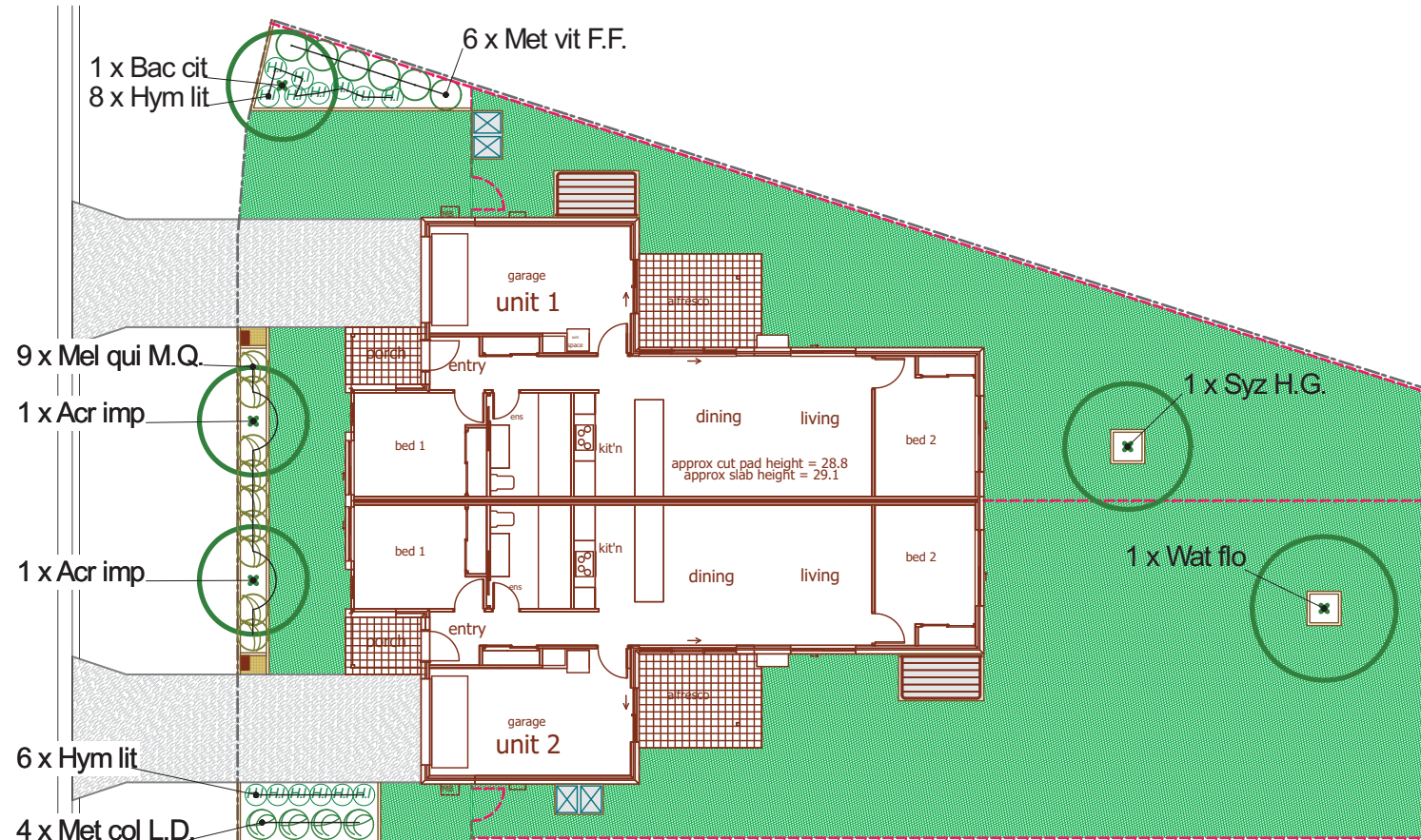




PLANTING SCHEDULE

Code	Botanical Name	Common Name	Quantity	Container Size	Staking
Trees:					
Acr imp	Acronychia imperforata	Fraser Island Apple	2	300 mm	yes
Bac cit	Backhousia citriodora	lemon ironwood	1	300 mm	yes
Syz H.G.	Syzygium 'Hinterland Gold'	a lilly pilly	1	300 mm	yes
Wat flo	Waterhousia floribunda	weeping lilly pilly	1	300 mm	yes
Shrubs:					
Mel qui M.Q.	Melaleuca quinquenervia 'Mini-Quini'	dwarf paperbark	9	200 mm	
Met col L.D.	Metrosideros collina 'Little Dugald'	a N.Z. Christmas bush	4	200 mm	
Met vit F.F.	Metrosideros vitiensis 'Fiji Fire'	a N.Z. Christmas bush	6	200 mm	
Groundcovers:					
Hym lit	Hymenocallis littoralis	spider lily	14	140 mm	

KEY

- Finished surface = turf as specified
- Washed pebble spread 75mm deep on compacted subgrade
- Driveway / car-parking area
- clothesline and bin storage
- 1.8m high timber paling fence (refer Site Plan Issue A by Sandsky Developments)

NOTES:

NOTE - UNDERGROUND SERVICES
Location and extent of underground services shown on plan is approximate only. Contractor is to establish locations of all underground services prior to commencement of works.

Construct timber garden edging as specified to all garden bed/turf interfaces, gravel/turf interfaces, garden bed/gravel interfaces and garden beds abutting property boundaries.
NOTE: Where fencing runs through grassed area, construct minimum 150mm wide mowing edge (as specified) so that fence alignment is on centreline of mowing edge.

Ensure all areas of pavement, turf and mulched garden beds are adequately drained by either: swales, spoon drains, field gullies, sub-surface drainage.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2019/1021

Date: 5 June 2019



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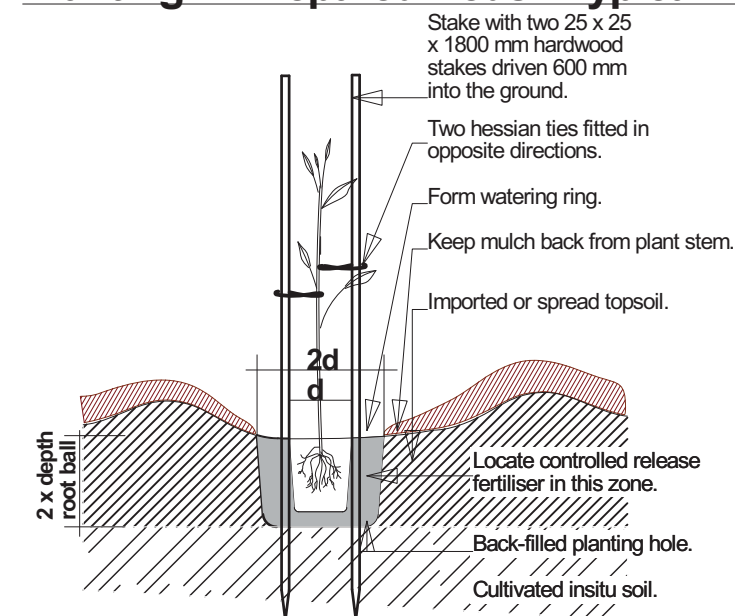
Drawing:
DETAILED LANDSCAPE PLAN - da

Project:
PROPOSED DUPLEX
Lot 117 Arcadia Circuit,
Stage 4, The Retreat, Yarrabilba

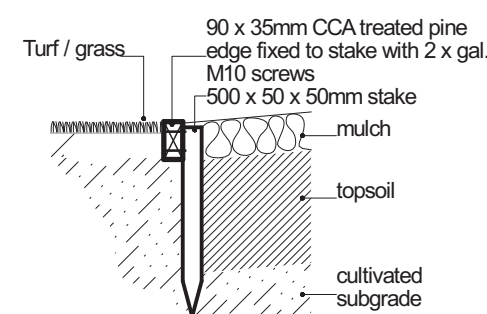
Client: Sandsky Developments
Client Address: C/- Mclynskey Planners Pty Ltd

File No. MLP3166
Sheet 1 of 2

Planting In Prepared Beds - Typical Detail



Timber Garden Edge - Detail



Scale:
1:200 metres @ A3
0 1 2 4 6 8 10

Date: MARCH 2019

Issue:

A

SCOPE - EXTERNAL WORKS

OUTLINE DESCRIPTION: Provide the labour, materials, plant and services, to carry out the operations necessary for the proper performance of the landscape works as shown on the drawings and as specified herein. All works within this section shall be carried out by an approved landscape contractor and shall include but not be limited to the following:

- > Final trimming, cultivation and incorporation of additives into subgrades.
- > Supply and installation of garden edging.
- > Preparation, supply and installation of plants and turf.
- > Supply and installation of stakes and ties.
- > 12 week plant establishment period.

AUSTRALIAN STANDARDS: Where applicable, materials and workmanship shall be in accordance with the relevant standards of the Standards Association of Australia.

WEED ERADICATION - EXTERNAL WORKS

GENERALLY: Eradicate weeds by environmentally acceptable methods as approved by the Superintendent. Continue eradication throughout the course of the works and the Planting Establishment Period.

CULTIVATION - EXTERNAL WORKS

PREPARATION: Prepare the sub-grade to receive topsoil by cultivation, and where directed treat the area to be topsoiled with herbicide. Remove existing weeds as specified in WEED ERADICATION - EXTERNAL WORKS. Herbicide types: Non-residual.

CULTIVATION: Cultivate by ripping to the depths specified below, to loosen the compacted ground. Do not disturb services or tree roots; if necessary cultivate these areas by hand. During cultivation, thoroughly mix in any materials specified to be incorporated into the sub-grade.

Deleterious material: Remove stones exceeding 50mm, and any other deleterious material brought to the surface during cultivation, including roots, sticks, weeds and the like.

- > TURFED AREAS: Excavate to 100 mm below required finished surface and cultivate along the contours to a depth of 150mm.
- > MASS PLANTED AREAS: Excavate to 200 mm below required finished surface and break up base to a further depth of 150mm.

TOPSOIL SPREADING - EXTERNAL WORKS

Prepare sub-grade as necessary to receive topsoil, including cultivation, as specifried in Cultivation.

TURFED AREAS: Spread approved topsoil to a depth of 100 mm. Levels shall be graded to provide adequate drainage.

MASS PLANTING BEDS: Spread planting mix to an even depth of 300mm over cultivated sub-grade. Cultivate planting mix into subgrade. Thoroughly water to prevent voids. Rake over lightly to attain finished profiles. The finished surface of the soil shall be at a level which allows the surface of the mulching material to finish flush with finished surface levels.

PLANTING MEDIA & MULCH - EXTERNAL WORKS

Planting media and mulch to be in accordance with: AS4454 Compost, Soil Conditioners & Mulches; and AS4419-2003 Soils For Landscaping and Garden Use.

COMPOST - EXTERNAL WORKS

DESCRIPTION: Compost shall be spent mushroom compost typical of the compost used throughout the mushroom growing industry, with a neutral pH value, or other approved material, free from harmful chemicals, grass and weed growth.

PLANTING MIX - EXTERNAL WORKS

Planting mix shall be three parts topsoil to one part compost, as specified in TOPSOIL and COMPOST, thoroughly mixed before placing.

FERTILISER - EXTERNAL WORKS

PLANTING BEDS: An approved prolonged release type having and NPK ratio of 6.3:1.8:2.8. Place around the root ball of plants at the time of planting at the rate shown below:

- For plants to 5 litre size: 20g per plant
- For plants to 10 litre size: 40g per plant
- For plants 25 - 45 litre size: 60g per plant
- For larger plants: 90g per plant or as directed by manufacturer.

MULCH - EXTERNAL WORKS

Mulch shall be free from soil, weed growth, and green material or other matter. Place mulch so that it is not in contact with the stems of plants. Mulch shall be:

LEAF LITTER MULCH: Small leaf chip mulch of tree loppings which have been passed through a brush chipping machine. The loppings used will consist predominantly of Coralypst or Tristania material and will exclude Privet, Coral Tree, Poplar, Willow, Camphor Laurel, Cocos Palm, Singapore Daisy and any other weed species.

PLANTS - EXTERNAL WORKS

GENERALLY: Plants shall be vigorous, well established, hardened off, of good form consistent with species or variety, not soft or forced, free from disease and insect pests, with large healthy root systems and no evidence of having been restricted or damaged. Trees shall have a single leading shoot.

SUBSTITUTIONS: Make no substitutions unless approved in writing. Substitutions will not be approved if the Contractor has not complied with the Specification.

REPLACEMENTS: Replace, with plants of the same specified type, quality and size, any plants which fail, are stolen or are damaged during the work under the Contract.

STORAGE: Wherever possible, plants shall be planted immediately after delivery to the site. If this is not possible, keep them in good condition by appropriate storage methods, or as may be directed. Prevent theft, drying out or damage from any cause including frost, wind, sun, vermin, animals and the like.

EXCAVATING FOR PLANTING - EXTERNAL WORKS

MASS PLANTING AREAS: Excavate a hole for each plant large enough to provide not less than 100mm all round the root system of the plant, or as shown on the Drawings.

TURF - EXTERNAL WORKS

Turf shall be A-grade Queensland Couch, and placed where indicated on the drawings.

Deliver turf to the site within 24 hours of being cut. Lay it within 36 hours of being cut, if possible. Prevent it from drying out between cutting and laying.

LAYING: Prepare the areas to be turfed as specified in TOPSOIL SPREADING. Lay the turf along the land contours with staggered, close-butted joints, and so that the finished turf surface is flush with adjacent finished surfaces of paving and the like. As soon as practicable after laying, roll the turf with a roller weighing not more than 90 kg per metre, of width.

ESTABLISH WATERING: As soon as possible after rolling, irrigate thoroughly with a fine spray to a depth of 150mm. Continue as necessary to maintain moisture to this depth and to maintain the grass in a healthy condition.

PROTECTION: Protect newly turfed areas against traffic until grass is established.

MAKING GOOD: Lift failed turf and relay with new turf.

TOPDRESSING: When the turf is established, mow closely, remove cutting and lightly top dress to a depth of 10mm with topsoil as specified in TOPSOIL SPREADING.

MOWING: When the turf is established, mow at regular intervals to maintain an average height of 50mm.

WEEDING: Remove weeds that emerge in the turfed areas, or where necessary spray with a selected weedicide for broad-leafed weeds, to manufacturer's recommendations.

PLANTING - EXTERNAL WORKS

LOCATIONS: Do not vary the plant locations from those generally as shown on the Drawings unless otherwise directed. If it appears necessary to vary the locations and spacings to avoid service lines, or to cover the area uniformly, or for similar reasons, apply to the Superintendent for directions.

PLANTING CONDITIONS: Do not plant in unsuitable weather conditions such as extreme heat, cold, wind or rain. Suspend excavation in other than sandy soils when the soil is wet, or during frost periods.

WATERING: Thoroughly water the plants before planting begins, immediately after planting, and thereafter as required to maintain growth rates free of stress.

FERTILISING: Specified in FERTILISER - EXTERNAL WORKS.

DEPTH OF PLANTING: When the plant is in its final position in its hole or bed the top soil level of the plant root ball shall be level with the finished surface of the soil surrounding the hole or bed. Test the depth by measuring the sides of containers. If backfilling is required to correct the depth, use topsoil mixture.

WATERING BASINS: Construct a watering basin around the base of each individually planted tree, consisting of a raised ring of soil capable of holding a minimum of 10 litres.

MULCH SPREADING - EXTERNAL WORKS

GENERALLY: Spread mulch to a minimum depth of 75mm and rake smooth to finish 25mm below surrounding finished levels unless otherwise specified.

STAKES - EXTERNAL WORKS

STAKES: Shall be durable hardwood, straight, free from knots or twists, and pointed at one end.

Size: 25mm x 25mm x 2500mm long.

TIES: Shall be 50mm wide hessian tie.

STAKING AND TYING: Provide stakes and ties to plants as shown on the Drawings.

Drive stakes minimum 600mm into the ground or to the depth indicated on the drawings and clear of the rootball of the plant. For single staked plants, stake on the windward side.

Fix ties in a figure of eight pattern and staple to stake at least 300mm above ground level. Fix additional ties as required to stabilise the plant.

PLANT CONTAINERS, WEEDING AND RUBBISH REMOVAL - EXTERNAL WORKS

Plant containers remain the property of the Plant Supplier and shall not be damaged during planting operations. Collect empty plant containers daily during planting operations and remove or store on site for later return to the point of plant supply, but ensure they are not able to be scattered by wind or other causes.

Regularly remove, by hand, rubbish and weed growth that may occur or recur throughout grassed, planted and mulched areas.

PLANTING ESTABLISHMENT PERIOD - 12 WEEKS

The planting establishment period shall commence from the Date of Practical Completion of the Works.

PRACTICAL COMPLETION OF PLANTING: Practical Completion of the planting works shall include but not be limited to the germination of grassed areas, establishment of turfed areas, and replacement of plants which have failed or been damaged or stolen during the work under the Contract.

PLANTING ESTABLISHMENT - EXTERNAL WORKS

RECURRENT WORKS: Throughout the establishment period continue to carry out recurrent works of a maintenance nature specified elsewhere in this Section, including but not limited to watering, mowing, weeding, fertilising, pest and disease control, reseeding, returfing, staking and tying, replanting, cultivating, pruning, hedge clipping, aerating, renovating, top dressing, keeping the site neat and tidy, and the like.

REPLACEMENTS: Continue to replace failed, damaged or stolen plants as specified in PLANTS - EXTERNAL WORKS.

MULCHED SURFACES: Maintain in a clean and tidy condition and reinstate the mulch as necessary.

STAKES AND TIES: Adjust and/or replace as required. Remove at the end of the planting establishment period if directed.

MAINTENANCE PROGRAM: Furnish a proposed planting maintenance program, and amend it as required until approved. Comply with the approved program.

MAINTENANCE LOG BOOK: Keep a log book recording when and what maintenance work has been done and what materials, including toxic materials, have been used. Make the log book available for inspection on request.

TRIM

TIMBER EDGING - EXTERNAL WORKS

CCA treated pine edge treated in accordance with AS1604:2000

Size: 90 x 35mm. Square stakes 500 x 50 x 50mm.

Set edgings flush with adjoining surfaces in locations as shown on the Drawings. Fix to pegs with galvanised nails, 2 per fixing. Drive stakes firmly into the ground at 1200mm centres on the planting side of the edging and with the top of pegs set 15mm below top of edging.

UNIT PAVER / CONCRETE EDGING - EXTERNAL WORKS

Unit paver (in colour to match finished building colours) as per Detail Sheet 2 to apply to curved garden edging as shown on plans. Top of paver to finish flush with finished surface level. Units to be butt-jointed and mortared in. Ensure exposed surface is clean of mortar.

Alternative: 150 x 150mm concrete edge with wood float finish, 20MPa to approved LCC standards.

Control joints on 5 metre centres and at apex of curves. Edges to be trowel finished to approved profile. Set on compacted subgrade.

GRAVEL FINISH - EXTERNAL WORKS

Gravel to be washed stone in colours to suit proposed building finishes. Diameter in range of 15mm - 40mm.

Gravel to be laid on 100mm compacted crusher dust base with falls away from buildings.



Town Planning & Landscape Architecture

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Drawing:
SOFT LANDSCAPE SPECIFICATION - da

Project:
PROPOSED DUPLEX

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PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL



Approval no: DEV2019/1021
Date: 5 June 2019

Date:lv Ak(6IRBn@ f00l e:

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