

LANDSCAPE SPECIFICATION

SCOPE

The scope of the Landscape works to be completed by the appointed Contractor in order to satisfy the requirements of this construction specification includes, but is not limited to, the following tasks:

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- Site preparation & general earthworks (inc. minor grading & sub-grade cultivation);
- Supply and installation of imported topsoil;
- Supply and installation of subsurface drainage;
- Supply and installation of pebble mulch;
- Supply and installation of garden edging;
- Surface treatment of paving nominated. Refer to Civil drawings for specification and construction details;
- Supply and installation of external furniture;
- Supply and installation of trees, tree stakes and container stock;
- Implement tree protection measures and techniques;
- Performance Irrigation Specification; and
- Landscape Establishment & Maintenance

REFER ALSO TO AMPOL LANDSCAPE SPECIFICATION - SECTION 17 Landscaping.

Landscape scope does NOT include:

- Fencing, TGS's, streetscape, field gullies, external lighting and paving, ALL by others.

- 1.0 INDUSTRY STANDARDS
- IMPORTANT: Failure to provide certificates of evidence of compliance, to the Landscape Architect for approval prior to installation of the above will result in the landscape contractor removing NON-COMPLIANT MATERIAL and installing COMPLIANT MATERIAL. all at the sole expense of the Landscape Contractor.
- All works addressed within this specification must be implemented in accordance with the following Australian Landscape Standards:
- AS 1289
 - AS 4419-1998
 - AS 4454-1999
 - AS 4970-2009

Methods of Testing Soils for Engineering Purposes

Soils for Landscaping & Garden Use

Composts, Soil Conditioners and Mulches

Protection of Trees on Development Sites
- 2.0 SETTING OUT & SITE PREPARATION
- Set out all landscaping works in accordance with approved landscape drawings and verify all dimensions prior to commencement of site works.
 - Cultivate subsurface of all future garden areas to a depth of 150mm, remove any rock, stones, extraneous vegetation or building refuse greater than 100mm and rake in preparation for topsoil spreading.
 - Ensure positive drainage off all landscape areas and garden beds.
 - The Contractor shall be responsible for accuracy of all works during their progress and make good any errors caused by a failure to comply with the approved documentation, or otherwise negligence and poor workmanship on their part.
- 3.0 SITE LEVELS
- Confirm all site levels before commencing landscaping work.
 - Natural turf areas are to fall at a minimum gradient of 1:50 away from the base of existing and proposed buildings.
 - Unless otherwise shown on drawings all finished surface landscape levels are to finish flush with surrounding concrete paths, kerbs, field inlets, inspection chambers etc.
 - Requirement: Grade external paving to even falls.
 - Drain the surface away from structures and to outlets or the surface run-off system provided without ponding.
 - Unless otherwise specified, maintain finished levels without step or break at changes of finish.
 - Finished surface levels to be minimum 1:50 over turf, fall evenly.
 - Ensure garden areas (mulch) finish 25mm below adjacent finished surface levels.
 - A licensed plumber is responsible for undertaking or supervising works as defined by the Plumbing & Drainage Act 2002.
 - Field Gullies, by others. Connect to nearest existing stormwater pipe.

- 4.0 FIRE ANTNS
- All imported materials to be certified and recorded as free of fire ants.

- 5.0 EROSION
- All necessary precautions to be implemented to prevent erosion and sediment dispersal from site.
 - Ensure compliance with all relevant local Council Environmental Conditions and Standards and Refer to the Institute of Engineers Australia Erosion & Sediment Control Guidelines for appropriate ESC mechanisms.

- 6.0 CULTIVATION
- Cultivate existing soil subgrade (natural) to all garden areas to a minimum 150mm depth.
 - If natural subgrade has been removed add "high grade" topsoil to bring levels to appropriate height (i.e. final subgrade level should be 300mm lower than top of kerb).
 - If any of the subgrade (down to 300mm) is road base or compacted material; remove and replace with 300mm of "high grade" top soil.
 - Do not disturb services or tree roots and remove all stones and clods exceeding 100 mm diameter and all other extraneous matter and refuse (i.e. building material, weeds etc.) brought to the surface.

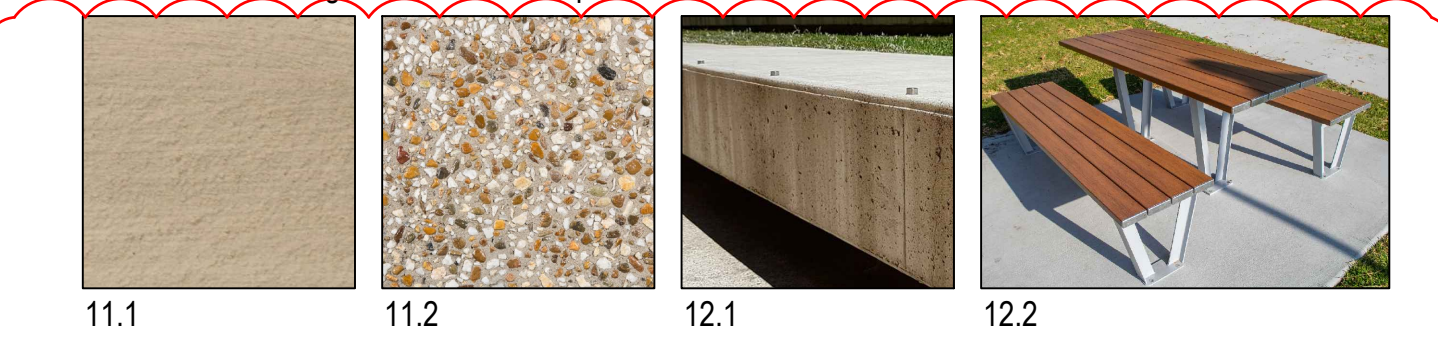
- 7.0 TOPSOIL
- Imported topsoil to be a high grade fertile mix of 'Soil Blend', as per Australian Standards AS4419 - 1998 (Soils for Landscape and Garden Use).
 - Soil to be generally described as medium sandy loam and shall not set and become difficult to work as a consequence of saturation or desiccation.
 - Imported topsoil is clean and free of extraneous matter including stones (>25mm diameter) weeds, roots, rubbish and any other material potentially toxic to plant growth.
 - Imported soil to be min. 5% organic, pH 5.5 -7, salt < 0.06%.
 - Apply Gypsum over cultivated site surface at 0.25kg/m² prior to spreading topsoil.
 - Spread topsoil to an even 300mm depth to all planting areas on ground.
 - Ensure topsoil is at appropriate height to allow for mulch layer.

- 8.0 SUBSURFACE DRAINAGE
- Sub-surface drainage is to be provided to all garden beds, on ground, as specified on the Landscape Plan.
 - Refer to sub-surface drainage detail on Landscape drawings.
 - Conduits for sub-surface drainage, 100mm diameter UPVC pipe, to run beneath all hard surfaces.
 - Sub-surface Drain: Provide drain as detailed using filtered plastic core subsoil drain (100mm socked slotted ag. pipe) and constructed as follows:
 - Backfilling: Backfill with filter media or excavated material as previously specified.
 - Filling: Fill top 150mm with river stone mulch of 20 - 50mm gauge or 100mm with approved top soil.
 - A licensed plumber is responsible for undertaking or supervising works as defined by the Plumbing & Drainage Act 2002.

- 9.0 PEBBLE MULCH
- Nuway Landscape Supplies "Coal Gravel" gunmetal grey crushed rock, or equal approved, 20mm Ø at 75mm depth.
 - All pebble to be set minimum 100mm away from plant stems.

- 10.0 GARDEN EDGING
- Concrete edge: 150 x 150mm plain grey concrete edge, as shown on Landscape Plan.
 - Cast insitu concrete or machine laid, with minimum 100mm compacted hard fill sub-base.
 - Construction joints every 4m or at direction change. Refer Landscape Detail.

- 11.0 PAVING
- Coloured concrete, Boral "Canvas," or equal approved (11.1).
 - Exposed aggregate coloured concrete, Boral "Cherry Blossom," or equal approved (11.2).
 - All paving to be sealed, as per manufacturer's recommendations.
 - Refer to civil drawings for construction specification.



- 12.0 EXTERNAL FURNITURE
- 12.1 RAISED PLANTER WITH CONCRETE PLINTH SEATING WALL
- 12.1.2 Raised Planter /Concrete Plinth Seating Wall
- Hexagonal concrete plinth seat, forms a raised planter wall to feature tree & groundcover planting.
 - Refer Structural Engineer's detailing of concrete plinth seat, refer TFA Project Group documentation.
 - Ensure irrigation access, subsurface drainage & waterproofing to raised planter, refer to Landscape Details.
 - Fosroc 'Nitoproof 210' waterproofing, or equal approved, to be applied to all internal concrete planter walls.
 - Install Fosroc 'Proofex Sheeldrain 81' to protect waterproofing, or equal approved.
 - 450 wide x 450mm height concrete plinth seat, with mitred corners.
 - Raised planter to be open to natural ground beneath, with minimum 450mm deep cultivated sub-base, below ground level.

- 12.1.2 Cylindrical Anti-skate Studs
- Cylindrical Anti-skate Studs (12.1) installed as per manufacturer's recommendations to concrete plinth.
 - Code: 42-SK8C Cylindrical Stud Skateboard Deterrents. Manufactured from 316 grade stainless steel.
 - Size: 20(W) x 10(H)mm, at 500mm centres, refer Landscape Detail.
 - Stem size (spigot) is 6(D) x 30(L)mm. Suggested hole size is 8mm.

- 12.2 PICNIC SETTING
- Gossi Park & Street Furniture, Signature Range 'Monaco' Picnic Setting (12.2), or equal approved.
 - Extruded aluminium woodgrain finish - 'Blackbutt', includes anti-scratch coating.
 - DDA compliant with wheelchair access to both ends.
 - Standard powder coat grey Dulux 'Citi Pearl' legs.
 - Bolt down flange leg footing. Stainless steel anti-vandal fixings.
 - Firm substrate and min. 25MPa concrete slab, as detailed by Engineer.
 - Install and maintain as per manufacturer's specifications.
 - 1800 x 685 x 747mm Table (lwh) and 1800 x 453 x 453mm benches
 - No back or arm rests to bench seats, two to each table.

- 13.0 NATURAL TURF
- Natural turf to perimeter of hydroseed area, as shown on Landscape Plan.
 - Species: "A Grade" Queensland Blue Couch, or similar approved, over 50mm imported topsoil.
 - Min. thickness: 25mm, Turf roll width: 300mm, Mowing height: 35mm.
 - Obtain turf from an approved specialist grower of cultivated turf. Provide turf of even thickness, free from weeds and other foreign matter.
 - Deliver the turf within 24 hours of cutting, and lay it within 36 hours of cutting. Prevent it from drying out between cutting and laying.
 - Provide to the Superintendent a warranty from the supplier that the turf is free from weeds and other foreign matters.
 - Mix approved lawn fertiliser as per manufacturer's specification, thoroughly into the topsoil before placing turf and apply fertiliser at the completion of the first and last mowing, and then as required to establish and maintain a healthy grass cover.
 - Ensure soil surface is smooth, firm and consistent before turf is laid.
 - Turf shall be laid in stretcher pattern with the joints staggered and close butted with rolls laid parallel with the long sides of level areas and with contours on slopes.
 - Turf areas to finish flush after a light tamping, with adjacent finished surfaces (i.e. concrete slabs) Do not use a roller.
 - Water immediately after laying until the topsoil is moistened to its full depth. Continue watering to maintain moisture to this depth. Keep the grass in a healthy condition.
 - Mow to maintain the grass height within the required range. Do not remove more than one third of the grass height at any time. Carry out the last mowing within 7 days before the end of the planting establishment period.
 - Remove grass clippings from site after each mowing.

- 14.0 HYDROSEEDING
- Hydroseeding mixture
- A slurry of seed mixture, fertiliser, binder and water. Seed mix type A complying with Table 1. Fertiliser to be a broad spectrum type CK55 or equivalent.

TABLE 1 - Seed Mix type A		
Seed Species		Proportion
<i>Digitaria didactyla</i> (blue couch) - unhulled		30%
<i>Axonopus affinis</i> (carpet grass)		30%
<i>Tetila rye</i> (in dry season) or Japanese millet (in wet season)		10%

GENERAL NOTES:

1.

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Dimensions indicated on drawing take precedence over scaling from printed drawings.

- Mixing
- Thoroughly mix the slurry in a purpose made mechanical mixer.
- Application rates
- Seed mixture: The rate applicable to the mix type. Refer Table 2.
 - Water: Suitable for the site conditions, and sufficient to assist in the distribution of the seed and fertiliser. Refer Table 2.

Slurry mixture	Minimum application rate each 1000 m ²				
	Flat to gentle slopes < 5%	Gentle slopes 5 - 12%	Slopes 12 - 20%	Slopes 20 - 50%	Steep slopes > 50%
Fertiliser	50 kg	50 kg	50 kg	70 kg	as required
Seed	6 kg	6 kg	6 kg	7 kg	12 kg
Water	as required	as required	as required	as required	as required

- Application
- Apply 50mm imported topsoil, as specified.
 - Prepare the areas to be sown. Spread the fertiliser evenly over the cultivated bed within 48 hours before sowing, and rake lightly into the surface. If a prepared area becomes compacted from any cause before sowing can begin, rework the ground surface before sowing.
 - Moisten the topsoil to its full depth before applying the slurry. Apply the slurry using high pressure pumping equipment operated by trained personnel. Spray the mixed slurry under pressure, maintaining the thoroughly mixed supply, operating on a front so that the mixture is evenly distributed over the area. Complete each front before next.

- Watering
- Before germination: Water the seeded area with a fine spray until the topsoil is moistened to its full depth. Continue watering until germination to keep the surface damp and the topsoil moist but not waterlogged.
 - After germination: Water regularly during first 2 weeks (min 3 times per week) to ensure germination and active growth to maintain a healthy condition, progressively reduce watering intervals during weeks 3 to 8 to harden off to the natural climatic conditions.
 - CAUTION:AT THE END OF WEEK 4 FOLLOWING HYDROSEEDING, ANY AREAS THAT HAVE NOT ESTABLISHED SUCCESSFULLY, AS CONFIRMED BY THE LANDSCAPE ARCHITECT, ARE TO BE RE-HYDROSEEDED THEN WATERED AND MAINTAINED FOR 8 WEEKS.

- Mowing
- Mow when grass height exceeds 100 mm at hydroseeded or hydromulched areas. Maintain the grass height within the required range of 50 +/-15 mm. Carry out the last mowing within 7 days before the end of the planting establishment period. Disperse grass clippings evenly over the mowed area. In areas where mowers cannot gain access, trim grass with power scythes.

- 15.0 PLANTS
- All sourced plants- as specified by the Plant Schedule, shall be healthy and vigorous, and true to their species, type and form.
 - All Plants are to be vigorous and well established, sun hardened and have no evidence of root curl, restriction of damage.
 - No substitutions shall be made without prior approval from the Landscape Architect (Shelly Connellan).
 - Plants to be completely free of pests, diseases and fungal contamination (inc. roots).
 - Do not vary location of plants, unless necessary to avoid service lines, pipes etc.
 - Do not set root ball below soil surface that it remains flush with surrounding levels.
 - Backfill pits with imported topsoil and site soil mix, including 3# slow release fertiliser tablets for native plants (i.e. Agriform or equivalent) to manufacturer's specification.
 - Apply 5 Litres of water to each plant immediately after planting.

- 16.0 ADVANCED TREES & STAKES
- Install advanced trees as per Landscape Plan in pits twice the size of the pot, with scarified sides to prevent root constriction.
 - To tree pits apply 0.5kg of Gypsum and pike the hole base before plant installation to prevent water welling.
 - Backfill by hand with imported soil and approved fertiliser tabs (x 3). Do not stamp soil about tree base.
 - All trees to be supported with hardwood timber stakes, driven 600mm into ground outside the perimeter of the tree root-ball to prevent damage to roots.
 - Trees to be supported by a loose Hessian tie set in figure eight pattern at a third of the stem height which is stapled to the stakes.
 - Trees should stand plumb and in the centre of the hole after staking.
 - Stakes and ties to be removed 6 months after installation.

- 17.0 TREE PROTECTION
- Landscape Contractor to implement tree protection measures prior to any construction works commencing on site.
 - Tree Protection techniques to be implemented throughout construction, as per Australian Standards, with regular monitoring of tree protection throughout construction.
 - Ensure harmful materials are not placed close to or within the drip line of retained trees, including construction material, vehicles, machinery, chemicals, storage and debris.
 - If excavation is required near trees to be retained use hand methods to locate, expose and cleanly remove roots on the line of excavation. If it is necessary to excavate within the drip line, use hand methods such that root systems are preserved intact and undamaged.
 - Tree roots exceeding 50mm diameter are not to be cut. Where it is necessary to cut tree roots, use means such that the cutting does not unduly disturb remaining root system.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1153

Date: 25 MAY 2021

Checked

DRAWING SCHEDULE

LP-01 LANDSCAPE SPECIFICATION

LP-02 LANDSCAPE DETAIL PLAN & GENERAL NOTES

LP-03 LANDSCAPE DETAILS, PLANT SCHEDULE & IMAGES



AMENDMENT ISSUE:		
Issue	Date	Details
A	26/02/21	Tender Issue
B	04/03/21	Amended Tender Issue
C	31/03/21	ISSUED FOR CONSTRUCTION
subject to EDQ approval		

- 18.0 PERFORMANCE IRRIGATION SPECIFICATION
- The following performance specification outlines the responsibilities and commitments which need to be addressed by the appointed irrigation contractor in order to complete the terms of their engagement.
- Refer to Hydraulic Engineer's drawings for water source for irrigation purposes, connected to mains water.
 - Refer to Electrical Engineer's drawings for location of general power outlet (gpo) for irrigation control panel use.
 - All garden bed areas and raised planter on site, as documented on the Landscape Plan, are to be inline drip irrigated, set beneath pebble mulch layer, by an electronic 10 station (minimum) controller system in accordance with all relevant Australian Standards and legislative regulatory requirements.
 - No irrigation to be installed to temporary turf areas on site. ENSURE REGULAR MANUAL WATERING.
 - The system shall be automatically controlled (7 day cycle) and include industry approved pressure compensating subsurface drip lines to gardens, with all pipe work set underground.
 - The irrigation design is to be developed by an approved contractor who has credited experience and capability in the design and implementation of such systems.
 - It is the responsibility of the Contractor to assess all site conditions in the design of the irrigation system and to determine the existing available water pressure and flow.
 - Appointment of the irrigation designer shall be the sole responsibility of the Superintendent.

- On appointment, the contractor is to design, document, specify then install an irrigation system that complies with the following minimum system requirements:
- The automatic irrigation of all garden beds in separate watering zones, which are regulated by the necessary number of Control Units and solenoid valves.
 - The housing of all irrigation components in weather proof valve boxes.
 - The delivery of a regular 32mm application of water per week during summer and 25mm max. per week of water during winter, to all new landscape areas.
 - Prevention of any over spray (in normal weather conditions) hitting buildings, car park surfacing/ pedestrian paving areas etc.
 - Allowance for the system to be connected to a 25mm irrigation connection point, connected to the water take-off point.
 - Provide rain sensor for irrigation system.
 - Provide backflow prevention device as required by Local Council and provide pressure reduction valves as necessary.
 - Provide and install in-line filter between the RPZ valve and the first solenoid valve.
 - The in-line filter shall be placed in such a position that upon removal of the cover and rings, water will fall away from the line.
 - Solenoid valves shall be constructed of quality engineering grade corrosion resistant PVC, rated to 1000 KPa maximum working pressure. Solenoids shall be 24V AC with an initial maximum current draw of 0.5 amps and a holding current of 0.25 amps. Solenoid valves shall be waterproof with flow control and manual bleed screw.
 - Valve boxes shall be PVC foot traffic grade with an identification "irrigation control valve" or similar on the lid, and of a size permitting ready access to all internal components, for ease of future servicing.
 - A valve box to be provided & installed at every gate valve provided, so that the top is level & finished at soil level at each valve.
 - The Control Unit shall be a secure and robust wall mountable unit suitable for remote operation of separate solenoid valves as required. Each station shall have the facility to run for up to 6 hours per day 24V AC. The unit is to be housed in a lockable waterproof cabinet, as located by Superintendent. The unit shall have a battery backup for program memory retention, a rain switch and a built in 240/24V AC transformer & facility to incorporate a soil moisture sensor shut-off switch (for 10% max. soil moisture).
 - The control cable wiring shall be as per the manufacturer's requirements. Allow unbroken run lengths from controller to solenoid valves. All wiring to be installed with suitable fully enclosed PVC conduit.
 - Drip lines shall be installed and positioned in sufficient numbers to provide even watering within the soil infiltration rate.
 - All pipe work & fitting at specified size to be placed in trenches which provide mulch cover of minimum 100 mm.
 - Trenches to be cleanly finished and free of any projections.
 - All pipe work to run under traffic lines and hard paving areas in 100 dia. UPVC conduits.
 - All items of equipment and materials shall be in new condition free from defects with minimum 12 months warranty against defects in manufacture or materials used.
 - Any defective items shall be repaired or replaced under this warranty by the Contractor.

- Commissioning, Establishment & Maintenance
- The solenoid valves are to be adjusted to provide full flow / pressure.
 - Each section shall be flushed through open line ends for a period of 10 minutes minimum then cap seal line ends.
 - The correct operation of solenoid valves shall be verified and pressure then set.
 - The system shall then be operated from the controller for a period of two (2) hours with any leaks shall be investigated and repaired.

- 19.0 ESTABLISHMENT & COMPLETION
- The Planting Establishment period shall be 12 weeks from the agreed date for the Practical Completion of Works.
 - Throughout the Planting Establishment Period, the Contractor is to continue to carrying out all recurrent works of a maintenance nature, including but not limited to, adequate manual irrigation to support growth of installed plants in accordance with Council regulation, mowing, weeding, rubbish removal, fertilising, pest and disease control, staking and tying (adjustments or replacement), plant replacement (due to failed, damaged or stolen plants), organic mulch topping up (to maintain specified depth), soil cultivation, pruning, aerating, renovating, and keeping the site neat and tidy - all to the extent required to ensure that the planted areas are in the best possible condition at the end of the Planting Establishment Period.
 - Regularly remove, by hand, rubbish and weed growth that may occur or recur throughout grass seeded, turfed, planted and mulched areas.

- Defects Liability
- Defects Liability period shall be 52 weeks from the date of issue of the Certificate of Practical Completion and apply to all landscape works and constructed items installed by the Landscape Contractor.

PROJECT: YARRABILBA SERVICE STATION

CNR YARRABILBA DRIVE & MILL STREET

QLD 4207

CLIENT: Tfa Project Group

DRAWING TITLE: LANDSCAPE SPECIFICATION

SHEET: 1/3

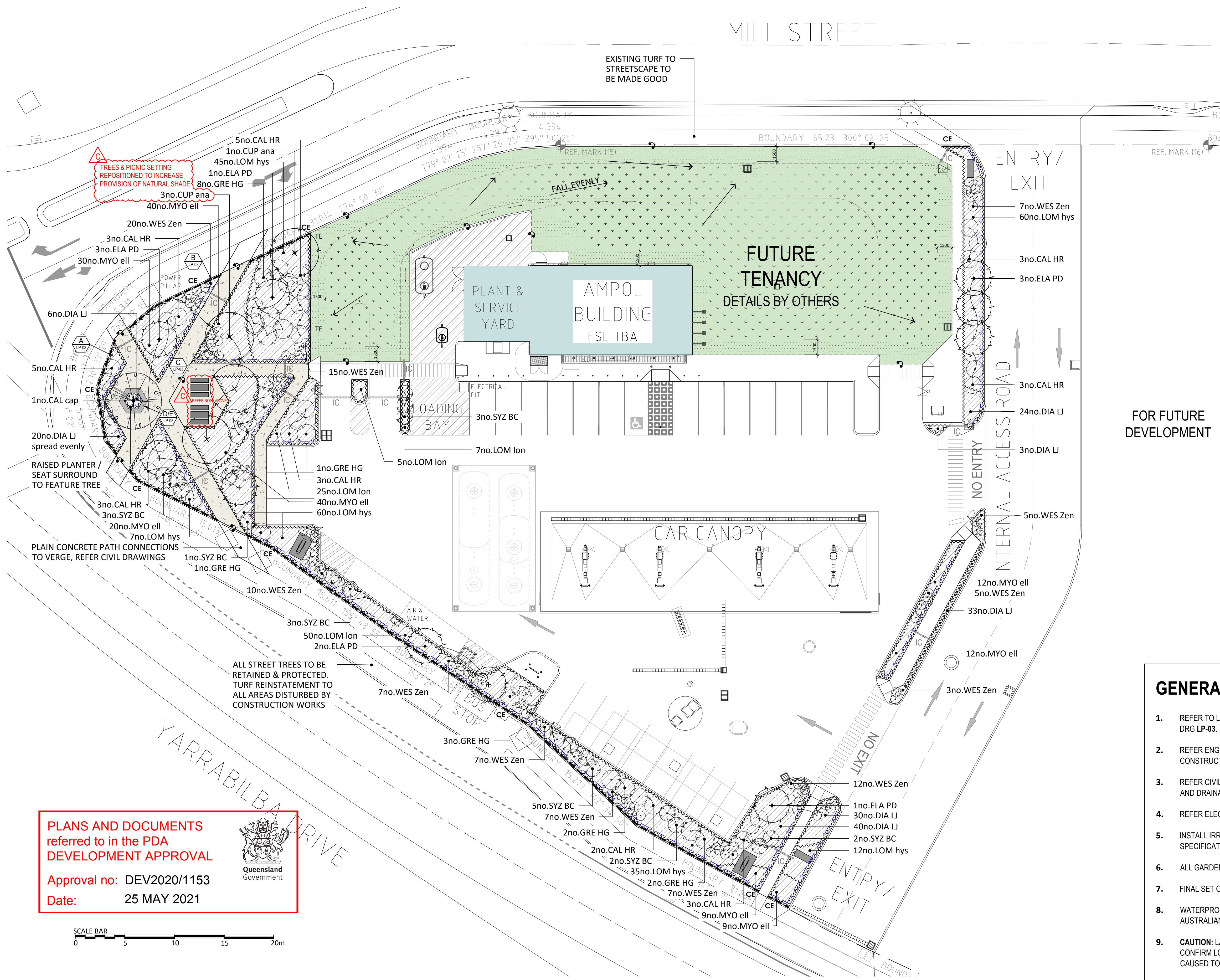
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DATE: 31/03/2021

DRAWN BY: SC

DRAWING NO: L130 LP-01

ISSUE: C



LEGEND:

- PROPOSED FEATURE TREE**
refer Landscape Specification on drg LP-01 & Details B & C and Plant Schedule on drg LP-03
- PROPOSED TREES**
refer Landscape Specification on drg LP-01 & Details B & C and Plant Schedule on drg LP-03
- PROPOSED MIDDLESTOREY SHRUBS**
refer Landscape Specification on drg LP-01 & Details A & B and Plant Schedule on drg LP-03
- UNDERSTOREY PLANTS**
planted uniformly, refer Landscape Specification on drg LP-01 and Plant Schedule on drg LP-03
- GROUND COVER PLANTS**
planted uniformly, refer Landscape Specification on drg LP-01 and Plant Schedule on drg LP-03
- GARDEN BED - CULTIVATE, TOPSOIL AND PEBBLE MULCH** refer Landscape Specification on drg LP-01 & Details A & B on drg LP-03
- NATURAL TURF**
refer Landscape Specification on drg LP-01
- HYDROSEED**
refer Landscape Specification on drg LP-01
- COLOURED CONCRETE**
refer Landscape Specification on drg LP-01 & Civil Engineer's drawings
- EXPOSED AGGREGATE COLOURED CONCRETE**
refer Landscape Specification on drg LP-01 & Civil Engineer's drawings
- CONCRETE EDGE 150 X 150mm**
refer Landscape Specification on drg LP-01
- TIMBER EDGE (temporary)**
refer Landscape Specification on drg LP-01
- SUBSURFACE DRAINAGE**
connected to nearest SW line, refer Detail B & Landscape Specification on drg LP-01
- DIRECTION OF FINISHED SURFACE FALLS**
min. 1:50 even falls over turf
- CONDUIT FOR IRRIGATION, 100mm UPVC**, indicative location, installed by Civil Contractor, refer Landscape Spec., drg LP-01
- EXTERNAL LIGHTING**
refer Electrical Engineer's drawings
- MATCH LEVELS**
refer Civil Engineer's drawings for all levels

GENERAL NOTES:

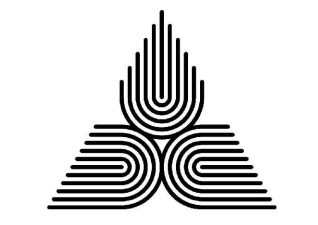
- REFER TO LANDSCAPE PLAN ON DRG LP-02, PLANTING SCHEDULE AND LANDSCAPE CONSTRUCTION DETAILS ON DRG LP-03.
- REFER ENGINEER'S DRAWINGS FOR ROAD, KERB, PEDESTRIAN FOOTPATH SETOUT, AND RAISED PLANTER CONSTRUCTION DETAILS AND SPECIFICATION.
- REFER CIVIL DRAWINGS FOR ALL SERVICE LOCATIONS, EXTERNAL FIELD INLETS, FINISHED SURFACE LEVELS AND DRAINAGE WITHIN LANDSCAPE.
- REFER ELECTRICAL ENGINEER'S DRAWINGS FOR EXTERNAL LIGHTING AND POWER SUPPLY FOR IRRIGATION.
- INSTALL IRRIGATION TO ALL GARDEN BEDS AND RAISED PLANTER. REFER PERFORMANCE IRRIGATION SPECIFICATION. REFER HYDRAULIC ENGINEER'S DRAWINGS FOR WATER TAKE-OFF PROVISION FOR IRRIGATION.
- ALL GARDEN AREAS TO FINISH A MINIMUM OF 150mm BELOW FFL.
- FINAL SET OUT FOR ALL LANDSCAPE TREATMENTS TO BE CONFIRMED ON SITE BY LANDSCAPE ARCHITECT.
- WATERPROOFING TO BE INSTALLED TO RAISED PLANTER BY ACCREDITED CONSULTANT IN ACCORDANCE WITH AUSTRALIAN STANDARDS.
- CAUTION:** LANDSCAPE CONTRACTOR RESPONSIBLE FOR ALL LANDSCAPE CONSTRUCTION WORKS, MUST CONFIRM LOCATION OF UNDERGROUND SERVICES PRIOR TO COMMENCING ANY EXCAVATION WORKS. DAMAGE CAUSED TO ANY SERVICES IS TO BE RECTIFIED BY THE RESPONSIBLE CONTRACTOR AT THEIR COST.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1153
Date: 25 MAY 2021



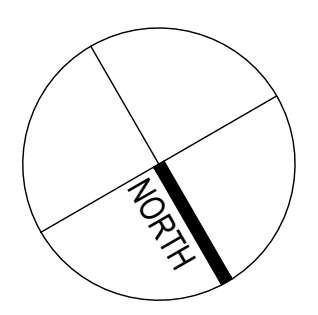
Shelly Connellan AILA Reg'd LA no.3803
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Australian Institute of
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GENERAL NOTES:

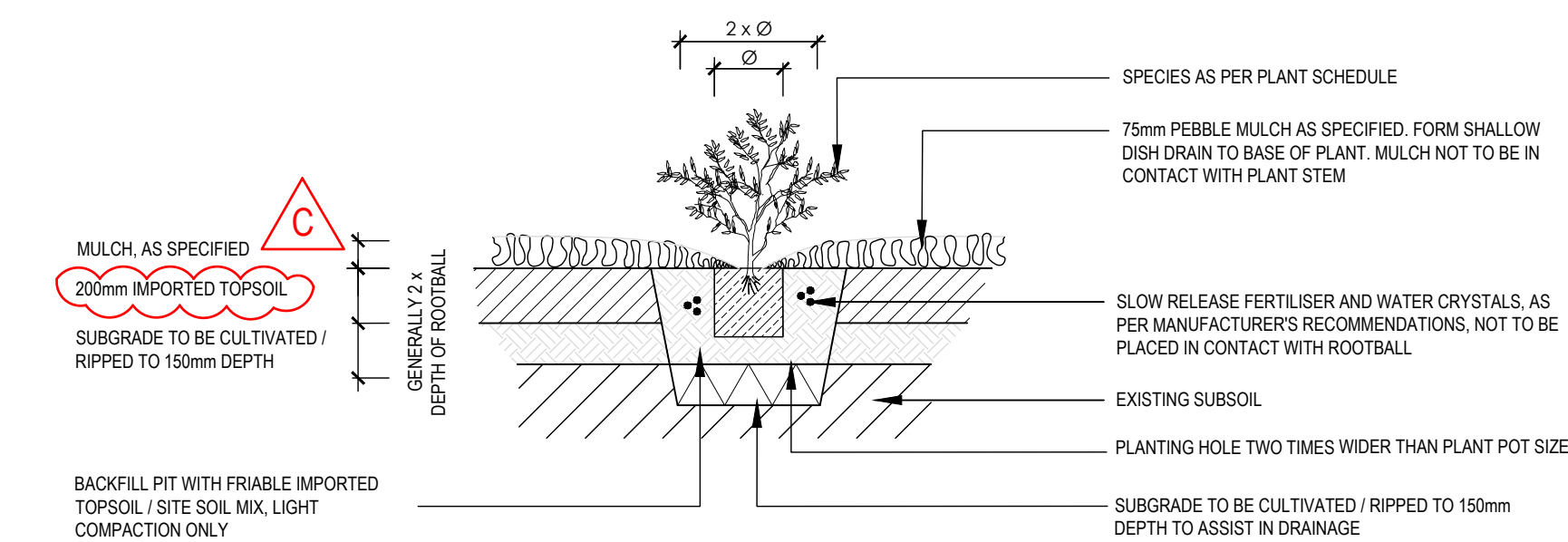
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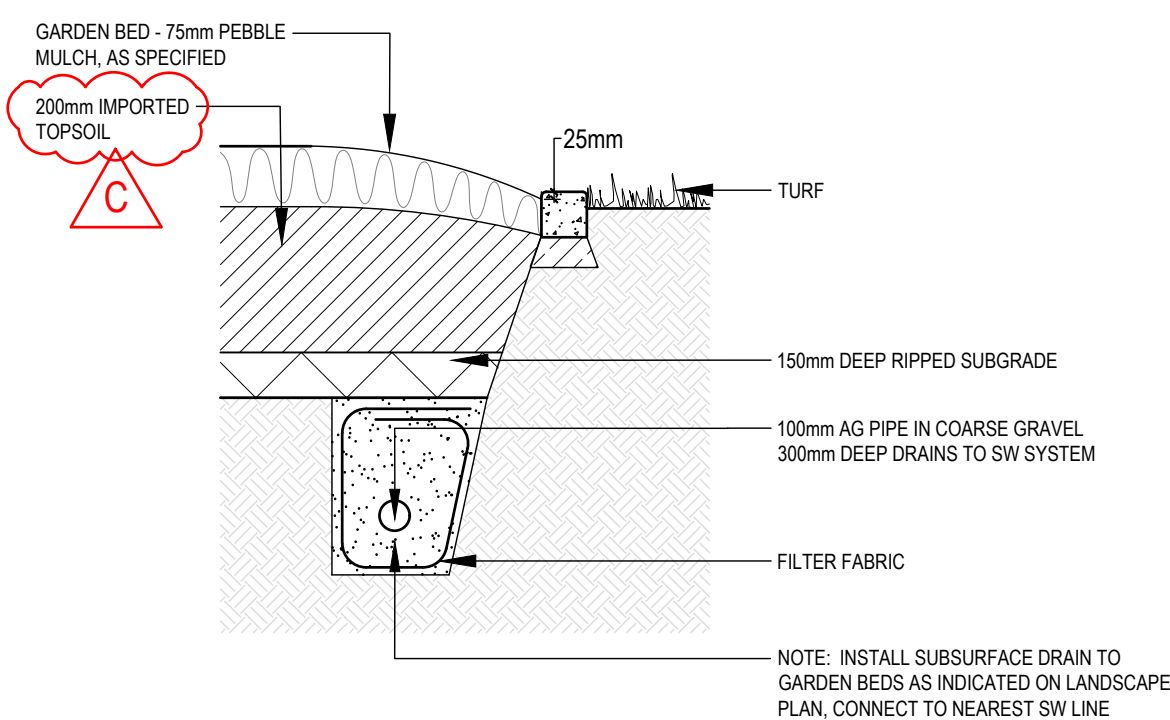
AMENDMENT ISSUE:

Issue	Date	Details	Checked
A	26/02/21	Tender Issue	SC
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C	31/03/21	ISSUED FOR CONSTRUCTION subject to EDQ approval	SC

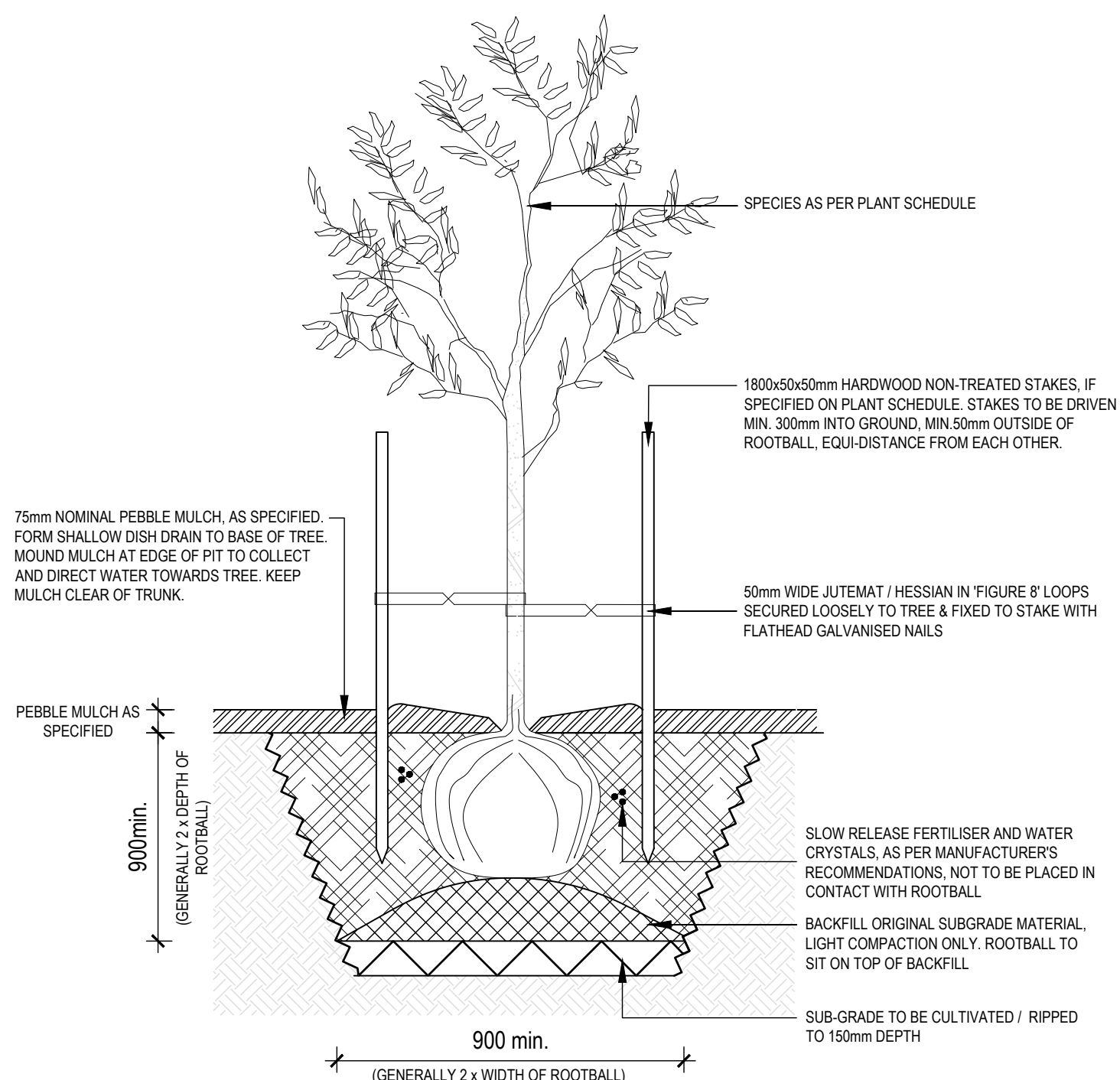
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CLIENT:	TfA Project Group	SCALE:	1:200 @ A1
DRAWING TITLE:	LANDSCAPE DETAIL PLAN	DATE:	31/03/2021
		DRAWN BY:	SC
		DRAWING NO:	L130 LP-02
		ISSUE:	c



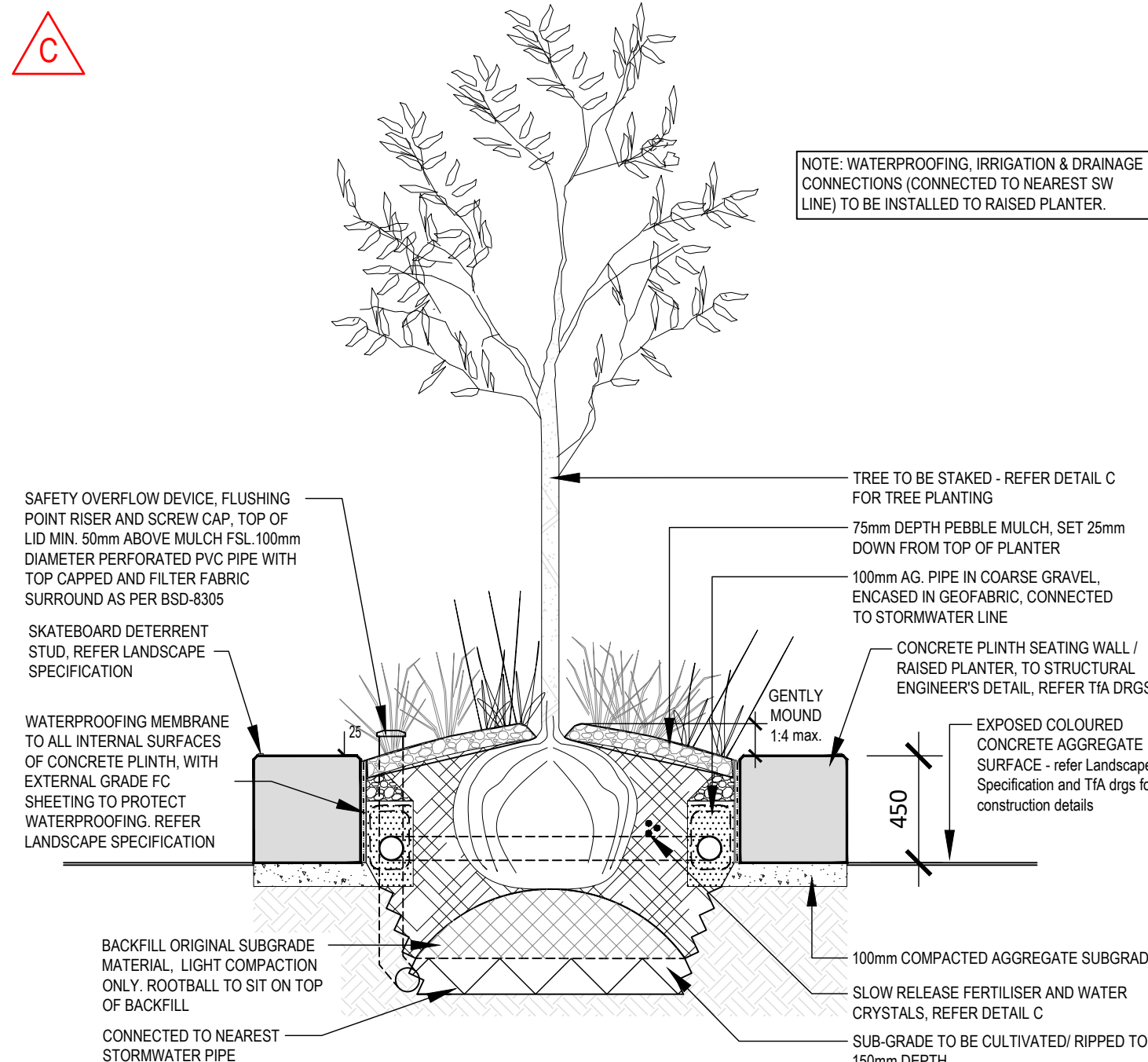
A DETAIL A: SHRUB / GROUNDCOVER PLANTING IN MULCH
LDP-02 nts



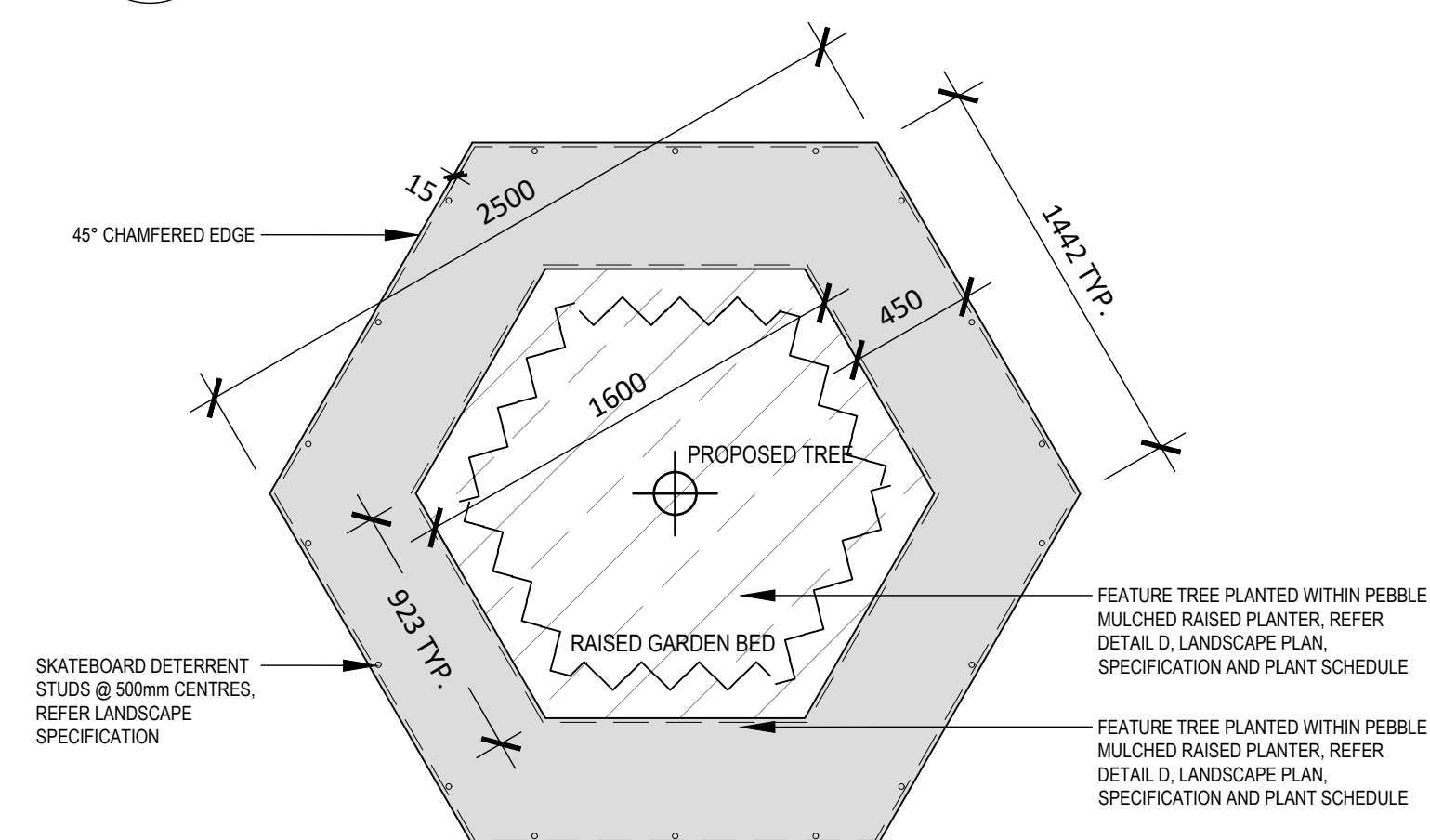
B DETAIL B: GARDEN CONSTRUCTION, SUBSURFACE DRAIN & CONCRETE GARDEN EDGE
LDP-02 nts



C DETAIL C: TREE PLANTING IN MULCHED GARDEN BED
LP-02 nts



D DETAIL D: TREE PLANTING IN RAISED PLANTER WITHIN CONCRETE PLINTH SEATING WALL
LP-02 nts



E DETAIL E - PLAN : TREE PLANTING IN RAISED PLANTER WITHIN CONCRETE PLINTH SEATING WALL
LP-02 1:25 @ A1

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1153
Date: 25 MAY 2021



TREES



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CUP ana



ELA PD

SHRUBS



CAL HR



GRE HG



SYZ BC

UNDERSTOREY & GROUNDCOVER PLANTS



WES Zen



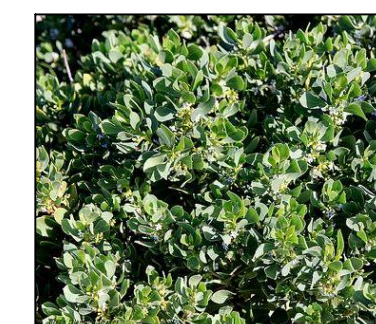
DIA LJ



LOM hys



LOM lon



MYO ell

PLANT SCHEDULE FOR YARRABILBA SERVICE STATION									
Code	Botanical Name	Common Name	Pot Size	Planting Size (mm)		Min. Caliper	Plant Spacing	Staking	Quantity
				Ht	Sp	(mm)	(mm)		
TREES									
CAL cap*	Calodendron capense*	Cape Chestnut Tree	100L	2500	1200	50	as shown	2	1
CUP ana*	Cupaniopsis anacardioides*	Tuckeroo	45L	1700	800	40	as shown	2	4
ELA PD	Elaeocarpus reticulatus 'Prima Donna'	Prima Donna Blueberry Ash	45L	1700	700	40	as shown	2	10
MIDDLESTOREY SHRUBS									
CAL HR	Callistemon 'Hannah Ray'	Red Bottlebrush	200mm	400	300	n/a	1500	n/a	30
GRE HG	Grevillea 'Honey Gem'	Grevillea Honey Gem	200mm	500	400	n/a	1500	n/a	17
SYZ BC	Syzygium 'Bush Christmas'	Lilly Pilly Bush Christmas	300mm	900	500	n/a	1500	n/a	19
UNDERSTOREY SHRUBS									
WES Zen	Westringia 'Zena'	Native Coastal Rosemary	200mm	250	250	n/a	800	n/a	105
GROUNDCOVER PLANTS									
DIA LJ	Dianella 'Little Jess'	Little Jess Flax Lily	140mm	200	200	n/a	500	n/a	156
LOM hys	Lomandra hystrix	Mat Rush	140mm	400	200	n/a	750	n/a	219
LOM lon	Lomandra longifolia	Spiny Head Mat Rush	140mm	300	300	n/a	700	n/a	87
MYO ell	Myoporum ellipticum	Coastal Boobialla	140mm	150	200	n/a	750	n/a	172
TOTAL									820

* = clear stem to 1.5m height, to underside of canopy.

GENERAL NOTES:

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- Dimensions indicated on drawing take precedence over scaling from printed drawings.

AMENDMENT ISSUE:

Issue	Date	Details	Checked
A	26/02/21	Tender Issue	SC
B	04/03/21	Amended Tender Issue	SC
C	31/03/21	ISSUED FOR CONSTRUCTION	SC
		subject to EDQ approval	

PROJECT:

YARRABILBA SERVICE STATION
CNR YARRABILBA DRIVE & MILL STREET
QLD 4207

CLIENT:

TfA Project Group

DRAWING TITLE:

LANDSCAPE DETAILS, PLANT
SCHEDULE AND IMAGES

SHEET:

3/3

SCALE:

NTS

DATE:

31/03/2021

DRAWN BY:

SC

DRAWING NO:

L130 LP-03

ISSUE:

c