagascar Vine (Flowering fragrant climbing plant)	300mm	over pergola	5-6.0M	0
TJA	Trachelospermum asiaticum	Flatmat Star Jasmine (Prostrate cascading flowering climber)	200mm	nil	0.2M	0
WIS	Wisteria sinensis	Chinese Wisteria (deciduous climber over pergola)	300mm	over pergola	5-6.0M	0
Ornamental grasses/strappy leaved plants						
CM	Clivia miniata	Kaffir Lily (shade tolerant groundcover)	200mm	nil	0.5M	0
DIA	Dianella 'Cassa Blue'	Hybrid Flax Lily (native grass like plant)	100mm	nil	0.4M	0
DIG	Dietses grandiflora	Wild Iris (low vertical hardy wild iris)	150mm	nil	0.7-0.9M	0
EOT	Equisetum hyemale Bog Plant	Horsetail Rush (Fine vertical narrow ornamental rushes)	150mm	nil	0.6-1.0M	0
ISN	Isoplexis (Fimicia) nodosa	Knobby Club Rush (native ornamental grass)	150mm	nil	0.6M	0
LIM	Liriope Evergreen Giant	Turf Lily (shade tolerant groundcover)	150mm	nil	0.4M	0

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.

General construction notes

- 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 arming where necessary. Trees shall not be removed or topped 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 the dripline of any existing trees to be retained on or adjacent to the site. Do not stockpile soil, rubble or other debris cleared from the site, or building materials, within the drip line of existing trees. Vehicular access shall not be permitted within three (3) metres of any tree.
- Soil preparation**
All proposed planting areas to be ripped (by hand in tree protection zones) to 200mm and clay soils to be treated with clay breaker. Harvested existing top soil from site and store on site and mix with 25% A.N.L. Greenlife compost or approved equivalent. Apply at least 200mm soil depth to planting areas. All additional soil to be 150mm depth of good quality planting mix to be imported and combined with 50mm A.N.L. Greenlife compost or approved equivalent. To be worked in with rotary hoe or by hand in tree protection zones. In general all care to be taken to hand cultivate in any area where existing tree roots exist to preserve health of trees.
- 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.

Mature heights of planting as shown on planting schedule show the greatest height possible in ideal conditions. These heights are subject to particular site conditions, possible container environments and intended hedging or pruning for functional requirements such as available planting width, intended access under branches and solar access.
- Planter boxes & waterproofing.**
All slab areas to be waterproofed and 'Atlantis' drainage cell installed with geotextile fabric. Refer Engineer's details for structural details for planter box drainage & construction. All internal planter slab levels to fall drainage outlets as detailed by Hydraulic Engineer. Ensure minimum 50mm cavity between planter box and building wherever planter joins building. Keep cavity clear of debris by providing capping row butted against building. Exterior finishes as per Architects detail. Ensure base of cavity is able to drain via weep holes in event water seeps into cavity so as to not build up against building wall. Containers to be at height as indicated on Architects' drawing. All planting containers or over slab planting to have the following:
 - Water proofing as specified by Architects. To extend along base and up to top of soil level of containers
 - 'Atlantis' drainage cell at base to be connected to drainage system of development (see typical detail sheet 2)
 - A.N.L. planter box soil mix or equivalent to be installed in all containers and over slab planting sit out
 - Contractor to install all planter box finishes after site works are completed to ensure no deterioration of waterproof membrane. Contractor to be responsible for the integrity of the waterproofing of the planter boxes
 - All planter boxes are to have automatic dripline irrigation system. Connecting pipes to installed in slab structures prior to slab pour. Irrigation supply lines to be installed by building contractor prior to waterproofing and internal planter box finishes
- Mulching**
All planting areas to be mulched with a minimum 100mm thick cover of woodchip mulch and then all plant areas to be thoroughly soaked with water. All mulch shall be free of vegetative reproductive parts of all weed species
- Fertiliser**
All planting areas to be fertilised with 9 month/NPK slow release fertiliser.
Mass planted areas: allow one slow release Agriform pellet per 5-25 litre plant. All fertilisers to be applied in accordance with the manufacturers instructions.
Turfed areas: Supply and install Agriform slow release fertiliser or approved equivalent lawn start fertiliser applied at the rate recommended by the manufacturer
- 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 and to finish a minimum of 800-1000mm above finished levels
- Engineering**
All structural and hydraulic details whatsoever to Engineer's details.
- Maintenance**
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 thirteen (13) 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.

Irrigation notes

Automatic drip line watering system to be selected. To extend to all new garden areas in the area of new works including all in-situ planter boxes and stand-alone planters development within the areas indicated by the dashed line on the plan shown on sheet 1. Dripline supply system only to be incorporated. Sub-contractor is to provide an irrigation design to meet the following requirements.

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 as 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).

Irrigation system to be supplied from rainwater tanks as nominated on the Hydraulic Engineer's plans with town water top up system.

Chemical root control: Provide standard chemical root inhibiting chemical cartridge. These are to be industry standard, in-line replaceable cartridges located for easy access for replacement cartridge installation

Automatic Controller: Provide automatic 2 week timer with hourly multi-cycle operation for each zone as noted on the irrigation areas plan on sheet 2.

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)

Proposed planting
(See schedule sheet 2)

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PAUL SCRIVENER
LANDSCAPE ARCHITECTURE

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ABN: 627 121 448

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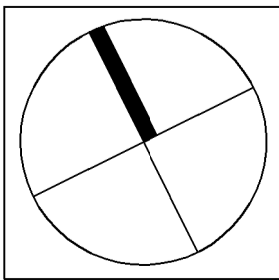
DWG: DETAIL PLAN

DATE: 4.3.19 SCALE: 1:200 @A1
JOB REF: 19/2056 SHEET NO: 2 OF 3
ISSUE: D

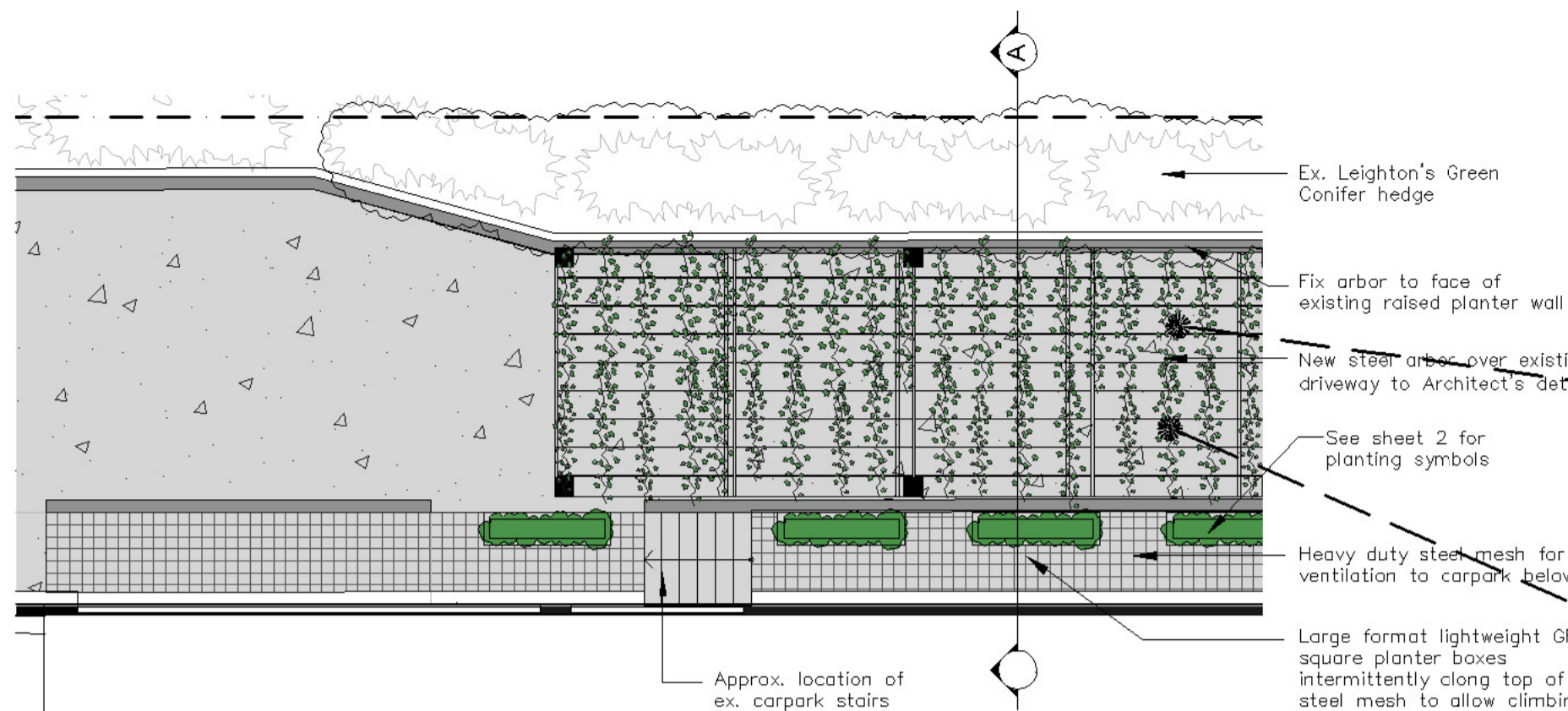
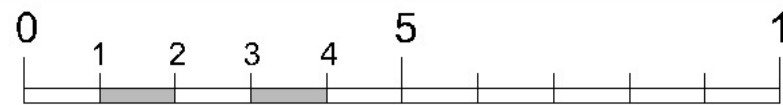
Builder must verify all dimensions of the site before work commences.
All dimensions should be used to determine the location of all works.
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AMENDMENTS

NORTH



Landscape detail plan - Area 1, 2 and 3 1:100 @ A1



Ex. Leighton's Green Conifer hedge

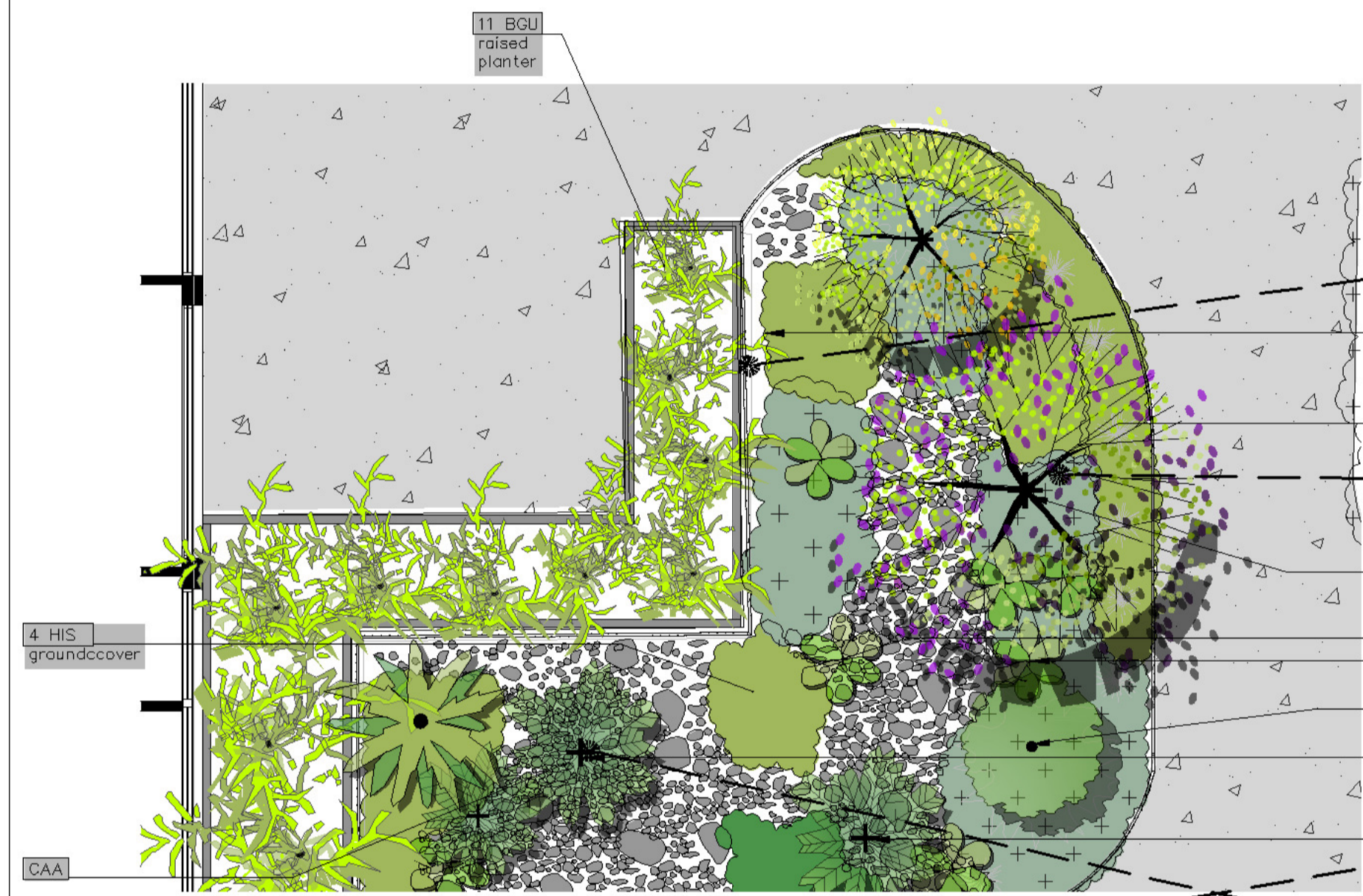
Fix arbor to face of existing raised planter wall

New steel arbor over existing driveway to Architect's detail

See sheet 2 for planting symbols

Heavy duty steel mesh for ventilation to carpark below

Large format lightweight GRC square planter boxes intermittently along top of steel mesh to allow climbing plants over. Locate over 2x steel support bars, to Engineer's details. See sheet 2 for planter specification



11 BGL raised planter

4 HIS groundcover

CAA

Raised planter to Architect's detail.

PYR

New deciduous Manchurian Pear tree

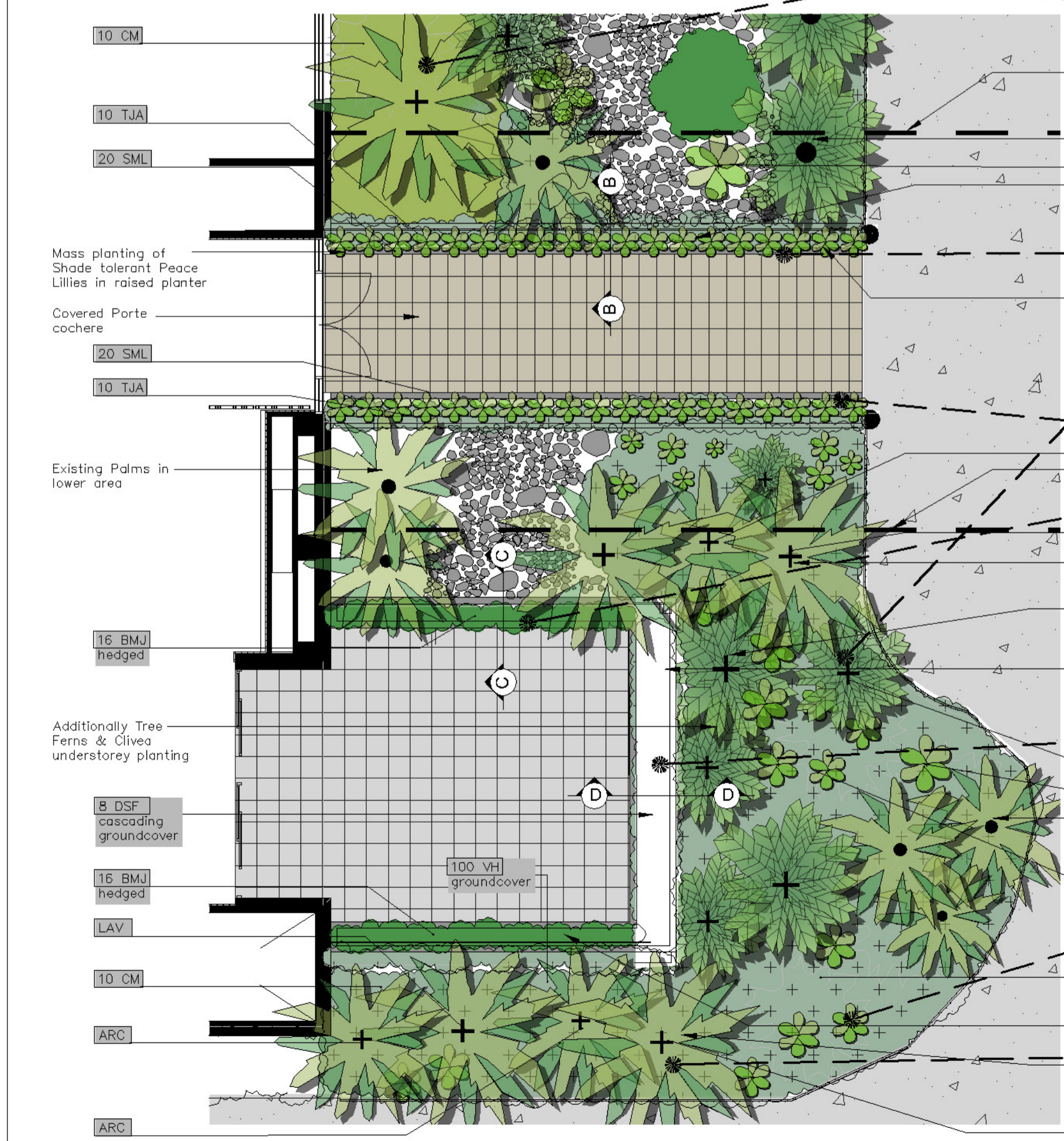
RHA

Additional intermittent planting of Dietes grandiflora

Existing Magnolia 'Little Gem'

Additional Cyathea cooperii Tree Ferns to supplement existing

CAA



10 CM

10 TJA

20 SML

Mass planting of Shade tolerant Peace Lillies in raised planter

Covered Porte cochere

20 SML

10 TJA

Existing Palms in lower area

16 BMJ hedged

Additionally Tree Ferns & Clivia understorey planting

8 DSF cascading groundcover

16 BMJ hedged

LAV

10 CM

ARC

ARC

Line of roof structure over

Existing Tree Ferns

RHA

Climbing plants & external cascading plants of Star Jasmine.

New raised planterbox & integrated balustrading to Architect's details.

Line of roof structure over

2 LAV

Additional Livistonia Palms between outdoor terrace & entry walkway

Additional planting of multi-height shade tolerant Cyathea cooperii, Tree Ferns in lower area

New raised planterbox & integrated vertical poles to roof structure to Architect's details. Star Jasmine climber trained up posts

Underplant with Peace Lily

3 CAA

RHA

Existing Palms

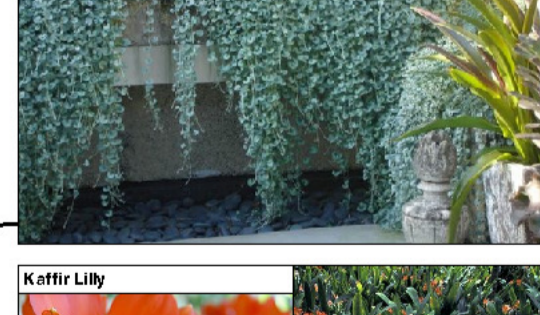
25 CM

100 VH scattered groundcover

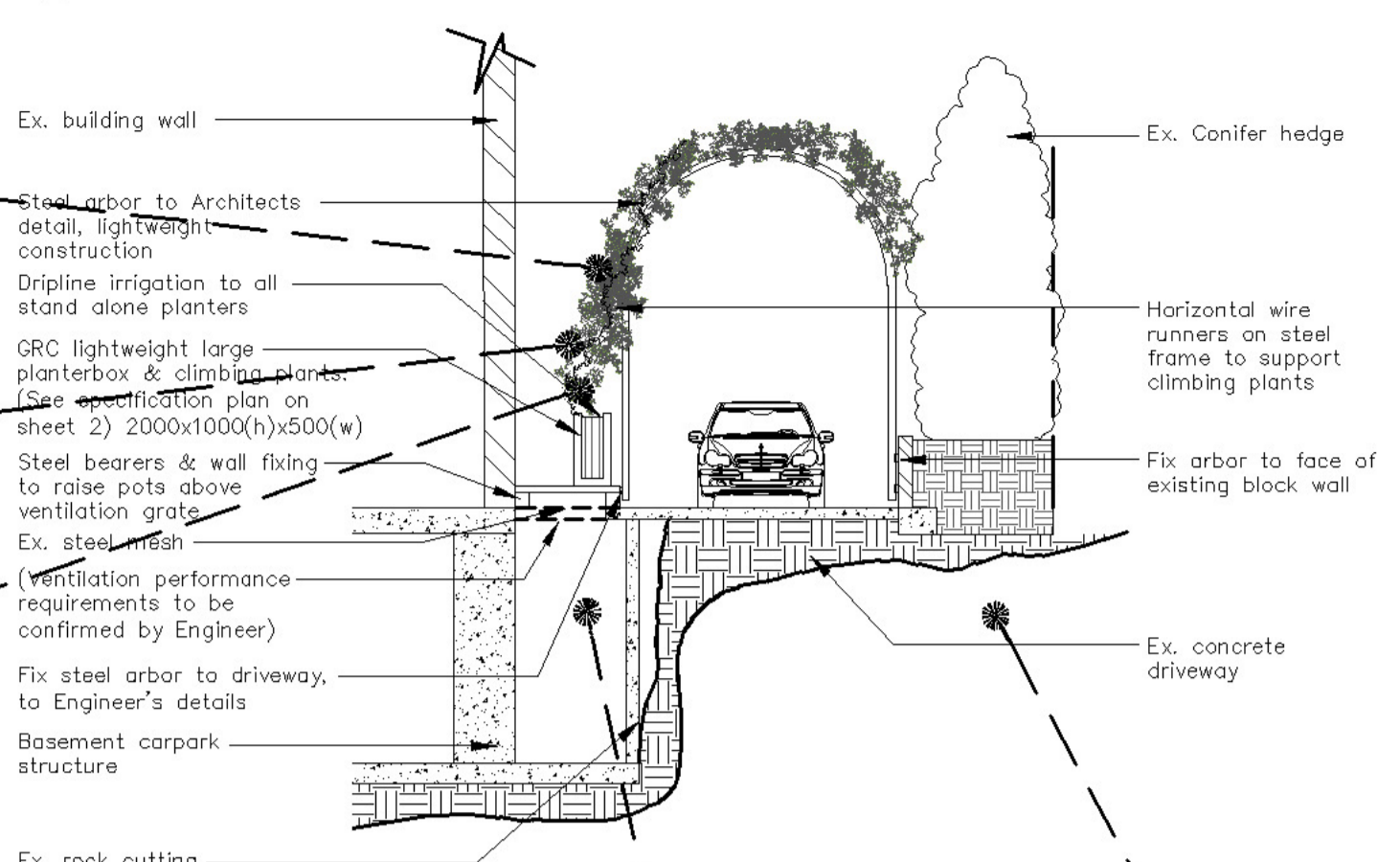
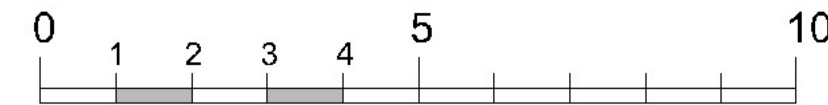
New in-situ raised planter. See section CC

Additional Livistonia Palms between ramped driveway & existing terrace

LAV



Typical section AA 1:100 @ A1



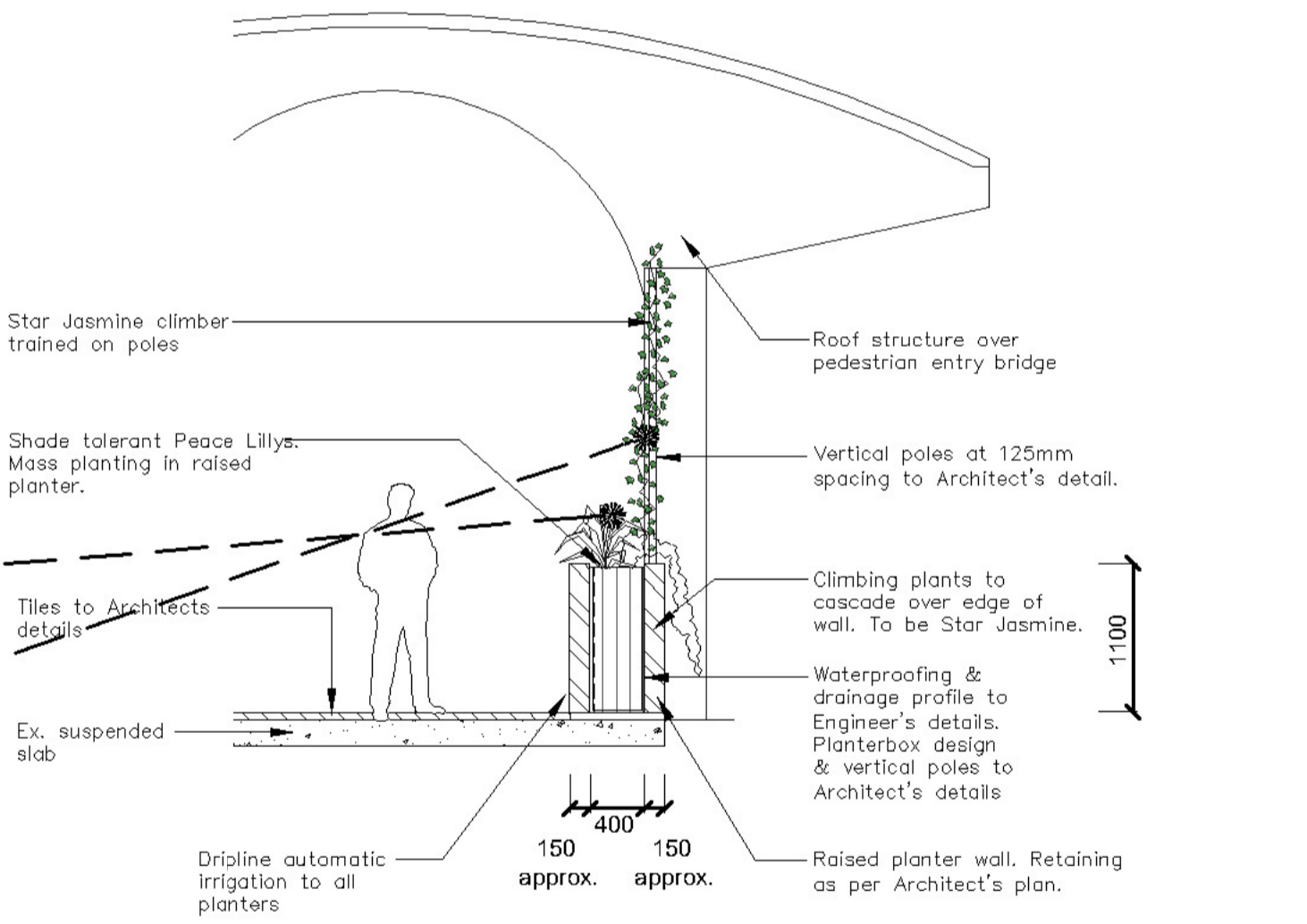
Existing ventilation grate & stairs



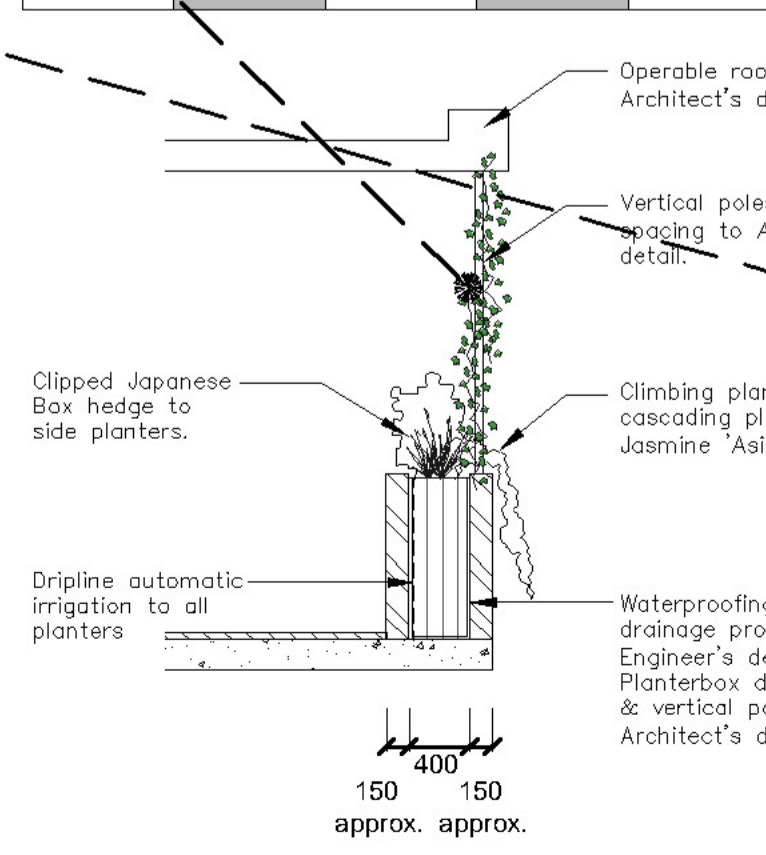
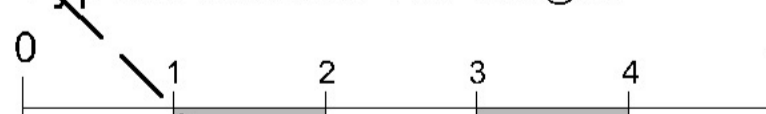
Existing wall & planter



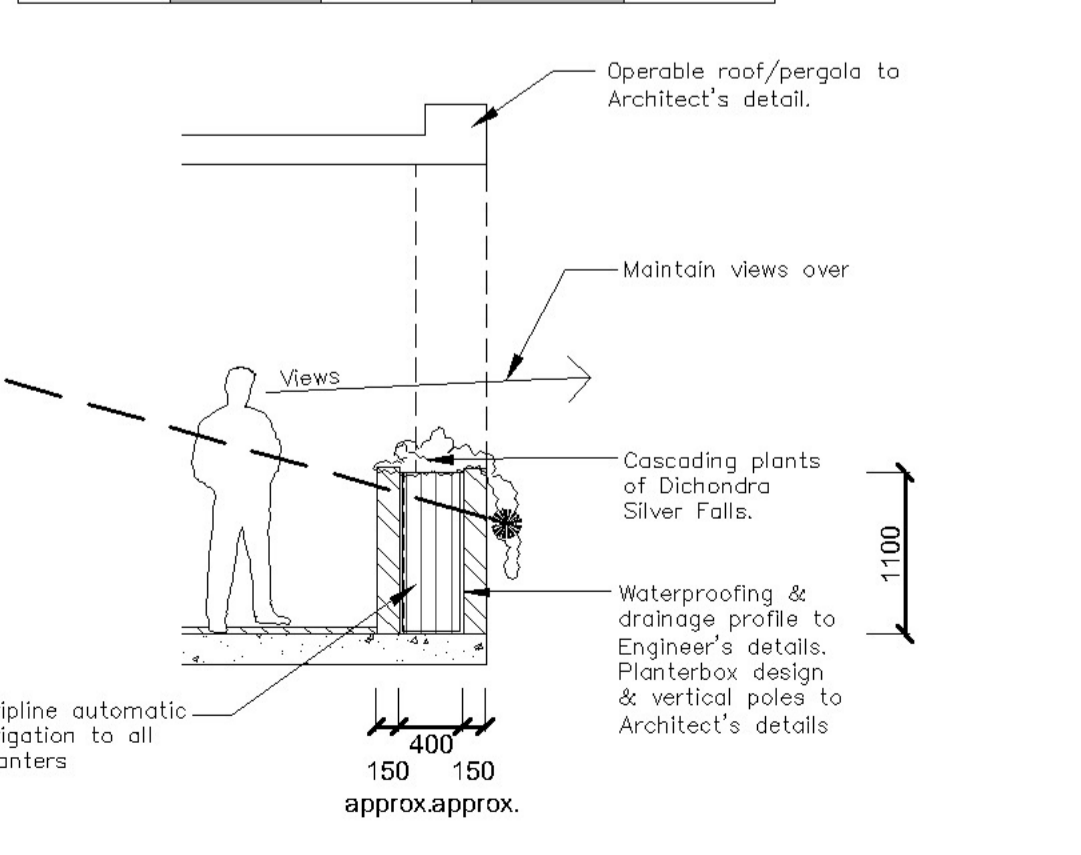
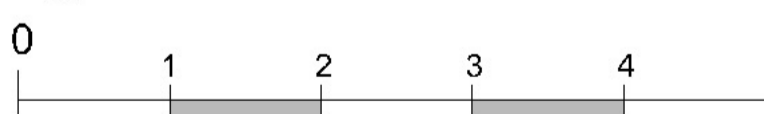
Typical section BB 1:50 @ A1



Typical section CC 1:50 @ A1



Typical section DD 1:50 @ A1



Legend

- Existing trees
- Proposed evergreen trees
- Proposed Deciduous tree
- Proposed Deciduous tree
- Palm
- Strappy leaved understorey plants
- Tree Ferns
- Low shrubs / ornamental grasses
- Screen plants
- Private open paving
- Groundcovers
- River stones
- Walls
- Proposed levels
- Survey layer under
- Proposed planting (See schedule sheet 2)

All structural elements whatsoever to Engineer's details



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AMENDMENTS

NO.	DESCRIPTION

NORTH