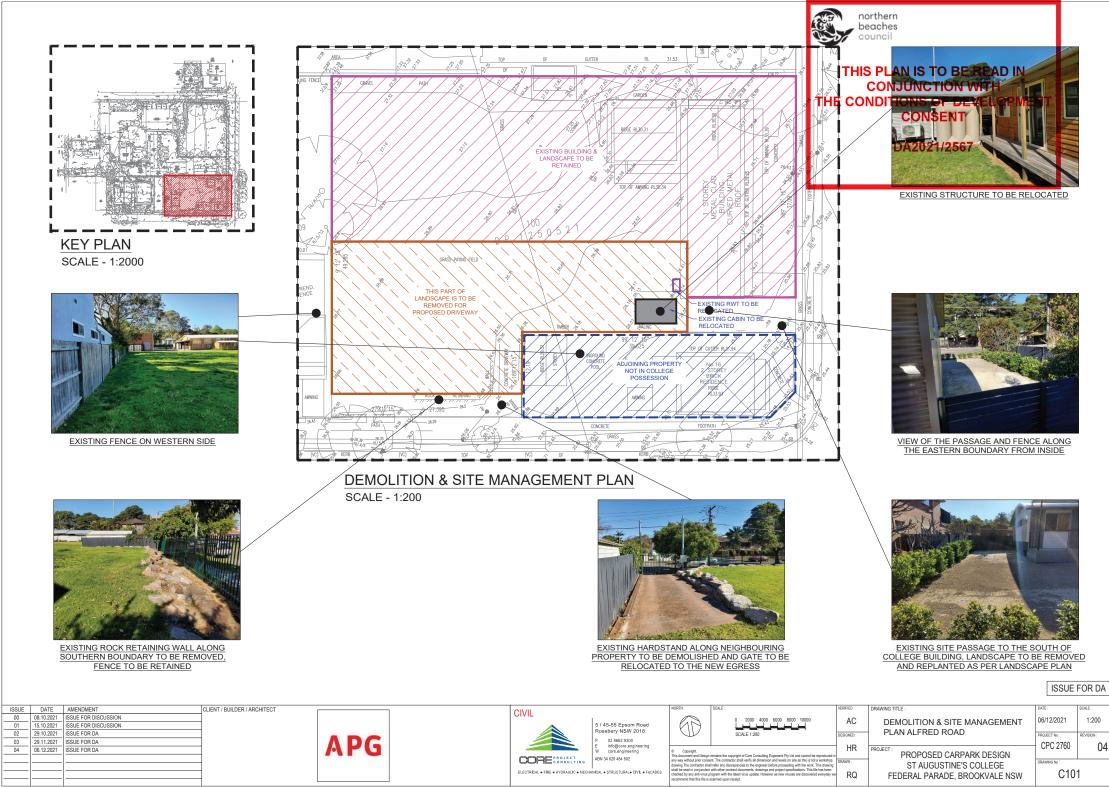


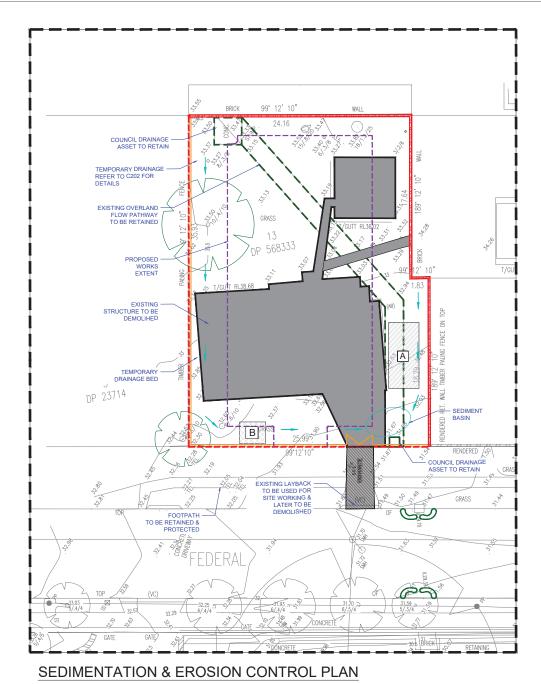
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04



21 with CADISATC COLLEGE - SWMP - 06-12-2021.dwg Cad File No: C:ICorelSA



ISSUE DATE

15.10.2021

06.12.2021

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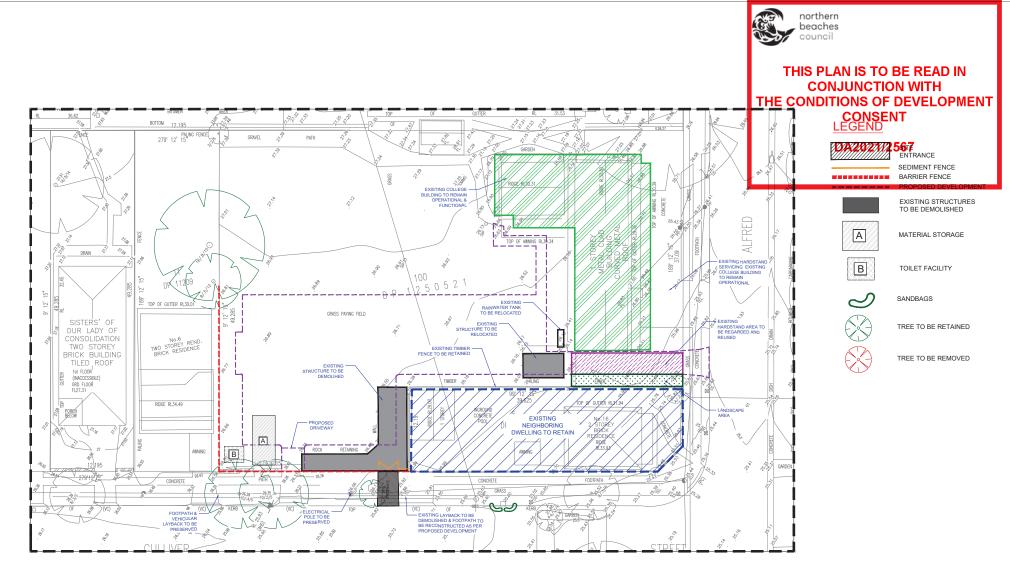
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SCALE - 1:150 ISSUE FOR DA DRAWING TITLE AMENDMENT CLIENT / BUILDER / ARCHITECT CIVIL 00 08.10.2021 ISSUE FOR DISCUSSION AC 06/12/2021 1:150 () SEC PLAN & DETAILS 5 / 45-55 Epsom Road Rosebery NSW 2018 ISSUE FOR DISCUSSION 29.10.2021 ISSUE FOR DA DESIGNED : **60 FEDERAL PARADE** PROJECT No SCALE 1:150 APG 02 8662 9300 29.11.2021 ISSUE FOR DA CPC 2760 info@core.engineering core.engineering 04 HR ISSUE FOR DA PROJECT B Comprise. This document and Design emains the copyright of Core Consulting Engineers Py Lid and cannot be reproduced my way without prior concert. The construct shall verify all dimension and levels on the as this is not a workhow that the second state of the contract documents, desaming and project specifications. This is the as half be easily and uncertainties of the contract documents, desaming and project specifications. This is then as half be easily and uncertainties of the contract documents, desaming and project specifications. This is then as half be easily and with other programs with the lister with usual data. Noteware are visuas are document every specifications. This is the specification of the contract documents of the specification of PROPOSED CARPARK DESIGN CORECONSULTING ABN 34 620 484 602 ST AUGUSTINE'S COLLEGE ELECTRICAL • FIRE • HYDRAULIC • MECHANICAL • STRUCTURAL• CIVIL • FACADES C200 RQ FEDERAL PARADE, BROOKVALE NSW mmend that this file is scanned upon receipt.

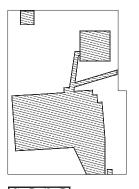


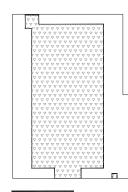
SEDIMENTATION & EROSION CONTROL PLAN

SCALE - 1:200



ISSUE FOR DA





SITE AREA

IMPERVIOUS AREA

PERVIOUS AREA

PRE DEVELOPMENT PAVED AREA

POST DEVELOPMENT PAVED AREA

901.53 m² (AS PER CAD)

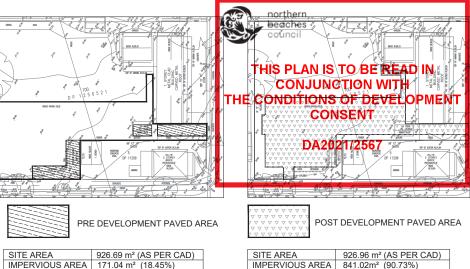
515.18m² (57.14%)

386.35 m² (42.86%)

SITE AREA	901.53 m ² (AS PER CAD)
IMPERVIOUS AREA	342.52 m ² (37.99%)
PERVIOUS AREA	559.01 m ² (62.01%)

CATCHMENTS ANALYSIS

AS PER CATCHMENT ANALYSIS OF PRE AND POST DEVELOPMENT IT IS EVALUATED THAT THERE IS 19.15% INCREASE IN THE IMPERVIOUS AREA. THE SITE HAS A EXISTING DWELLING WITH AN OUTBUILDING WHICH WILL BE DEMOLISHED. DUE TO THIS INCREASE IN IMPERVIOUS AREA STORMWATER MANAGEMENT IS PROPOSED IN ACCORDANCE WITH COUNCIL DCP.



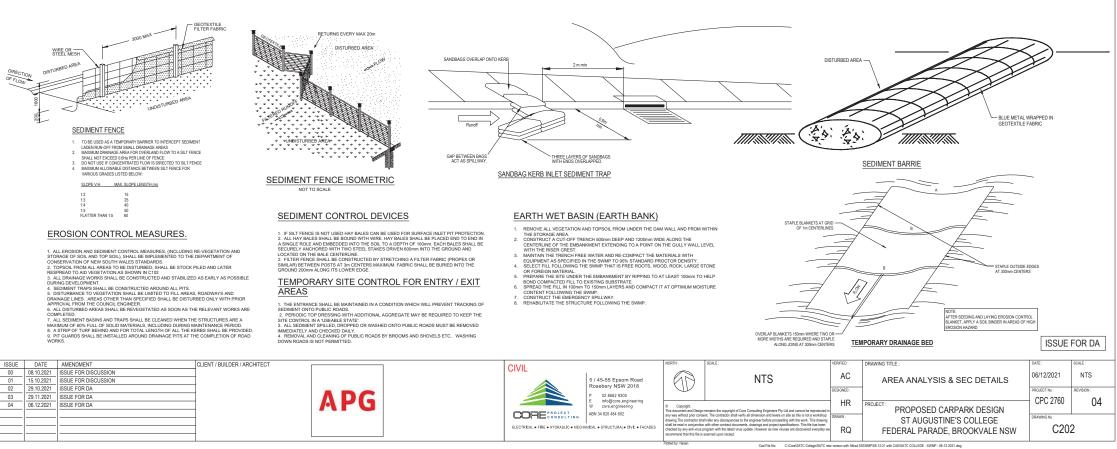
R CAD)	SITE AREA	926.96 m ² (AS PER
%)	IMPERVIOUS AREA	841.02m ² (90.73%)
6)	PERVIOUS AREA	85.94 m² (09.27%)

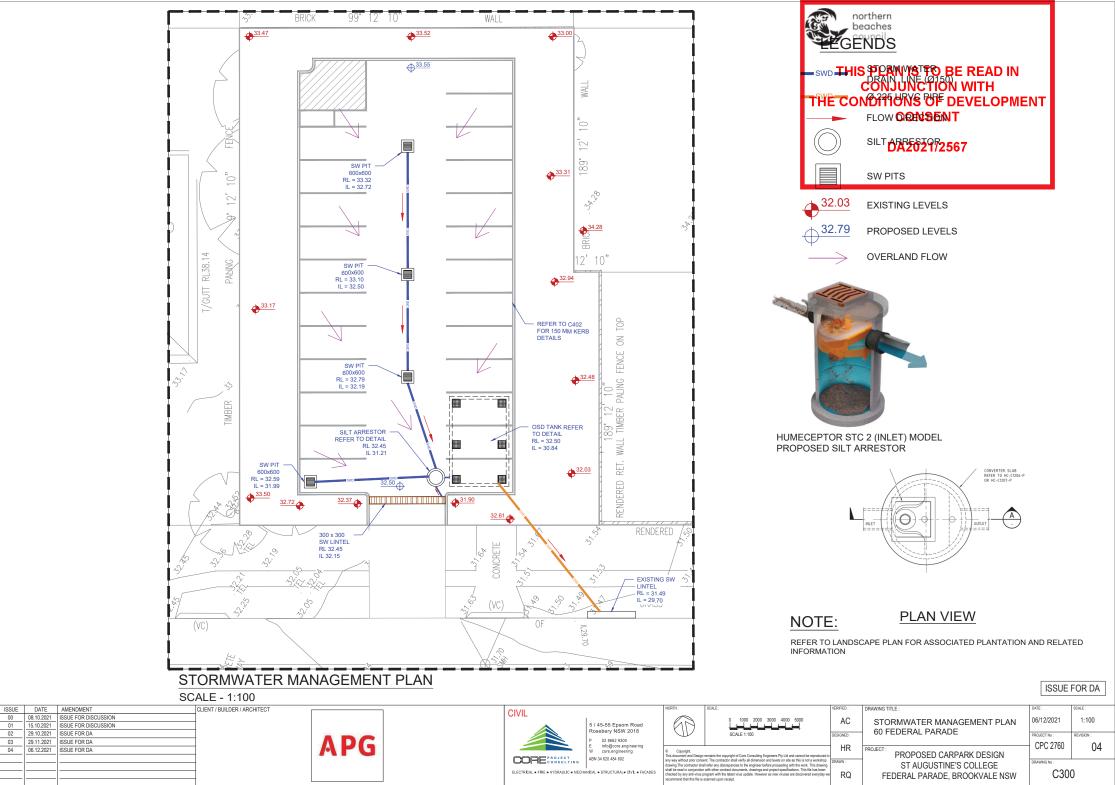
CATCHMENTS ANALYSIS

755.65 m² (81.55%

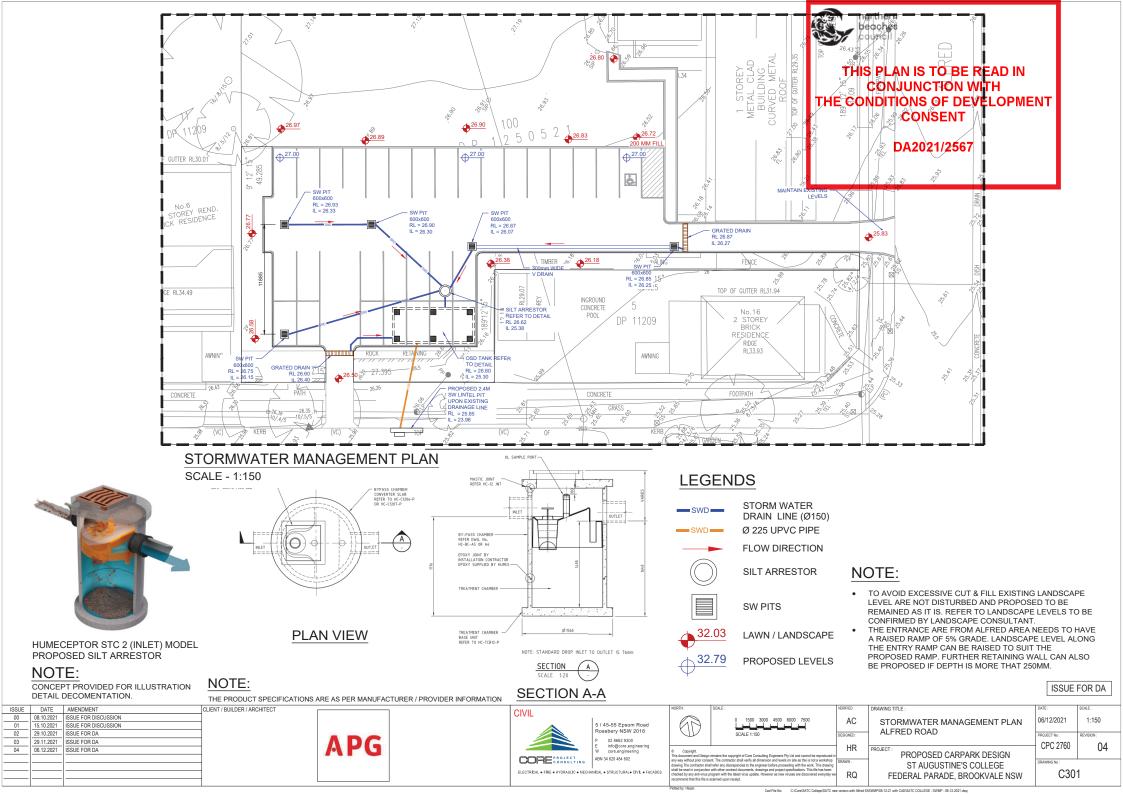
PERVIOUS AREA

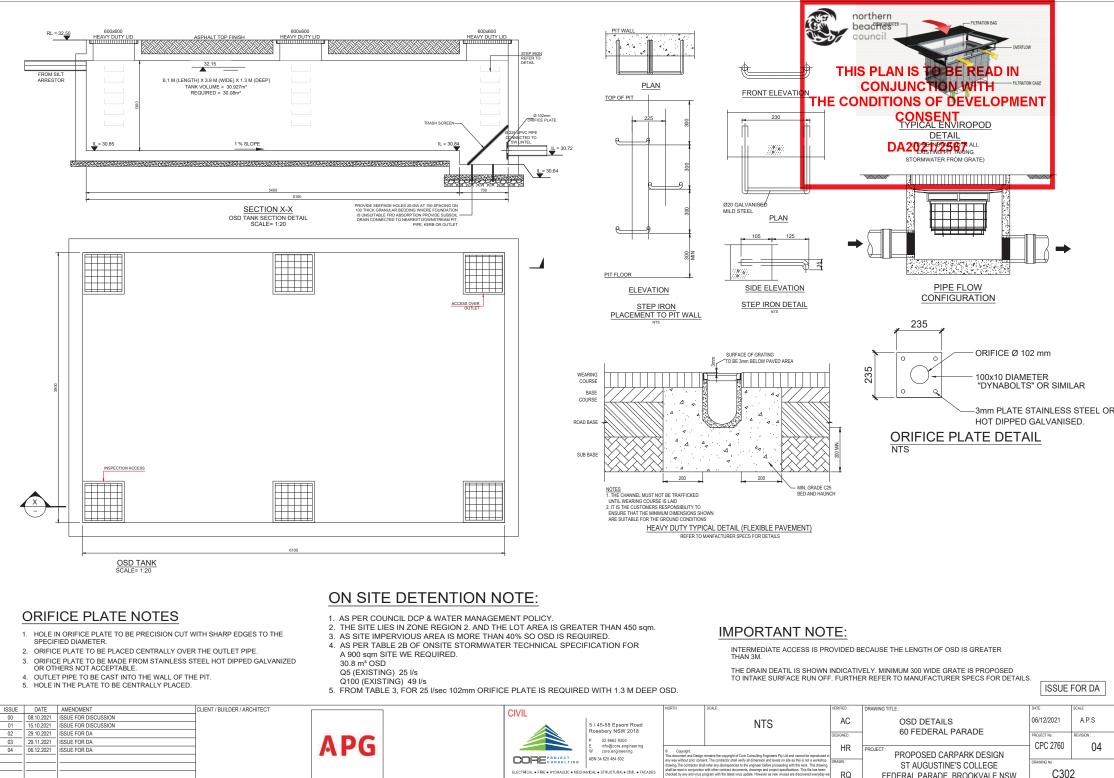
AS PER CATCHMENT ANALYSIS OF PRE AND POST DEVELOPMENT IT IS EVALUATED THAT THERE IS 72,28% INCREASE IN THE IMPERVIOUS AREA. BEFORE DEVELOPMENT THE MAJORITY OF THE AREA WAS A PART OF LANDSCAPE AREA. DUE TO THIS INCREASE IN IMPERVIOUS AREA STORMWATER MANAGEMENT IS PROPOSED IN ACCORDANCE WITH COUNCIL DCP.





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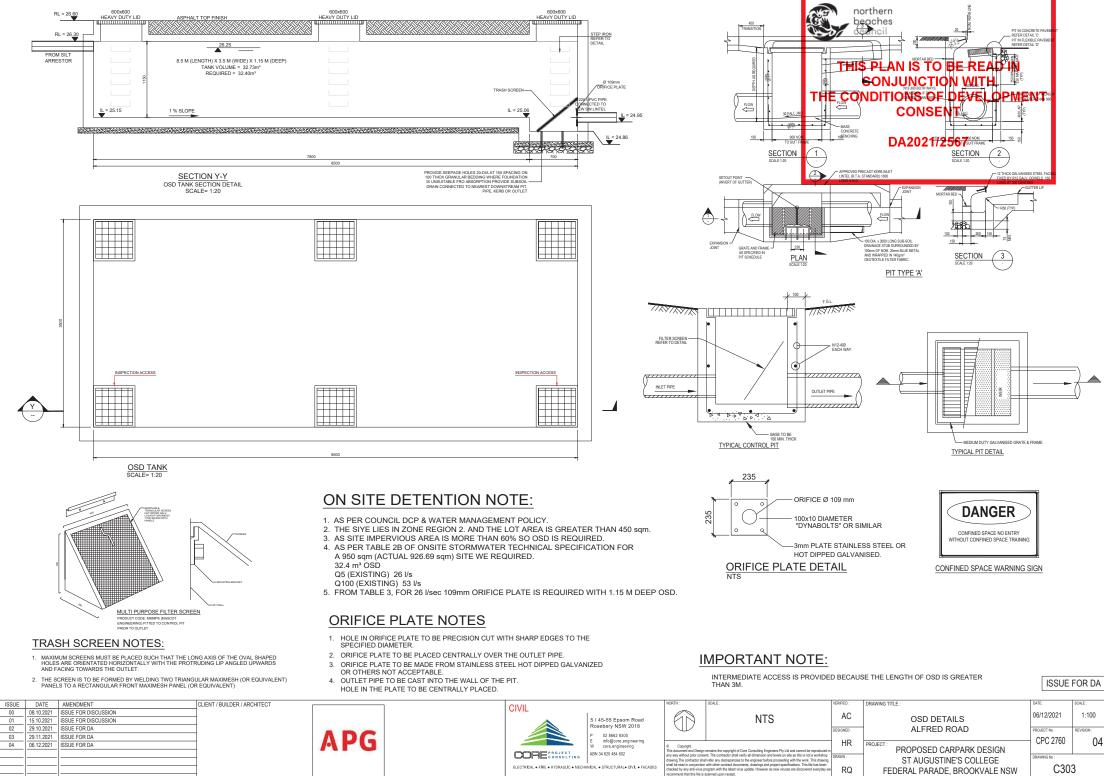
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FEDERAL PARADE, BROOKVALE NSW

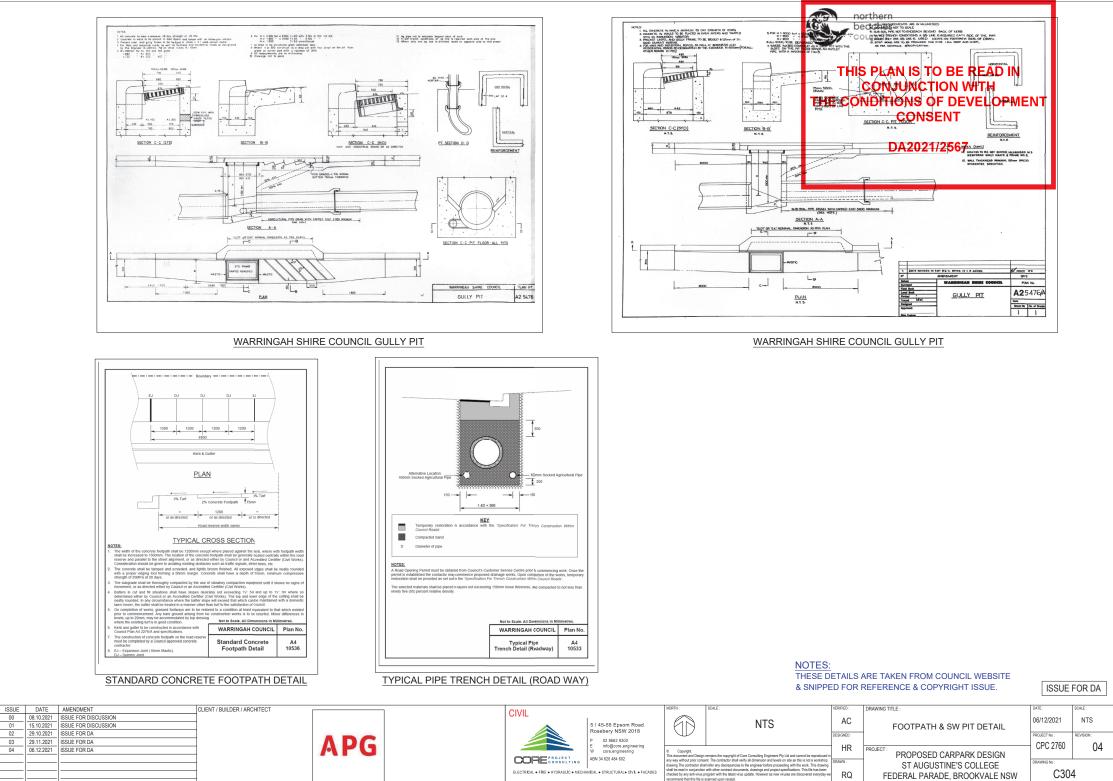
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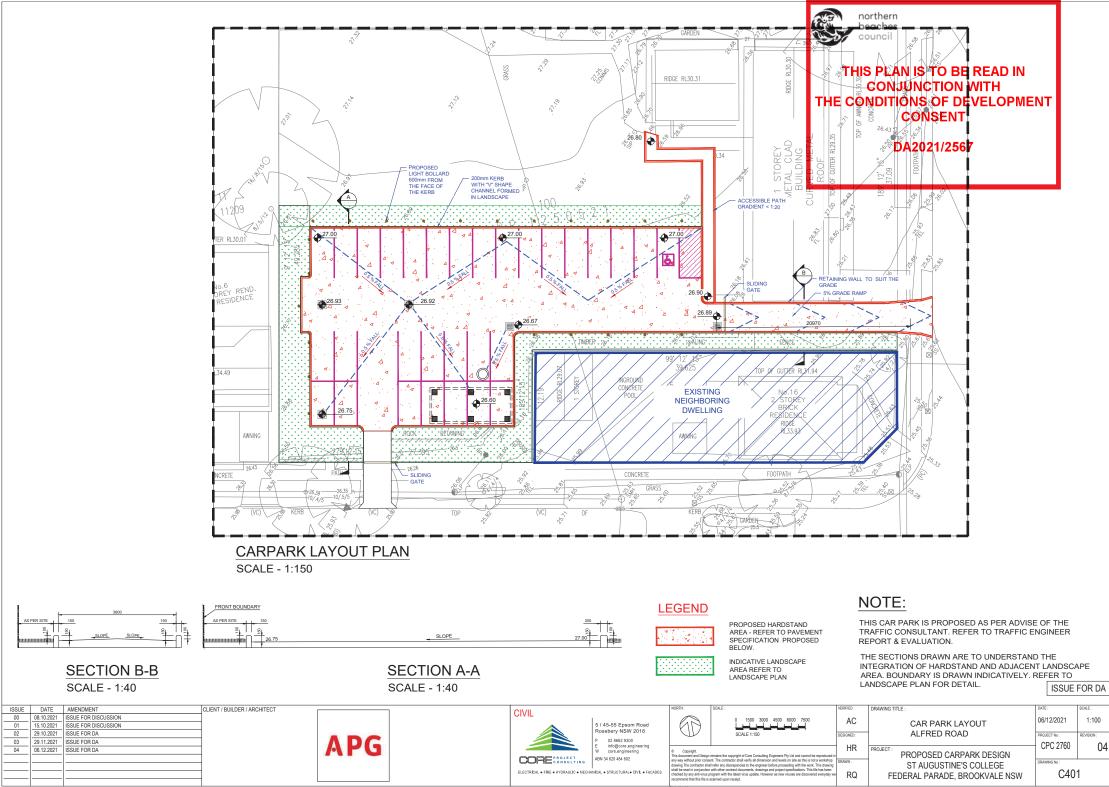
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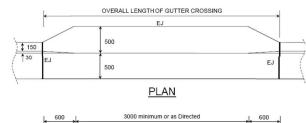
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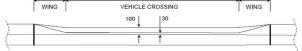
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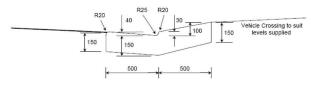
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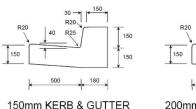
FRONT ELEVATION

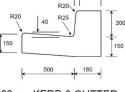


TYPICAL CROSS SECTION

NOTES:

- 1. Lavback and gutter shall be poured in PLAIN CONCRETE and finished with a steel trowel. Minimum compressive strength of concrete shall be 25MPa at 28 days. Industrial/commercial properties shall increase the depth of concrete to 180mm and provide SL82 mesh with 30mm top cover.
- 2. The subgrade shall be thcroughly compacted by the use of vibratory compaction equipment until it shows no signs of movement, or as directed by Council
- 3. Vehicle crossing to be constructed in accordance with levels and specifications issued by Council.
- 4. Kerbing to be constructed in accordance with Council Plan A4 2276/A and specifications.
- 5. Where Council or an Accredited Certifler (Civil Woks) directs that the gutter be retained, the contractor shall place a 75mm deep saw cut in the gutter invert and remove kerb and/or layback.
- 6. Where Council or an Accredited Certifier (Civil Woks) directs that the gutter be removed, a Road Opening Permit must be obtained from Council's Customer Service Centre prior to commencing work. Once the permit is established the contactor may commence vehicle crossing works. Upon completion of the works, temporary restoration shall be provided as set out in the 'Specification Not to Scale, All Dimensions in Millimetres. For Trench Construction Within Council Roads'
- 7. The construction of all vehicle crossings and associated works on the road reserve must be completed by a Council approved concrete contractor.
- EJ Expansion Joint 10mm Mastic. R - Radius
- THIS DRAWING & DETAILS ARE TAKEN FORM COUNCIL DRAWING No. A4 2276/B





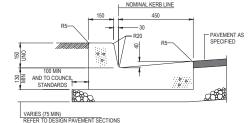
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200mm KERB & GUTTER

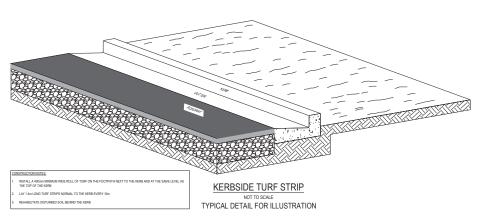
NOTES:

- 1. Kerb and gutter shall be soured in PLAIN CONCRETE and finished with a steel trowel. Minimum compressive strength of concrete shall be 25MPa at 28 days.
- 2. The subgrade shall be thoroughly compacted by the use of vibratory compaction equipment until it shows no signs of movement, or as directed by Council.
- Where Council or an Accredited Certifier (Civil Woks) directs that the gutter be retained, the contractor shall place a 75mm deep saw cut in the gutter invert and remove kerb and/or layback.
- Where Council or an Accredited Certifier (Civil Woks) directs that the gutter be removed, a Road Opening Permit 4 must be obtained from Council's Customer Service Centre prior to commencing work. Once the permit is established the contactor may commence vehicle crossing works. Upon completion of the works, temporary restoration shall be provided as set out in the 'Specification For Trench Construction Within Council Roads'.
- The construction of all vehicle crossings and
- associated works on the road reserve must be completed by a Council approved concrete contractor.

THIS DRAWING & DETAILS ARE TAKEN FORM COUNCIL DRAWING No. A4 2276/A







northern beaches

HALL BE ALIGNED TRUE TO GRADE AND WITH OUT IRREGULARITIES. THE TOLERANCE SHALL BE ±15mm PROVIDED THAT VARIATIONS IN LEVELS ARE NOT LOCAL AND ORE OVER LENGTH OF METERS OR MORE.

FORMS SHALL BE ACTORN OF A THE INTERNATION OF A CONCRET AND SHALL BE ADEQUATELY BRACED. THE INNER SURFACE OF FORMS SHALL BE ADEQUATELY OILED T ENSURE THE NON-ADH CONTROL OF THE POINT OF THE EXPOSED

THE CONDITIONS OF DEVELOPMENT FORMWORK. THE USE OF STEEL PEGS FOR THE SUPPORT OF FORMWORK IS PROHIBITED.

READY MIXED CONCRETE SHALL CONFORM TO THE PROVISIONS OF AS 1379 - 2007 " READY MIXED CONCRETE" DA2021/2567

THE MINIMUM COMPRESSIVE STRENGTH Fc OF THE CONCRETE SHALL BE 25 MPa AT 28 DAYS IN ACCORDANCE WITH AS 3600 - 2009 " CONCRETE STRUCTURES"

JOINTS

MATERIALS

KERB AND GUTTER SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 6m

FOR MACHINE PLACED KERB AND GUTTER, EXPANSION JOINTS 6mm THICK SHALL BE PROVIDED AT INTERVALS OF 6m AND CONSTRUCTION JOINTS SHALL BE FORMED EVERY 3m FOR THE FULL DEPTH OF THE KERB AND GUTTER

JOINTS ARE ALSO REQUIRED WHERE THE GUTTER ABUTS GULLY PITS AND GUTTER CROSSINGS. EXPANSION JOINTS SHALL CONSIST OF PERFORMED JOINTING MATERIAL BITUMINOUS FIBERBOARD.

TOLERANCE

TOLERANCE ON THE LEVEL OF KERB AND GUTTER CONSTRUCTION BOTH HORIZONTAL AND VERTICAL SHALL BE PLUS OR MINUS 10mm.

KERB AND GUTTER

THECONSTRUCTION OF CONCRETE KERB AND GUTTER IS TO BE IN ACCORDANCE WITH AS 2876 - 2000 " CONCRETE KERBS AND CHANNELS (GUTTERS) - MANUALLY OR MACHINE PLACED " UNLESS OTHERWISE INDICATED BELOW.

KERB AND GUTTER DETAIL

KERB AND GUTTER SHALL BE IN ACCORDANCE WITH COUNCIL DRAWING NUMBER A4 2267/A/

LEVELS

DESIGN PLAN ARE TO BE PREPARED BY THE APPLICANT AND APPROVED BY THE COUNCIL PRIOR TO CONSTRUCTION.

- GENERALLY THE FOLLOWING CRITERIA SHOULD MET PREPARING A DESIGN OF KERB AND GUTTER. A MINIMUM LONGITUDINAL GRADE OF 1% IS REQUIRED.
 THE CROSS FALL FROM THE EDGE OF THE EXISTING PAVEMENT SHOULD GENERALLY BE 3%.
- RECONSTRUCTION OF EXISTING KERB AND GUTTER MAY BE REQUIRED TO ENSURE THAT A SATISFACTORY CONNECTION IS PROVIDED.

PLACING CONCRETE

THE CONCRETE SHALL BE PLACED SO AS TO AVOID SEGREGATION AND SHALL BE ADEQUATELY COMPACTED. CARE SHALL BE TAKEN TO FILL EVERY PART OF THE FORMS AND TO WORK TO COARSER AGGREGATE BACK FROM THE FACE. EXPOSED SURFACES SHALL BE FINISHED WITH A STEEL FLOAT, AND CORNERS AND EDGES SHALL BE NEATLY ROUNDED WITH A NOISING TOOL. CONCRETE SHALL NOT BE DISTURBED AFTER IT HAS BEEN IN THE FORMS FOR TWENTY (20) MINUTES.

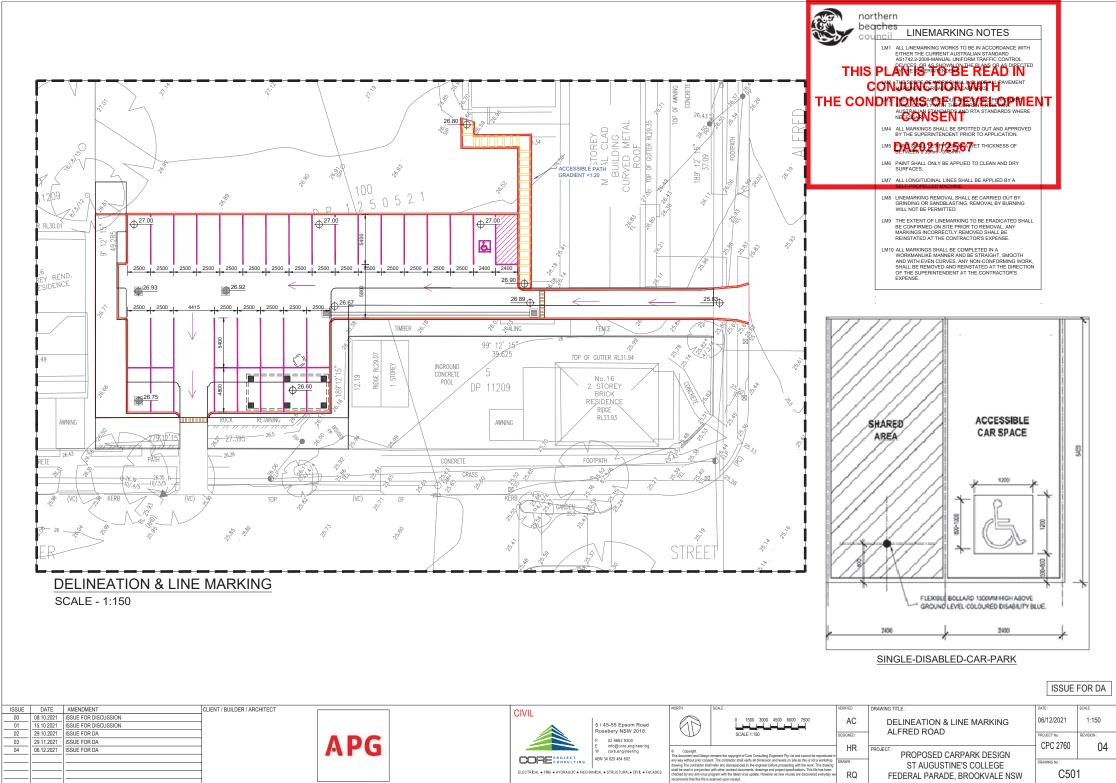
FINISH

AFTER REMOVAL OF THE FORMS, MINOR OR POROUS SECTIONS OR HOLES SHALL BE REPAIRED WITH A 3 TO 1 SAND AND CEMENT MORTAR MIX. THE EXPOSED SURFACES SHALL THEN BE RUBBED WITH A WOODEN FLOAT AND CLEAN WATER TO LEAVE THE SURFACES SMOOTH AND UNIFORM IN COLOR AND APPEARANCE

BACKFILLING

AFTER REMOVAL OF FORMWORK THE FOOTWAY BEHIND THE KERB SHALL BE NEATLY TRIMMED, FILLED AND OR TURFED TO MAKE A SMOOTH CONNECTION TO THE UNDISTURBED NATURE STRIP

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ISSUE	DATE	AMENDMENT	CLIENT / BUILDER / ARCHITECT		1	CIVIL		NORTH :	SCALE :	VERIFIED :	DRAWING TITLE :	DATE :	SCALE :
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		ISSUE FOR DISCUSSION					5 / 45-55 Epsom Road	I GA I	NTS	AC	STANDARD DETAIL CAR PARK	00/12/2021	1
02	29.10.2021	ISSUE FOR DA					Rosebery NSW 2018			DESIGNED :		PROJECT No :	REVISION :
03	29.11.2021	ISSUE FOR DA		ADG			P 02 8662 9300 E info@core.engineering					CPC 2760	04
04	06.12.2021	ISSUE FOR DA					W core engineering	© Copyright.		HR	PROJECT : PROPOSED CARPARK DESIGN	0102100	04
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									refer any discrepancies to the engineer before proceeding with the work. This drawing ith other contract documents, drawings and project specifications. This file has been	Dionini .	ST AUGUSTINE'S COLLEGE		-
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Cad File No:

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LEGEND

BOUNDARY

EXISTING SPOT LEVELS

PROPOSED SPOT LEVELS

EXTENT OF NEW WORKS

____ AE ____ AE ____ AE ____ ALUMINIUM EDGE

85.50

 $\oplus^{33.32}$

ACOUSTIC BARRIER

CONCRETE

ASPHALT

MULCH

TURF

TREE TO BE RETAINED

TREE TO BE REMOVED REFER TO ARBORIST REPORT

ACOUSTIC BARRIER / FENCE

The fencing along the northern and part of the eastern boundary of Federal Parade comprises a brick fence which is proposed to be repaired. The brickwork will also be increased in height to accord with the recommendations of the Acoustic Report.

Other boundary fencing will be required to be replaced with an acoustic barrier that satisfies the recommendations of the acoustic consultant. The front fence will comprise a metal palisade fence to match the existing fencing around the main College campus. A sliding gate will be provided at the front entry.

The proposed 1.8m high acoustic barriers to adjoining residential boundaries and impacts of the use of these areas as at-grade car parks have been assessed as being within acceptable limits.

The 1.8m high acoustic barriers will also provide privacy to the adjoining dwellings. Landscaping elements proposed will also assist with providing visual screening.

The acoustic barriers are to be minimum 1.8m in height and all gaps are to be minimised and are to comprise a material and constructed to have a minimum surface density of 16kg/m2 to be consistent with the Acoustic Report.

AMN. METAL ANN. SHED SHADECLOTH · . GRASS GRASS

LANDSCAPE DRAWING REGISTER

Rev. Date Issue

09/12/21 DA Issue 30/09/22 DA Issue 10/11/22 DA Issue

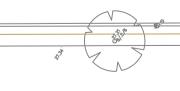
1 Preliminary Issue

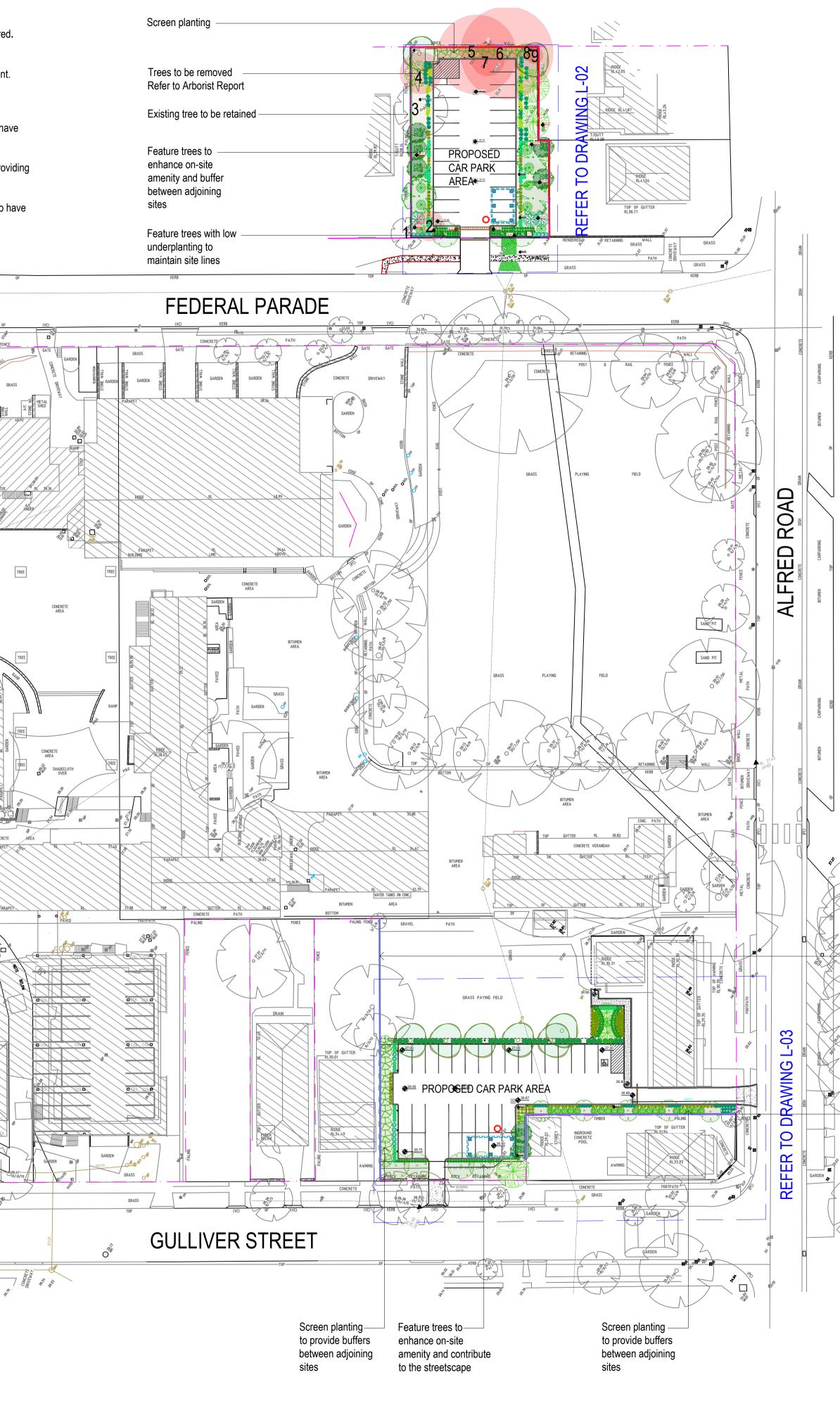
DRAWING NO. L-01 L-02 L-03 L-04 L-05

uny discrepancies should be immediately referred to Space Landscape Designs. Il work to comply with B.C.A. Statutory Authorities and relevant Australian Standards. Dimensions recognised over scaling. All measurements are in millimetres.

DRAWING TITLE LANDSCAPE MASTER PLAN LANDSCAPE PLAN - SHEET 1 LANDSCAPE PLAN - SHEET 2 LANDSCAPE DETAILS & SPECIFICATIONS LANDSCAPE CALCULATIONS

CW CW CW CW







Space Landscape Designs Pty Ltd ABN 60 799 663 674 ACN 139 316 251 info@spacedesigns.com.au P 02 9905 7870 F 02 9905 7657 Suite 138, 117 Old Pittwater Rd, Brookvale NSW 2100

SITE ADDRESS:

PROJECT

	northern – beaches					
	EXISTING	TR	EE SCHE	EDULE		
KEY	BOTANIGS IP AME IS TO BE READ IN CONJUNCTION WITH		DBH (mm)	Height (m)	Canopy Spread Radius (m)	Status
	THE CONDITIONS OF DEVELOPME	NT				
1.	CUPRESSUS SEMPERVIRENSENT	65	0	18	12	RETAIN
2.	CITHAREXYLUM SPINOSUM	35	0,350,400	9	6	REMOVE
3.	LOPHOSTEMON CONFERTOS1/2567	40	0	12	9	RETAIN
4.	FICU <mark>S</mark> BENJAMINA	25	0	7	8	REMOVE
5.	EUCALYPTUS SALIGNA	85	0	23	16	REMOVE
6.	EUCALYPTUS SALIGNA	11	50	25	18	REMOVE
7.	ARCHONTOPHOENIX CUNNINGHAMIANA	25	0	6	4	REMOVE
8.	ARCHONTOPHOENIX CUNNINGHAMIANA	25	0	3	3	REMOVE
9.	ARCHONTOPHOENIX CUNNINGHAMIANA	30	0	5	4	REMOVE

LANDSCAPE DESIGN INTENT

The main objective of the landscape is to provide shade and improve the visual amenity of the car park and streetscape.

Car park trees have been carefully considered and based on their ability to withstand compaction, suitable for their location and have reliable growth and perform well in an urban environment. The selection adheres to the principle of minimising water consumption by the use of low-water native plant species.

In adhering to design principles, consideration has been given to site specific conditions to determine individual tree's placements with underplanting of low grasses to ensure sight lines are maintained upon entering and exiting the car park. Landscape buffers have been provided alongside boundaries that adjoin residential lots.

The design increases the existing tree canopies for the sites providing shade and a more aesthetically pleasing streetscape. The streetscape treatment buffer contains a suitable combination of trees, shrubs and groundcovers to create visual diversity and enhance the streetscape character.

The species selection has been derived from the Northern Beaches Council native species list for Curl Curl Ward.

Water Sensitive Urban Design (WSUD) opportunities have been identified with the recommendation of permeable paving for the car park and pedestrian pathways.

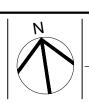
The proposed landscape contributes to the development and will improve the site by providing increased amenities and by adding biodiversity with additional naive canopy trees.

1.8m high acoustic barrier

1.8m high acoustic barrier



CLIENT: St Augustine's College Proposed Carpark RN: A.Elboz (AILDM 625) CALE: 1:500@A1 Federal Parade, Brookvale 2100 PROJECT NO: 211930

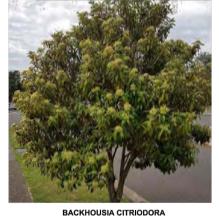


DRAWING TITLE: LANDSCAPE MASTER PLAN DRAWING N Rev: E L-01

	LEGEND								
	BOUNDARY	PROPOSED PLANT SCHEDULE							
		KEY	BOTANICAL NAME	COMMON NAME	QTY	MATURE HGT			
85.50	EXISTING SPOT LEVELS		TREES						
	*	BC	BACKHOUSIA CITRIODORA	LEMON MYRTLE	3	5m			
$\oplus^{33.32}$	PROPOSED SPOT LEVELS	CF EE ER	CORYMBIA FICIFOLIA 'SUMMER RED' ELAEOCARPUS EUMUNDI ELAEOCARPUS RETICULATUS	SUMMER RED EUMUNDI QUANDONG BLUEBERRY ASH	3 3 5	5m 7m 7m			
	EXTENT OF NEW WORKS	TL	TRISTANIOPSIS LAURINA	WATER GUM	2	12m			
AE AE AE AE	ALUMINIUM EDGE **	AS BS CV	SHRUBS ACMENA SMITHII 'SUBLIME' BANKSIA SPINULOSA CALLISTEMON VIMINALIS 'GREEN JOHN'	SUBLIME LILLY PILLY HAIRPIN BANKSIA GREEN JOHN BOTTLEBRUSH	8 3 32	4m 2m 0.8m			
	* ACOUSTIC BARRIER **	DE LL ME	DORYANTHES EXCELSA LEPTOSPERMUM LAEVIGATUM MELALEUCA ERICIFOLIA	GYMEA LILY COASTAL TEA-TREE SWAMP PAPERBARK	8 1 1	2m 2m 4m			
	CONCRETE **	WF	WESTRINGIA FRUTICOSA GRASSES / GROUND COVERS	COASTAL ROSEMARY	9	1.5m			
	ASPHALT *	DC LN LT	DIANELLA CAERULEA 'LITTLE JESS' LOMANDRA LONGIFOLIA 'NYALLA' LOMANDRA LONGIFOLIA 'TANIKA'	LITTLE JESS NYALLA TANIKA	39 30 97	0.4m 0.7m 0.5m			
	* MULCH	MP **N4			7	0.1m			
	TURF	14/							

TREE TO BE RETAINED









ACMENA SMITHII 'SUBLIME'



BANKSIA SPINULOSA

LEPTOSPERMUM LAEVIGATUM

ELAEOCARPUS RETICULATUS



RISTANIOPSIS LAURINA 'LUSCIOUS'

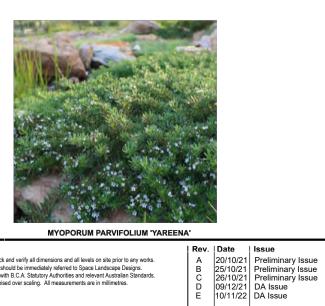


MELALEUCA ERICIFOLIA



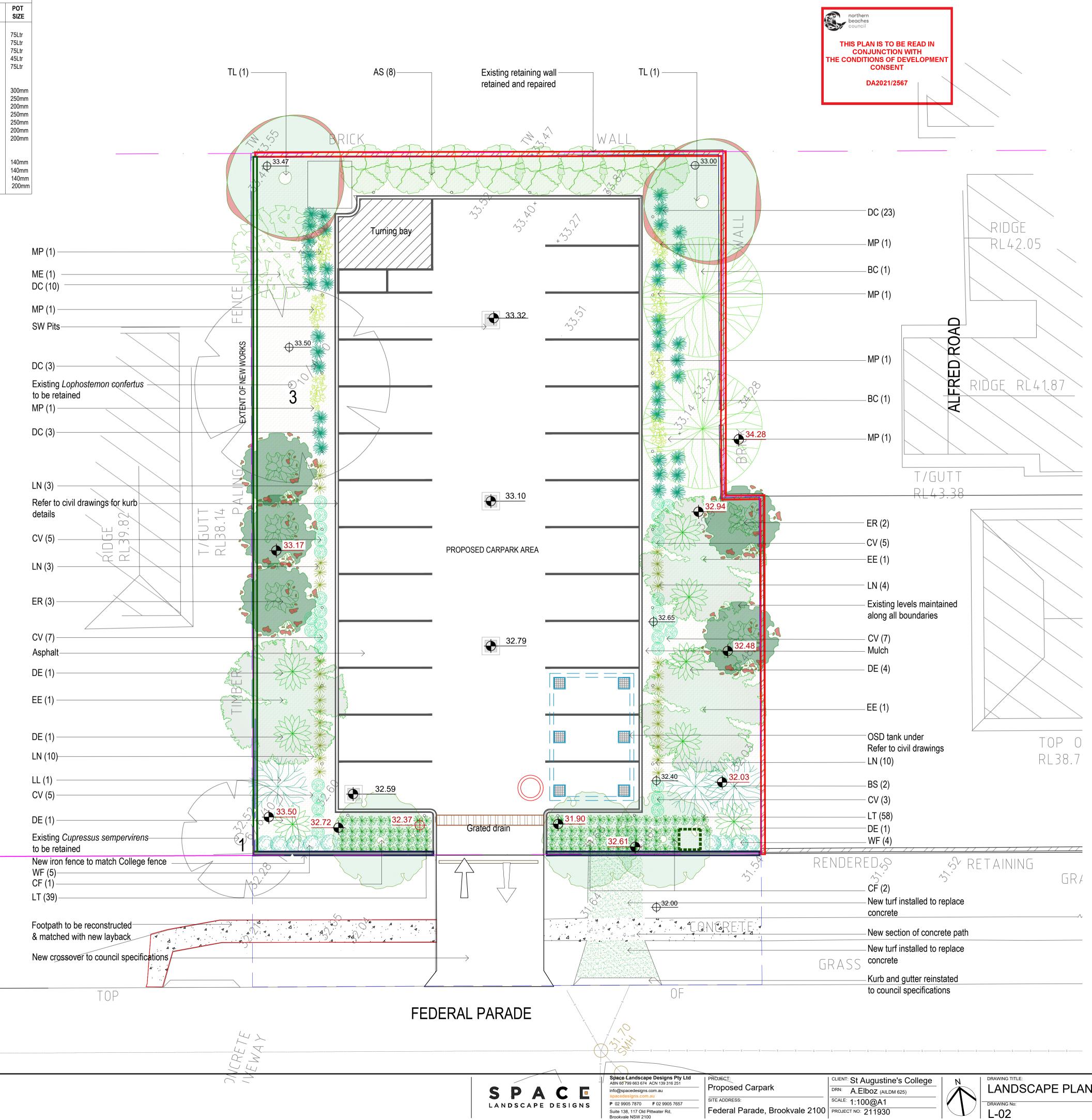


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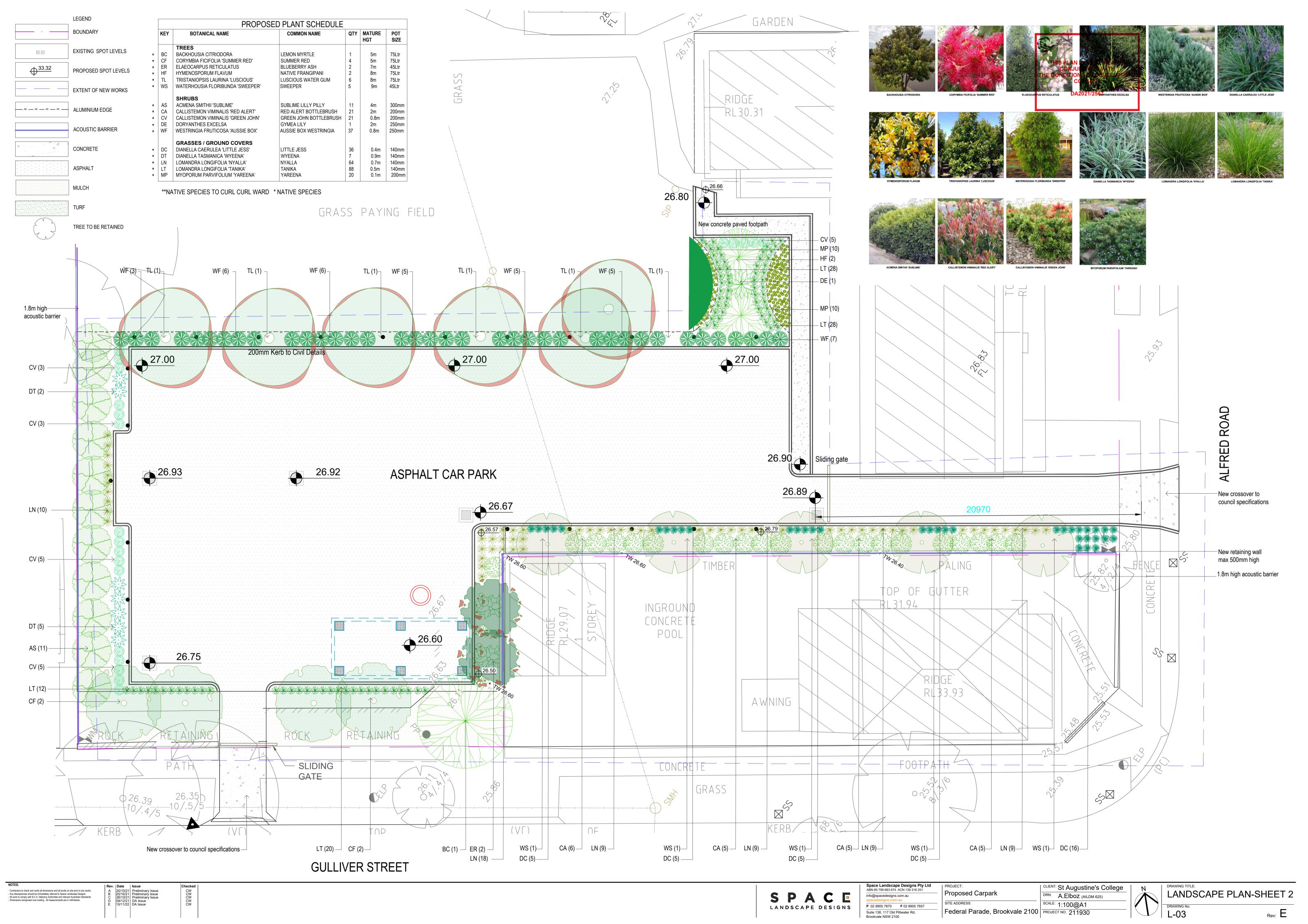
Any discrepancies should be immediately referred to Space Landscape Designs.
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 Dimensions recognised over scaling. All measurements are in millimetres.

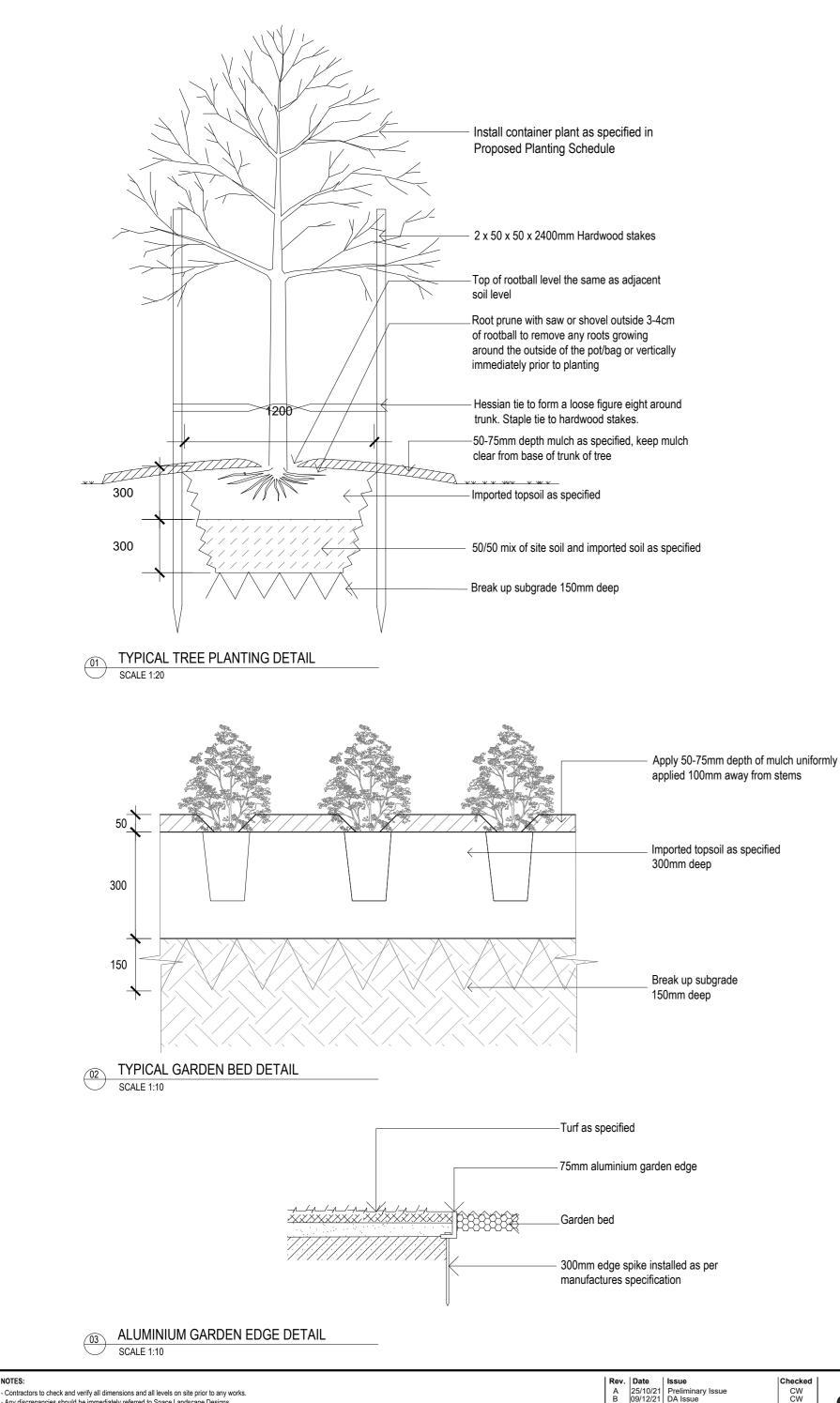
NOTES:



Brookvale NSW 2100

ark	CLIENT: St Augustine's College DRN: A.Elboz (AILDM 625)	DRAWING TITLE: LANDSCAPE PLAN-SHEET 1
	^{SCALE:} 1:100@A1	DRAWING No:





S P С E LANDSCAPE DESIGNS



- Any discrepancies should be immediately referred to Space Landscape Designs. - All work to comply with B.C.A. Statutory Authorities and relevant Australian Standards Dimensions recognised over scaling. All measurements are in millimetres

NOTES:



THE CONDITIONS OF DEVELOPMENT

CONSENT

LANDSCAPE SPECIFICATION NOTES

SITE PREPARATION

Locate any underground and overground services & ensure no damage occurs. Levels on plan are nominal on ty 2 al company in the checked on site prior to commencement. Final structural integrity of all items shall be the sole responsibility of landscape contractor.

WORKMANSHIP AND MATERIAL QUALITY

Materials and workmanship are to conform to the current applicable Australian Standard Specifications and Codes. Any work or materials, which, in the opinion of the Site Manager do not meet appropriate industry standards should be rejected. Where works are adjacent to existing works, make proper junctions between new and existing works and make good any damage caused to adjoining existing and retained works.

PROTECTION OF EXISTING TREES:

Prior to construction, the builder shall erect tree protection fencing to the drip line of existing trees to be retained. The fence shall be constructed of star pickets at 2.4m spacings and connected by three strands of 2mm wire at 300mm spacings to a minimum height of 1500mm. Protect all trees affected by demolition & construction. Take necessary precautions to protect the Structural Root Zone(SRZ) as per AS 4970-2009 Australian Standard for Protection of Trees on Development Sites. Tree protection measures shall remain intact until the completion of all construction works.

Prohibited Works or material storage within the TPZ as per AS 4970-2009 except with approval of council:

- entry of machinery or storage of building materials, parking of any kind of vehicle
- erection or placement of site facilities, removal or stockpiling of soil or site debris
- disposal of liquid waste including paint & concrete wash
- excavation or trenching of any kind (including irrigation or electrical connections).
- attaching any signs or any other objects to the tree, placement of waste disposal or skip bins
- pruning and removal of branches, other than those by a qualified Arborist

Compacted Ground/Coring: Avoid compaction of the ground under trees. If compaction nevertheless occurs loosen the soil by Coring. Coring to be carried out by a qualified Arborist.

REMOVAL OF EXISTING TREES

All trees to be removed shall be carried out by a qualified arborist and work shall conform to the provisions of AS4373-2007 Australian Standards for The Pruning of AmenityTrees

ELIMINATE WEEDS

Remove all existing weeds by hand, wiping or spraying with a glyphosate based herbicide. Weed control shall never be performed by mechanical cultivation or by scraping. Herbicide spraying is to be used to eliminate all existing weeds 30 days prior to planting.

EXCAVATION & SUB SOIL PREPARATION

Excavate garden beds to the depth required and rip or scarify base & sides of pit to a minimum depth of 150mm.

SUB SOIL DRAINAGE

Install drainage layer where there is surface water runoff draining into garden bed areas & where the existing sub-soil has more than 50% clay composition & there is a risk of subsurface water ponding.

Install perforated corrugated ag. line 75-100mm Dia. with geotextile filter sock & backfill to a minimum 200mm using free draining material, reclaimed/recycled where available. Direct flows at a minimum 0.5% fall to SW system. In areas isolated from stormwater system excavate & backfill an appropriate water dispersion pit. **REUSE EXISTING TOPSOIL**

Existing site topsoil should be salvaged & appropriately stockpiled where possible.

IMPORTED TOPSOIL

All construction must comply with AS 4419-2003 Soils for Landscaping and Garden Use. Turf Areas: 'Turf Underlay', Tree Pit and Shrub Planting: 'Premium Garden Mix' as supplied by, ANL p: 02 9450 1444 or approved alternative. Spread the topsoil on the prepared subsoil and grade evenly, making allowances, if appropriate, for the following:

- Required finished levels and contours after light compaction.

- Compact lightly and uniformly in 150 mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:

- Finished to design levels, smooth and free from stones or lumps of soil. Graded to drain freely, without ponding, to catchment points. Grade evenly into adjoining ground surfaces ready for planting.

PLANTING AREA

Remove weeds, rubbish, mulch and other debris. Do not disturb tree roots or services and if necessary cultivate these areas by hand. Spread topsoil on the prepared subsoil and grade evenly, making the necessary allowance to permit the required finished levels and contours after a light compaction. Spread topsoil to the typical depth of 300mm.

Feather edges into adjoining undisturbed ground.

TREE STOCK

Tree stock to be supplied by production nurseries in accordance with AS 2303:2018 Tree Stock for Landscape Use.

Health & Vigour: Supply plants with foilage size, texture & colour consistent with that shown in healthy specimens of the species. Balance of Crown: Supply plants with max. variation in crown bulk on opposite sides of stem axis, +/- 20%. Stock selection should also be based on NATSPEC Guide Specifying Trees: a Guide to Assessment of Tree Quality.

STAKING

Install 2 x 2400mm x 50mm x 50mm hardwood timber stakes with hessian ties to all trees. Provide appropriate support considering exposure to prevailing winds. Stakes and hessian ties to be removed as soon as the tree is self supporting.

ALUMINIUM GARDEN EDGING

Supply and install Link Edge 75mm as per Landscape Plan with safety top and flush to ground. Compact and level the base in the required area as indicated on Landscape Plan. Half hammer spikes into prepunched holes (approx 4 spikes every 3m length) starting from the first hole in the end of the Link Edge. Use spike washers supplied by manufacturer.Half hammer subsequent spikes in pivotal areas along the length. (Especially at points where a curve is required). Connect lengths together by using fish-plate connectors supplied by manufacturer. Check position of Link Edge is correct before hammering spikes firmly into ground.

MULCHING

All landscaping must comply with AS 4454-2003 Compost, soil conditioners and mulches. All planting areas to receive 50-75mm of garden Mulch, Droughtmaster, ANL p: 02 9450 1444 or approved alternative. Keep mulch 100mm away from plant stem & form a well to stop excessive water runoff. Finish flush with adjacent surfaces.

WATERING

Water in immediately after plant installation & allow for soil settlement. Watering program: Minimum 3 complete waterings, soaking to a depth of 150 mm at fortnightly intervals for the first 6 weeks of plant establishment irrespective of natural rainfall. Manually water all lawn and planting areas in absence of an irrigation system or until the proposed irrigation system is fully operational. Avoid frequent dampening of the surface. Allow the surface of the soil to partially dry out between waterings.

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igns.com.au com.au	Proposed Carpark	DRN: A.Elboz (AILDM 625)	& SP	ECIFICATION
0 F 02 9905 7657	SITE ADDRESS:	SCALE: 1:100@A2	DRAWING No:	D
Old Pittwater Rd, / 2100	Federal Parade, Brookvale 2100	PROJECT NO: 211930	L-04	Rev: D