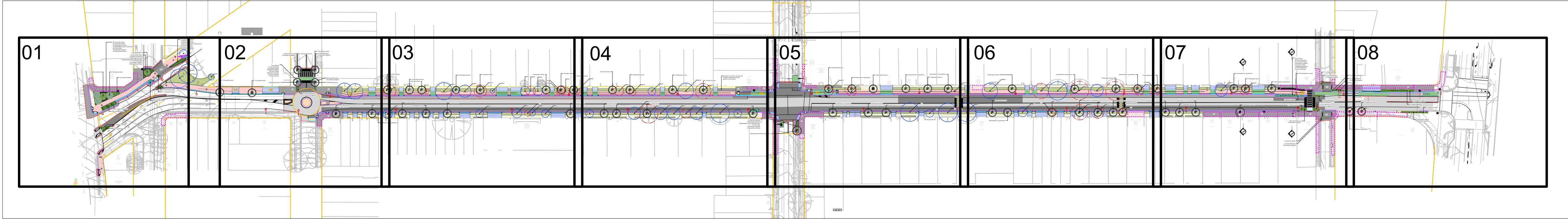


WAVERLEY STREETSCAPES - CURLEWIS STREET STREETSCAPE UPGRADE

KEY PLAN



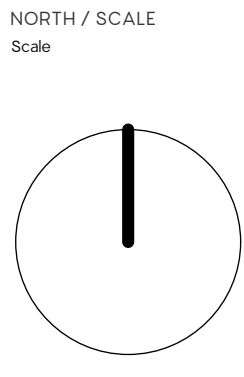
1 KEY PLAN
Scale: 1:1500

Drawing List					
Sheet No.	Sheet Name	Size	Rev. No.	Project Name	File Name
L0000	LANDSCAPE PLAN - COVER SHEET	ISO A1	F	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L0001	LANDSCAPE PLAN - NOTES 1	ISO A1	F	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L0002	NOTES 2 / EXISTING TREE REPORT	ISO A1	F	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L0003	LANDSCAPE PLAN - SCHEDULES	ISO A1	F	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L0004	LANDSCAPE PLAN - PLANT PALETTE	ISO A1	F	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1001	LANDSCAPE PLANS - 1	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1002	LANDSCAPE PLANS - 2	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1003	LANDSCAPE PLANS - 3	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1004	LANDSCAPE PLANS - 4	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1005	LANDSCAPE PLANS - 5	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1006	LANDSCAPE PLANS - 6	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1007	LANDSCAPE PLANS - 7	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L1008	LANDSCAPE PLANS - 8	ISO A1	G	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L2001	GARDEN DETAIL PLANS - 1	ISO A1	A	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L8001	DETAILS - PLANTING	ISO A1	E	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L8002	DETAILS - PLANTING RAIN GARDENS	ISO A1	E	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L8003	DETAILS - HARDSCAPE- FURNITURE	ISO A1	E	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L8004	DETAILS - HARDSCAPE-PAVING	ISO A1	E	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L8005	DETAILS - HARDSCAPE-PAVING	ISO A1	E	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L8006	DETAILS - HARDSCAPE-PAVING	ISO A1	C	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx
L5001	LANDSCAPE SECTIONS	ISO A1	D	WAVERLEY STREETSCAPESCURLEWIS STREET STREETSCAPE UPGRADE	Curlewis landscape Tender.vwx

Note: All dimensions subject to on site verification prior to execution. Figured dimensions shall be taken in preference to scaling. Drawings made to larger scales and those showing particular parts of the works shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian Standards and other codes as applicable together with other authorities' requirements and regulations. Design drawings by other disciplines have been included for coordination only. All rights reserved. COPYRIGHT © 33 Parallel Landscape Architects. May not be reproduced without permission

ISSUE	DESCRIPTION	BY	APP'D	DATE
A	75% DETAILED DESIGN		DM	09/01/2023
B	Interim Update 75% design		DM	24/03/2023
C	PreTender		DM	7/05/2023
D	Tender		DM	22/05/2023
E	Updated Tender Issue		DM	7/06/2023
F	Issued for Construction		DM	16/07/2023

NOT FOR CONSTRUCTION



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CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL
PROJECT
WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE

DRAWING TITLE LANDSCAPE PLAN – COVER SHEET				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_0000	F		

These notes are to be read in conjunction with the landscape drawings and requirements of the Curlewis Street Upgrade Landscape Specification.

SECTION 1 - GENERAL

1-01 SERVICES

The Contractor shall be responsible for investigation and location of the existing underground services and having an awareness of above ground services. The presence of services shown on the drawings does not relieve the Contractor from the responsibility to further investigate the existence of such lines and make all proper allowances for their effect on the works. Existing services are to be protected from damage and any damage is to be made good. Notify all service or supply authorities before commencing work on or in the vicinity of a service as required by the regulations of that Authority. Where an existing service is to be removed, temporarily shut down, redirected, adjusted or augmented, to suit the new works, the Contractor is to arrange for the necessary notifications, approvals, fees, and tradespeople as required by the service provider to implement the works.

1-02 ENVIRONMENTAL PROTECTION

A pre commencement site meeting is required with the project arborist. Tree protection measures must be certified by the project arborist and submitted to the project superintendent and project landscape architect. (AQF LEVEL 5 OR ABOVE). The Contractor shall protect from damage all trees and, neighbouring properties, public land, roads and kerbing, that are specified for protection or that lie outside the realm of reasonable damage from construction, or outside the boundaries of the site. Submit certification of tree protection measures by project arborist prior to demolition works

The Contractor shall demonstrate and implement measures to protect storm water inlets as applicable prior to the commencement of construction. Protective measures once approved are to remain in operation for the full duration of the contract and protect against run off from both stored materials and the construction process.

Building operations such as brick cutting, washing tools, concreting and bricklaying shall be undertaken on the construction site. The pollutants from these building operations shall be contained on site.

At all times and in particular during during windy and dry weather, unprotected areas will be stabilised/kept moist (not wet) to keep dust under control. All dust caused by the use of machinery and tools is to be controlled ensuring conformity to regulatory authority requirements.

Prior to the commencement of works on site, an Erosion and Sediment Control Plan is to be prepared. This shall be submitted for approval by the Superintendent prior to the commencement of any work.

1-03 DELAPIDATION SURVEY

Prior to the commencement of the works a dilapidation survey is to be prepared using digital photographs. The photographs are to be clearly identified as to the location of their content. The following elements are to be recorded:

- 1.) all street furniture
- 2.) all street trees and surrounds
- 3.) all garden beds
- 4.) all kerb & footpath areas
- 5.) all adjoining premises and private infrastructure adjacent the limit of works i.e. walls, gates, fences, steps, buildings, facades etc.
- 6.) all permanent marks
- 7.) all trees

1-04 TRAFFIC & PEDESTRIAN MANAGEMENT PLAN

Before any Contract Work is undertaken, a Traffic and Pedestrian Management Plans and Traffic Guidance Schemes are to be prepared by the Contractor for each Separable Portion, sub-stage and works activity.

The plan is to identify how pedestrians can safely move around and through the work area. Pedestrian access to all buildings, laneways and pedestrian crossing points is to be maintained at all times. The plan should also address the location of an alternate arrangements for the bus zones, taxi zones, disabled parking and loading zones as necessary during construction in that part of the works.

The plan will also identify how vehicular movement and safety will be maintained and identify impacts on parking.

The contractor is to include allowances for all temporary signage, ramps, fencing etc. to implement the Traffic & Pedestrian Management Plan.

All Traffic and Pedestrian Management Plans and Traffic Guidance Schemes are subject to Waverley Council approval, and where adjoining / impacting signalised intersections TfNSW approval.

1-05 PRESERVATION OF SURVEY INFRASTRUCTURE (POSI)

All work within a one metre radius of Permanent Marks shall be undertaken by hand tools. All survey works will be conducted in accordance with the Surveyors Regulation 2017, and the Surveying and Spatial Information Act, 2002. Any new Permanent Marks are intended to be built into the proposed new footpath works so that mark lids are flush with pavement level

1-06 CONSTRUCTION TOLERANCES FOR ABUTMENT OF SURFACES

All finished pavement surfaces are to finish flush with adjoining surfaces except where a step is shown. Acceptable tolerances of differential for abutment of surfaces shall be in accordance with AS1428.1 2009, Clause 7. A tolerance of + or - 3mm vertical or + or 5mm if there is a beveled edge. This includes all pit and service covers, and different pavement materials as well as any settlement following construction within the defects period. Where vertical differences are greater than 3mm the surface differential will be rectified at the contractors' expense.

SECTION 2 - DEMOLITION

2-01 GENERAL

The Demolition of existing structures is to be carried out in accordance with AS 2601.

The Contractor shall ensure the protection of adjacent properties and remaining existing structures during the process of demolition and ensure the weather tightness of remaining existing structures until the new work is completed.

Demolished materials are to be removed from the site. Any re-usable materials not to be re used in the works should be protected from damage and sold or removed to a local recycling centre. Other materials are to be disposed of in accordance with the requirements of Local Authorities. The Contractor is to ensure that the site remains safe at all times for the workers, and occupants of the site and surrounding properties or areas.

A work plan to AS2601 2001 for demolition, dismantling, site clearing and tree protection and removal is to be submitted prior to commencement of the works. The plan is to include proposed methods for the safe removal of asbestos. The work plan is to be submitted in writing and confirmed by the Principal prior to the commencement of the works.

2-02 ASBESTOS

Where materials containing asbestos are to be removed as part of demolition, they shall be removed and disposed of in accordance with the requirements of Local Authorities. Workers and people occupying the site are to be protected from inhaling asbestos dust or fibres in accordance with local Safe Work requirements. Removal of Asbestos containing materials is to be carried out in accordance with NOHSC 2002 Code of Practice for the Safe Removal of Asbestos and in accordance with Waverley Council Abestos Management Policy.

2-03 RE-USED MATERIALS

No materials from the demolition are to be re-used for the works unless specified in the contract and approved by the Superintendent. Structural materials to be reused are to be certified by a structural Engineer

2-04 SALVAGED MATERIALS

All existing bin enclosures marked on plan are to be protected and maintained,or salvaged and re-used by re-installing in their current positions. Waverley Council officer to provide instruction as to any further materials to be salvaged and set aside.

2-05 TREE REMOVAL

Only remove trees shown on demolition drawing to be removed within the nominated contract area. Allow to mulch trees to a mulch size no greater than 50mm in any direction. Grub out stumps and roots over 75mm diameter to a minimum depth of 500 mm below subgrade under buildings, embankments or paving, or 300mm below finished surface in unpaved areas.

Trees to be removed are to be removed by a qualified arborist. Care is to be taken when removing trees in the vicinity of trees to be protected to ensure no undue damage to trees to be retained or existing services. All tree parts are to be removed from site and disposed of.

SECTION 3 - GROUNDWORKS

3-01 EXTENT OF WORKS

This Section comprises the excavation, disposal of surplus excavated material, the supply and compaction of filling material and the preparation necessary to bring the areas under all finished pavement and structures to the correct shape and level prior to construction of finished pavements.

3-02 STANDARDS

Comply with the following standards unless otherwise specified:

- AS 1289 Methods of testing soils for engineering purposes
AS 3798 Guidelines on earthworks for commercial and residential developments

3-03 INSPECTION

The Contractor is to give at least one working day's notice that the following are ready for inspection:

- Set out prior to excavation.
- rock encountered in the excavations
- excavation completed to Contract levels
- base including any required filling completed to Contract levels

3-04 DEFINITIONS

ROCK:

Rock means in ground material under the Site that:

- cannot be effectively excavated using excavators with a rock bucket attachment (including tiger teeth); and
- requires excavators with ripper or hammer attachments in order to remove such material.

OTHER THAN ROCK:

All other material encountered in excavation.

SUB-GRADE:

The natural ground below the excavations, compacted and ready for slab, footings, or pavements. Does not include top soil, uncompacted fill, loose or wet material.

FILLING:

A general term for all material spread and compacted over the sub-grade to make up finished levels or levels to the underside of the base.

SUB-BASE:

Selected filling spread and compacted over the sub-grade to make up levels to the underside of the base.

BASE:

A selected filling layer spread and compacted to form an acceptable working surface directly under the a structure.

3-05 EXCAVATIONS GENERALLY

Suspend any groundworks during inclement weather that would result in unsatisfactory work. Excavations shall be accurate to shape and profile and free from loose earth and stones. Excavate generally as required or as shown on the Drawings, in material as may be found including but not necessarily limited to the following:

- over the site to give correct finished levels and falls for floor slabs and external paved or graded areas.
- to prepare sub-grades as necessary. Trim the sub-grade surface evenly to the profiles shown on the Drawings. Make allowance for settlement and compaction.
- for underground services mentioned in other Sections of the Specification.
- for pier footings, footing beams, pad footings, ducts and pits, to depths shown.

Carry out additional excavation where necessary to permit full use of suitable mechanical equipment (e.g. skid steer loader) and backfill with appropriate material as specified in this Section.

3-06 USE OF EXPLOSIVES

No explosives are to be used in the groundworks.

3-07 EXTENT OF EXCAVATION

Excavation is to be carried out to the extent required for the specified footings, slabs, and levels as noted on the drawings and as required by the specification to achieve minimum falls and bearing pressures. Refer to GROUNDWORKS : EXCAVATIONS GENERALLY.

3-08 SETTING OUT

Setting out shall be organised by the Contractor who will be responsible for the accuracy of lines, levels, and location of the finished works. Set out shall be approved by the superintendent prior to the commencement of the works. All dimensions shall be confirmed on site.

3-09 SITE CLEARING

Clear only those site areas shown on the Drawings to be cleared, or as required for the proper carrying out of the works.

Except for the area to be cleared, protect trees and other plants from damage pursuant to **GENERALLY - ENVIRONMENTAL PROTECTION** and **GROUNDWORKS PROTECTION OF TREES TO BE RETAINED**.Within the area specified or shown to be cleared:

- remove trees, logs, stumps, roots, shrubs, scrub and boulders.
- grub out roots and stumps over 75mm diameter to a minimum depth of 500mm below sub-grade under building or paved areas or below finished surface in unpaved areas. Fill grub holes and other voids with suitable spoil and compact in 150 - 200mm layers to finish at levels shown on the Drawings;
- remove rubble remaining from excavations;
- break up and remove slabs, foundations and pavings found on the surface, or within 200mm of the base of finished surface in areas to be landscaped as specified in EXTERNAL WORKS;3-01

3-10 PROTECTION OF TREES TO BE RETAINED

To ensure development does not impact on the health of a tree on the site or adjoining properties or street trees in accordance with Australian Standard AS 4970 2009 - Protection of Trees on Development Sites.

Trees to be retained are those shown on the site plan.

Trees to be retained are to be clearly marked and approved by the Superintendent prior to commencement of works. Should any tree be damaged during the work under the contract the Contractor is to notify the Superintendent. The Contractor shall arrange for any repair work to be carried out by a qualified arborist at no extra cost, but only as directed by the Superintendent. Repair work may include full replacement of damaged trees if the damage precludes repair. Refer to additional requirements in the Curlewis Street Upgrade Landscape Specification.

3-11 GROUNDWORKS NEAR TREES

No work should commence within the tree protection zone unless supervised by the project arborist and conforming to AS4970-2009.

Do not remove topsoil from within the drip line of trees to be retained unless otherwise specified. If it is necessary to excavate within the drip line, use hand methods such that root systems are preserved intact and undamaged. Open up excavations under tree canopies for as short a period as possible. Do not place spoil from excavations against tree trunks, even for short periods.

Any cutting of roots exceeding 50mm diameter to be undertaken under supervision of the project arborist. Where it is necessary to cut tree roots, use a chain saw or similar means such that the cutting does not unduly disturb or rock the remaining root system. Immediately after cutting, apply an approved fungicidal sealant to the cut surface. Do not stockpile materials within the drip line of trees to be retained.

It is the arborist's responsibility to determine if such root pruning is suitable. If there are any concerns regarding this process, then Waverley Council's Tree Management Officer is to be contacted to make final determination.

Any pruning required to trees above ground shall be carried out with the approval of Waverley Council's Tree Management Officer.

3-12 EXISTING SERVICES

Pursuant to **GENERALLY : EXISTING SERVICES** if services or obstructions not shown on the Drawings or the Services Survey are discovered prior to and during the work under the Contract, notify the Superintendent immediately. Do not excavate by machine within 1m of existing underground services without prior approval.

3-13 DEWATERING

Maintain excavations, levelled and filled areas free of water by temporary catch drains, sumps, pumping, bailing or whatever means are suitable and effective. Immediately before placing concrete or masonry on ground remove all free water and foreign matter. Prevent any water flow over freshly laid work.

3-14 SHORING

Provide all shoring, planking and strutting necessary to retain the sides of the excavations, and to ensure safe working. Provide safety covers over holes. Provide any necessary needling, shoring and strutting to adjacent structures. If in the opinion of the Superintendent any support provided is insufficient he may order the provision of additional support.

No instruction shall relieve the Contractor of sole responsibility for the sufficient support of the excavation. Guard against the formation of voids outside sheeting or sheet piling if used, and should any voids form, fill and consolidate them to approval.

Remove shoring and timbering progressively as the work proceeds unless otherwise instructed.

3-15 EROSION CONTROL

Pursuant to **GENERALLY : ENVIRONMENTAL PROTECTION** a Sediment and Erosion Control Plan shall be prepared by the Contractor and submitted to the Superintendent for approval prior to the commencement of works

3-16 GRADING

Grade external areas to achieve falls as specified or to evenly grade between specified levels.

3-17 DISPOSAL OF SPOIL

Spoil not reusable as mulch or fill from clearing and excavation is to be removed from the site and disposed of in accordance with the requirements of local authorities.

3-18 FILLING

Bring all filling on to the site unless it can be provided from spoil recovered from the site. Filling shall be sound material, free of perishable material or any material that will not form stable fill.

Filling shall be of the following types:
APPROVED EXCAVATED MATERIAL: The best of the clean inorganic excavated material, approved by the Superintendent.
POROUS FILLING: Blue metal graded from 40mm to 15mm.

3-19 COMPACTION

Place filling in layers not exceeding 150mm deep when measured loose. Bring filling to optimum water content by watering, and compact each layer thoroughly and uniformly with a vibrating roller where practicable. Hand tamp against ground or perimeter beams or walls. Compact each layer of filling to obtain a uniform density of not less than 98% of the maximum density at optimum moisture content as determined by the Dry Density/Moisture Content tests set out in AS 1289 Part E, or by proof rolling.

3-20 SERVICES EXCAVATIONS

Excavate to the lines, levels and grades are required for drainage, water, gas, NBN, electrical and other underground services specified in the relevant Sections. Trench widths shall be the minimum consistent with laying and bedding of pipes. Increase trench widths where necessary to permit the construction of manholes and pits. Trench depths shall be to the underside of pipe or bedding if any. Take out joint holes as required to accommodate pipe sockets and to relieve them of any load when the pipes are bedded and the trenches backfilled. Excavate trenches truly straight and with uniform grades unless otherwise directed. Trench sides shall be as near vertical as possible. Leave a clear space of at least 300mm between the excavation and the spoil to prevent spoil running back into trenches. Do not excavate trenches until sufficient pipes, conduits, cables, and the like, are on site ready for laying for the full lengths of trench between manholes, and do not open a length of trench in advance of the laying greater than can be laid in one working day. Do not lay pipes, conduits, cables, and the likes, until trenches have been inspected and accepted by the Superintendent for such purposes. Cut back roots encountered in trenches to not less than 600mm clear of the pipe, conduit, cable, etc. Remove such other roots, stumps or obstructions which may, in the opinion of the Superintendent, interfere with the proper functioning of the service.

3-21 BACKFILLING SERVICE EXCAVATIONS

Backfill trenches as soon as possible after the relevant service line has been laid, tested and approved by the Superintendent. Where cement mortar bedding has been used it shall attain an approved minimum strength before commencement of backfilling. Prevent pipelines floating before backfilling is completed. Where the trench bottom will provide adequate support for pipes and is free of hard sharp objects firm the trench to grade; otherwise provide a bedding of sand or approved excavated rock-free granular material unless otherwise specified.

To all sewer drainage and to UPVC pipes where specified, provide minimum 50mm thick 4:1 sand :cement mortar bedding to support the underside of pipe over 1/3 its circumference.

Generally provide initial fill of approved excavated material free from stones retained on a 25mm sieve. For UPVC pipes, provide approved excavated material free from stones retained on a 13.2mm sieve. Fill to cast iron pipes shall be free of cinders, ashes, garbage or highly organic material. Consolidate the fill so that the pipe is buttressed by the walls of the trench. Fill the trench initially to a depth of 150mm above top of pipes generally and 300mm above top of pipes on mortar bedding, and consolidate by hand without disturbing or damaging pipes or joints. Except for topsoil backfill as specified in GROUNDWORKS : PLACING TOPSOIL backfill remainder of trench with approved excavated material and compact as specified in COMPACTION: GROUNDWORKS.

<p>Note: All dimensions subject to on site verification prior to execution. Figured dimensions shall be taken in preference to scaling. Drawings made to larger scales and those showing particular parts of the works shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian Standards and other codes as applicable together with other authorities' requirements and regulations. Design drawings by other disciplines have been included for coordination only. All rights reserved. COPYRIGHT © 33 Parallel Landscape Architects. May not be reproduced without permission</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NOT FOR CONSTRUCTION

3-22 BEARING SURFACES IN ROCK

Where structural loads bear on rock, unless otherwise specified scabble the rock face to give even plane bearing surfaces, level unless required to be sloping or stepped.
Step to brick courses if supporting brickwork. Fill faults or fissures with 1:2:5 concrete.
Bored pier holes shall be taken a minimum of 150mm below the rock surface and the bottoms cleaned of all loose matter.

3-23 SITE REINSTATEMENT

Unless otherwise specified, reinstate the developed and undeveloped ground surfaces of the site to the condition existing at the commencement of the work under the Contract.

SECTION 4 - CONCRETE

4-01 For all concrete works refer to engineers notes, drawings and specifications.

4-02 TACTILE GROUND SURFACE INDICATORS
Warning Tactile Ground Surface Indicators (TGSIs) shall be installed where shown on the drawings.
Warning TGSIs shall be 316 marine grade stainless steel concentric ring, stud with yellow carborundum infills and with at least R13 slip resistance (in accord with AS 4586:2004). They shall be installed in accordance with the manufacturers instructions. TGSIs are required to extend from a point 300 mm from the face of the kerb to the building line, clear of shop entries or the like.

SECTION 5 - PAVING

5-01 STANDARDS: PAVING

The works shall comply with the following standards unless otherwise specified:

AS 1672 Limes and limestone
AS 2699 Built-in components for masonry construction
AS 2701 Methods of sampling and testing mortar for masonry constructions AS 3700 Masonry structures
AS 3972 Portland and blended cements

5-02 PAVERS & MATERIAL SAMPLES

Submit samples , two of each type of paver to be used for approval by Superintendent.

5-03 SAMPLE

? Prepare 2 linial metres of pavers for approval by Superintendent

5-04 MORTARS GENERALLY

Mortars shall comply with AS 3700.
Use mortar within 90 minutes of the initial adding of water.
Mortar materials shall comply generally with AS 2701. Sand shall comply with the specification of fine aggregate in AS 2701. Do not use plasticisers, retarders, and bush sand or sand with a high clay or loam content.
Sand for facework shall be from an approved source, selected for colour and grading. Only use washed sand with a low salt content.
Cement and lime shall be delivered to the site in branded sealed bags and stored under cover clear of the ground.
Use admixtures only if specified, and then in accordance with the manufacturer's recommendations. Do not use pre-mixed mortars.
Water shall be free from matter harmful to mortar and to items embedded in it or in contact with it. Mix mortar to an even colour and consistency.

5-05 MORTAR TYPES

Mortar ratio for all pavers shall be cement : lime : sand 1 : ¼ : 3. Cement used shall be off white.
Sand used shall be white brick sand.

5-06 WORKMANSHIP GENERALLY

Store pavers clear of ground and protect from moisture, staining and damage.
Minimise cutting of pavers. Where cutting is required it shall be carried out using a diamond saw.
Keep mortar stains to a minimum and protect horizontal ledges, finished sills and the like from mortar droppings as work proceeds.
Pavers are to be cleaned progressively throughout the project and is to be thoroughly cleaned upon completion.
Protect pavers from rain, frost, and hot drying winds for at least 24 hours after laying.
Protect pavers during the course of the work under the Contract from disfigurement by timber and rust stains, weld spatter, oils, concrete, plaster and paint splashes, mechanical damage, and the like. If any such stains do occur, attend to them as soon as possible to prevent deep penetration into the pavers.
Provide temporary protective covers where necessary, including covers to vulnerable arrises, sills, thresholds and the like.

5-07 SETTING OUT

Set out paving accurately in accordance with drawings. Courses are to be laid horizontally level and vertical joints are to be uniform.

Pavers must be laid with a 3mm gap +/- 1mm between each paver. Pavers are to be set out to minimise cutting of bricks.
The joint between each paver must be filled with clean, washed sand.

5-08 JOINTING

Lay bricks on a full bed of mortar 25mm (Min.) thick.
Point up joints around flashings & penetrations. Finish joints in facework as follows:
- to match existing kerb, gutter & paving

5-09 FACEWORK

Distribute pavers embodying the approved colour range evenly throughout the work. Avoid 'banding' and colour concentrations.

5-10 BUILDING IN

Make provision as the work proceeds for building into their correct positions and alignments, plates, bolts, anchors, fixings and the like.

Ferrous metals built in or in contact with brickwork shall be hot-dipped galvanised unless otherwise specified.

5-11 SERVICES

Whenever practicable provide holes, sleeves and chases for services during laying pavers to avoid cutting away and making good.

5-12 CLEANING

Remove mortar droppings from pavers and clean down facework and exposed brickwork generally to remove discolouration, mortar splashes, and stains.
Protect adjacent surfaces during cleaning by suitable means, which may include temporary coatings or coverings. Where practicable keep adjacent surfaces wet to minimize risk of accidental etching by acid. Rectify any damage or replace the damaged items.

5-13 CLEANING GENERALLY

Wet pavers immediately before applying cleaning agent and keep wet during cleaning to reduce absorption. Work from the top down and mop off surplus water with a clean sponge unless otherwise specified.
Consult paver manufacturer before attempting to remove stains not specified below and obtain approval for the method proposed.
Identify the stain or stains and adopt appropriate procedure from the following:

MORTAR STAINS: Dry clean pavers to remove excess mortar, then thoroughly wet and clean off loose dirt and mortar particles.
Unless otherwise specified use a solution of 1 part hydrochloric acid to 20 parts water, which may be increased if necessary up to a maximum of 1 part acid to 10 parts water.
Apply the appropriate solution to well wetted pavers with a two-knot fibre brush, and scrub with a bristle brush. Wash down thoroughly.

EFFLORESCENCE: (Powdery deposit usually white, may be yellow, green or brown). Dry brush and then wet brush and hose down.
For timber, iron, magnesium and vandium stains, approved chemical solutions specified for the task may be used.

SECTION 6 - FURNITURE & OTHER MISCELLANEOUS ITEMS

6--01 FURNITURE GENERALLY

Street furniture shall be retained in situ where practical for the duration of the works. All furniture shall be repaired, painted or upgraded in accordance with the design drawings and this specification at the completion of the installation of new footpath and kerb works.
If any furniture is deemed to be in such poor condition as to not be able to be repaired, this shall be verified by the Superintendent who shall consider replacement.

6--02 SEATS

Where seats require repair they are to be repaired with materials matching the original in size and quality.
At a minimum all seats are to be cleaned and painted. Seats shall be painted to match the existing using an approved proprietary paint system.

6--03 INSPECTION PIT LIDS

Where inspection pit lids are in good condition they should remain in situ and be built into the new works.
Any adjustments to inspection pit lids are to be carried out only at the direction of the Superintendent.
All pit lids other than steel shall be replaced with steel lids in accordance with the lid detail in the design drawings.

6--04 RUBBISH BINS

Where rubbish bins require repair they are to be repaired with materials matching the original in size and quality.
At a minimum all rubbish bins are to be cleaned. Bins shall be re-installed in the same location and orientation following completion of pavement works.

6--05 GARDEN BEDS

Existing garden beds are to be repaired as required with materials equal to and matching the original in accordance with the design drawings or at the direction of the Superintendent.

6--06 TREES

During the works care shall be taken to protect street trees and other adjacent trees from construction damage. If damage occurs this may require replacement of the tree at the full expense of the Contractor.

Existing Tree Report				
ID	Average Spread	Action	Notes	
E1	12000	Retain	Casuarina glauca	
E2	12000	Retain	Casuarina glauca	
E3	4000	Retain	Cupaniopsis anarcardioides	
E4	10000	Retain	Banksia integrifolia	
E5	10000	Retain	Banksia integrifolia	
E10	8000	Remove	Banksia integrifolia	
E12	3000	Remove	Lagerstromeia indica	
E15	11000	Retain	Banksia integrifolia	
E18	8000	Retain	Banksia integrifolia	
E19	8000	Remove	Banksia integrifolia	
E20	3000	Retain	Banksia integrifolia	
E21	6000	Retain	Banksia integrifolia	
E22	6000	Remove	Banksia integrifolia	
E23	6000	Retain	Banksia integrifolia	
E26	2000	Remove	Callistemon viminalis	
E27	6000	Remove	Ficus benjamina	
E28	5000	Remove	Banksia integrifolia	
E29	4000	Remove	Callistemon viminalis	
E31	6000	Remove	Banksia integrifolia	
E33	4000	Remove	Banksia integrifolia	
E35	5000	Retain	Banksia integrifolia	
E38	10000	Retain	Banksia integrifolia	
E39	10000	Remove	Banksia integrifolia	
E40	6000	Remove	Banksia integrifolia	
E41	6000	Remove	Banksia integrifolia	
E42	1000	Remove	Banksia integrifolia	
E43	10000	Retain	Banksia integrifolia	
E44	10000	Remove	Banksia integrifolia	
E45	12000	Retain	Banksia integrifolia	
E46	12000	Remove	Banksia integrifolia	
E47	8000	Retain	Banksia integrifolia	
E48	12000	Remove	Banksia integrifolia	
E49	6000	Remove	Banksia integrifolia	
E50	6000	Remove	Banksia integrifolia	
E51	8000	Retain	Banksia integrifolia	
E52	6000	Remove	Banksia integrifolia	
E53a	3000	Remove	Banksia integrifolia	
E54	4000	Remove	Banksia integrifolia (already removed)	
E55	4000	Remove	Banksia integrifolia (already removed)	
E57	6000	Retain	Syzygium paniculatum	
E60	5000	Retain	Banksia integrifolia	
E61	6000	Retain	Banksia integrifolia	
E62	4000	Remove	Banksia integrifolia	
E63	4000	Retain	Banksia integrifolia	
E64	5000	Retain	Banksia integrifolia	
E66	8000	Retain	Banksia integrifolia	
E67	12000	Remove	Dead. Already removed.	
E68	8000	Retain	Banksia integrifolia	
E69	8000	Retain	Banksia integrifolia	
E71	6000	Remove	Dead. Already removed,	
E72	8000	Retain	Banksia integrifolia	
E74	12000	Retain	Banksia integrifolia	
E77	12000	Retain	Banksia integrifolia	
E78	5000	Retain	Banksia integrifolia	
E79	12000	Retain	Banksia integrifolia	
E80	12000	Retain	Banksia integrifolia	
E81	6000	Retain	Banksia integrifolia	
E82	5000	Remove	Lagunaria patersonia	
E83	10000	Remove	Banksia integrifolia	
E84	8000	Remove	Banksia integrifolia	

Note: All dimensions subject to on site verification prior to execution. Figured dimensions shall be taken in preference to scaling. Drawings made to larger scales and those showing particular parts of the works shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian Standards and other codes as applicable together with other authorities' requirements and regulations. Design drawings by other disciplines have been included for coordination only. All rights reserved. COPYRIGHT © 33 Parallel Landscape Architects. May not be reproduced without permission	ISSUE	DESCRIPTION	BY	APP'D	DATE	<div>NORTH / SCALE Scale N/A</div> <div></div>	<div>PROJECT TEAM</div> <div></div>	<div>LANDSCAPE ARCHITECT / URBAN DESIGNERS</div> <div></div> <div></div>	<div>CLIENT NAME</div> <div>NORTHROP FOR WAVERLEY COUNCIL</div>	<div>DRAWING TITLE</div> <div>NOTES 2 / EXISTING TREE REPORT</div>
	A	75% DETAILED DESIGN	DM		09/01/2023					
	B	Interim update 75% design	DM		24/03/2023					
	C	Pre Tender	DM		7/05/2023					
	D	Tender	DM		22/05/2023					
	E	Updated Tender Issue	DM		7/06/2023					
	F	Issue for Construction	DM		16/07/2023					
NOT FOR CONSTRUCTION										

<div>PROJECT</div> <div>WAVERLEY STREETSCAPES</div> <div>CURLEWIS STREET STREETSCAPE</div> <div>UPGRADE</div>					<div>CREATED</div> <div>16/07/2023</div>	<div>DATE</div> <div>16/07/2023</div>	<div>CHECKED</div> <div>DM</div>	<div>PROJECT STAGE</div> <div>IFC</div>	<div>SHEET SIZE</div> <div>ISO A1</div>
<div>PROJECT NUMBER</div> <div>2050</div>	<div>DRAWING NUMBER</div> <div>L_0002</div>			<div>ISSUE</div> <div>F</div>					

Curlewis Street - LANDSCAPE MATERIAL SCHEDULES Note: Quantities are shown for information. Contractor to confirm own measurements							
Item No.	Code	Item	Description	Supplier (or nominated equivalent)	Dwg. Ref. No.	Unit	Qty
1		Paving					
1.1	P3	Unit paving - pedestrian footpaths	600x300x40 (Pedestrian zones) 600x300x70 (Vehicle crossovers) Urbanstone (Austral Masonry Pty Ltd) Product Code: BDI634MI Paving Pattern: Stretcher Bond, perpendicular to path of travel. Sealant : silane-siloxane penetrating sealer.	Urbanstone (Austral Masonry Pty Ltd) 02 9757 4644	L_1001 L_1002 L_1004 L_1005 L_1007 L_8004	M²	TBA
1.2	P3a	Unit paving - vehicular at continuous footpath treatments	300x200x70 Urbanstone (Austral Masonry Pty Ltd) Product Code: BDI334MI Paving Pattern: Herringbone. Sealant : silane-siloxane penetrating sealer.	Urbanstone (Austral Masonry Pty Ltd) 02 9757 4644	L_1007 L_8004	M²	TBA
2		Seating					
2.1		Town and Park 'City Seat'	Street Seat Type B: Sub-surface Mount — SPTP.SSE.T5.SS.400.2000.PC Street Seat Type B (sub-surface) shall be used on segmented paving in areas with a slope greater than 2%, ensuring they are installed plumb. All fixing bolts are to be stainless steel 316 Marine grade. Marine grade aluminium frame and post leg powdercoated with Dulux N43 'Pipeline Grey'. Seasoned Australian hardwood timber slats complying with one or all of the following: — Australian Forest Certification Scheme (AFS); — Forest Stewardship Council (FSC),or — Program for the Endorsement of Forest Certification (PEFC). Coat with a commercial grade outdoor furniture oil which will not change the colour of the timber, and which is UV stable. Product equivalent to Dulux – Intergrain Nature's Timber Oil. Apply as per manufacturers recommendation.	Tom Stoddart Pty Ltd (Town and Park) Ph: 1300 782 101	L_1001 L_1004 L_1005 L_1007 L_8005	Item	8 (eight)
2.2		Bespoke Concrete Bench	Refer details on sheet L_8003	N/A. by contractor	L_1007 L_8003	Item	8 segments (eight)
3		Bicycle Racks					
3.1		O-Ring Pole Mounted Bike Rail — CY-PMRF	Standard Bicycle Rack Type B: Sub-surface Mount. — CY-STHO-BG 316SS. Stainless Steel Marine Grade 316. Electro polished 600 grit MIN. All bolts and fixings to be 316 Marine Grade Stainless Steel. All Standard Bicycle Racks are to be installed in accordance with AS2890.3: 2015 Bicycle Parking.	Clviq (Agwilly Pty Ltd) 02 9737 0022	L_1001 L_1004 L_1005 L_1007 L_1008 L_8005	Item	8 (Eight)
4		Bin Enclosure					
4.1		240L Bin Enclosure	Bin Enclosure Type A - Coastal: 316 Marine Grade Stainless Steel custom perforated panels to match Waverley Council bin theme. Single: 856/1F/1R/SS/WAV	E.P Draffin Manufacturing Pty Ltd 03 9720 1033	L_1001 L_1004 L_1006 L_1007 L_1008 L_8005	Item	5 (Five)
5		Tactile ground surface indicators					
5.1		TGSI 'WARNING' Tactile (Buttons)	Warning Tactile - 316 Stainless Steel 35mm diam.- TGSIs to be installed according to the suppliers instructions to minimise the likelihood of failure. Refer to and install TGSIs in accordance with Australian Standard 1428.4.1. TGSIs are to meet AS1428.4.1 and include a slip resistant surface.	Walmay Architectural products (Product Code: NSSS10)	L_1007 L_1008 L_8004	Item	Refer landscape plans
6		Tree Grates					
6.1		1500x1500mm Square tree grate in 6mm 316 marine grade stainless steel with frame	Tree opening min. 450mm with removeable sections up to min 670mm diameter. Engineered weight limit of 2 tonnes. Hinged halves for maintenance access. All parts to be 316 marine grade SS. Install as per manufacturers recommendation.	As available from Strabe or approved equivalent	L_1001 L_1002 L_1007 L_8004	Item	3 (Three)
7		Turf					
7.1		Bufallo Turf - Variety "Palmetto"	Turf shall be "Palmetto" Soft Leaf Buffalo with an even thickness of 25mm. Obtain turf from an approved grower of cultivated turf. Furnish warranty from the grower that the turf is free of weeds and other foreign matter. Lay turf within 36 hours of being cut and prevent it from drying out between cutting and laying.	Contractor to nominate supplier	L_1001 L_1002 L_1003 L_1004 L_1005 L_1006 L_1007 L_1008 L_8001	M²	Refer landscape plans
8		Rain Gardens					
8.1		Vegetated Rain Gardens	Vegetated Garden Bed with castellated kerb and flush kerb surround. Garden surface set down from top of kerb. Refer detail. Refer Plant Schedule for species types. Refer detail sheet 8002	N/A. by contractor	L_1001 L_1002 L_1005 L_1007 L_8002	M²	Refer landscape plans
9		Normal Garden Beds					
9.1		Vegetated Garden Bed	Vegetated Garden Bed flush with kerb and gutter and flush kerb surround. Garden level with top of kerb. Refer detail. Refer Plant Schedule for species types, Refer detail sheet 8001	N/A. by contractor	L_1001 L_1002 L_1005 L_1007 L_1008 L_8003	M2	Refer landscape plans
10		Tree Planting in Kerbside connected to adjacent property drainage					
10.1		In Turf Verge	Refer detail sheet 8001		L_1002 L_1003 L_1004 L_1005 L_1006 L_1007 L_8002	Item	Refer landscape plans
10.2		In Paving	Refer detail sheet 8001		L_1001 L_1002 L_1007 L_1008 L_8002	Item	Refer landscape plans
11		Porous Resin Aggregate					
11.1		Tree surround where tree is in surrounding pavement	30mm depth of 6mm Porous Resin Aggregate Paving. For established trees remove enough to allow for 30mm StoneSet layer above. Level with capping layer and compact if required.	"StoneSet"or approved equivalent	L_1008		Refer landscape plans

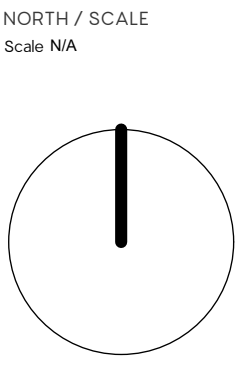
TOPSOIL SCHEDULE			
Location	Type	Composition	Depth
Planting areas	Type "A"	• 36% coarse sand • 24% blacksoil • 10% mushroom compost • 10% pine bark fines • 10% composted sawdust • 10% composted manure Equql to Benedict's Smartmix #6 Native Garden Soil Mix or approved equivalent	Top (upper) 300mm
Planting areas	Type "B"	• 70-80% Medium Grade Clean Sand • 10-20% Sandy Loam Recycled from site • Organics (as above) 4-8% Equal to Benedict's Smartmix #7 Native Garden Soil Mix or approved equivalent	Fill below 300mm
Turf Areas	Type "C"	Equal to Benedict's 'Turf Underlay' or approved equivalent	140mm
Rain Gardens	500mm depth Filter Media	Referto Enginners specification + fertiliser perplantings as specified below	500mm
NOTE: SOIL TYPE B is only to be used below 300mm for filling raised garden beds for additional depth or in the base of tree planting pits.			
MULCH SCHEDULE			
Location	Type	Composition	Depth
All planting areas except rain gardens	Organic Forest Fines	<15mm from Australian Native Landscapes or equivalent	75mm
Rain Gardens	Hawkesbury Sandstone Pebble 80-120mm	in-organic mulch sandstone 80-120mm	75mm
FERTILISER SCHEDULE			
Location	N:P:K Ratio	Application rate	Product
Tree planting: 1000 L	20-4-4-2+TE	20 x 21g tablets per tree	Equal to 21g Agriform Fertilizer Planting Tablet or approved equal.
Tree planting: 400 L	21:01:11	16 x 21g tablets per tree	As above
Tree planting: 200 L	21:01:11	14 x 21g tablets per tree	As above
Tree planting: 100 L	21:01:11	10 x 21g tablets per planting pit	As above
Native Shrub planting:	9:04:06	Refer container rates	Osmocote Plus Native Gardens
Growth enhancer for all planted areas and trees (in addition to fertiliser)	2:01:03	4mL/Litre/m2	Seasol
NOTE: Alternatively, fertiliser may be of an organic type, such as 100% Black Soldier Fly Larvae Frass and Exoskeletons as available from "Bardee" and applied at the manufacturers recommended rates			

Plant List - Curlewis Street Upgrade

ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
AgRo	1	Agathis robusta	Queensland Kauri Pine	200mm	
Balm	17	Baeckea imbricata	Heath Myrtle	150mm	
CaAp	17	Carex appressa	Tall Sedge	200mm	
CoAl	50	Correa alba	White Correa	200mm	
Coex	15	Corymbia eximia	Yellow Bloodwood	400 Litre	
DiCo	910	Dianella congesta	Blue Flax Lily	150mm	
DiRe	158	Dichondra repens	Kidney Weed	150mm	
DoEx	37	Doryanthes excelsa	"Gymea Lily, Giant Lily"	25 Litre	
DraDra	3	Dracaena draco	Dragon tree	400Litre	
FiNo	38	Ficinia nodosa	knobby club-rush	150mm	
JuKr	38	Juncus kraussii	Sea Rush	150mm	
LIVaus	23	Livistona australis	Cabbage-tree Palm	1000 Litre	Min. clear trunk height = 2.5metres
LoHy	51	Lomandra hystrix	Green matrush	150mm	
LOMtan	291	Lomandra tanika	Fine leafed mat rush	150mm	
PHlxan	42	Philodendron xanadu	Xanadu	200mm	
RAPori	37	Raphiolepis indica 'Oriental Pearl'	Oriental Pearl Indian Hawthorn	200mm	
ScAe	146	Scaevola aemula	Blue Fanflower	150mm	
TRILau	29	Tristaniopsis laurina	Kanooka, Water Gum	400 Litre	
VIOhed	213	Viola hederacea	Native Violet	150mm	
WatFlo	1	Waterhousia floribunda "Sweeper"	Weeping Lilly Pilly	400 Litre	
WESfr	64	Westringia fruticosa	Coastal Rosemary	200mm	
XanChr	15	Xanthostemon chrysanthus	Golden Penda	400 Litre	

Note: All dimensions subject to on site verification prior to execution. Figured dimensions shall be taken in preference to scaling. Drawings made to larger scales and those showing particular parts of the works shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian Standards and other codes as applicable together with other authorities requirements and regulations. Design drawings by other disciplines have been included for coordination only. All rights reserved. COPYRIGHT © of 33 Parallel Landscape Architects. May not be reproduced without permission

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F	Issue for Construction	_____	DM	16/07/2023
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____



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PROJECT
WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE

DRAWING TITLE LANDSCAPE PLAN – SCHEDULES				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER		ISSUE	
2050	L_0003		F	

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Beackea imbricata



Carex appressa



Correa alba



Doryanthes excelsa



Dianella congesta



Dichondra repens



Ficinia nodosa



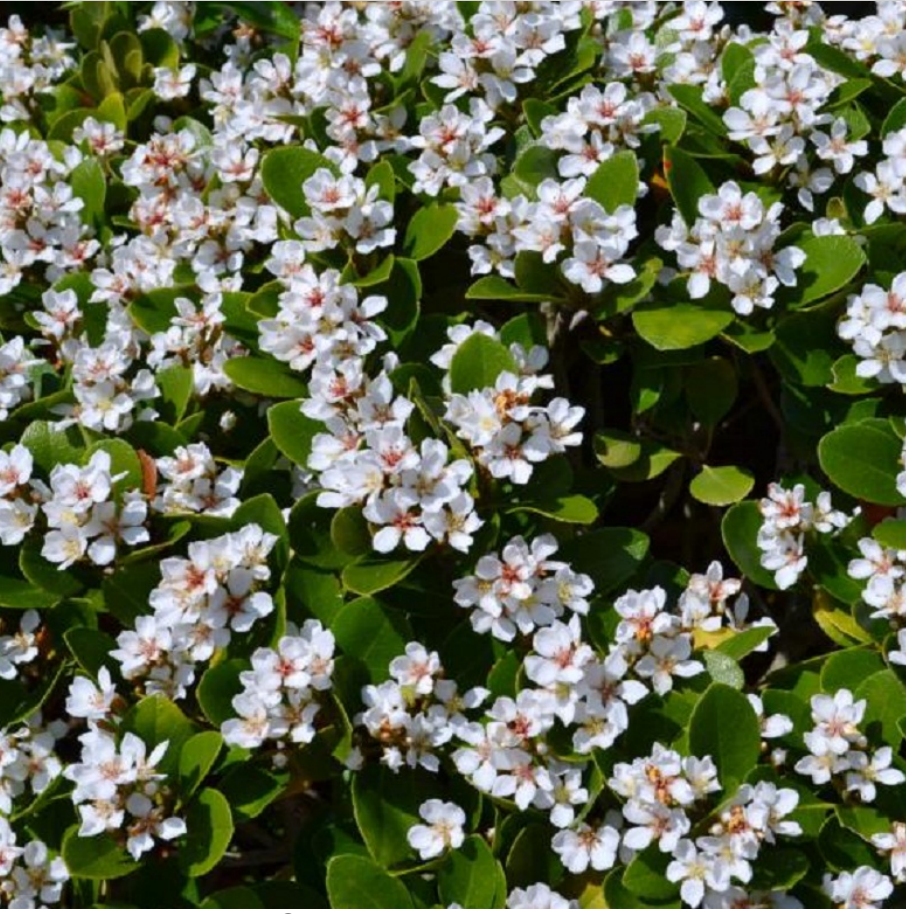
Lomandra hystrix



Lomandra "Tanika"



Juncus kraussii



Raphiolepis indica :Oriental Pearl"



Scaevola aemula



Viola hederaceae



Westringia fruticosa



Agathis robusta



Livistona australis



Corymbia eximia



Dracaena draco



Tristaniopsis laurina



Waterhouisia floribunda "Sweeper"



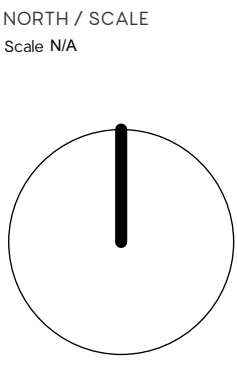
Xanthostemon chrysanthus



Philodendron "Xanadu"

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F	Issue for Construction	DM	DM	16/07/2023



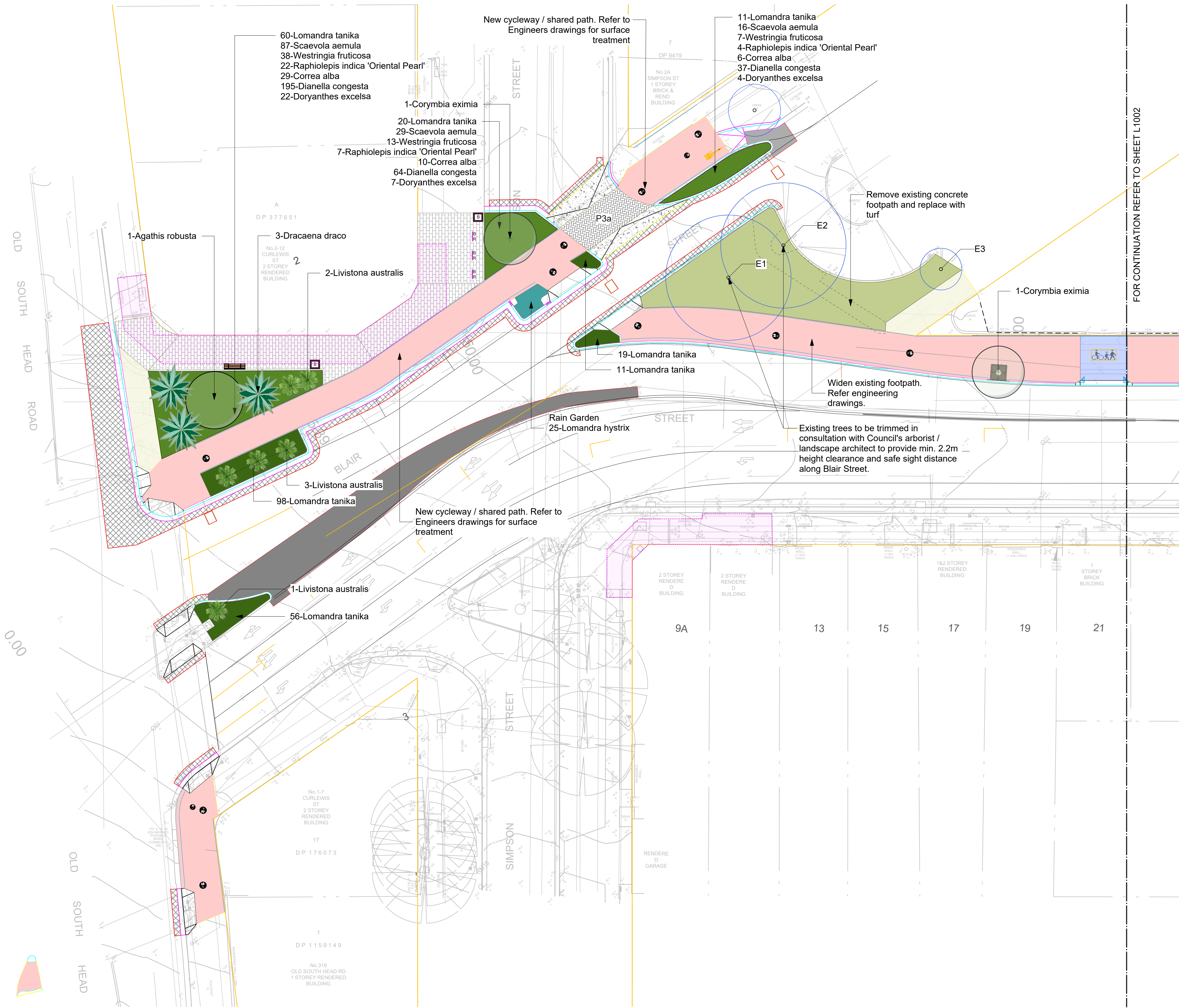
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**WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE**

DRAWING TITLE LANDSCAPE PLAN – PLANT PALETTE				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
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PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_0004	F		

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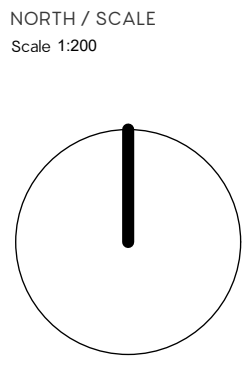
LEGEND

- EXX
EXISTING TREE TO BE REMOVED
- EXX
EXISTING TREE TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS - LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE SURROUND SURFACE MATERIAL
- PLANTING TYPE RAIN GARDEN
REFER DETAIL 1 ON DRAWING L_8002
- PLANTING NORMAL GARDEN BED
REFER PLANT SCHEDULE ON DRAWING L_0001
- TURF TYPE 1
REFER DETAIL 4 ON DRAWING L_8001
- PAVING TYPE P3- BONDI '2535'
PAVING PATTERN 'G' STRETCHER BOND
600X300X40mm THICK (70MM THICK AT VEHICULAR CROSSEOVERS) REFER L_8004- 5 FOR WAVERLEY COUNCIL'S STANDARD DETAILS
- PAVING TYPE P3a- BONDI '2535'
PAVING PATTERN 'G' HERRINGBONE FOR USE AT PEDESTRIAN PRIORITY CROSSINGS
200x300x70mm THICK REFER L_8004-5
- EXISTING AWNINGS
- EXISTING BINS & SEATING TO BE PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE RELOCATED.
- PROPOSED WARNING TACTILE GROUND SURFACE INDICATORS (BUS STOPS & PEDESTRIAN CROSSINGS)
- PROPOSED STREET SEAT TYPE B
TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE
TYPE A - COASTAL: E.P DRAFFIN
SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK
TYPE B: MARINE GRADE STAINLESS STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS DRAWINGS FOR SIZE, REINFORCEMENT AND BASE MATERIALS

NOTE: REFER TO CIVIL ENGINEERS DRAWINGS FOR ANY SYMBOLS AND HATCHES NOT LISTED IN THE LANDSCAPE LEGEND OR SHOWN ON THE LANDSCAPE PLANS

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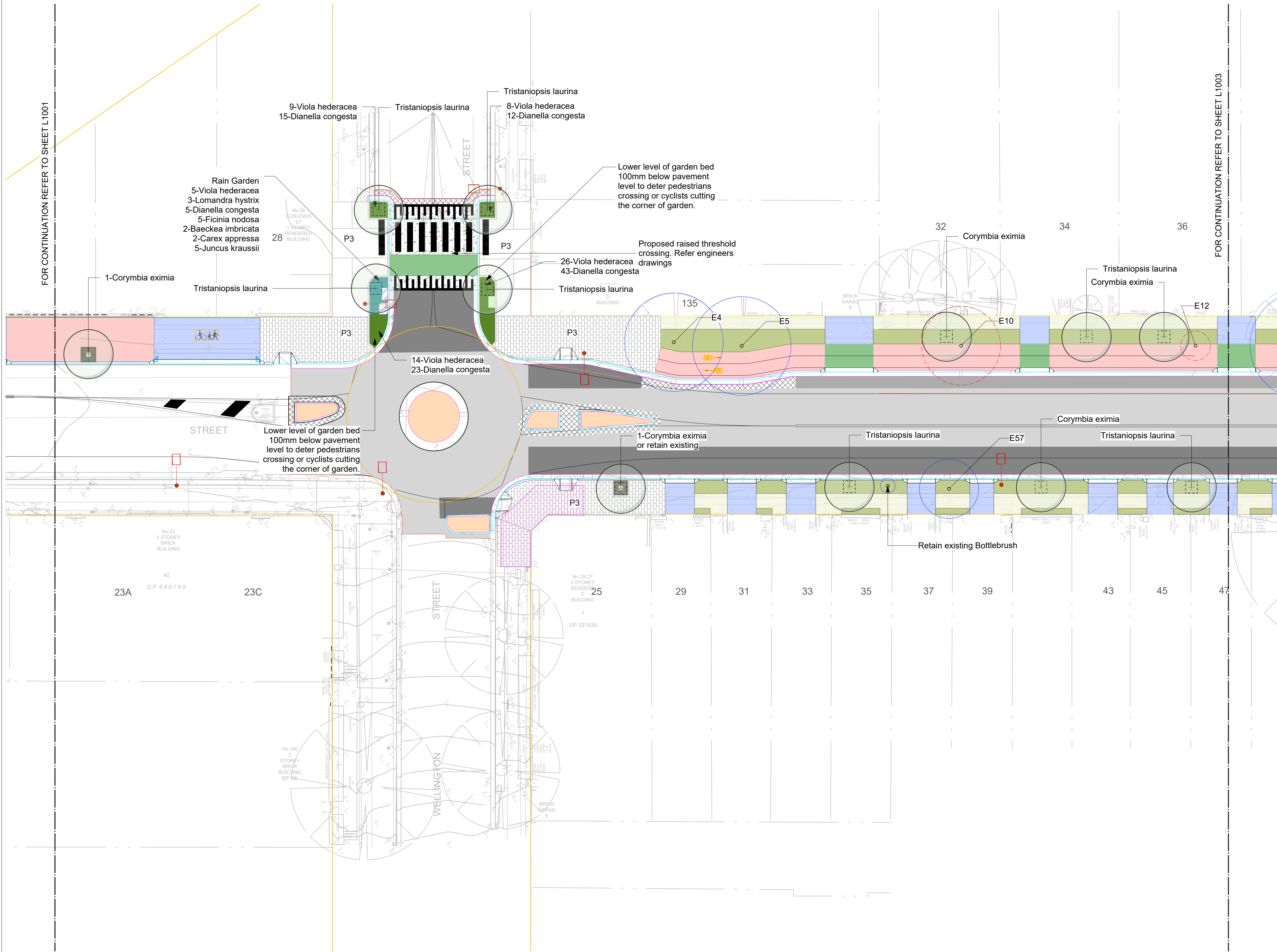
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WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE

DRAWING TITLE
LANDSCAPE PLANS - 1

CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
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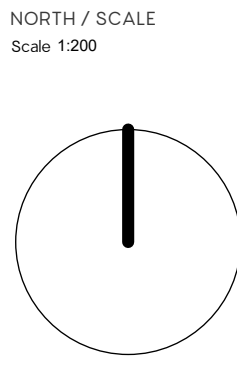
LEGEND

- EXX
EXISTING TREE
TO BE REMOVED
- EXX
EXISTING TREE
TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS -
LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE
SURROUND SURFACE MATERIAL
- PLANTING TYPE RAIN GARDEN
REFER DETAIL 1 ON DRAWING L_8002
- PLANTING NORMAL GARDEN BED
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PAVING PATTERN 'G' STRETCHER BOND
600X300X40mm THICK (70MM THICK AT
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FOR WAVERLEY COUNCIL'S STANDARD
DETAILS
- PAVING TYPE P3a- BOND '2535'
PAVING PATTERN 'G' HERRINGBONE FOR
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200x300x70mm THICK REFER L_8004-5
- EXISTING AWNINGS
- EXISTING BINS & SEATING TO BE
PROTECTED & MAINTAINED
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- PROPOSED WARNING TACTILE GROUND
SURFACE INDICATORS (BUS STOPS &
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- PROPOSED STREET SEAT TYPE B
TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE
TYPE A - COASTAL: E.P DRAFFIN
SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK
TYPE B: MARINE GRADE STAINLESS
STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH
SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS
DRAWINGS FOR SIZE,
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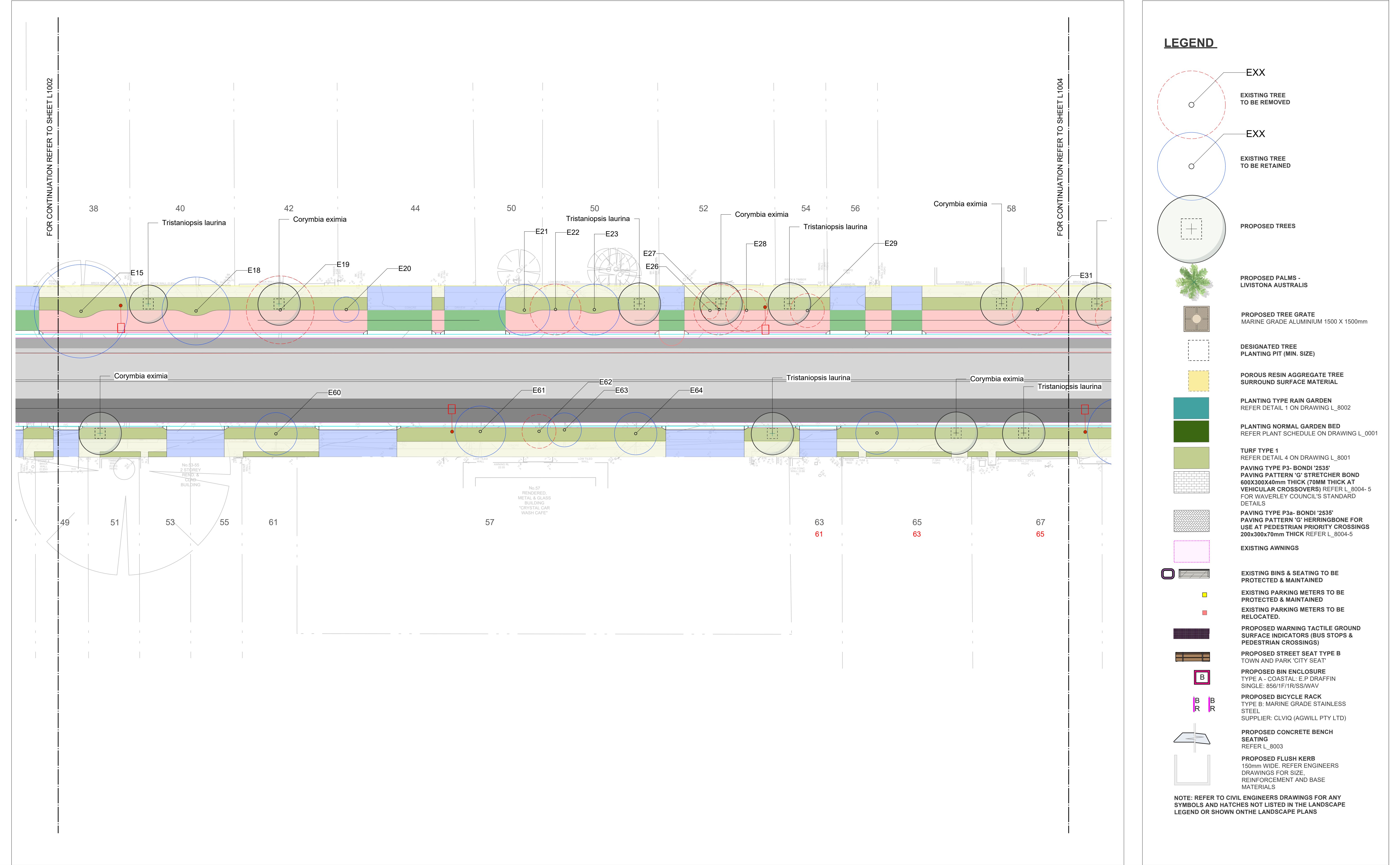
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CURLEW STREET STREETScape
UPGRADE

DRAWING TITLE LANDSCAPE PLANS - 2				
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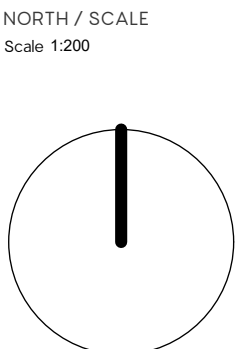
LEGEND

- EXX
EXISTING TREE
TO BE REMOVED
- EXX
EXISTING TREE
TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS -
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- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE
SURROUND SURFACE MATERIAL
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DETAILS
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PAVING PATTERN 'G' HERRINGBONE FOR
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200x300x70mm THICK REFER L_8004-5
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- EXISTING BINS & SEATING TO BE
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- EXISTING PARKING METERS TO BE
PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE
RELOCATED.
- PROPOSED WARNING TACTILE GROUND
SURFACE INDICATORS (BUS STOPS &
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- PROPOSED STREET SEAT TYPE B
TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE
TYPE A - COASTAL; E.P DRAFFIN
SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK
TYPE B: MARINE GRADE STAINLESS
STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH
SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS
DRAWINGS FOR SIZE,
REINFORCEMENT AND BASE
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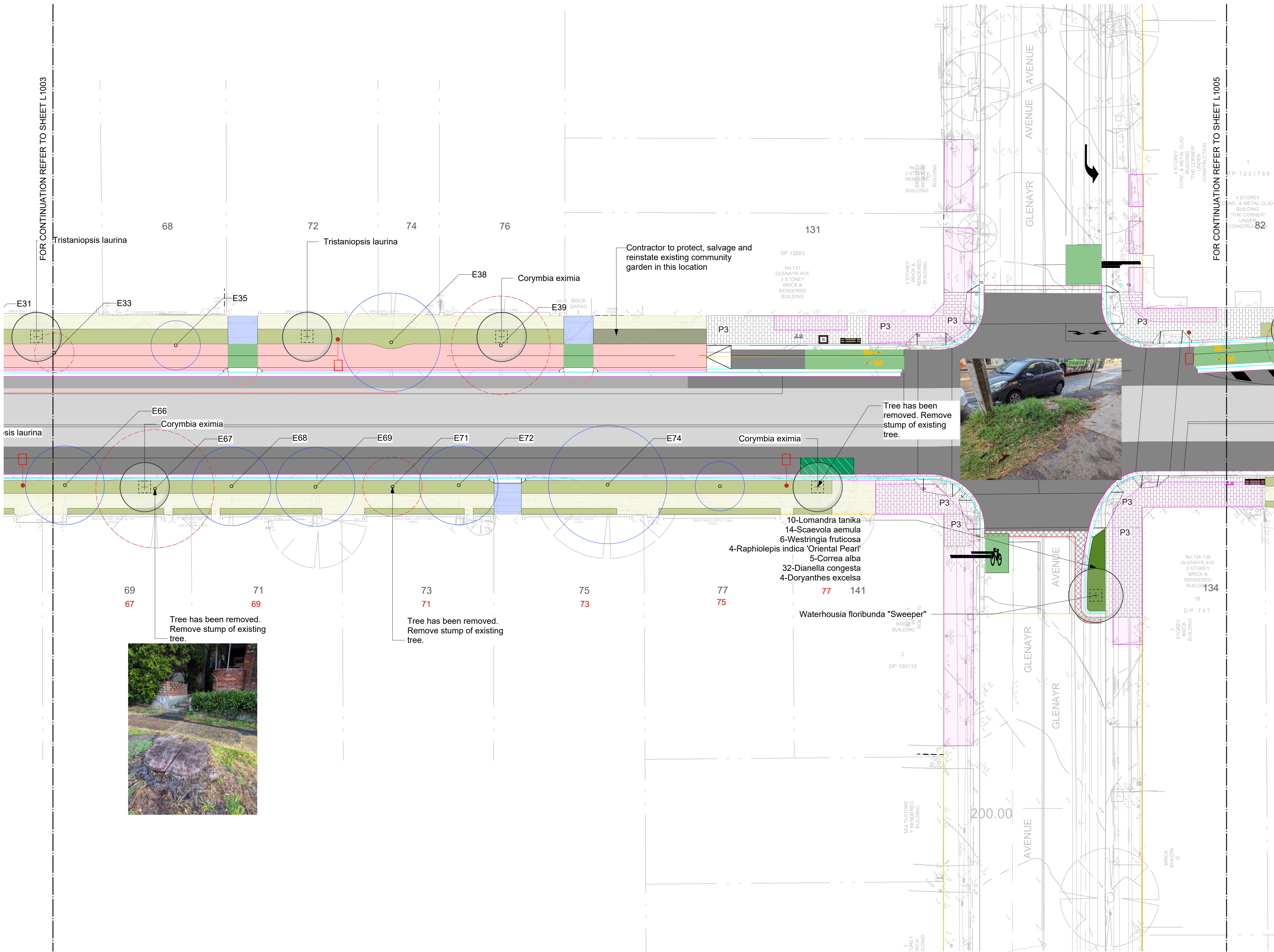
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UPGRADE

DRAWING TITLE LANDSCAPE PLANS - 3				
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PROJECT NUMBER	DRAWING NUMBER	ISSUE		
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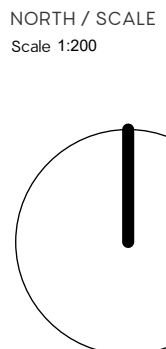
LEGEND

- EXX EXISTING TREE TO BE REMOVED
- EXX EXISTING TREE TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS - LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE SURROUND SURFACE MATERIAL
- PLANTING TYPE RAIN GARDEN REFER DETAIL 1 ON DRAWING L_8002
- PLANTING NORMAL GARDEN BED REFER PLANT SCHEDULE ON DRAWING L_0001
- TURF TYPE 1 REFER DETAIL 4 ON DRAWING L_8001
- PAVING TYPE P3- BOND '2535' PAVING PATTERN 'G' STRETCHER BOND 600X300X40mm THICK (70MM THICK AT VEHICULAR CROSSOVERS) REFER L_8004- 5 FOR WAVERLEY COUNCIL'S STANDARD DETAILS
- PAVING TYPE P3a- BOND '2535' PAVING PATTERN 'G' HERRINGBONE FOR USE AT PEDESTRIAN PRIORITY CROSSINGS 200x300x70mm THICK REFER L_8004-5
- EXISTING AWNINGS
- EXISTING BINS & SEATING TO BE PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE RELOCATED.
- PROPOSED WARNING TACTILE GROUND SURFACE INDICATORS (BUS STOPS & PEDESTRIAN CROSSINGS)
- PROPOSED STREET SEAT TYPE B TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE TYPE A - COASTAL: E.P DRAFFIN SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK TYPE B: MARINE GRADE STAINLESS STEEL SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH SEATING REFER L_8003
- PROPOSED FLUSH KERB 150mm WIDE. REFER ENGINEERS DRAWINGS FOR SIZE, REINFORCEMENT AND BASE MATERIALS

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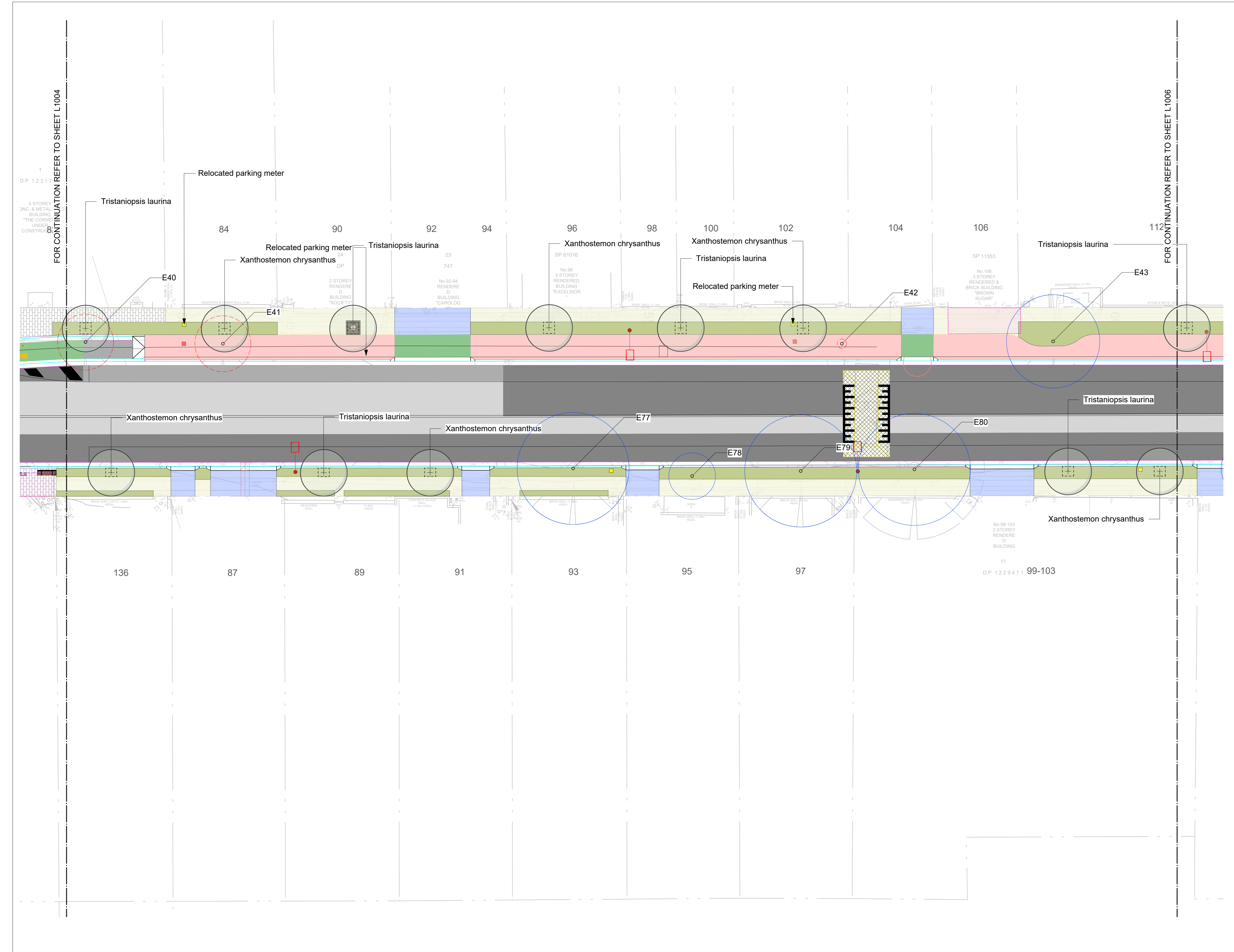
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UPGRADE

DRAWING TITLE LANDSCAPE PLANS - 4				
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PROJECT NUMBER	DRAWING NUMBER	ISSUE		
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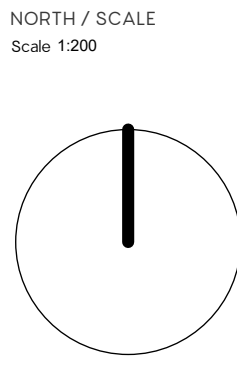
LEGEND

- EXX
EXISTING TREE TO BE REMOVED
- EXX
EXISTING TREE TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS - LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE
SURROUND SURFACE MATERIAL
- PLANTING TYPE RAIN GARDEN
REFER DETAIL 1 ON DRAWING L_8002
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DETAILS
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PAVING PATTERN 'G' HERRINGBONE FOR
USE AT PEDESTRIAN PRIORITY CROSSINGS
200x300x70mm THICK REFER L_8004-5
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- EXISTING BINS & SEATING TO BE
PROTECTED & MAINTAINED
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- PROPOSED WARNING TACTILE GROUND
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- PROPOSED STREET SEAT TYPE B
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- PROPOSED BIN ENCLOSURE
TYPE A - COASTAL; E.P DRAFFIN
SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK
TYPE B: MARINE GRADE STAINLESS
STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH
SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS
DRAWINGS FOR SIZE,
REINFORCEMENT AND BASE
MATERIALS

NOTE: REFER TO CIVIL ENGINEERS DRAWINGS FOR ANY
SYMBOLS AND HATCHES NOT LISTED IN THE LANDSCAPE
LEGEND OR SHOWN ON THE LANDSCAPE PLANS

NOT FOR CONSTRUCTION

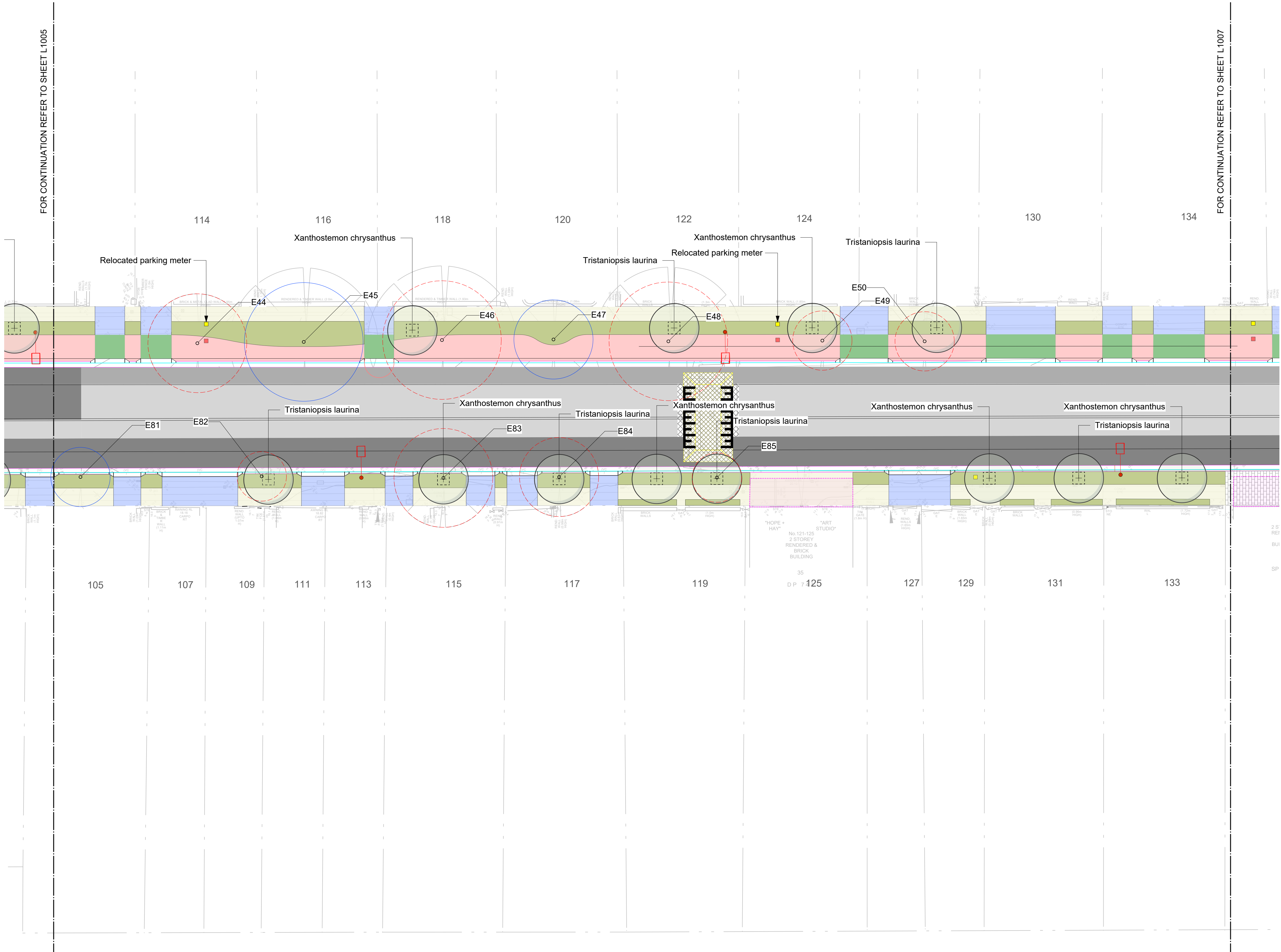
ISSUE	DESCRIPTION	BY	APP'D	DATE
A	75% DETAILED DESIGN		DM	09/01/2023
B	Interim Update 75% design		DM	24/03/2023
C	Interim Update 75% design		DM	4/04/2023
D	Pre Tender		DM	7/05/2023
E	Tender		DM	22/05/2023
F	Updated Tender Issue		DM	7/06/2023
G	Issue for Construction		DM	16/07/2023



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AILA Registered Landscape Architect

CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL
PROJECT
WAVERLEY STREETSAPES
CURLEW STREET STREETScape
UPGRADE

DRAWING TITLE LANDSCAPE PLANS - 5				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
	16/07/2023	DM	IFC	ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_1005	G		



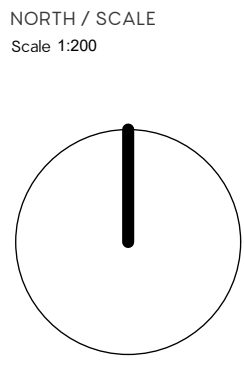
LEGEND

- EXX
EXISTING TREE
TO BE REMOVED
- EXX
EXISTING TREE
TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS -
LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE
SURROUND SURFACE MATERIAL
- PLANTING TYPE RAIN GARDEN
REFER DETAIL 1 ON DRAWING L_8002
- PLANTING NORMAL GARDEN BED
REFER PLANT SCHEDULE ON DRAWING L_0001
- TURF TYPE 1
REFER DETAIL 4 ON DRAWING L_8001
- PAVING TYPE P3- BOND '2535'
PAVING PATTERN 'G' STRETCHER BOND
600X300X40mm THICK (70MM THICK AT
VEHICULAR CROSSOVERS) REFER L_8004-5
FOR WAVERLEY COUNCIL'S STANDARD
DETAILS
- PAVING TYPE P3a- BOND '2535'
PAVING PATTERN 'G' HERRINGBONE FOR
USE AT PEDESTRIAN PRIORITY CROSSINGS
200x300x70mm THICK REFER L_8004-5
- EXISTING AWNINGS
- EXISTING BINS & SEATING TO BE
PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE
PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE
RELOCATED.
- PROPOSED WARNING TACTILE GROUND
SURFACE INDICATORS (BUS STOPS &
PEDESTRIAN CROSSINGS)
- PROPOSED STREET SEAT TYPE B
TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE
TYPE A - COASTAL: E.P. DRAFFIN
SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK
TYPE B: MARINE GRADE STAINLESS
STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH
SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS
DRAWINGS FOR SIZE,
REINFORCEMENT AND BASE
MATERIALS

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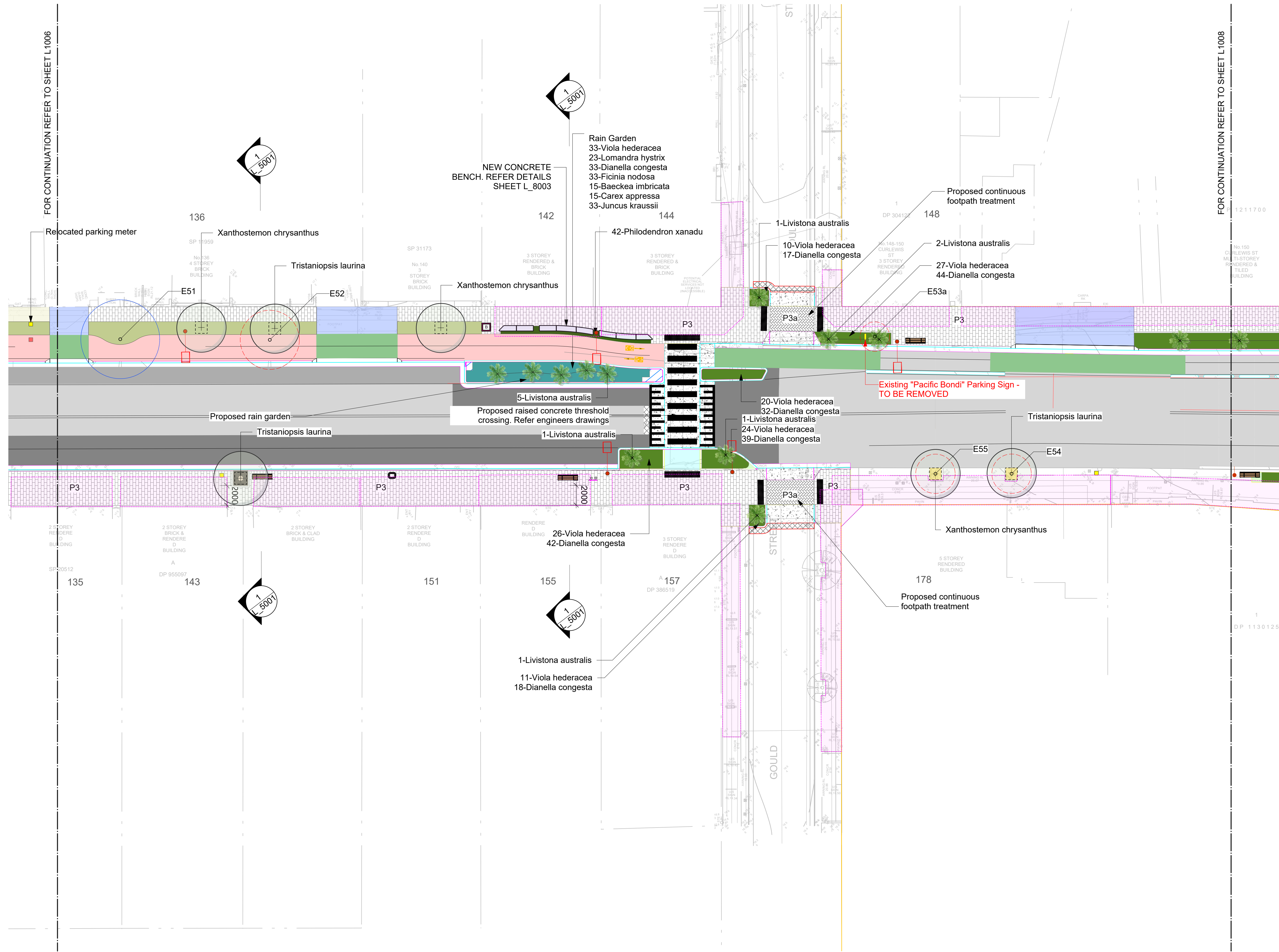
ISSUE	DESCRIPTION	BY	APP'D	DATE
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DRAWING TITLE LANDSCAPE PLANS - 6				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_1006	G		



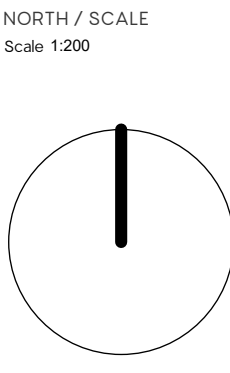
LEGEND

- EXX
EXISTING TREE
TO BE REMOVED
- EXX
EXISTING TREE
TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS -
LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE
SURROUND SURFACE MATERIAL
- PLANTING TYPE RAIN GARDEN
REFER DETAIL 1 ON DRAWING L_8002
- PLANTING NORMAL GARDEN BED
REFER PLANT SCHEDULE ON DRAWING L_0001
- TURF TYPE 1
REFER DETAIL 4 ON DRAWING L_8001
- PAVING TYPE P3- BOND1 '2535'
PAVING PATTERN 'G' STRETCHER BOND
600X300X40mm THICK (70MM THICK AT
VEHICULAR CROSSOVERS) REFER L_8004- 5
FOR WAVERLEY COUNCIL'S STANDARD
DETAILS
- PAVING TYPE P3a- BOND1 '2535'
PAVING PATTERN 'G' HERRINGBONE FOR
USE AT PEDESTRIAN PRIORITY CROSSINGS
200x300x70mm THICK REFER L_8004-5
- EXISTING AWNINGS
- EXISTING BINS & SEATING TO BE
PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE
PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE
RELOCATED.
- PROPOSED WARNING TACTILE GROUND
SURFACE INDICATORS (BUS STOPS &
PEDESTRIAN CROSSINGS)
- PROPOSED STREET SEAT TYPE B
TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE
TYPE A - COASTAL: E.P DRAFFIN
SINGLE: 856/1F/1R/SS/WAV
- PROPOSED BICYCLE RACK
TYPE B: MARINE GRADE STAINLESS
STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH
SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS
DRAWINGS FOR SIZE,
REINFORCEMENT AND BASE
MATERIALS

NOTE: REFER TO CIVIL ENGINEERS DRAWINGS FOR ANY
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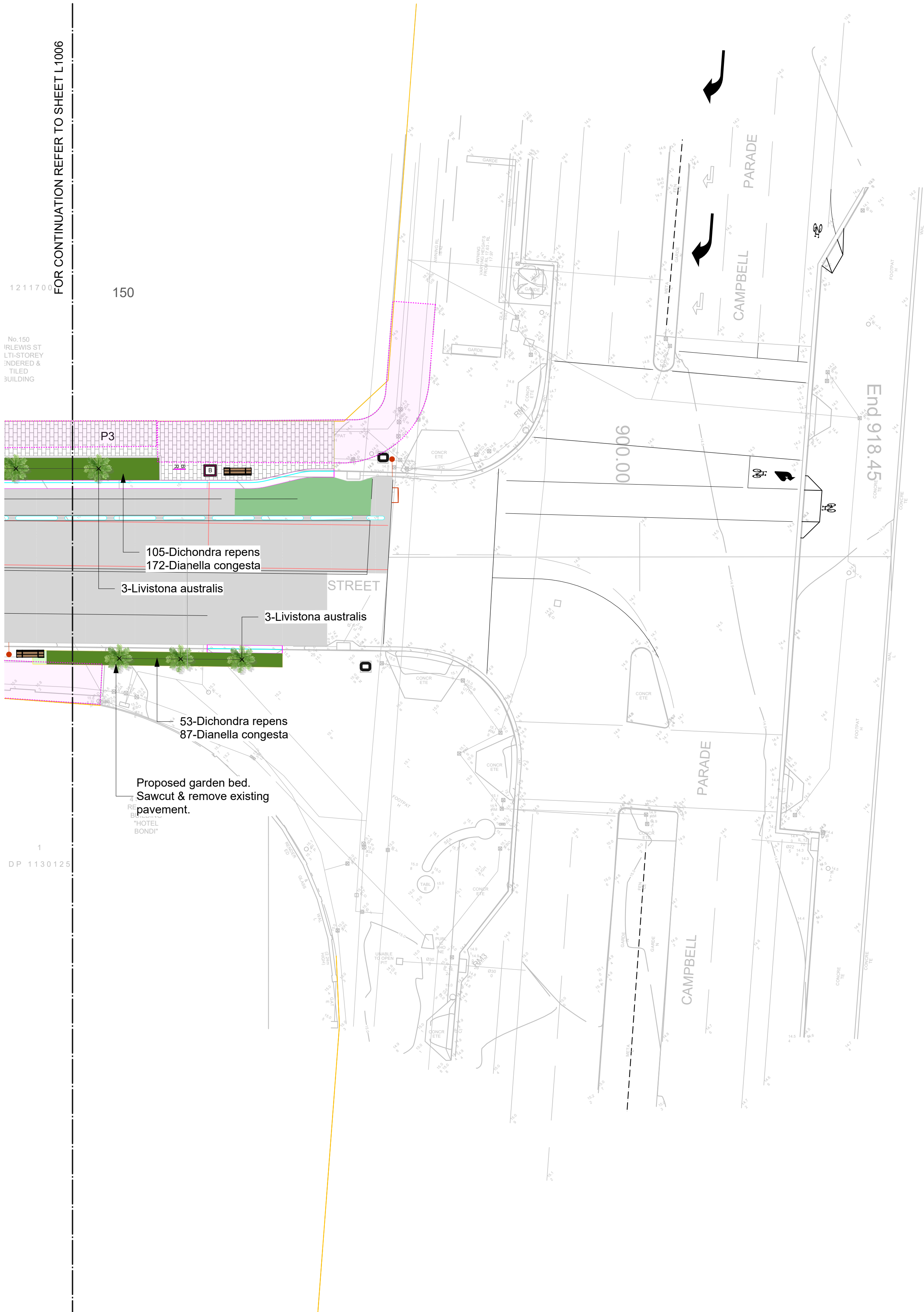
ISSUE	DESCRIPTION	BY	APP'D	DATE
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CURLEWIS STREET STREETScape
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DRAWING TITLE LANDSCAPE PLANS - 7				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_1007	G		



LEGEND

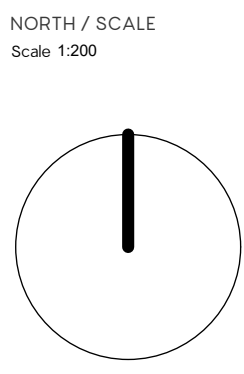
- EXX
EXISTING TREE
TO BE REMOVED
- EXX
EXISTING TREE
TO BE RETAINED
- PROPOSED TREES
- PROPOSED PALMS -
LIVISTONA AUSTRALIS
- PROPOSED TREE GRATE
MARINE GRADE ALUMINIUM 1500 X 1500mm
- DESIGNATED TREE
PLANTING PIT (MIN. SIZE)
- POROUS RESIN AGGREGATE TREE
SURROUND SURFACE MATERIAL
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REFER DETAIL 4 ON DRAWING L_8001
- PAVING TYPE P3- BONDI '2535'
PAVING PATTERN 'G' STRETCHER BOND
600X300X40mm THICK (70MM THICK AT
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FOR WAVERLEY COUNCIL'S STANDARD
DETAILS
- PAVING TYPE P3a- BONDI '2535'
PAVING PATTERN 'G' HERRINGBONE FOR
USE AT PEDESTRIAN PRIORITY CROSSINGS
200x300x70mm THICK REFER L_8004-5
- EXISTING AWNINGS
- EXISTING BINS & SEATING TO BE
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- EXISTING PARKING METERS TO BE
PROTECTED & MAINTAINED
- EXISTING PARKING METERS TO BE
RELOCATED.
- PROPOSED WARNING TACTILE GROUND
SURFACE INDICATORS (BUS STOPS &
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TOWN AND PARK 'CITY SEAT'
- PROPOSED BIN ENCLOSURE
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TYPE B: MARINE GRADE STAINLESS
STEEL
SUPPLIER: CLVIQ (AGWILL PTY LTD)
- PROPOSED CONCRETE BENCH
SEATING
REFER L_8003
- PROPOSED FLUSH KERB
150mm WIDE. REFER ENGINEERS
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1211701
150
No 150
IRLEWIS ST
LTI-STOREY
INDICATED &
TILED
BUILDING
FOR CONTINUATION REFER TO SHEET L1006
1
DP 1130125

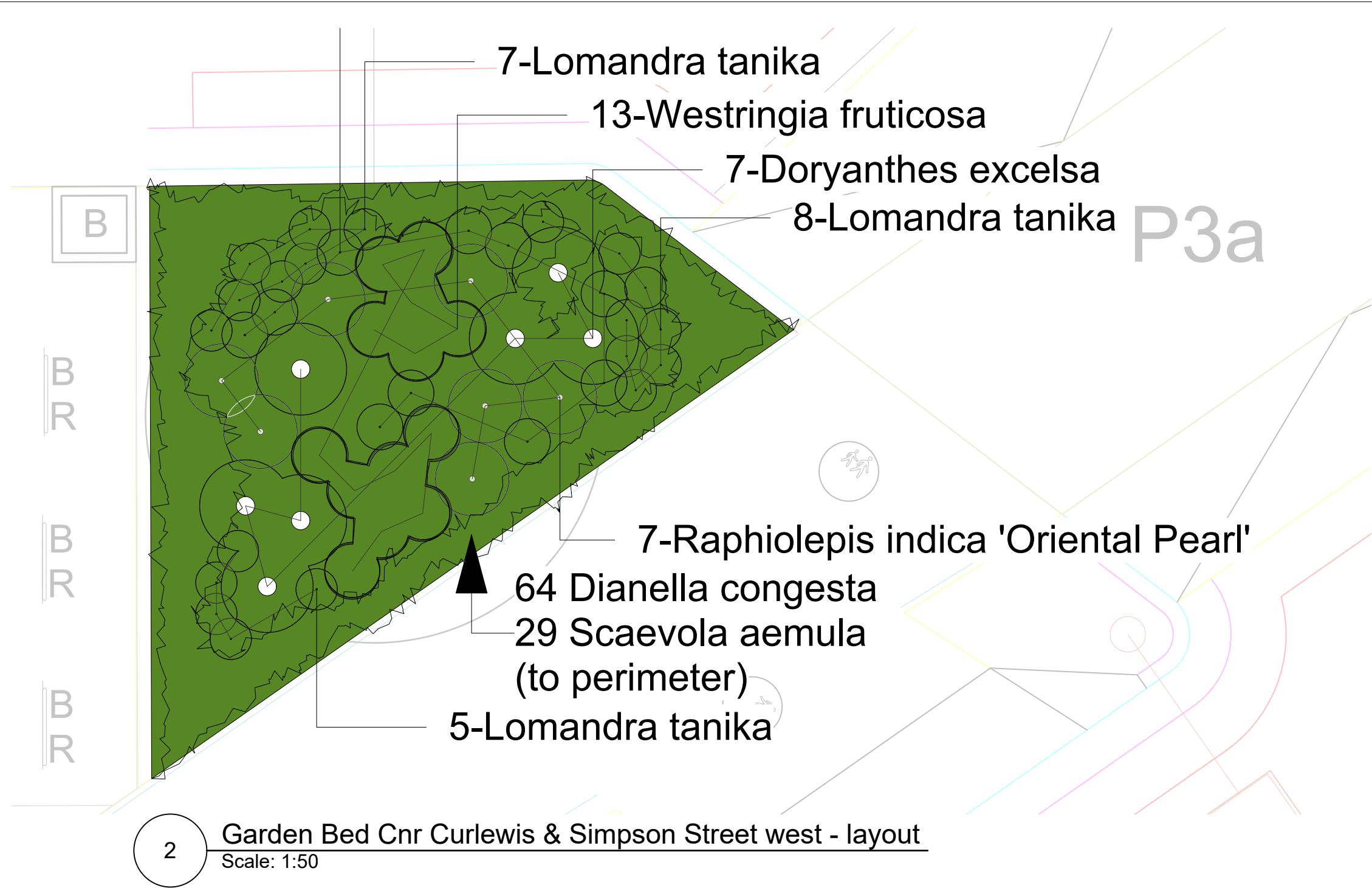
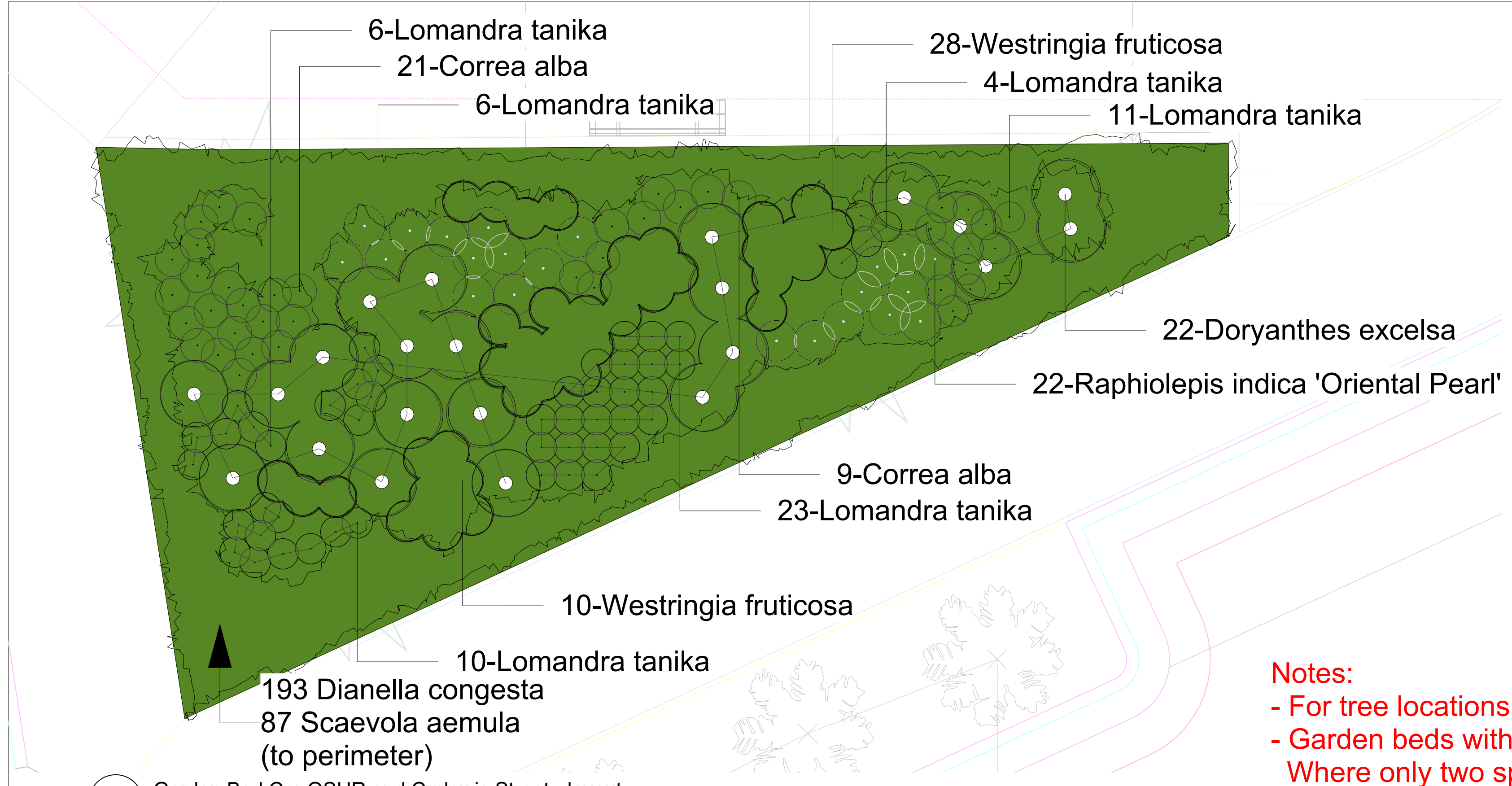
ISSUE	DESCRIPTION	BY	APP'D	DATE
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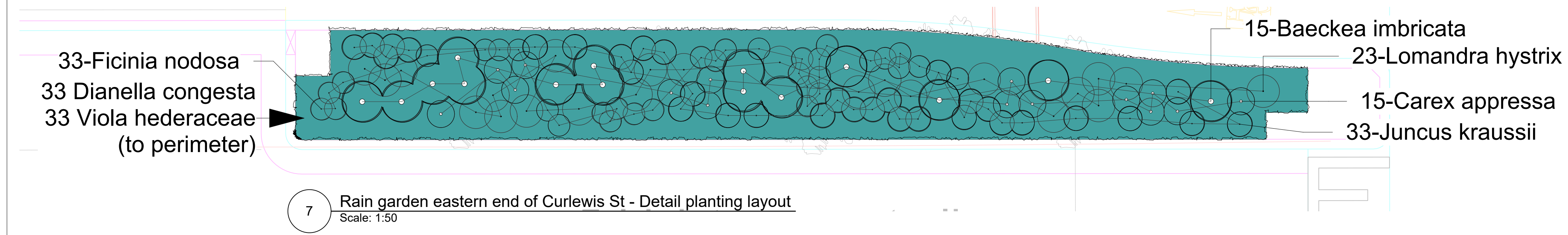
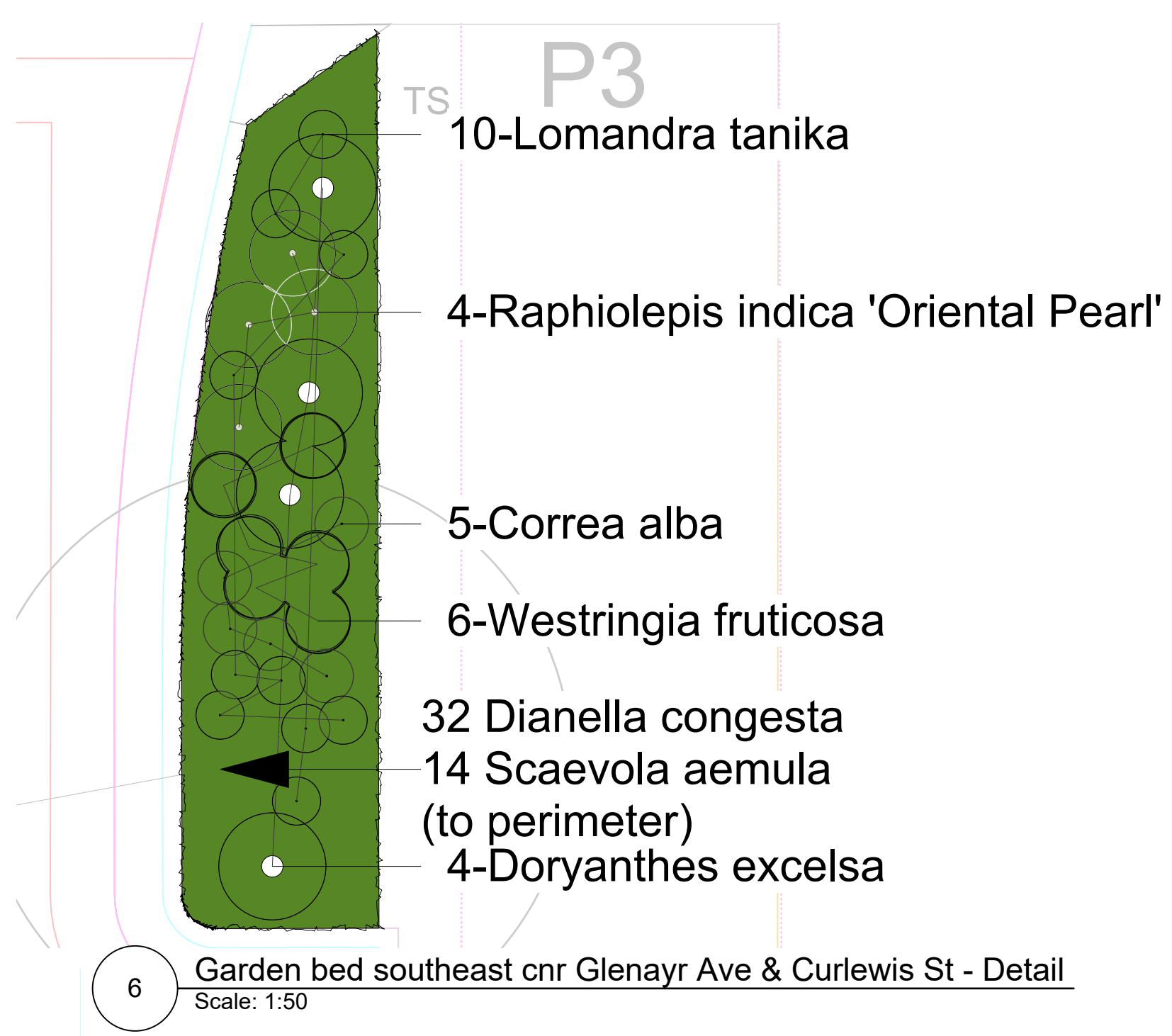
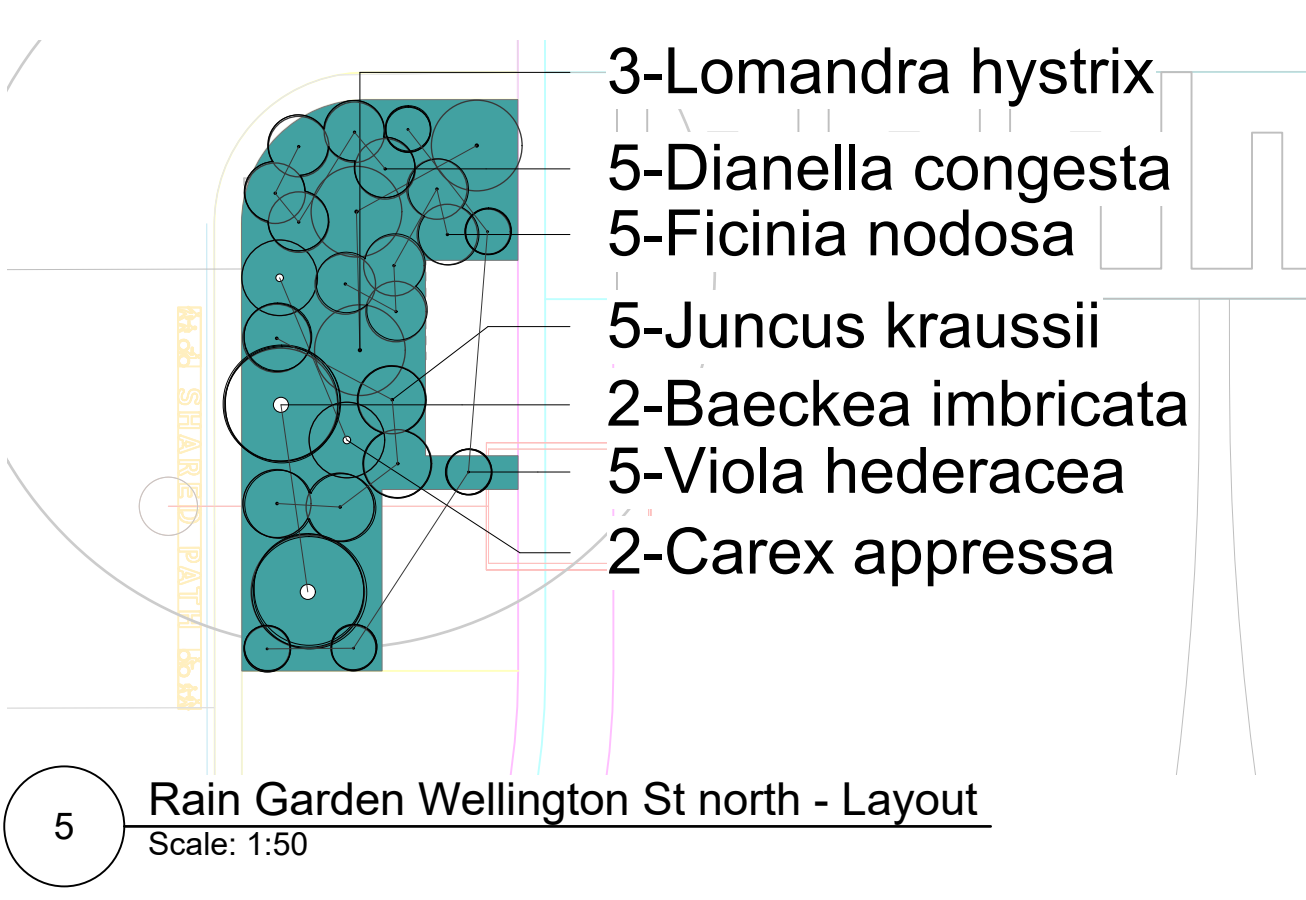
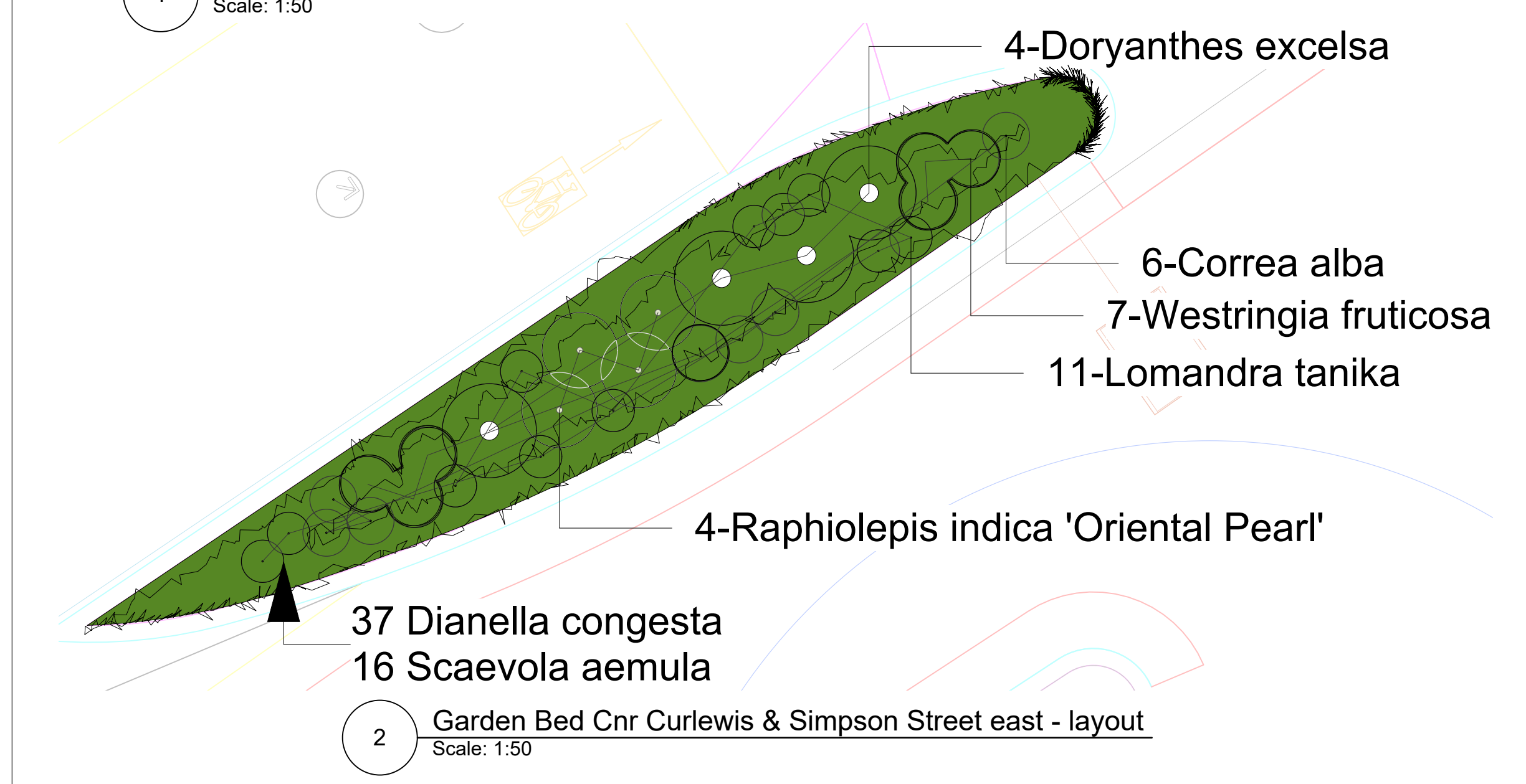
CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL
PROJECT
WAVERLEY STREETS
CURLEWIS STREET STREETScape
UPGRADE

DRAWING TITLE LANDSCAPE PLANS – 8				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_1008	G		



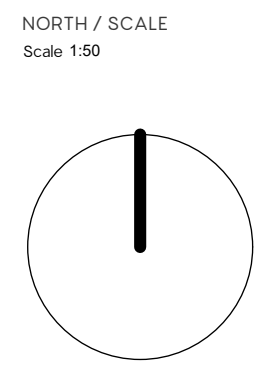
Notes:

- For tree locations in garden beds shown in these detail plans, refer to drawings L1001-L1008.
- Garden beds with only two species are not detailed.
- Where only two species are shown within a garden bed, mix at random with the smaller growing species (Viola/ Dichondra) predominating towards the outer perimeter of the bed.



NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	BY	APP'D	DATE
A	Issue for Construction		DM	16/07/2023

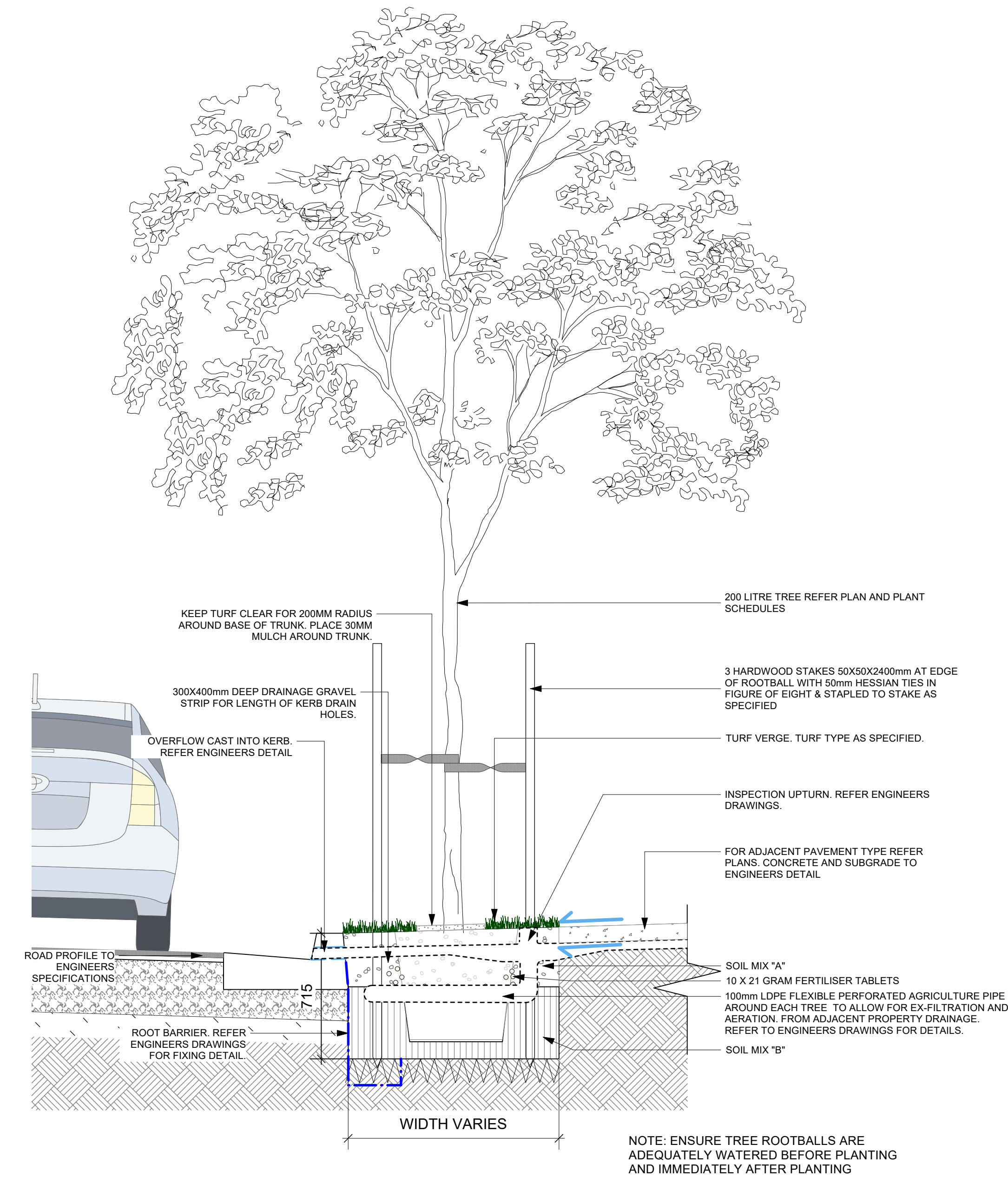


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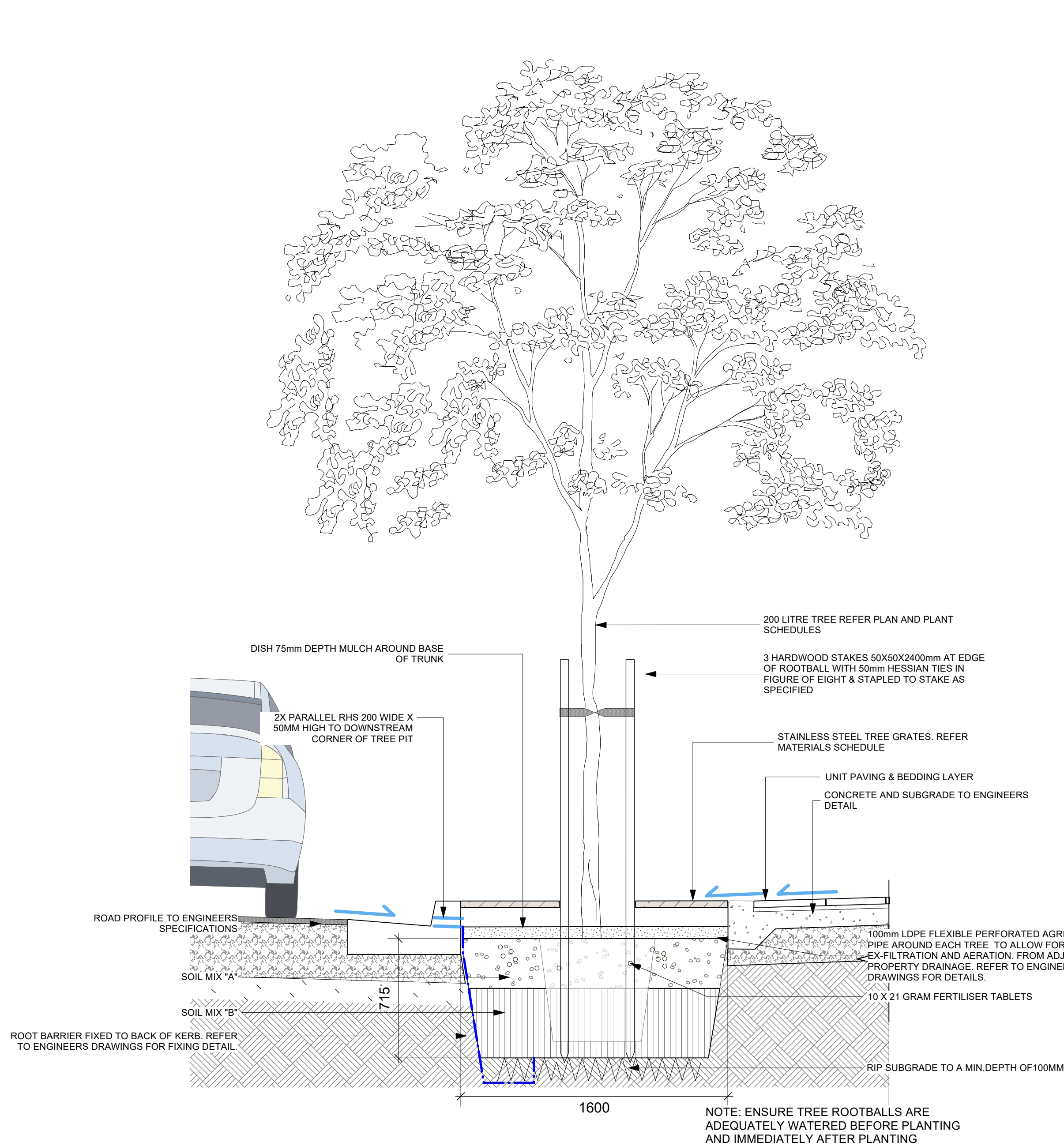
CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL

PROJECT
WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE

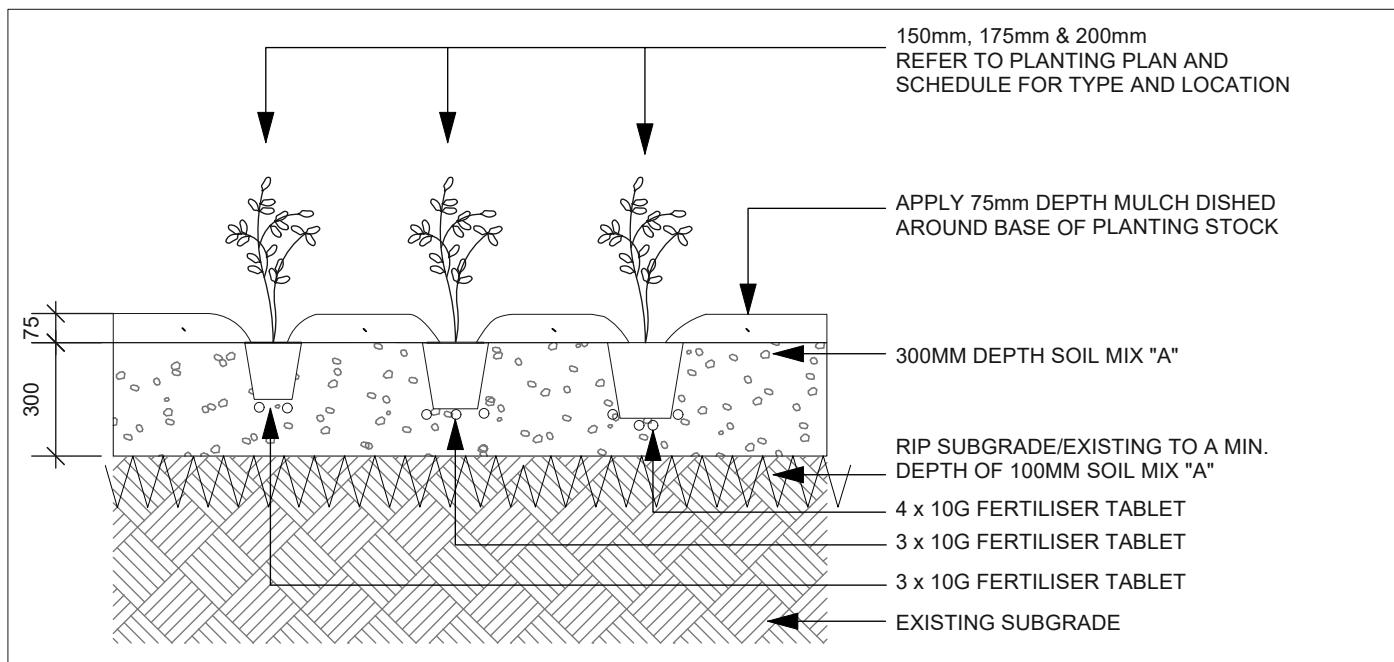
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16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_2001	A		



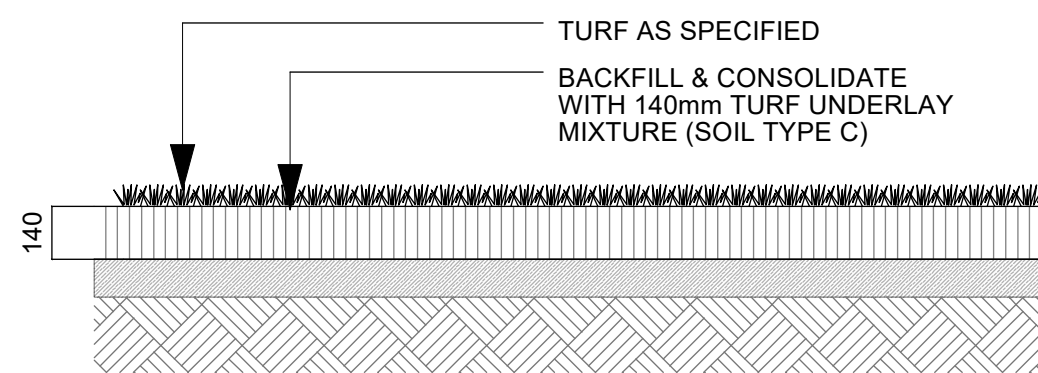
1 TREE PITS WITH 200 LITRE TREES IN TURF VERGE
Scale: 1:20



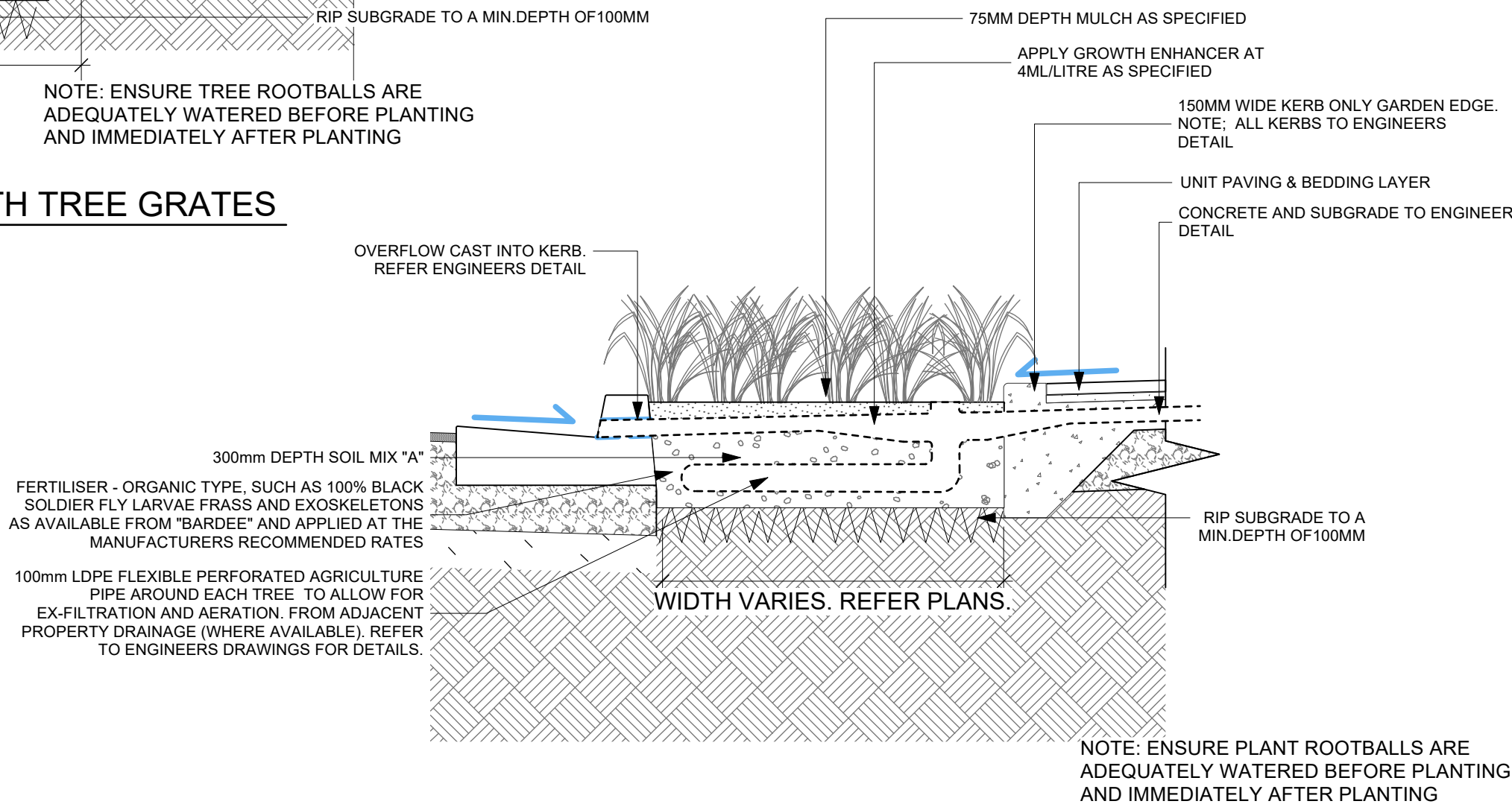
2 TREE PITS WITH 200 LITRE TREES IN PAVED AREAS WITH TREE GRATES
Scale: 1:20



3 SHRUB PLANTING DETAILS
Scale: 1:20



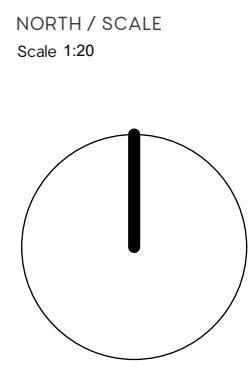
4 TURF DETAIL
Scale: 1:20



5 SHRUB PLANTING BED - NO TREES
Scale: 1:20

NOT FOR CONSTRUCTION

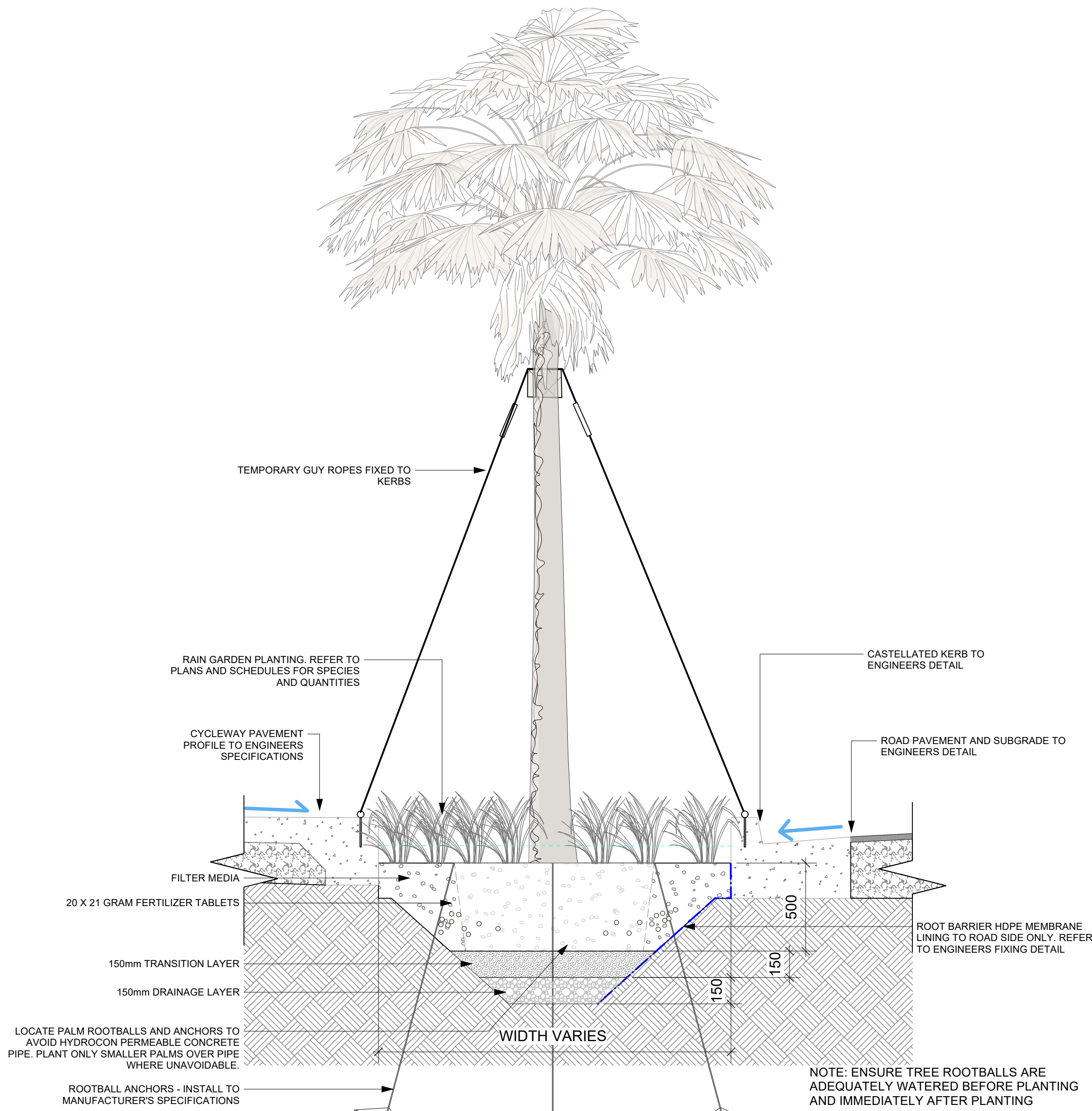
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A	75% DETAILED DESIGN		DM	09/01/2023
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UPGRADE

DRAWING TITLE DETAILS - PLANTING				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_8001	E		

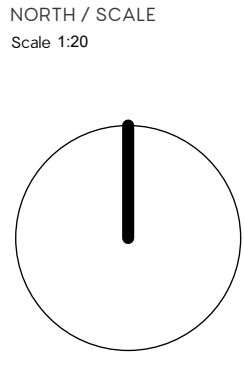


1 1000 LITRE PALM PLANTING & RAIN GARDEN (CNR. GOULD ST.) DETAIL
Scale: 1:20

Note: All dimensions subject to on site verification prior to execution. Figured dimensions shall be taken in preference to scaling. Drawings made to larger scales and those showing particular parts of the works shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian Standards and other codes as applicable together with other authorities requirements and regulations. Design drawings by other disciplines have been included for coordination only. All rights reserved. COPYRIGHT of 33 Parallel Landscape Architects. May not be reproduced without permission

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ISSUE	DESCRIPTION	BY	APP'D	DATE
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C	Tender		DM	22/05/2023
D	Updated Tender Issue		DM	7/06/2023
E	Issue for Construction		DM	16/07/2023

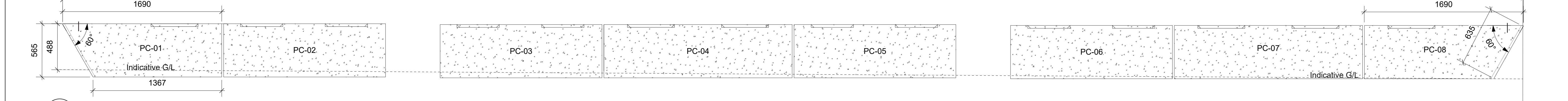
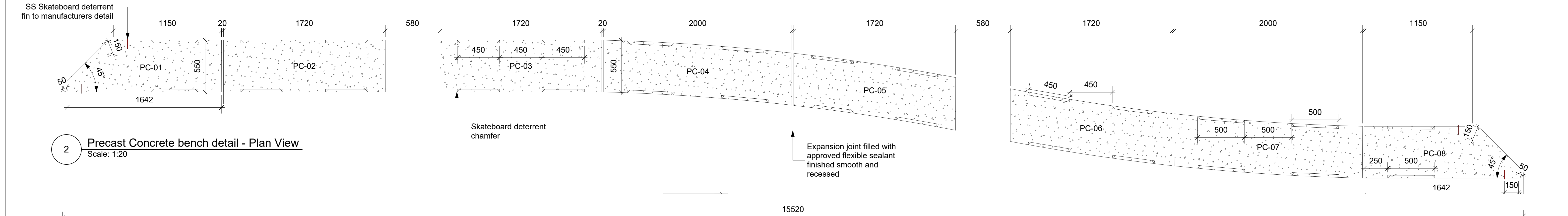
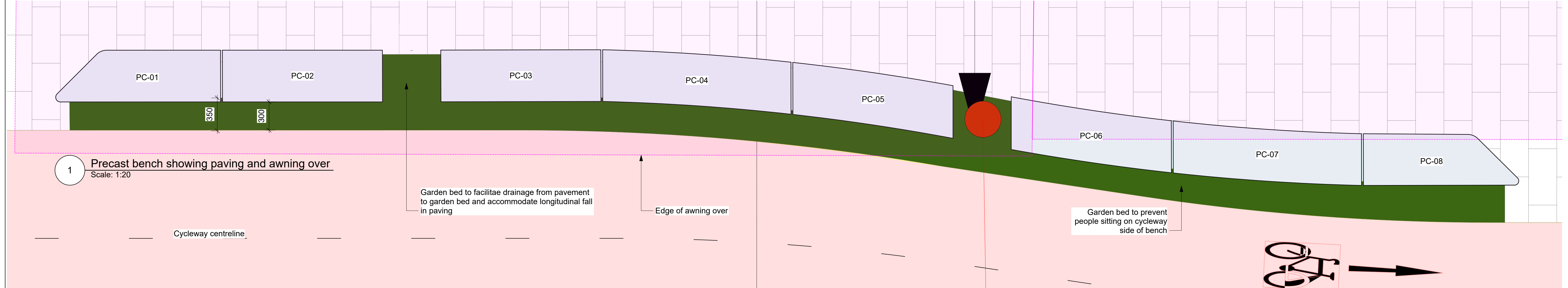


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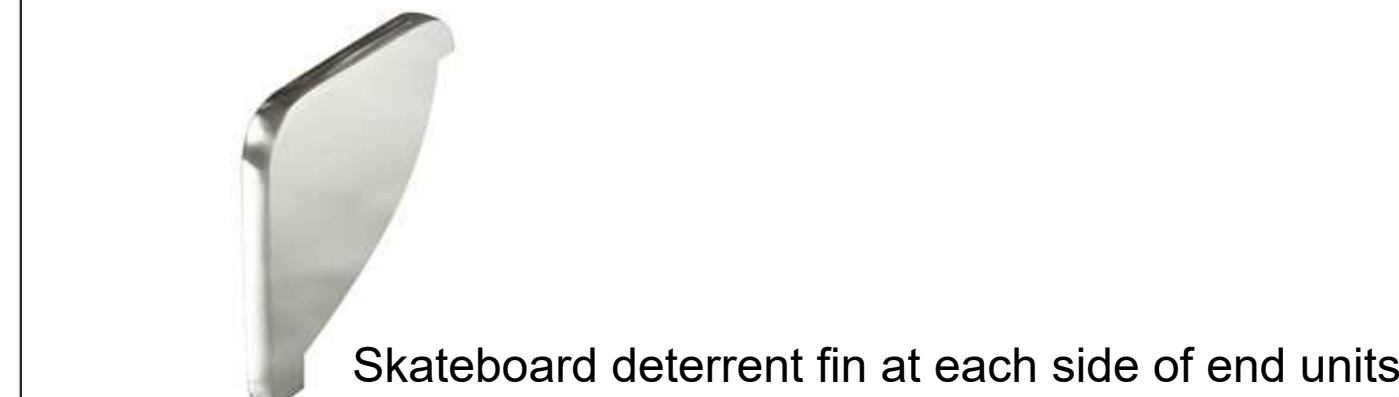
CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL

PROJECT
**WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE**

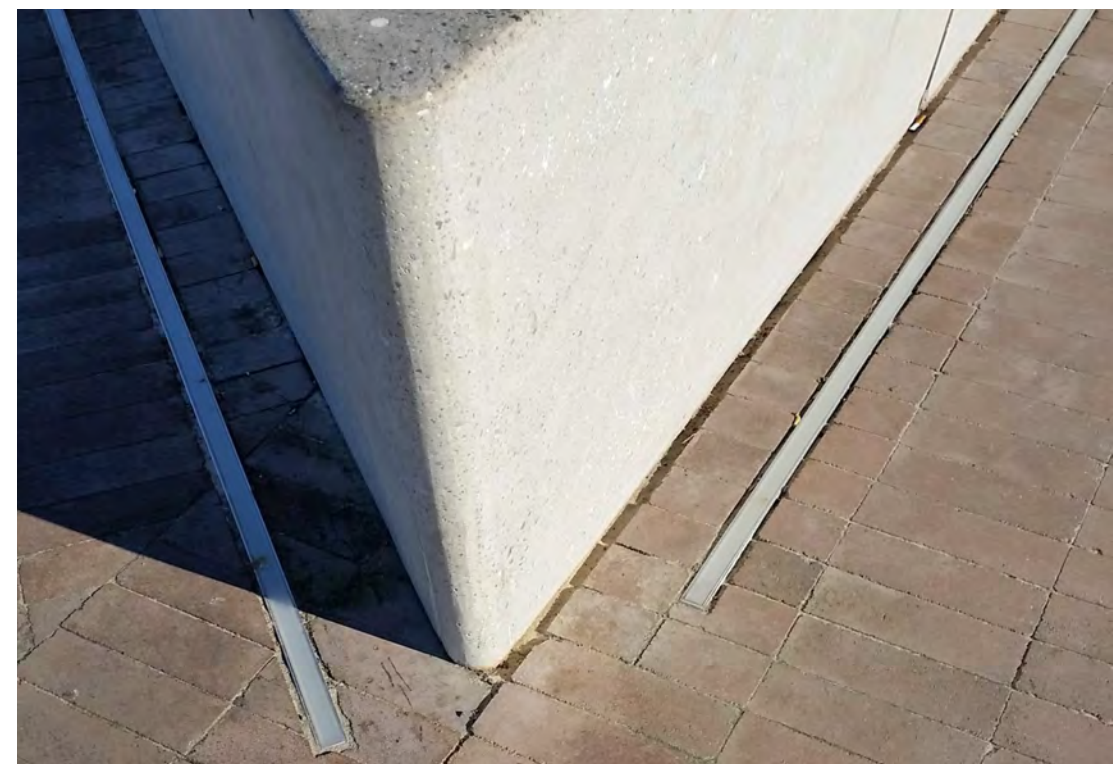
DRAWING TITLE DETAILS – PLANTING RAIN GARDENS				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_8002	E		



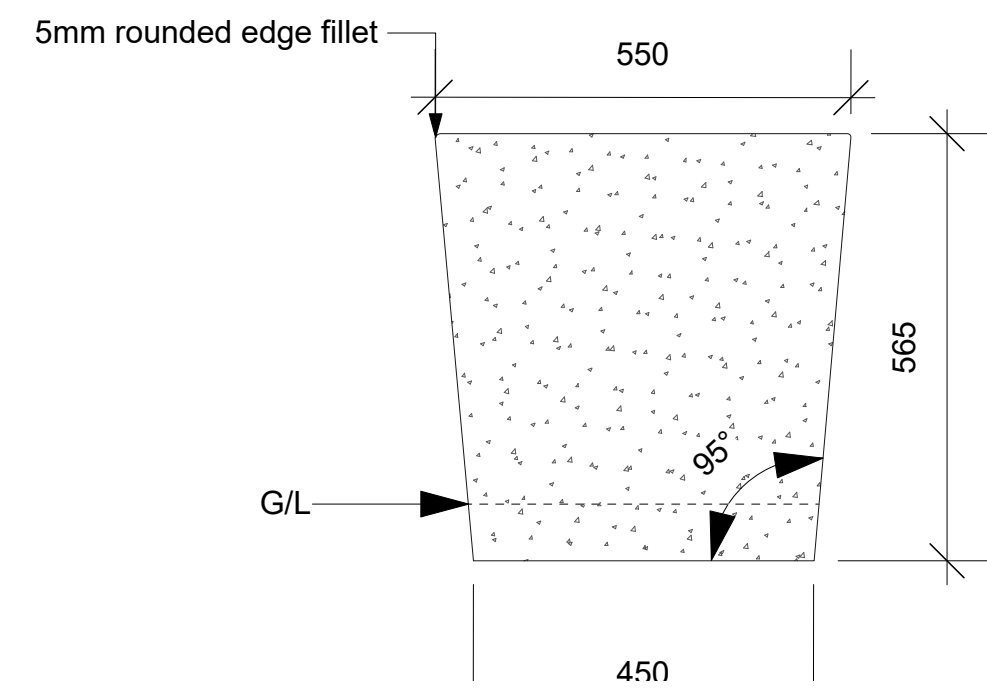
1 Precast bench showing paving and awning over
Scale: 1:20



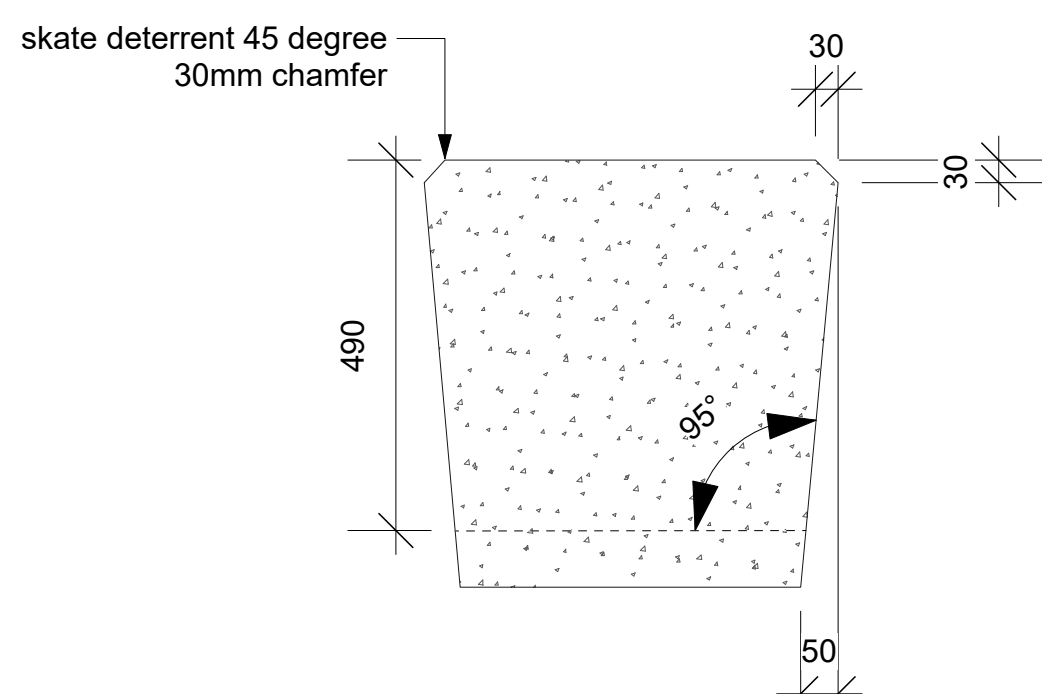
PC-01 & PC-08 are identical
PC-02 & PC-03 are identical
PC-04 & PC-07 are identical
PC-05 & PC-06 are identical
Concrete Finish - Off-White cement with Sandblasted finish



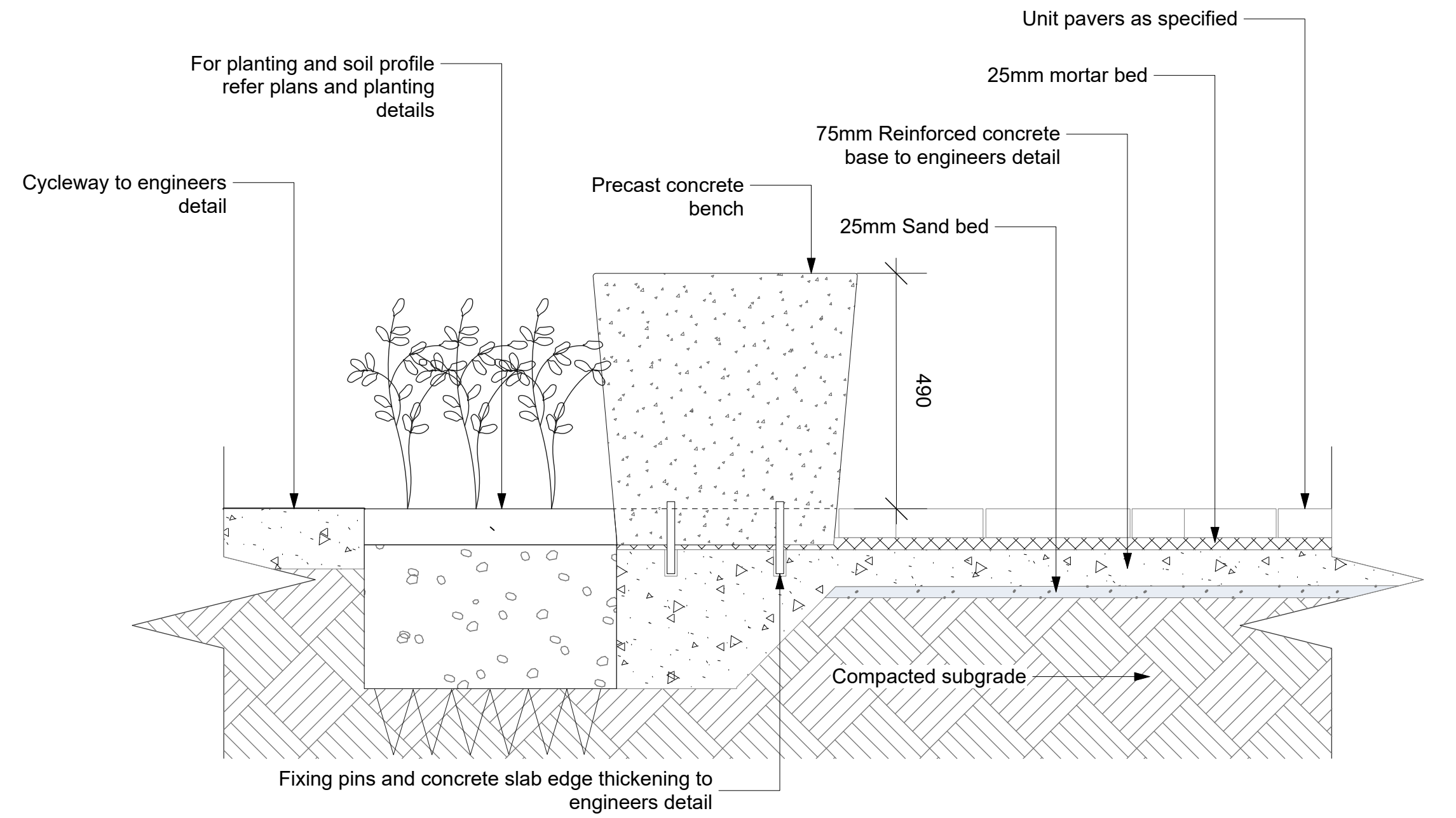
Precedent- Bondi Park wall end of Roscoe St



4 Precast concrete bench - cross section
Scale: 1:10



5 Precast Concrete Bench - Section through Skateboard deterrent chamfer
Scale: 1:10



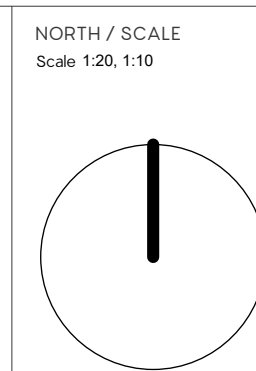
6 Precast concrete bench-installation detail
Scale: 1:10

NOTE: ALL PRECAST CONCRETE BENCH DRAWINGS ARE FOR GUIDANCE ONLY. ENSURE SHOP DRAWINGS ARE PRODUCED FOR APPROVAL PRIOR TO CONSTRUCTION.

SHEET IN COLOUR - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

ISSUE	DESCRIPTION	BY	APP'D	DATE
A	Pre Tender		DM	07/05/2023
B	For Review		DM	17/05/2023
C	Tender		DM	22/05/2023
D	Updated Tender Issue		DM	7/06/2023
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CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
7/06/2023	DM	IFC		ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_8003	E		

A.09

Paving Pattern G

Bondi Beach Local Centre Paving

Function

- For new significant works for footpaths and vehicle crossovers in Bondi Beach Local Centre, with approval by Council landscape architect.

Supplier

- Urbanstone (Austral Masonry Pty Ltd)¹ 02 9757 4644

Product

Body Paver

Pedestrian Grade
600x300x40
Product Code: BD1634MI
Vehicular Grade
600x300x60, or 300x200x70 (high use)
Product Code: BD1636MI or BD1327MI

Paving Pattern: Stretcher Bond, perpendicular to path of travel.

Header Paver

Pedestrian Grade
300x300x40
Product Code: BD1334MI
Vehicular Grade
300x300x60
Product Code: BD1337MI

Paving Pattern: Stacked Bond, 2 Courses minimum on property boundary only.

Special Locations

(Approval Required by Council Landscape Architect)

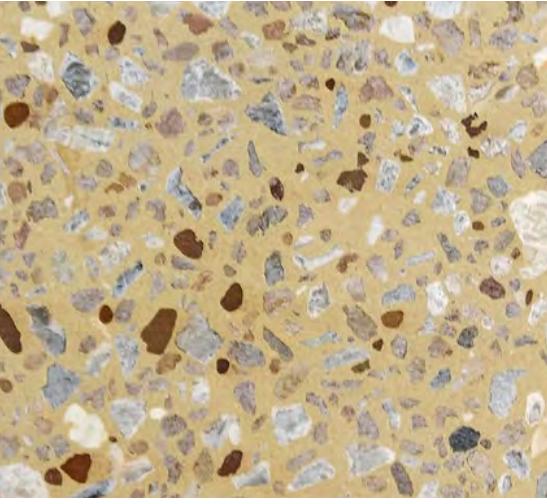
200x300x70
Product Code: BD1334MI
Paving Pattern: Herringbone

Materials and Dimensions

General

- The paving must meet Australian Standards for slip resistance AS 4586-2013 - Slip resistance classification of new pedestrian surface materials.

¹ Waverley Council, 2018, CM/120/18.11 Minutes of the Waverley Council Meeting Tuesday 20 November 2018, Waverley Council



Body Paver - Bondi '2535'

- Paver tolerances to meet AS4456.3:2003 Masonry units and segmental pavers and flags - Methods of test Determining dimensions
- Sealant: silane-siloxane penetrating sealer. The sealant should be solvent based silane-siloxane penetrating sealer designed to protect both horizontal and vertical surfaces from the ingress of water and salts. It should have a low VOC content. It should be water repellent such that the water will bead on the surface of the concrete paver. It should not alter the colour of the surface ensuring a natural look is retained.

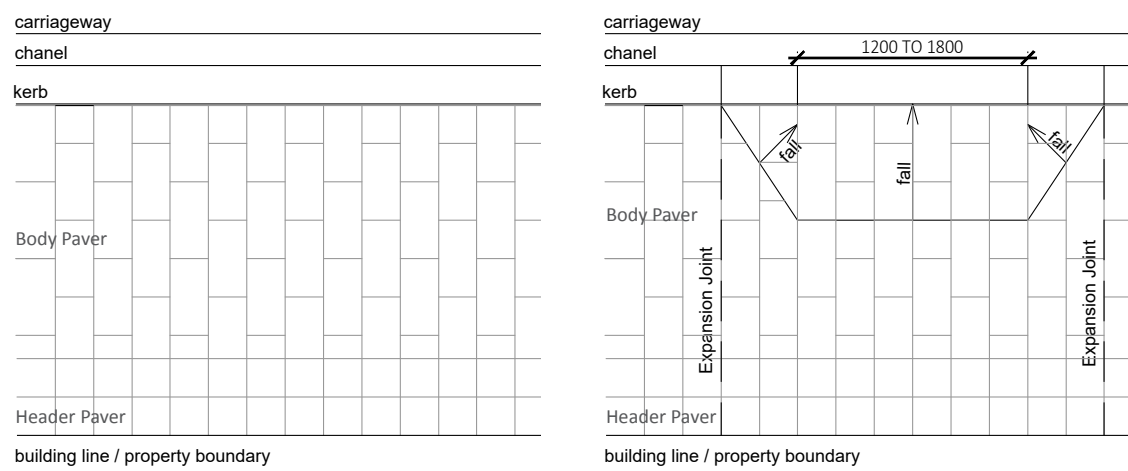
Installation

- Finish-in-situ flush with surrounding surface level.
- Continue paving treatment across driveways and vehicle crossovers.
- Expansion joints to be expressed through to finish level.
- Ensure sealant is not applied on damp or wet surface.

Inspection and Maintenance

- Inspection Period: 6 months
Inspect surface to ensure an even and defect free finish to comply with the relevant Australian Standards. Ensure all paving units are fixed securely to substrate. Replace units as required.
- Maintenance Period: 12 months
 - Remove and replace broken or loose paving units.
 - Steam gum and deleterious material.
 - Pressure wash surface.
 - Apply sealant to dry surface.

Paving and Surface Materials Paving Pattern G



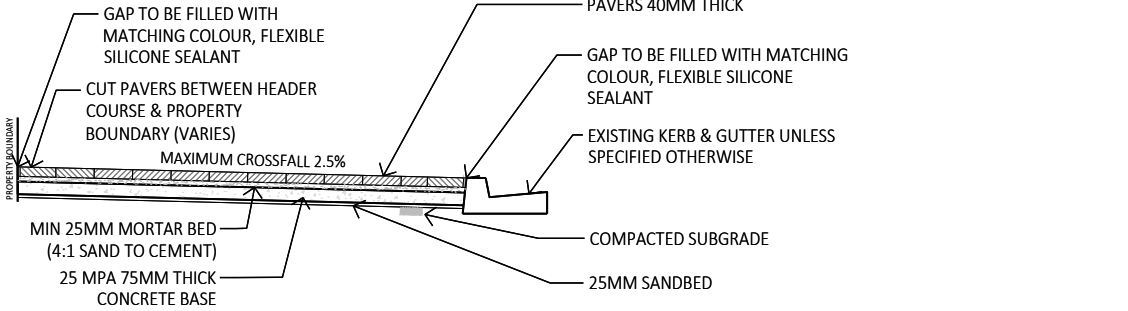
Note: Setout such that full & half pavers sit along roadside. Cut pavers at building line as required. Avoid small cuts.

01 PAVING PATTERN G - TYPICAL LAYOUT

Scale 1:50

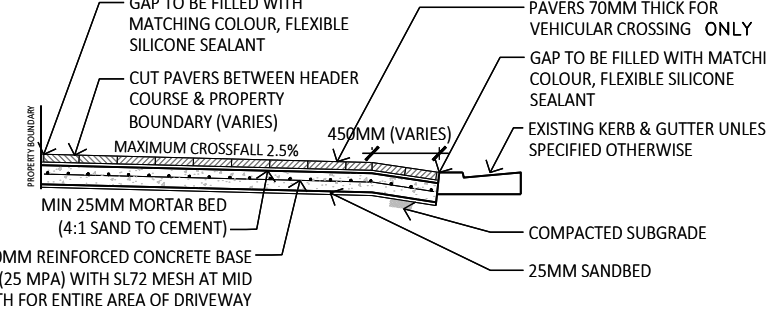
02 PAVING PATTERN G - TYPICAL CROSS OVER (DRIVEWAY) LAYOUT

Scale 1:50



03 PAVING PATTERN G - TYPICAL DETAIL

Scale 1:50

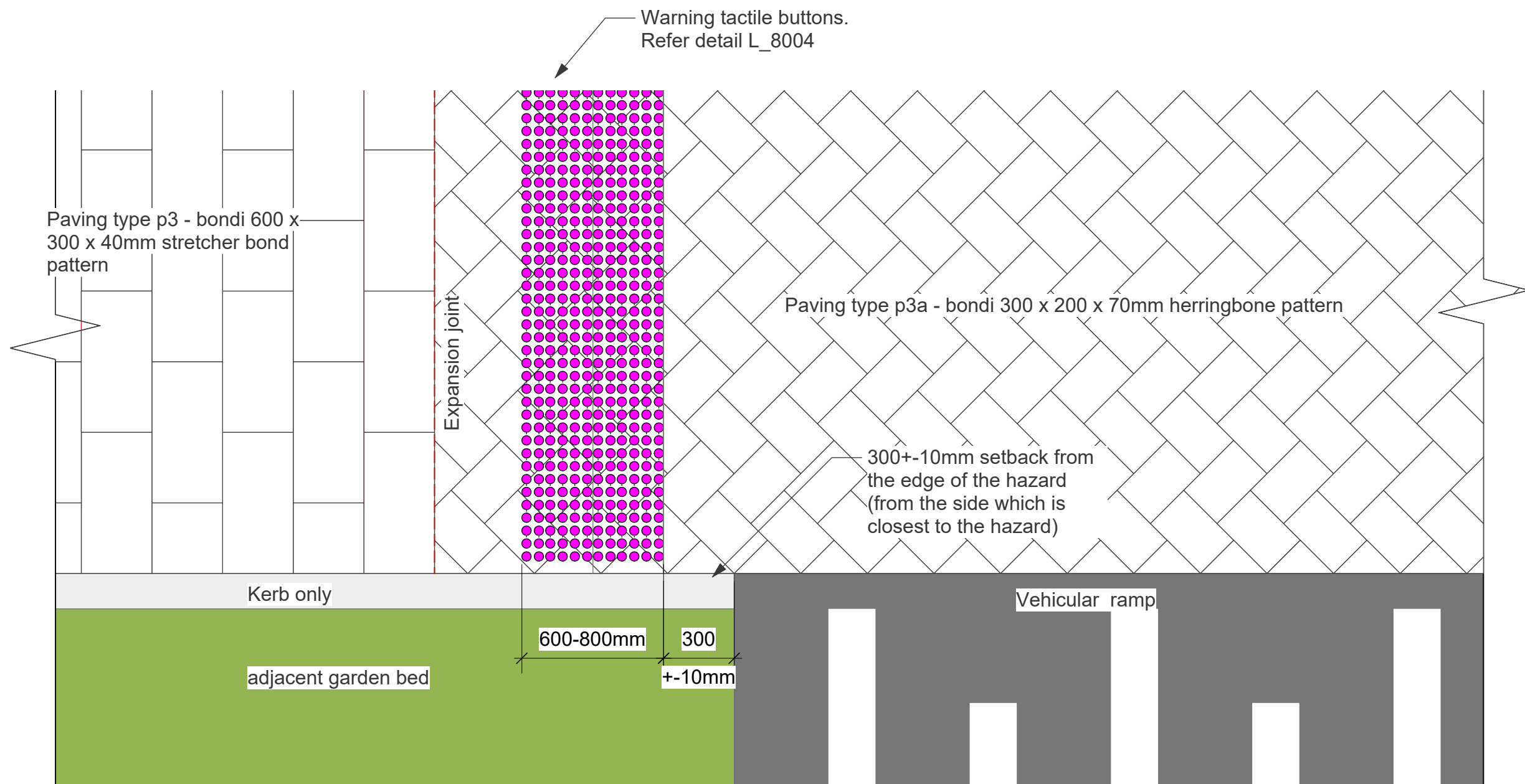


Note:

- Refer the Tactile Ground Surface Indicators' section for TGSi application

04 PAVING PATTERN G - TYPICAL CROSSOVER DETAIL

Scale 1:50



- Note:
- Setout such that full and half pavers sit along edge of ramp. Avoid small cuts.
 - For section detail refer Paving Pattern G - Typical crossover detail.

PAVING TYPE P3a- BONDI '2535' 200x300mm HERRINGBONE AT PEDESTRIAN PRIORITY CROSSINGS

Scale: 1:20

B.05

Service Pit Lid Infill

Function

- Reduce the intrusion of service covers in the pavement as far as possible by infill paving surfaces of larger covers to match surrounding paving, and by minimising or avoiding concrete surrounds to covers.

Product

- Recessed pit lids in cast aluminium, paving to match set into lid. Paving pattern within the lid to match that surrounding.
- Single and multi-part access covers with heavy gauge steel frames and other suitable service cover infill lids as required and specified by the various authorities. Seek further advice from relevant service authority.

Materials and Dimensions

- Service pit lid infill to match surrounding paver type

Installation

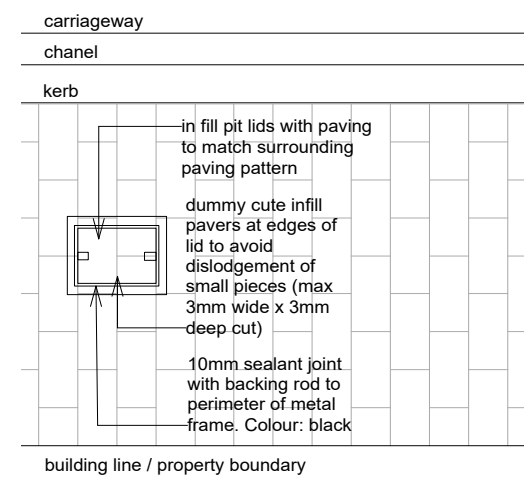
- The provision of services has the potential for impact on the quality of streetscape, through the location and materiality of service covers and the provision of overhead services. Consideration of service provision is essential in the design of the street.
- Liaise with service authorities to determine future service requirements over whole blocks
- Consider undergrounding of overhead wires as part of streetscape upgrades
- Use infill pit lids for all services including electrical and Telstra pits, to allow continuity of paving. Liaise with service authorities for their requirements.
- Use lids and frames that allow for paving to finish flush with frames.
- Pit lids and grates covers are to be flush with the surrounding surface. Openings in the surface of pathways such as grates are proposed to be no greater than 13mm to meet AS 1428.1 Clause 7
- Ensure pit lids and grates are aligned with the surrounding paving pattern. Infill paving pattern to merge and match with surrounding paving pattern.

Maintenance

- under review

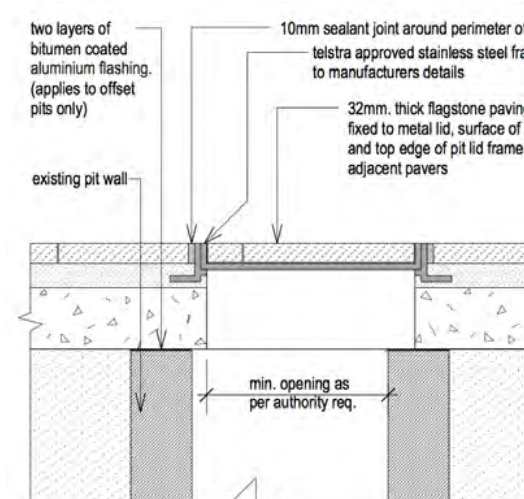


Service pit infill Bondi Junction



01 TYPICAL PIT LID LAYOUT

Scale 1:50



02 TYPICAL PIT LID DETAIL

Scale 1:10

Footpaths & Crossings Service Pit Lid Infill

I.02

New Street Tree - Urban

Function

- Porous resin aggregate to be used throughout Bondi Junction, all Local and Strategic Centres, parks and open spaces (when applicable) around new trees to contribute to the quality and character of the streetscape.
- 400 L Trees to be used for Bondi Junction
- 200 L trees to be used for local centres
- The use of continuous planting trenches, structural soil, structural cells, WSUD components, suspended pavements and other tree planting technology will be considered based on specific site conditions. Actual designs shall be developed and submitted to Council based on these technical details for consideration prior to any installation.

Supplier

- Contractor to nominate based on below specifications.

Materials and Dimensions

- 400 L Trees as specified for Bondi Junction
- 200 L Trees as specified for all other local centres
- All planting and soils shall be in accordance with AS 2303:2015 - Tree Stock for Landscape Use, AS 4419—2003 - Soils for Landscaping and Garden Use, AS 4454-2003 Compost Soil Conditioners and Mulches, and AS 4373-2007 Pruning of Amenity Trees
- Tree saplings shall be well-formed, healthy, hardened off stock where possible with a sturdy root system and not root bound.
- Plants shall be free of weeds, insect pests, disease or physical injury.
- Plants delivered to site must be delivered or transported in a covered (pantech) vehicle, prior to installation, to avoid wind burn.
- Delivered plants should be maintained until planted and clearly labelled.
- Porous Resin Aggregate as specified and approved

Installation

- Approved porous resin aggregate to replace existing stone set pits.
- Porous resin aggregate surrounds to be premixed, finished smooth, and level to adjacent surfaces and to a nominated depth and distance away the trunk of the tree.
- Aggregate shall be pea gravel mulch sieved to 7mm and an inert binder.
- Typical new tree porous resin aggregate tree surround 1200 x 1200 mm or sized to suit the size of paving units in the dominant surrounding paving to avoid cuts in case of a varied pit size.
- For light washed concrete and other concrete paths



Typical Layout - Tree Surround

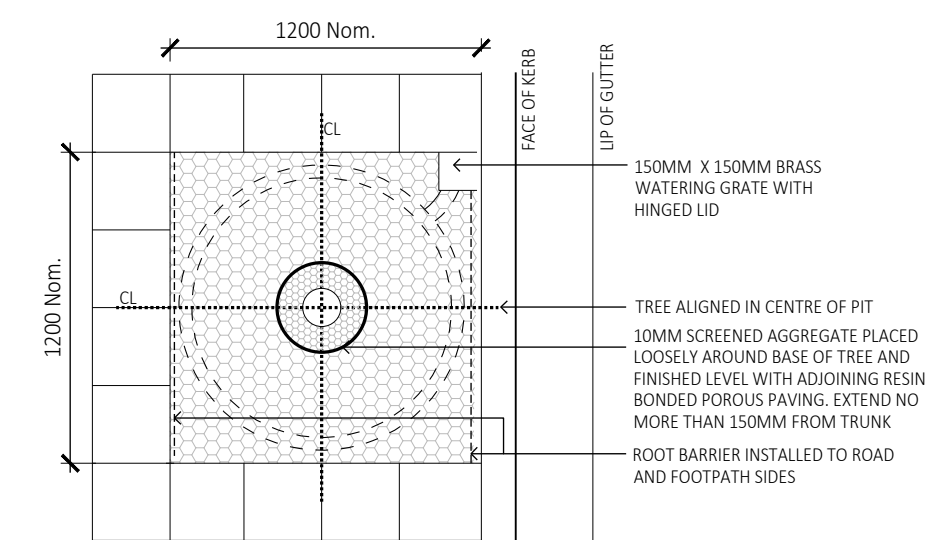
colour type 1 (pyramid hill grey) to be used. Refer detailed specifications for colours

- For paved areas with paving types, 1, 2 and 3, resin aggregate colour type 2 (dark Grey) to be used.
- The porous resin aggregate should not be used as a continuous footpath treatment.
- Resin aggregate to be positioned accordingly if the tree pit size is different based on instructions.
- Ensure settlement of tree prior to installation of the resin aggregate.
- Because of the presence of awnings or for streets with minimum width (less than 2.5 metres) butt the resin aggregate to back of kerb.
- For streets that are wider than 2.5-3m allow 300mm header.
- Align street furniture such as bins and bike racks to the centre of the tree pit where applicable.

Maintenance

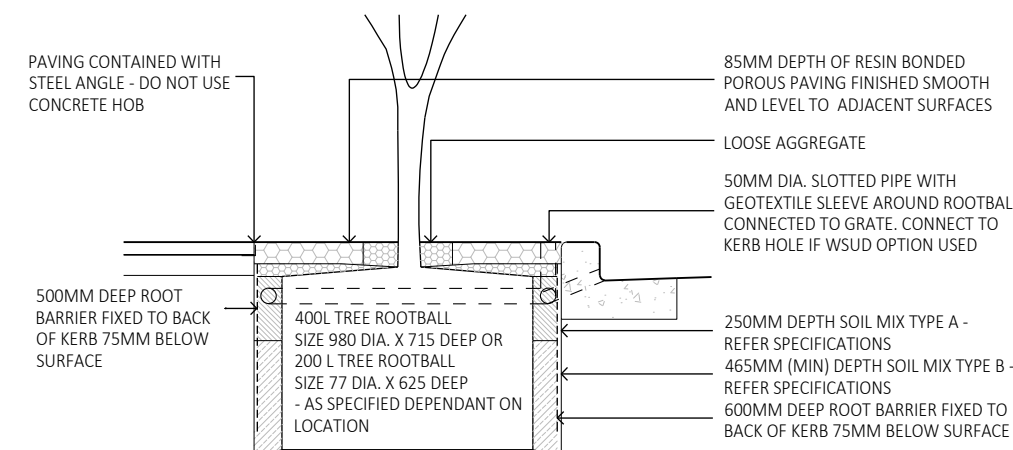
- Throughout the planting establishment period, carry out maintenance work including watering, rubbish removal, fertilising, pest and disease control, staking and tying, replanting if required, and keeping the site neat and tidy.
- On-going maintenance may include: Replacement of any damaged or inferior plants, watering, pruning, replenishment and restoration of mulch.
- The porous resin aggregate to be maintained to manufacturer's specifications

Planting New Street Tree - Urban



001 NEW STREET TREE WITH POROUS RESIN AGGREGATE - PLAN

Scale 1:25



002 NEW STREET TREE WITH POROUS RESIN AGGREGATE - DETAIL

Scale 1:25

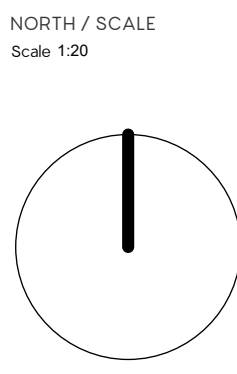
NOTE:

- TREE PIT SURROUND TO BE SIZED TO ALLOW 300MM X 300MM UNIT PAVING TRIM WITHOUT CUTTING PAVERS
- STRUCTURAL TREE CELLS TO BE USED IN CONJUNCTION WITH THESE TREE PITS WHEREVER POSSIBLE
- WSUD OPTION: SHALL BE INSTALLED IN SANDY SOIL ONLY AS DIRECTED BY THE COUNCIL

SHEET IN COLOUR - PRINT ALL COPIES IN COLOUR

Note: All dimensions subject to on site verification prior to execution. Figured dimensions shall be taken in preference to scaling. Drawings made to larger scales and those showing particular parts of the works shall take precedence over drawings made to smaller scale and those for general purposes. All work is to conform to relevant Australian Standards and other codes as applicable together with other authorities requirements and regulations. Design drawings by other disciplines have been included for coordination only. All rights reserved. COPYRIGHT of 33 Parallel Landscape Architects. May not be reproduced without permission

ISSUE	DESCRIPTION	BY	APP'D	DATE
A	75% DETAILED DESIGN	DM	DM	09/01/2023
B	Pre Tender	DM	DM	7/05/2023
C	Tender	DM	DM	22/05/2023
D	Updated Tender Issue	DM	DM	7/06/2023
E	Issue for Construction	DM	DM	16/07/2023
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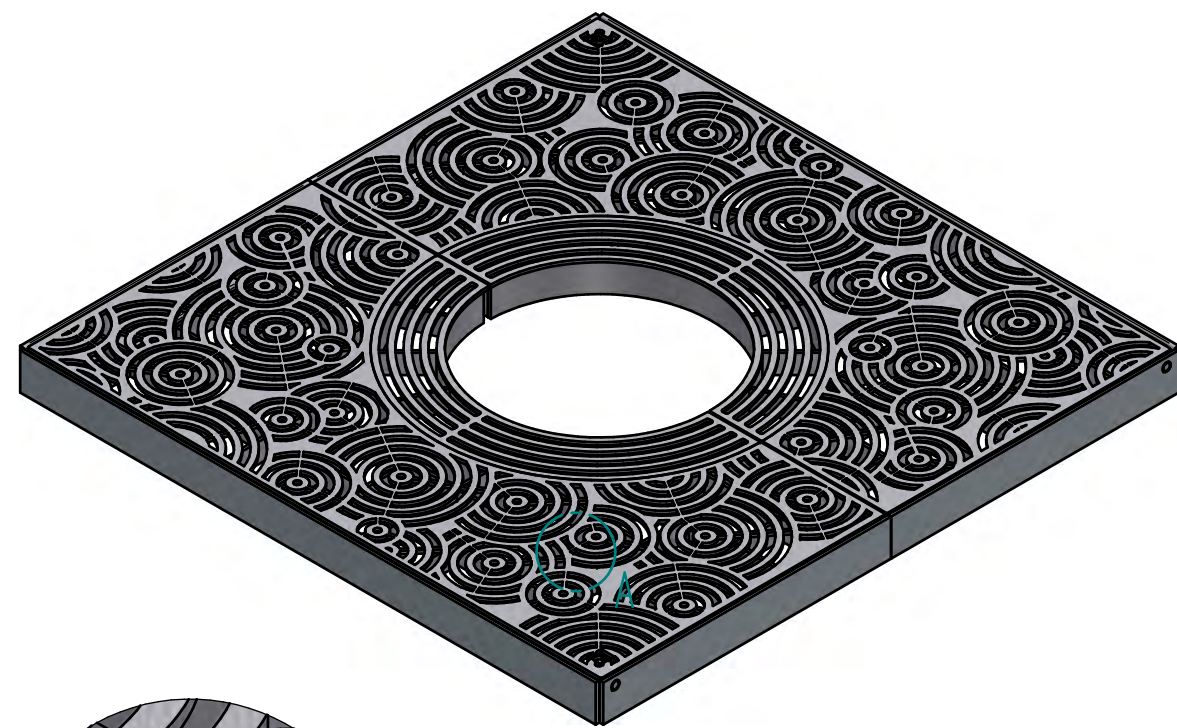
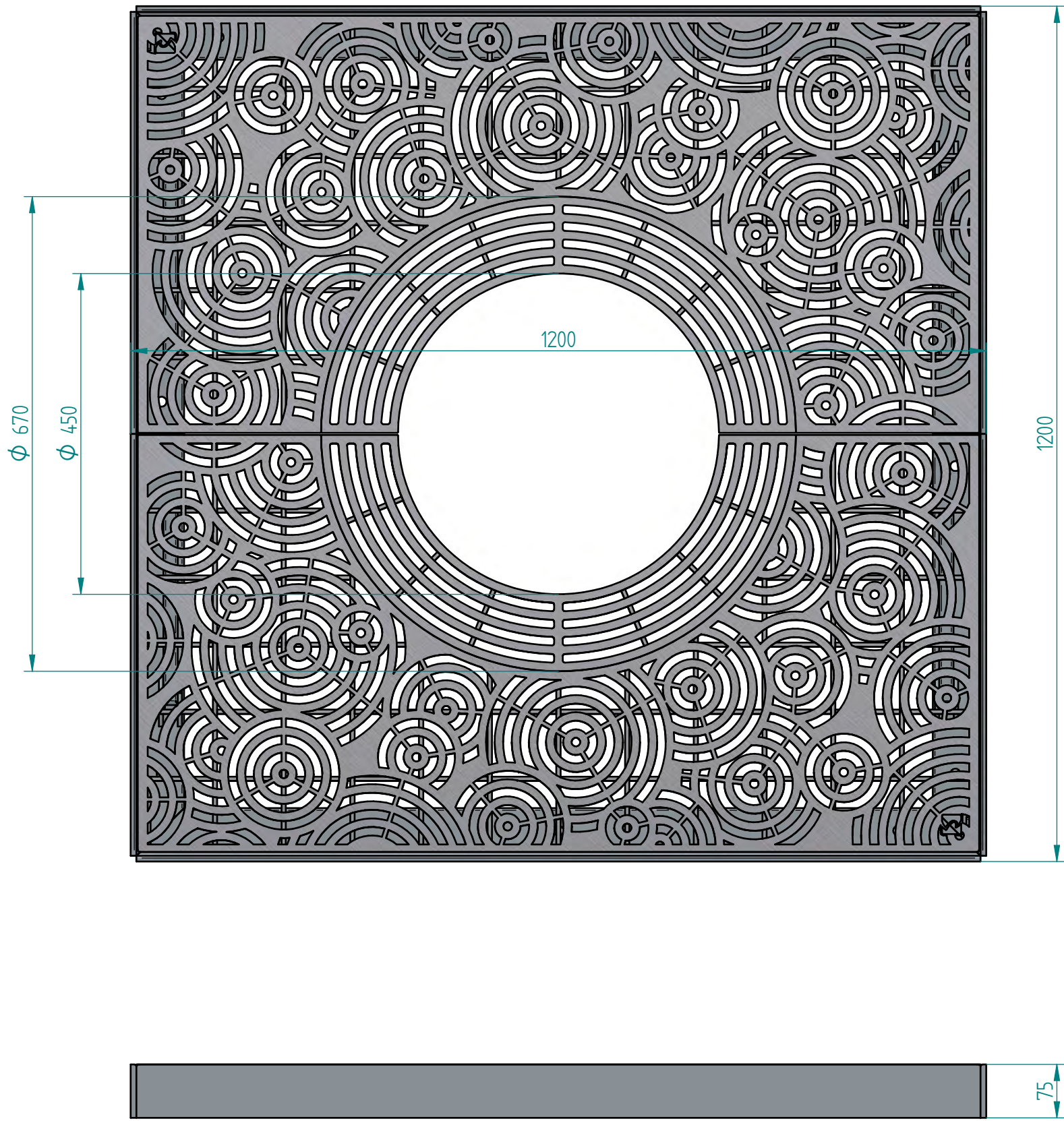


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CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL
PROJECT
WAVERLEY STREETSCAPES
CURLEWIS STREET STREETSCAPE
UPGRADE

DRAWING TITLE	DETAILS – HARDSCAPE–PAVING
CREATED	16/07/2023
DATE	DM
CHECKED	DM
PROJECT STAGE	IFC
SHEET SIZE	ISO A1
PROJECT NUMBER	2050
DRAWING NUMBER	L_8004
ISSUE	E

NOT FOR CONSTRUCTION



DETAIL A

- 1200mm Square Tree Grate
- 450 Diameter Hole for Tree with Removable Section to Extend Hole to 670 Diameter
- Hinged Halves for Easy Maintenance Access
- Safety Latched to Prevent Grate Halves from Unintentionally Closing when Opened
- Grate to have Engineered Weight Limit of 2 Tonnes
- 6mm 316 Marine Grade Stainless Steel Plate to Grate with Electro Polish Finish
- In-Ground Frame Made in Two Parts
- In-Ground Frame to be Hot Dip Galvanized with Bolt Down Configuration
- All Fixings to be 316 Stainless Steel
- Integrated Waverley Council Logo

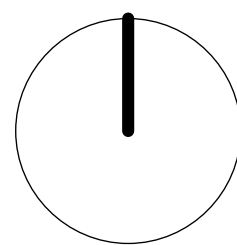
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ENG APPR		
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES °XXX' 2 PL #XXX 3 PL #XXXX		
		
TITLE Waverley Council - Ripple Tree Grate		
SIZE	ENG NO.	REV
A2	357-Asm-1011	E
FILE NAME: 357-Asm-101.dft		
SCALE	SHEET 1 OF 2	

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ISSUE	DESCRIPTION	BY	APP'D	DATE
A	Tender		DM	22/05/2023
B	Updated Tender Issue		DM	7/06/2023
C	Issue for Construction		DM	16/07/2023

NORTH / SCALE
Scale 1:20



LANDSCAPE ARCHITECT / URBAN DESIGNERS



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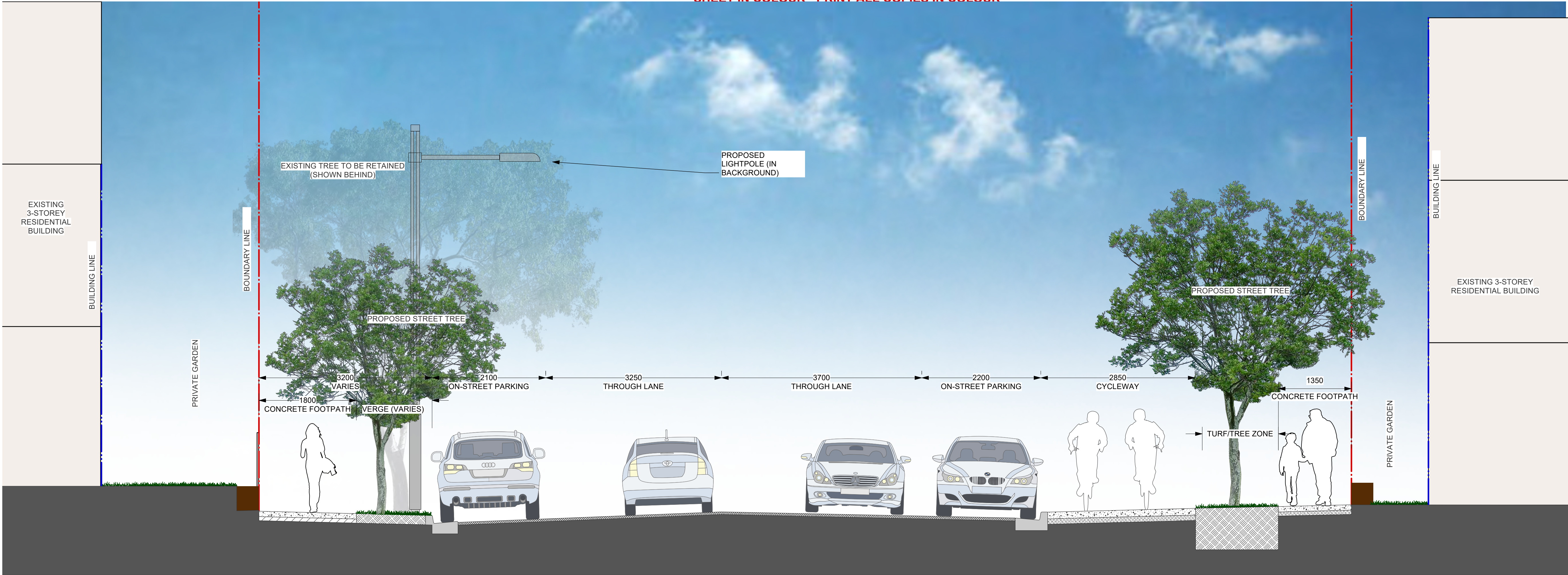
CLIENT NAME
NORTHROP FOR WAVERLEY COUNCIL

PROJECT
WAVERLEY STREETSCAPES
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UPGRADE

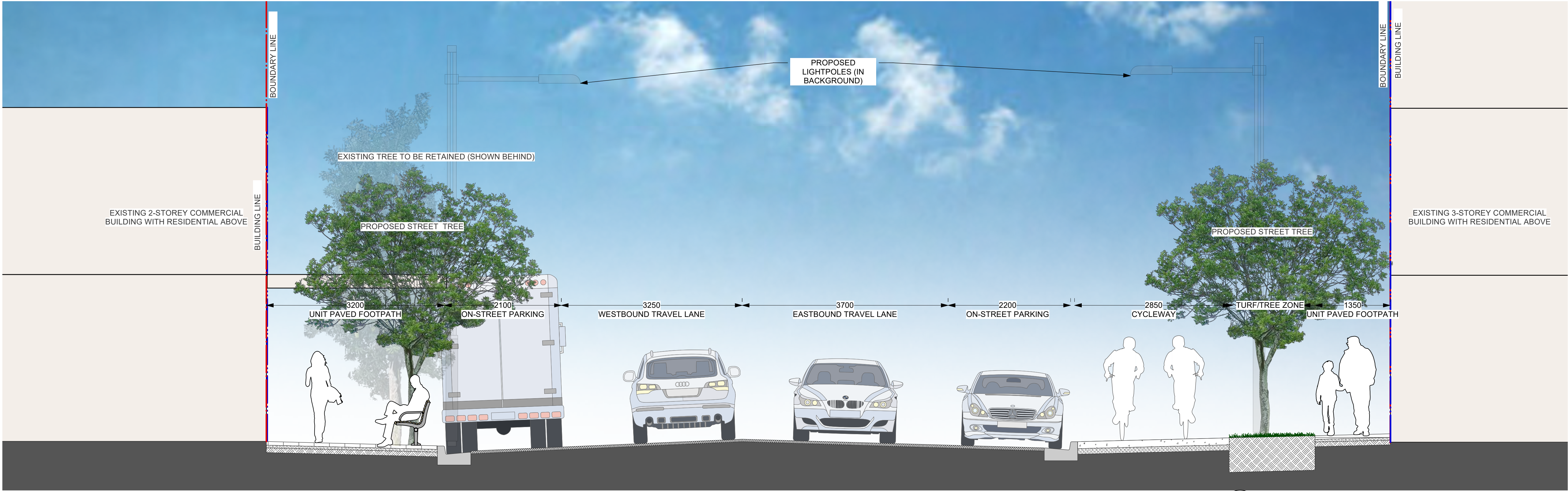
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DETAILS - HARDSCAPE-PAVING

CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
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PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_8006	C		

NOT FOR CONSTRUCTION



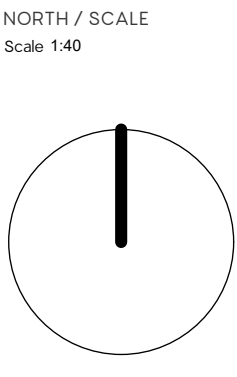
1 Curlew Street Residential Area - Typical section
Scale: 1:40



2 Curlew Street Commercial Area - Typical section
Scale: 1:40

NOT FOR CONSTRUCTION

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DRAWING TITLE LANDSCAPE SECTIONS				
CREATED	DATE	CHECKED	PROJECT STAGE	SHEET SIZE
16/07/2023		DM	IFC	ISO A1
PROJECT NUMBER	DRAWING NUMBER	ISSUE		
2050	L_5001	D		