



GOSFORD WATERFRONT

LANDSCAPE TENDER DOCUMENTATION 100% AREA 1 & AREA 2

SHEET NO	SHEET NAME	REVISION	DATE
LTN 001	LANDSCAPE COVER SHEET	D	20.08.26
LTN 002	LANDSCAPE LEGEND	D	20.08.26
LTN 003	LANDSCAPE HOLDPOINTS	D	20.08.26
LTN 100	LANDSCAPE GENERAL ARRANGEMENT PLAN	D	20.08.26
AREA 1			
LTN 200	EXISTING CONDITIONS AND DEMOLITION PLAN - AREA 1	D	20.08.26
LTN 201	EXISTING CONDITIONS AND DEMOLITION SCHEDULE - AREA 1	D	20.08.26
LTN 202	LANDSCAPE GENERAL PLAN - AREA 1	D	20.08.26
LTN 203	LANDSCAPE SETOUT PLAN 1A - AREA 1	D	20.08.26
LTN 204	LANDSCAPE SETOUT PLAN 1B - AREA 1	D	20.08.26
LTN 205	LANDSCAPE HARDSCAPE PLAN - AREA 1	D	20.08.26
LTN 206	LANDSCAPE PLANTING PLAN - AREA 1	D	20.08.26
AREA 2			
LTN 300	EXISTING CONDITIONS AND DEMOLITION PLAN - AREA 2	D	20.08.26
LTN 301	EXISTING CONDITIONS AND DEMOLITION SCHEDULE - AREA 2	D	20.08.26
LTN 302	LANDSCAPE GENERAL PLAN - AREA 2	D	20.08.26
LTN 303	LANDSCAPE SETOUT PLAN - AREA 2	D	20.08.26
LTN 304	LANDSCAPE HARDSCAPE PLAN - AREA 2	D	20.08.26
LTN 305	LANDSCAPE PLANTING PLAN - AREA 2	D	20.08.26
AREA 3			
LTN 400	EXISTING CONDITIONS AND DEMOLITION PLAN - AREA 3	D	20.08.26
LTN 401	LANDSCAPE GENERAL PLAN - AREA 3	D	20.08.26
LTN 402	LANDSCAPE SETOUT PLAN - AREA 3	D	20.08.26
LTN 403	LANDSCAPE HARDSCAPE PLAN - AREA 3	D	20.08.26
LTN 404	LANDSCAPE PLANTING PLAN - AREA 3	D	20.08.26
LTN 500	LANDSCAPE PLANT SCHEDULES	D	20.08.26
LTN 501	LANDSCAPE HARDSCAPE SCHEDULES 1	D	20.08.26
LTN 502	LANDSCAPE HARDSCAPE SCHEDULES 2	D	20.08.26
LTN 600	LANDSCAPE TREE RETENTION PLAN - AREA 1	D	20.08.26
LTN 601	LANDSCAPE TREE RETENTION PLAN - AREA 2	D	20.08.26
LTN 602	LANDSCAPE TREE RETENTION PLAN - AREA 3	D	20.08.26
LTN 603	LANDSCAPE TREE RETENTION SCHEDULE AND DETAILS	D	20.08.26
LTN 700	LANDSCAPE HARDWORKS DETAILS 1	D	20.08.26
LTN 701	LANDSCAPE HARDWORKS DETAILS 2	D	20.08.26
LTN 702	LANDSCAPE HARDWORKS DETAILS 3	D	20.08.26
LTN 703	LANDSCAPE HARDWORKS DETAILS 4	D	20.08.26
LTN 703	LANDSCAPE HARDWORKS DETAILS 5	D	20.08.26
LTN 703	LANDSCAPE HARDWORKS DETAILS 6	D	20.08.26
LTN 704	LANDSCAPE SOFTWORKS DETAILS	D	20.08.26
LTN 800	LANDSCAPE SPECIFICATION 1	D	20.08.26
LTN 801	LANDSCAPE SPECIFICATION 2	D	20.08.26
LTN 802	LANDSCAPE SPECIFICATION 3	D	20.08.26

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION.
B	01.06.26	70% Issue	AK / DSH	BRO	2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION.
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO	3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY.
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO	4. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS.
					5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR.
					6. DIAL BEFORE YOU DIG.
					7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION.
					8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.
					SCALES



Hunter
Warners Bay N.S.W. 2282
Ph. 02 4978 5100
Central Coast
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Ph. 02 4305 4300
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CLIENT HCCDC	PROPERTY DESCRIPTION GOSFORD, NSW
STATUS 100% ISSUE	

PROJECT GOSFORD WATERFRONT		PLAN TITLE LANDSCAPE COVER SHEET			
PROJECT No. 191143	DISCIPLINE LA	PREFIX	NUMBER LTN 001	REV. D	

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LEGEND

SITE

DRAWINGS	DETAIL REF	CODE	SYMBOL	
-	-	-		SITE BOUNDARY
-	-	-	FFL 0.00	INDICATIVE FINISHED LEVEL REFER TO ARCHITECTURAL DRAWINGS
-	-	-	+ RL 1.75	INDICATIVE RELATIVE LEVEL
-	-	-	+ TOW 1.75	INDICATIVE TOP OF WALL LEVEL
-	-	-	2.0 3.0	PROPOSED CONTOURS REFER TO CIVIL ENGINEER'S DRAWINGS
-	-	-	FALL 1:10	SURFACE FALL

SOFTWORKS

DRAWINGS	DETAIL REF	CODE	SYMBOL	
LTN 206	LTN 701	CAR ROS	Car Ros	CARPOBROTUS ROSSII 'WHITE HOT'
LTN 304	LTN 701	DIA REV	Dia Rev	DIANELLA REVOLUTA 'REVELATION'
LTN 304	LTN 701	FIC NOD	Fic Nod	FICINIA NODOSA
LTN 304	LTN 701	LOM FIL	Lom Fil	LOMANDRA FILIFORMIS 'SAVANNA BLUE'
LTN 304	LTN 701	LOM LON	Lom Lon	LOMANDRA LONGIFOLIA 'LADY TANIKA'
LTN 304	LTN 701	POA POI	Poa Poi	POA POIFORMIS 'KINGSDALE'
LTN 206	LTN 701	RHA SPI	Rha Spi	RHAGODIA SPINESCENS 'AUSSIE FLAT BUSH'
LTN 304	LTN 701	SCA HUM	Sca Hum	SCAEVOLA HUMILIS
LTN 404	LTN 701	WES LOW	Wes Low	WESTRINGIA FRUTICOSA 'LOW HORIZON'
LTN 206	LTN 701	WES GOL	Wes Gol	WESTRINGIA FRUTICOSA 'GOLDIE BOX'
-	LTN 701	TF-1	TF-1	TURF

HARDWORKS

DRAWINGS	DETAIL REF	CODE	SYMBOL	
-	-	ED-1	-----	CONCRETE EDGE
-	-	AS-1	AS-1	ASPHALT
-	-	PAV-1	PAV-1	CONCRETE PAVING - TYPE 1
-	-	PAV-2	PAV-2	CONCRETE PAVING - TYPE 2
-	-	PAV-3	PAV-3	CONCRETE PAVING - TYPE 3
-	-	PAV-4	PAV-4	CONCRETE PAVING - TYPE 4
-	-	PAV-5	PAV-5	CONCRETE PAVING - TYPE 5
-	-	PAV-6	PAV-6	CONCRETE PAVING - TYPE 6
-	-	PAV-7	PAV-7	CONCRETE PAVING - TYPE 7
-	-	RG-1	RG-1	REINFORCED GRASS

FURNITURE

DRAWINGS	DETAIL REF	CODE	SYMBOL	
-	-	BOL-1		FIXED BOLLARD
-	-	BOL-2		REMOVABLE BOLLARD
-	-	BOL-3		STONE BOLLARD
-	-	TBL-1		TABLE WITH TWO BENCHES
-	-	RTB-1		TABLE WITH TWO STOOLS
-	-	RTB-2		TABLE WITH THREE STOOLS
-	-	RTB-3		TABLE WITH FOUR STOOLS
-	-	RTB-4		TABLE WITH TWO STOOLS
-	-	RTB-5		TABLE WITH THREE STOOLS
-	-	CES-1		CULTURAL ELEMENT SEATING
-	-	RBN-1		CONCRETE SEATING WITH ONE TABLE
-	-	RBN-2		CONCRETE SEATING WITH TWO TABLES
-	-	RBN-3		CONCRETE SEATING WITH TWO TABLES
-	-	RBN-4		CONCRETE SEATING WITH TWO TABLES
-	-	RBN-5		CONCRETE SEATING WITH THREE TABLES
-	-	SHD-1		SHADE STRUCTURE
-	-	GT-1		BOOM GATE
-	-	BIN-1		DOUBLE FRAME BIN
-	-	BIN-2		SINGLE FRAME BIN
-	-	SB-1		SANDSTONE BLOCKS

TREES AND SHRUB PLANTING

DRAWINGS	DETAIL REF	CODE	SYMBOL	
LTN 206, LTN 404	LTN 701	-		EXISTING TREE
LTN 304	LTN 701	BAE IMB		BAECKEA IMBRICATA
LTN 304	LTN 701	BAN ERI		BANKSIA ERICIFOLIA
LTN 304	LTN 701	BAN ROB		BANKSIA ROBUR
LTN 304	LTN 701	CAL ICY		CALLISTEMON 'ICY BURST'
LTN 206	LTN 701	COR ALB		CORREA ALBA 'COASTAL PINK'
LTN 304	LTN 701	EPA IMP		EPACRIS IMPRESSA
LTN 304	LTN 701	ERE GLA		EREMOPHILA GLABRA 'PROSTRATE BLUE HORIZON'
LTN 304	LTN 701	GRE BUX		GREVILLEA BUXIFOLIA
LTN 304	LTN 701	HIB SCA		HIBBERTIA SCANDENS
LTN 404	LTN 701	ISO ANE		ISOPOGON ANEMONIFOLIUS 'SUNSHINE'
LTN 206	LTN 701	LIV AUS		LIVISTONA AUSTRALIS
LTN 206	LTN 701	WES NAR		WESTRINGIA 'NARINGA'

TREES TO BE RETAINED

LTN 600-LTN 602	LTN 603	-		EXISTING TREE TO BE RETAINED
LTN 600-LTN 602	LTN 603	-		SRZ STRUCTURAL ROOT ZONE
LTN 600-LTN 602	LTN 603	-		NRZ NOMINAL ROOT ZONE

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	  Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohanson.com.au	CLIENT	 	PROPERTY DESCRIPTION					PROJECT					
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. DIAL BEFORE YOU DIG. 7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.		HCCDC		GOSFORD, NSW	GOSFORD WATERFRONT					PLAN TITLE				
B	01.06.26	70% Issue	AK / DSH	BRO			LANDSCAPE LEGEND												
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SCALES					STATUS					PROJECT No.	DISCIPLINE	PREFIX	NUMBER	REV.					
					100% ISSUE					191143	LA		LTN 002	D					

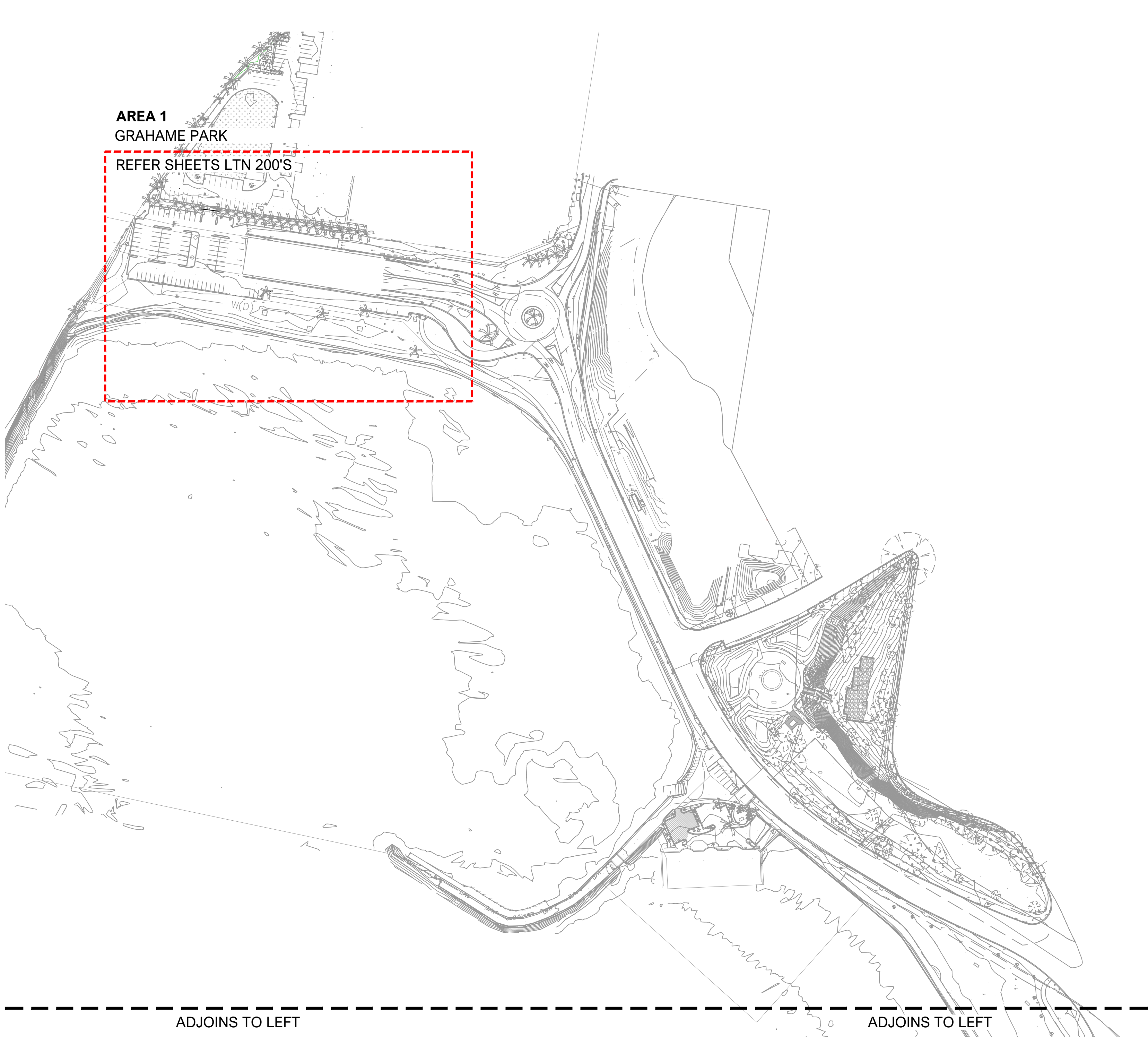
HOLD POINTS
All landscape works must comply with the hold points outlined in Table HP1. The Contractor must ensure that each hold point has been inspected and released by the Landscape Superintendent before proceeding with the relevant work. Any variations to the hold points must be approved before the relevant work commences.

Table HP1. Landscape works Hold Points

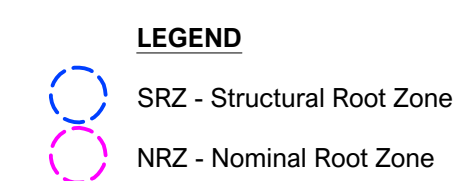
HOLD POINT & NOTICE PERIOD	STANDARDS & CERTIFICATES	REQUIRED PERSONNEL
1. Base course / bedding layer for paving (prior to paver laying/concrete) – 24-48 hours notice period	AS 3727; compaction / level survey certificates. AS 3727; approved samples / mock-up; jointing & tolerances	Superintendent, Landscape Architect
2. Final hardworks levels, tolerances and finishes (prior to softworks handover) - 48 hours	Survey / as-built drawings; project specifications	Superintendent, Surveyor, Landscape Architect
3. Plant material and tree stock at nursery prior transportation to site (5 days' notice prior to intended inspection date).	- Natspec tree certification - AS2303:2018 – tree stock for landscape use - Pre-delivery certificate from the supplier certifying the plant stock is in accordance with NATSPEC and AS 2303:2018 - All plant stock to be obtained from a registered supplier with accreditation from the Nursery Industry Accreditation Scheme Australia (NIASA)	Landscape Superintendent or Landscape Architect
4. Sub-grade cultivation (5 days' notice prior to intended inspection date).	- AS 4419:2014 soils for landscaping and garden use - In accordance with approved documentation drawings and specifications	Landscape Superintendent or Landscape Architect
5. Testing, amelioration, importation and placement of topsoils (7 days notice prior to intended inspection date).	- AS 4419:2014 soils for landscaping and garden use	Landscape Superintendent or Landscape Architect
6. Identification of TPZ and planting / works within the zone (5 days notice prior to intended inspection date).	- AS 4970 protection of trees on development sites - TPZ as identified in AS 4970 section 3 - Arborist report	Landscape architect or Landscape superintendent or Arborist
7. Setout of street trees and landscape areas (5 days notice prior to intended inspection date).	- Approved landscape plans	Landscape architect or Landscape superintendent
8. Preparation of tree pits and garden beds including excavation, drainage, root barriers and soil additives (5 days notice prior to intended inspection date).	- Approved landscape plans - Compost and soil certificates - Inspection report of supplied plant stock	Landscape architect or Landscape superintendent
9. Practical completion of landscape works	- Approved landscape plans - Landscape implementation and compliance report	Landscape architect or Landscape superintendent

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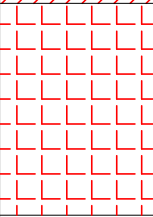
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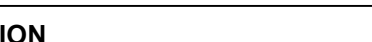


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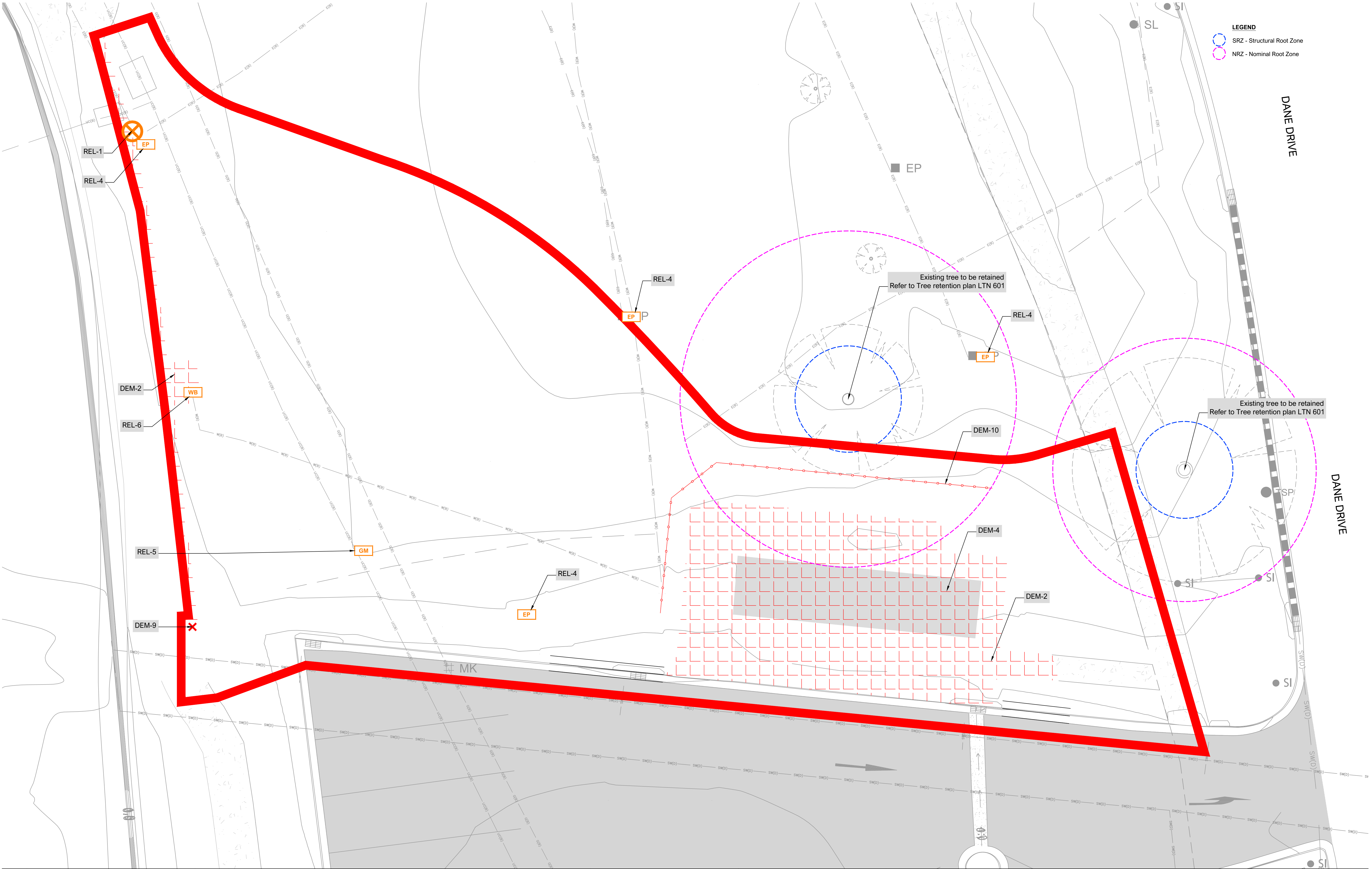
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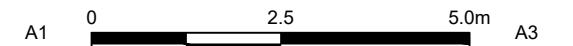
Specification					
Code	Hatch	Description	Unit	Quantity	Notes
DEM-1		Remove existing asphalt	m²	376.0	Sawcut at limits. Remove full asphalt layer. Inspect subgrade and rework if required. Ensure base is suitable for coloured asphalt system. Coordinate with civil engineer.
DEM-2		Remove existing paving	m²	38.3	Remove existing pavers/concrete including bedding layer. Remove base if unsuitable. Trim and compact subgrade for asphalt installation.
DEM-5		Remove existing asphalt lip at kerb	m	62.8	Sawcut neat line prior to removal. Remove asphalt build-up without damaging kerb (unless kerb removal is specified). Prepare edge for new works.
DEM-6		Remove existing kerb (various heights)	m	98.1	Remove kerb and concrete footing. Sawcut adjacent pavement to achieve clean edge. Dispose off-site. Consult civil engineer if kerb removal affects levels/drainage.
DEM-7		Remove existing kerb inlet pit	No.	1	Remove full pit including frame, grate and connections to stormwater system. Cap or reconnect pipework as required. Backfill and compact to specification. Coordination with civil / hydraulic engineer required.
DEM-8		Remove existing drainage grate	No.	1	Remove grate only unless otherwise noted. Protect pit below if retained. Provide temporary cover to maintain safety during works. Coordinate with civil contractor.
DEM-9		Remove existing bollards	No.	4	Remove complete bollard including footing and any subsurface anchors. Make good surrounding surface. Check for embedded services (lighting conduits, sleeves). Coordinate with electrical contractor if illuminated bollards.
REL-1		Relocate existing light pole	No.	1	Do not remove without approval. Disconnect, relocate and reinstall in new location. Ensure compliance with lighting standards. Coordination with electrical engineer and authority required.
GENERAL NOTES: 1. All demolition works shall be carried out in accordance with relevant Australian Standards and local authority requirements. 2. Contractor shall locate and protect all underground services prior to commencement of works. 3. Any discrepancies between drawings and site conditions shall be reported prior to proceeding. 4. All demolished materials shall be removed from site unless noted otherwise. 5. All excavations shall be made safe and protected at all times.					

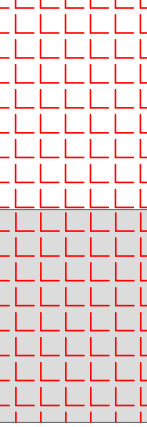
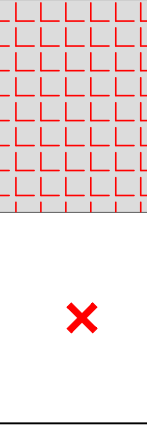
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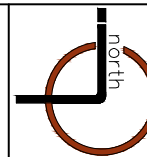
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REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	CLIENT	PROPERTY DESCRIPTION	PROJECT					
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 2. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 3. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS. 4. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 5. DIAL BEFORE YOU DIG. 6. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 7. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.	Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohnson.com.au	GOSFORD, NSW	GOSFORD WATERFRONT					
B	01.06.26	70% Issue	AK / DSH	BRO		 Hunter & Central Coast Development Corporation		PLAN TITLE EXISTING CONDITIONS AND DEMOLITION PLAN - AREA 2					
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO									
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO									
					SCALES			STATUS	PROJECT No.	DISCIPLINE	PREFIX	NUMBER	REV.
					A1 1:100			100% ISSUE	191143	LA		LTN 300	D

Specification					
Code	Hatch	Description	Unit	Quantity	Notes
DEM-2		Remove existing paving	m²	172.3	Remove existing surface materials. Assess condition of sub-base and retain if suitable. Re-level and prepare for new surfaces. Site verification required
DEM-4		Remove existing concrete footing	m²	49.8	Break out full concrete footing including reinforcement. Remove all debris. Backfill with suitable topsoil and regrade to match adjacent levels. Reinstate as turf finish.
DEM-9		Remove existing bollards	No.	1	Remove complete bollard including footing and any subsurface anchors. Make good surrounding surface. Check for embedded services (lighting conduits, sleeves). Coordinate with electrical contractor if illuminated bollards.
DEM-10		Remove existing fence	m	26.6	Remove fencing including posts and footings. Dispose off site. Make good surrounding ground and surfaces.
REL-1		Relocate existing light pole	No.	1	Do not remove without approval. Disconnect, relocate and reinstall in new location. Ensure compliance with lighting standards. Coordination with electrical engineer and authority required.
REL-4		Relocate existing electrical pillar	No.	4	Carefully disconnect and relocate to new approved location. Extend and reconnect services as required. Maintain continuous service where possible. Coordinate with electrical engineer and relevant authority.
REL-5		Relocate existing gas marker post	No.	1	Carefully disconnect and relocate to new approved location. Extend and reconnect services as required. Maintain continuous service where possible. Coordinate with gas authority.
REL-6		Relocate existing water bubbler	No.	1	Carefully disconnect and relocate to new approved location. Reconnect water supply and drainage. Ensure compliance with relevant standards and accessibility requirements. Coordinate with hydraulic contractor.
GENERAL NOTES: 1. All demolition works shall be carried out in accordance with relevant Australian Standards and local authority requirements. 2. Contractor shall locate and protect all underground services prior to commencement of works. 3. Any discrepancies between drawings and site conditions shall be reported prior to proceeding. 4. All demolished materials shall be removed from site unless noted otherwise. 5. All excavations shall be made safe and protected at all times.					

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A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING – REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 7. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.					PLAN TITLE EXISTING CONDITIONS AND DEMOLITION SCHEDULE - AREA 2								
B	01.06.26	70% Issue	AK / DSH	BRO						PROJECT No. 191143	DISCIPLINE LA	PREFIX	NUMBER LTN 301	REV. D				
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO														
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO														
					SCALES													

Plotted By: Anastasiia Kuznetsova
Plot Date: 20/08/26 6:48:03PM
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REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	adw Johnson Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohndson.com.au CLIENT HCCDC Hunter & Central Coast Development Corporation PROPERTY DESCRIPTION GOSFORD, NSW	PROJECT				
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. DIAL BEFORE YOU DIG. 7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.		GOSFORD WATERFRONT				
B	01.06.26	70% Issue	AK / DSH	BRO			PLAN TITLE				
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO			LANDSCAPE SETOUT PLAN - AREA 2				
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO			PROJECT No.	DISCIPLINE	PREFIX	NUMBER	REV.
					SCALES A1 0 2.5 5.0m A3 1:100 1:200	191143	LA		LTN 303	D	



NOTE:
Refer to Plant schedule on LTN 500
for species and quantities.

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	CLIENT	PROPERTY DESCRIPTION	PROJECT	STATUS	PROJECT No.	DISCIPLINE	PREFIX	NUMBER	REV.
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. DIAL BEFORE YOU DIG. 7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.	Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohanson.com.au	GOSFORD, NSW	GOSFORD WATERFRONT	100% ISSUE	191143	LA		LTN 305	D
B	01.06.26	70% Issue	AK / DSH	BRO				PLAN TITLE LANDSCAPE PLANTING PLAN - AREA 2						
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO										
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO										

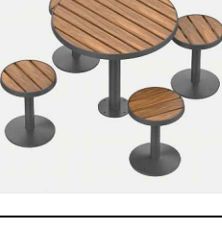
PLANT SPECIFICATION - AREA 1									
Code	Botanical Name	Common Name	Height (m)	Width (m)	Pot Size	Planting Density	Qty	Symbol	Pictures
Not applicable									

PLANT SPECIFICATION - AREA 2									
Code	Botanical Name	Common Name	Height (m)	Width (m)	Pot Size	Planting Density	Qty	Symbol	Pictures
Ban eri	Banksia ericifolia	Heath-leaved Banksia	5	3	5ltr	As Shown	5		
Ban rob	Banksia robur	Swamp Banksia	2	2	5ltr	As Shown	3		
Cal icy	Callistemon 'Icy Burst'	Icy Burst Bottlebrush	1.5	0.8	5ltr	As Shown	13		
Dia rev	Dianella revoluta 'Revelation'	Revelation Flax Lily	0.6	0.5	150mm	6/m2	90		
Epa imp	Epacris impressa	Common Heath	3	1.5	5ltr	As Shown	7		
Ere gla	Eremophila glabra 'Prostrate Blue Horizon'	Blue Horizon Emu Bush	0.3	1	5ltr	As Shown	11		
Fic nod	Ficinia nodosa	Knobby Club Rush	1	1	150mm	6/m2	102		
Gre bux	Grevillea buxifolia	Grey Spider Flower	1.5	1.5	5ltr	As Shown	6		
Hib sca	Hibbertia scandens	Snake Vine / Guinea Flower	1	3	5ltr	As Shown	5		
Lom fil	Lomandra filiformis 'Savanna Blue'	Savanna Blue Mat Rush	0.3	0.3	150mm	6/m2	60		
Lom lon	Lomandra longifolia 'Lady Tanika'	Lady Tanika Lomandra	0.6	0.6	150mm	6/m2	114		
Poa poi	Poa poiiformis 'Kingsdale'	Kingsdale Tussock Grass	0.45	0.45	150mm	6/m2	102		
Sca hum	Scaevola humilis	Dwarf Fan Flower	0.5	1.5	150mm	6/m2	30		

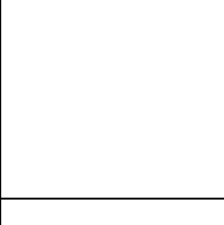
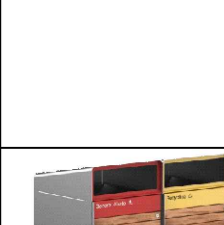
PLANT SPECIFICATION - AREA 3									
Code	Common Name		Height (m)	Width (m)	Pot Size	Planting Density	Qty	Symbol	Pictures
Bae imb	Baeckea imbricata	Heath Myrtle	1	0.5	5ltr	As Shown	10		
Iso ane	Isopogon anemonifolius 'Sunshine'	Sunshine Isopogon / Drumsticks	1.5	1.5	5ltr	As Shown	16		
Rha spi	Rhagodia spinescens 'Aussie Flat Bush'	Saltbush (Aussie Flat Bush)	0.5	2	5ltr	1/m2	48		
Wes low	Westringia fruticosa 'Low Horizon'	Low Horizon Coastal Rosemary	0.3	0.7	5ltr	5/m2	620		

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A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING – REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. DIAL BEFORE YOU DIG. 7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.		GOSFORD, NSW		GOSFORD WATERFRONT									
B	01.06.26	70% Issue	AK / DSH	BRO			PLAN TITLE											
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO		LANDSCAPE PLANT SCHEDULE												
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO	SCALES		STATUS											
							100% ISSUE											

FURNITURE SCHEDULES - AREA 1							
Location	Code	Item	Description	Supplier Detail	Procurement Requirements	QTY	Image (Color and finish as mentioned in table)
Area 1	BOL-1	Fixed Bollard with First Nations artwork	Brand: Street Furniture Australia Product: Linea Bollard Model: B5, core drilled installation Frame material: Stainless steel 316, suitable for coastal environments Frame colour: Custom powder-coat colour to match Dulux Deep Aqua S32B9 Finish: Exterior-grade coastal powder-coat system Artwork finish: Custom etched artwork with contrasting colour finish, subject to approved samples Artwork themes: Connection to waterways; connection to Country and land; and marine life and coastal ecology Artwork area: Nominal 70 W x 450 H mm Size: 100 W x 120 L x 910 H mm Fixing: Fixed installation; refer to Landscape Details	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Submit shop drawings, colour samples, artwork proofs and one prototype bollard for approval by the Landscape Architect, commissioned Aboriginal artist and Central Coast Council prior to manufacture. Artwork to be culturally authorised and developed in accordance with ICP principles. Manufacturer to confirm coating suitability for the coastal environment.	18	
Area 1	BOL-3	Sandstone vehicle barrier	Brand: Gosford Quarries Product: Grade-A (1st Grade) Sandstone Landscaping Log Material: Australian natural sandstone Colour: Quarry-Run Non-Select; natural variation permitted, subject to approved samples Finish: Quarry-sawn and split Size: Nominal 1000 L x 500 W x 500 H mm within manufacturer's standard size range Orientation: Installed horizontally	Supplier: Gosford Quarries Sandstone Address: 70 Quarry Road, Somersby NSW 2250 Email: sales@gosfordquarries.com.au Phone: (02) 4340 3000 Website: gosfordquarries.com.au	Submit representative stone samples, photographs of proposed blocks and coordinated shop drawings for approval by the Landscape Architect prior to ordering. Confirm final dimensions, colour variation, finish and installation method.	8	

FURNITURE SCHEDULES - AREA 2							
Location	Code	Item	Description	Supplier Detail	Procurement Requirements	QTY	Image (Color and finish as mentioned in table)
Area 2	BOL-2	Removable bollard with First Nations artwork	Brand: Street Furniture Australia Product: Linea Bollard Model: B5, removable in-ground installation Frame material: Stainless steel 316, suitable for coastal environments Frame colour: Custom powder-coat colour to match Dulux Deep Aqua S32B9 Finish: Exterior-grade coastal powder-coat system Artwork finish: Custom etched artwork with contrasting colour finish, subject to approved samples Artwork themes: Connection to waterways, Country and land, and marine life and coastal ecology Artwork area: Nominal 70 W x 450 H mm Size: 100 W x 120 L x 910 H mm above finished surface Fixing: Proprietary removable in-ground mounting system; refer to Landscape and Engineering Details	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Submit shop drawings, colour samples, artwork proofs and one prototype bollard for approval by the Landscape Architect, commissioned Aboriginal artist and Central Coast Council prior to manufacture. Artwork to be culturally authorised and developed in accordance with ICP principles. Supply complete removable in-ground mounting system, locking components and keys. Manufacturer to confirm coating suitability for the coastal environment.	6	
Area 2	RTB-1	Round table and stools set Circular table (600mm dia) with two stools	Brand: Street Furniture Australia Product: 1 x Platio Table 2 x Platio Stool Material: Aluminum powdercoated frame + aluminum woodgrain batten Colour: TBC Finish: Powdercoated Size: Table 600Dia x 720H (mm) + Stool 360Dia x 450H (mm)	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Manufacturer's Detail	1	
Area 2	RTB-2	Round table and stools set Circular table (600mm dia) with three stools	Brand: Street Furniture Australia Product: 1 x Platio Table 3 x Platio Stool Material: Aluminum powdercoated frame + aluminum woodgrain batten Colour: TBC Finish: Powdercoated Size: Table 600Dia x 720H (mm) + Stool 360Dia x 450H (mm)	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Manufacturer's Detail	4	
Area 2	RTB-3	Round table and stools set Circular table (800mm dia) with four stools	Brand: Street Furniture Australia Product: 1 x Platio Table 4 x Platio Stool Material: Aluminum powdercoated frame + aluminum woodgrain batten Colour: TBC Finish: Powdercoated Size: Table 800Dia x 720H (mm) + Stool 360Dia x 450H (mm)	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Manufacturer's Detail	2	
Area 2	RTB-4	Round table and stools set Circular table (600mm dia) with two stools	Brand: Street Furniture Australia Product: 1 x Platio Table 2 x Platio Stool Material: Aluminum powdercoated frame + aluminum woodgrain batten Colour: TBC Finish: Powdercoated Size: Table 600Dia x 720H (mm) + Stool 360Dia x 450H (mm)	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Manufacturer's Detail	1	
Area 2	RTB-5	Round table and stools set Circular table (800mm dia) with three stools	Brand: Street Furniture Australia Product: 1 x Platio Table 3 x Platio Stool Material: Aluminum powdercoated frame + aluminum woodgrain batten Colour: TBC Finish: Powdercoated Size: Table 800Dia x 720H (mm) + Stool 360Dia x 450H (mm)	Supplier: Street Furniture Australia Email: info@streetfurniture.com Phone: 1300 027 799 Website: streetfurniture.com	Manufacturer's Detail	1	
Area 2	CES-1	Cultural element seating (Sandstone masonry: shell / organic form)	Brand: TBC Product: Cultural element seating Material: Sandstone Colour: Natural Finish: TBC Size: Refer to drawings Lighting provision: Integrated recess for decorative lighting. Recess dimensions, location, luminaire, electrical supply and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit sandstone type and source, manufacturer's technical data, coordinated shop drawings, full-size profile templates, material and finish samples, artwork details and structural fixing details for approval by the Landscape Architect prior to manufacture. Shop drawings are to include the integrated lighting recess, concealed conduits, cable routes, drainage, luminaire mounting and maintenance access. Coordinate all lighting provisions with the Lighting Engineer's Details and all structural requirements with the Engineering Drawings and Specification.	6	
Area 2	RBN-1	Seating Concrete plinth with integrated Seat / Bench mount + lighting to base Glass fibre reinforced hollow concrete / precast concrete	Brand: Plinth - Quatro Design / Sydney Precast Seat or Bench - Street Furniture Australia Product: Concrete Plinth 1 x Linea Curved Seat (Custom) 1 x Linea Curved Bench with a single armrest (Custom) Material: Concrete plinth, Aluminium Seat / Bench Colour: TBC Finish: Manufacturer Size: Refer drawings Lighting provision: Integrated recess for decorative lighting. Recess dimensions, location, luminaire, electrical supply and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit manufacturer's technical data, coordinated shop drawings, material and colour samples, concrete plinth reinforcement and fixing details for approval by the Landscape Architect prior to manufacture. Shop drawings are to include the integrated lighting recess, concealed conduits, cable routes, drainage, luminaire mounting and maintenance access. Coordinate all lighting provisions with the Lighting Engineer's Details and all structural requirements with the Engineering Drawings and Specification.	1	
Area 2	RBN-2	Seating Concrete plinth with integrated Seat / Bench mount + lighting to base Glass fibre reinforced hollow concrete / precast concrete	Brand: Plinth - Quatro Design / Sydney Precast Seat or Bench - Street Furniture Australia Product: Concrete Plinth 1 x Linea Curved Bench with armrests (Custom) Material: Concrete plinth, Aluminium Seat / Bench Colour: TBC Finish: Manufacturer Size: Refer drawings Lighting provision: Integrated recess for decorative lighting. Recess dimensions, location, luminaire, electrical supply and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit manufacturer's technical data, coordinated shop drawings, material and colour samples, concrete plinth reinforcement and fixing details for approval by the Landscape Architect prior to manufacture. Shop drawings are to include the integrated lighting recess, concealed conduits, cable routes, drainage, luminaire mounting and maintenance access. Coordinate all lighting provisions with the Lighting Engineer's Details and all structural requirements with the Engineering Drawings and Specification.	1	

Area 2	RBN-3	Seating Concrete plinth with integrated Seat / Bench mount + lighting to base Glass fibre reinforced hollow concrete / precast concrete	Brand: Plinth - Quatro Design / Sydney Precast Seat or Bench - Street Furniture Australia Product: Concrete Plinth 1 x Linea Curved Seat (Custom) 1 x Linea Curved Bench with a single armrest (Custom) Material: Concrete plinth, Aluminium Seat / Bench Colour: TBC Finish: Manufacturer Size: Refer drawings Lighting provision: Integrated recess for decorative lighting. Recess dimensions, location, luminaire, electrical supply and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit manufacturer's technical data, coordinated shop drawings, material and colour samples, concrete plinth reinforcement and fixing details for approval by the Landscape Architect prior to manufacture. Shop drawings are to include the integrated lighting recess, concealed conduits, cable routes, drainage, luminaire mounting and maintenance access. Coordinate all lighting provisions with the Lighting Engineer's Details and all structural requirements with the Engineering Drawings and Specification.	1	LTN 302, LTN 304, 9, 12/LTN 703	
Area 2	RBN-4	Seating Concrete plinth with integrated Seat / Bench mount + lighting to base Glass fibre reinforced hollow concrete / precast concrete	Brand: Plinth - Quatro Design / Sydney Precast Seat or Bench - Street Furniture Australia Product: Concrete Plinth 1 x Linea Curved Bench (Custom) Material: Concrete plinth, Aluminium Seat / Bench Colour: TBC Finish: Manufacturer Size: Refer drawings Lighting provision: Integrated recess for decorative lighting. Recess dimensions, location, luminaire, electrical supply and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit manufacturer's technical data, coordinated shop drawings, material and colour samples, concrete plinth reinforcement and fixing details for approval by the Landscape Architect prior to manufacture. Shop drawings are to include the integrated lighting recess, concealed conduits, cable routes, drainage, luminaire mounting and maintenance access. Coordinate all lighting provisions with the Lighting Engineer's Details and all structural requirements with the Engineering Drawings and Specification.	1	LTN 302, LTN 304, 10,12/LTN 703	
Area 2	RBN-5	Seating Concrete plinth with integrated Seat / Bench mount + lighting to base Glass fibre reinforced hollow concrete / precast concrete	Brand: Plinth - Quatro Design / Sydney Precast Seat or Bench - Street Furniture Australia Product: Concrete Plinth 1 x Linea Curved Seat (Custom) 1 x Linea Curved Bench with a single armrest (Custom) Material: Concrete plinth, Aluminium Seat / Bench Colour: TBC Finish: Manufacturer Size: Refer drawings Lighting provision: Integrated recess for decorative lighting. Recess dimensions, location, luminaire, electrical supply and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit manufacturer's technical data, coordinated shop drawings, material and colour samples, concrete plinth reinforcement and fixing details for approval by the Landscape Architect prior to manufacture. Shop drawings are to include the integrated lighting recess, concealed conduits, cable routes, drainage, luminaire mounting and maintenance access. Coordinate all lighting provisions with the Lighting Engineer's Details and all structural requirements with the Engineering Drawings and Specification.	1	LTN 302, LTN 304, 11, 12/LTN 703	
Area 2	FNC	Screened commercial bin enclosure	Brand: Modine Product: Alu Batten screening system Material: Extruded aluminium battens fixed to a structural metal frame Batten profile: 50 W x 25 D mm, installed vertically Batten spacing: 15-20 mm clear Colour: TBC - to match the selected colour of the cafe facade elements Finish: Exterior-grade solid-colour powder coat suitable for coastal exposure Internal size: 1400 D x 2000 W x 1800 H mm minimum clear Capacity: 2 No. commercial waste bins, each 750 x 680 mm Access: Matching lockable double-leaf gate with 1600 mm minimum clear opening, located along the 2000 mm side Support frame: TBC by specialist metalwork fabricator Fixing: Refer to Manufacturer's Detail and Engineering Details	Supplier: Modine Phone: 1800 156 455 Email: hello@modine.com.au Website: www.modine.com.au Specialist metalwork fabricator: TBC	Submit coordinated shop drawings showing clear internal dimensions, bin arrangement, gate operation, structural frame, posts, footings, fixings, hardware and powder-coat finish for approval by the Landscape Architect prior to manufacture. Confirm that both bins can be independently accessed and removed through the gate. Provide lockable gate hardware and hold-open devices. Installation to comply with manufacturer's requirements, Engineering Details and the approved Waste Management Plan.	1	LTN 302, LTN 304	
Area 2	SHD-1	Shade structure	Brand: Precast shade structure Material: Steel & Aluminium Colour: Manufacturer Finish: Manufacturer Size: Refer drawings Lighting provision: Integrated decorative gobo lighting to project patterned illumination onto the pavement. Gobo pattern, luminaires, mounting locations, electrical supply, controls and installation requirements to Lighting Engineer's Details.	Supplier - TBC Email: TBC Phone: TBC	Submit manufacturer's technical data, coordinated shop drawings, material and colour samples, structural fixing details and decorative gobo lighting coordination for approval prior to manufacture. Coordinate the shade structure, luminaire mounting, concealed cabling, drivers, access for maintenance and projected gobo pattern with the Landscape Architect and Lighting Engineer.	1	LTN 302, LTN 304, 13/LTN 704	

FURNITURE SCHEDULES - AREA 3							
Location	Code	Item	Description	Supplier Detail	Procurement Requirements	QTY	Reference Image (Size, Color and finish as mentioned in table)
Area 3	BOL-1	Fixed bollard	Brand: Street Furniture Australia Product: Linea Bollard Material: Steel and Aluminium woodgrain Colour: Textura Dark Bronze frame with Aluminium woodgrain Bush Cherry insert Finish: Manufacturer Size: 100W x 120L x 910H (mm)	Supplier - Street Furniture Australia Email: nsw@streetfurniture.com Phone: 02 8774 8888	Manufacturer's Detail	1	
Area 3	TBL-1	Rectangular table with two benches (one with backrest, one without), steel and aluminium	Brand: Street Furniture Australia Product: Linea DDA Table with Single End Access, 1950L, Battered Top, Linea seat (LS 10) and Linea Bench (LB6) Material: Aluminium frame and Aluminium battens Colour: Textura Dark Bronze frame with Aluminium woodgrain Bush Cherry insert Finish: Manufacturer Size: Refer drawings	Supplier - Street Furniture Australia Email: nsw@streetfurniture.com Phone: 02 8774 8888	Manufacturer's Detail	2	
Area 3	SSB-1	Sandstone block	Brand: Product: Sandstone Block Material: stone Colour: Natural Finish: Manufacturer Size: 2000 x 500mm Nom.	Supplier - TBC Email: TBC Phone: TBC	Manufacturer's Detail	COS	
Area 3	GT-1	Steel boom gate Reuse good condition existing gate where possible	Brand: Product: Boom gate Material: Steel Colour: Manufacturer Finish: Manufacturer Size: COS.	Supplier - TBC Email: TBC Phone: TBC	Manufacturer's Detail	1	
Area 3	BIN-1	Double frame bin enclosure with custom-designed panels, 240L	Brand: Street Furniture Australia Product: Linea Bin 240L Dual Side-by-side Material: Steel and Aluminium Colour: TBC Finish: TBC Size: 240L	Supplier - Street Furniture Australia Email: nsw@streetfurniture.com Phone: 02 8774 8888	Manufacturer's Detail	2	
Area 3	BIN-2	Single frame bin enclosure with custom-designed panels, 120L	Brand: Street Furniture Australia Product: Linea Bin 120L Material: Steel and Aluminium battens Colour: TBC Finish: TBC Size: 120L	Supplier - Street Furniture Australia Email: nsw@streetfurniture.com Phone: 02 8774 8888	Manufacturer's Detail	1	

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES				
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. DIAL BEFORE YOU DIG. 7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.				
B	01.06.26	70% Issue	AK / DSH	BRO					
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO					
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO					
					SCALES				
						PROJECT No. 191143	DISCIPLINE LA	PREFIX	NUMBER LTN 501
						STATUS 100% ISSUE			REV. D

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Hunter Warners Bay N.S.W. 2282
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Tuggerah N.S.W. 2259
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Sydney
Sydney N.S.W. 2000
Ph. 02 8046 7411
www.adwjohanson.com.au

CLIENT HCCDC

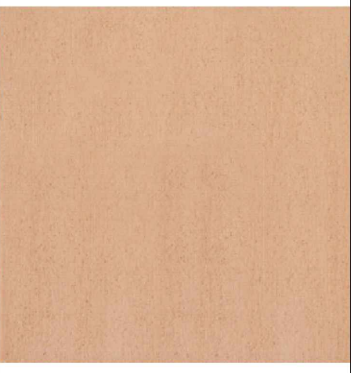
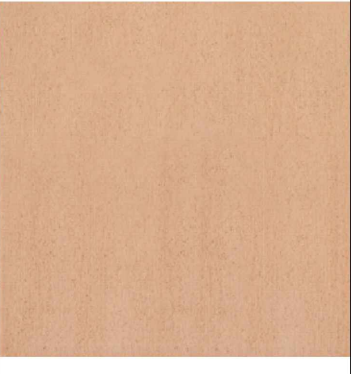
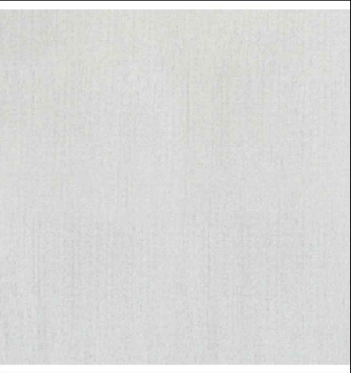
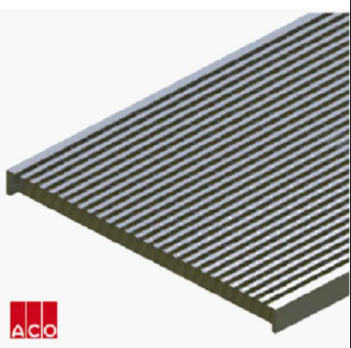


Hunter & Central Coast Development Corporation

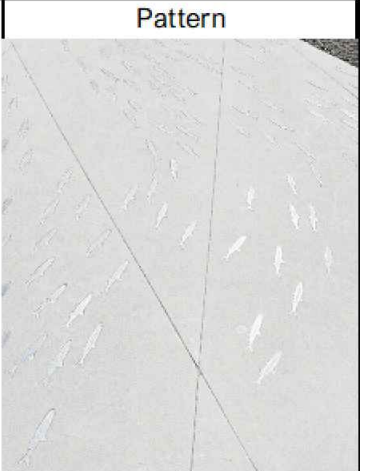
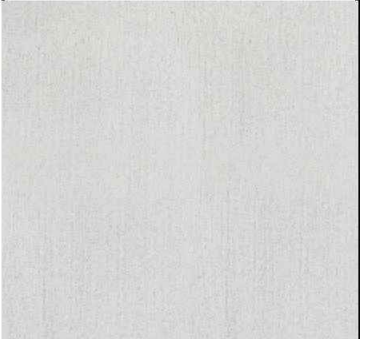
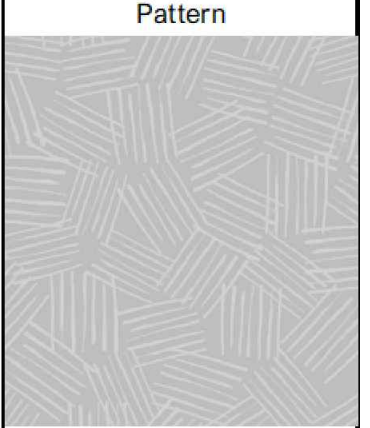
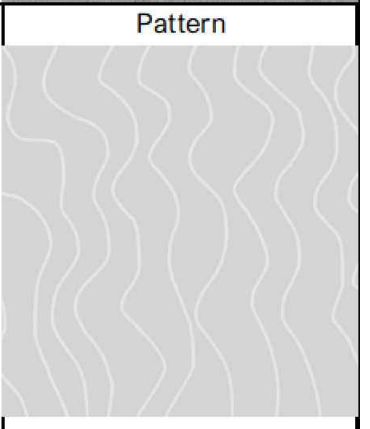
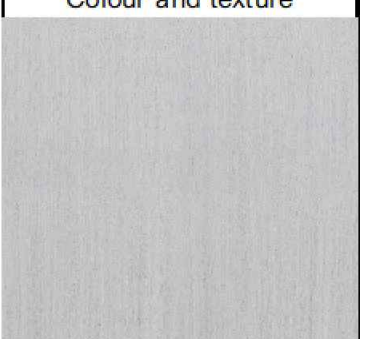
PROPERTY DESCRIPTION GOSFORD, NSW

PROJECT GOSFORD WATERFRONT

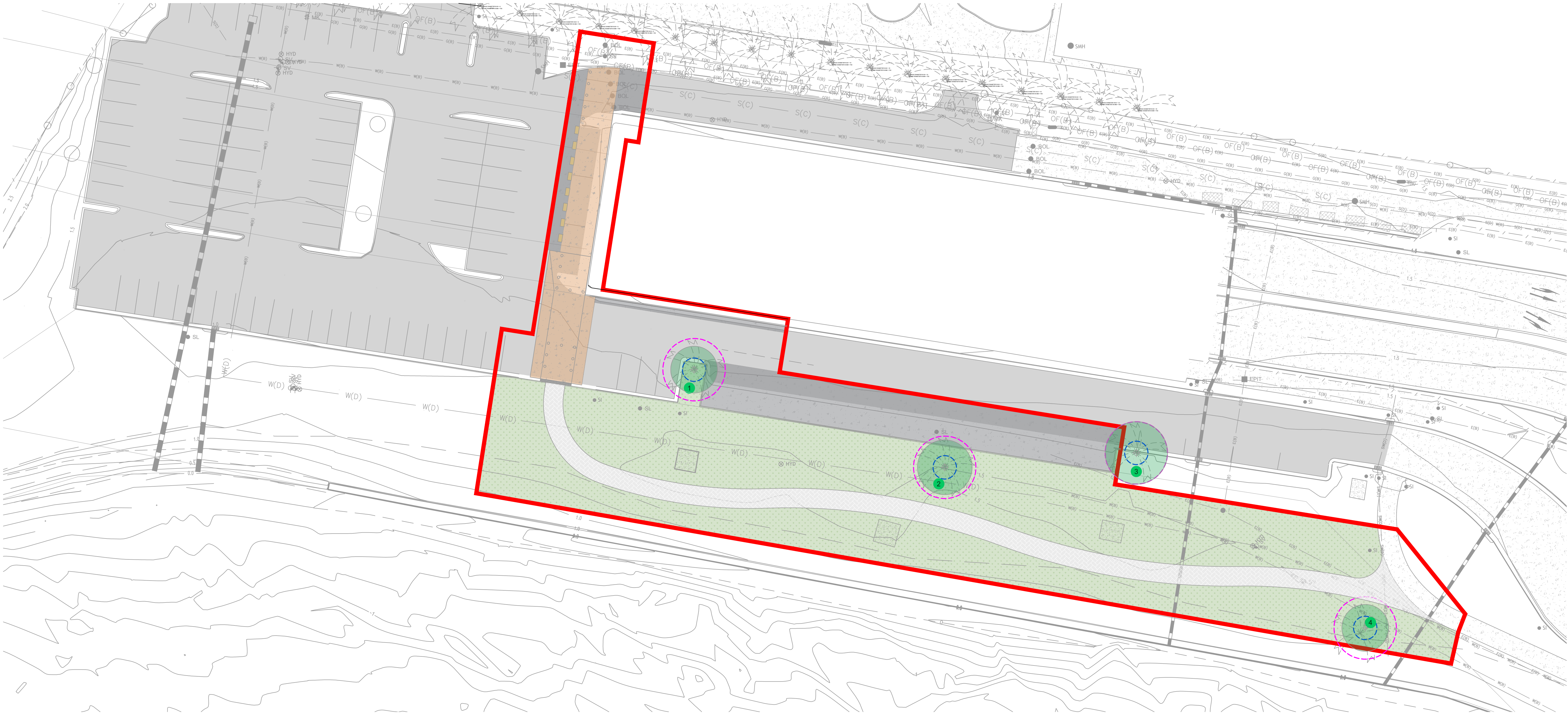
PLAN TITLE LANDSCAPE HARDSCAPE SCHEDULES 1

MATERIALS AND FINISHES SCHEDULE - AREA 1								
Location	Code	Item	Description	Supplier Detail	Procurement Requirements	QTY	Drawing Reference	Image (Color and finish as mentioned in table)
Area 1	AS-1	Asphalt pavement	New asphalt pavement, including pavement build-up and smooth sawcut connection to existing pavement. Material, thickness, levels, falls, base preparation and compaction to Engineering Drawings and Specification.	Supplier - TBC Email: TBC Phone: TBC	Submit asphalt mix details for approval prior to construction. Construct in accordance with Engineering Drawings, Specification and Central Coast Council requirements.	395.5 m ²	Refer to LTN 202 and Engineering Details	Refer to Engineering Details
Area 1	CC-1	Coloured concrete paving	Brand: Boral Product: Colori® Coloured Concrete Material: Full-depth coloured insitu concrete with integral mineral oxide pigment Colour: Toffee Finish: Fine, uniform broom finish	Supplier - Boral Concrete Phone: 1300 552 555 Website: www.boral.com.au	Manufacturer's technical data, concrete mix details, physical colour sample and sample panel demonstrating the proposed Toffee colour, fine broom texture, joint treatment and completed surface finish are to be submitted for Landscape Architect's approval prior to procurement and construction. Concrete supply is to comply with AS 1379 and Engineering Drawings and Specification. Maintain consistent concrete source, pigment dosage, batching, placement, finishing and curing methods throughout the works.	96.6 m ²	Refer to LTN 202 and Engineering Details	
Area 1	CPC	Raised concrete pedestrian crossing	Colour provider: Boral Colour system: Colori® Coloured Concrete Colour: Toffee – to match CC-1 Material: Full-depth coloured insitu concrete with integral mineral oxide pigment Finish: Fine, uniform broom finish Raised pedestrian crossing, including ramps, platform, joints, pavement markings, interfaces and connections to adjacent pavements. Design, materials, dimensions, levels, falls and construction to Engineering Drawings and Central Coast Council Standard Drawing SD0908.	Concrete contractor: TBC Colour provider: Boral Concrete Phone: 1300 552 555 Website: www.boral.com.au	Concrete colour and finish to match CC-1. Submit physical colour sample and sample panel for Landscape Architect's approval prior to construction. Construct in accordance with Civil Engineering Drawings and Specification, Central Coast Council Standard Drawing SD0908, AS 1742.10 and relevant Austroads requirements. Submit proposed materials and construction details for approval prior to construction.	103.3 m ²	Refer to LTN 202, Engineering Details and Central Coast Council SD0908	
Area 1	PAV-1	Coloured concrete paving – broom finish	Brand: Boral Product: Colori® Coloured Concrete Material: Full-depth coloured insitu concrete with integral mineral oxide pigment Colour: Tungsten – deep industrial grey Finish: Fine, uniform broom finish	Supplier: Boral Concrete Phone: 1300 552 555 Website: www.boral.com.au	Submit manufacturer's technical data, concrete mix details, physical colour sample and sample panel demonstrating the proposed Tungsten colour, fine broom texture, joint treatment and completed surface finish for Landscape Architect's approval prior to procurement and construction. Concrete supply to comply with AS 1379 and Engineering Drawings and Specification. Maintain consistent concrete source, pigment dosage, batching, placement, finishing and curing methods throughout the works.	308.7 m ²	Refer to LTN 202 and Engineering Details	
Area 1	BG-1	Stainless steel bridging grate	Brand: ACO Product: Type 847D Stainless Wedgewire Heelsafe® Anti-Slip grate Material: Grade 304 stainless steel Colour: Natural stainless steel Finish: Wedgewire Heelsafe® Anti-Slip, P3 slip rating Size: 1000 mm (L) × 338 mm (W) × 30 mm (D) Slot Width: 6 mm maximum Load Rating: AS 3996 Load Class B (80 kN) Locking System: DrainLok barless and boltless locking system	Supplier - ACO Pty Ltd Email: sales@acoaus.com.au Phone: 1300 765 226 Website: www.acodrain.com.au	Manufacturer's Detail	4	Refer to LTN 202	

FINISHES SCHEDULE - AREA 3								
Location	Code	Item	Description	Supplier Detail	Procurement Requirements	QTY	Drawing Reference	Images (Reference only)
Area 3	PAV-1	Standard concrete finish - Broom finish	Material: concrete Colour: Light Grey Finish: Manufacturer Size:	Supplier - TBC Email: TBC Phone: TBC	Manufacturer's Detail	83 m ²	LTN 403	
Area 3	PAV-2	Sandblasted concrete finish	Material: concrete Colour: Light Grey Finish: Manufacturer Size:	Supplier - TBC Email: TBC Phone: TBC	Manufacturer's Detail	171 m ²	LTN 403	
Area 3	RG-1	Reinforced grass	Brand: TRUEGRID Product: Pro Plus S-Flex 48 Commercial Paver	Supplier - TRUEGRID Email: sales@truegridpaver.com.au Phone: 1300 796 018	Manufacturer's Detail	143 m ²	LTN 403	

MATERIALS AND FINISHES SCHEDULE - AREA 2								
Location	Code	Item	Description	Supplier Detail	Procurement Requirements	QTY	Drawing Reference	Image (Color and finish as mentioned in table)
Area 2	PAV-3	Concrete pavement with metal fish inlays	Brand: Boral Product: Colori® Coloured Concrete Material: Full-depth coloured insitu concrete with integral mineral oxide pigment and decorative metal fish inlays Colour: Tungsten – deep industrial grey, subject to approved sample Concrete finish: Uniform matt, slip-resistant finish suitable for external pedestrian use Inlay material: Marine-grade stainless steel, Grade 316, satin finish, subject to approved sample Inlay size: Approx. 100 mm long Inlay quantity: 605 No. Pattern: Fish inlays distributed throughout the nominated pavement area; layout and density to Landscape Architect's drawings Pavement thickness and reinforcement: Refer to Engineering Drawings and Specification	Concrete supplier: Boral Concrete Phone: 1300 552 555 Website: www.boral.com.au Metalwork fabricator: TBC	Submit concrete finish sample, metal inlay sample, coordinated shop drawings and minimum 1,000 × 1,000 mm full-size pavement mock-up for review and approval by the Landscape Architect prior to construction. Inlays to be securely fixed, installed flush with the finished concrete surface and free of sharp edges, projections or trip hazards. Provide slip-resistance test data for the completed finish.	218.9 m ²	Refer to LTN 302, LTN 304, 3/LTN 701 and Engineering Details	 
Area 2	PAV-4	Concrete pavement with sandblasted "earth" pattern	Brand: Boral Product: Colori® Coloured Concrete Material: Full-depth coloured insitu concrete with integral mineral oxide pigment and decorative sandblasted pattern Colour: Grey Mist – soft cloudy grey, subject to approved sample. Finish: Fine, uniform broom finish with selectively medium-grit sandblasted pattern suitable for external pedestrian use Pattern geometry: Refer to Landscape Architect's drawings and coordinated shop drawings Pavement thickness and reinforcement: Refer to Engineering Drawings and Specification	Concrete supplier: Boral Concrete Phone: 1300 552 555 Website: www.boral.com.au Specialist contractor: TBC	Submit coordinated shop drawings, concrete colour and finish samples, and minimum 1,000 × 1,000 mm full-size pavement mock-up demonstrating the sandblasted pattern for review and approval by the Landscape Architect prior to construction. Pattern geometry, scale, set-out and alignment across construction, control and expansion joints to conform to the Landscape Architect's drawings.	126.5 m ²	Refer to LTN 302, LTN 304, 3/LTN 701 and Engineering Details	 
Area 2	PAV-5	Concrete pavement with sandblasted "sea grass" pattern	Brand: Boral Product: Colori® Coloured Concrete Material: Full-depth coloured insitu concrete with integral mineral oxide pigment and decorative sandblasted sea grass pattern Colour: Silver – light metallic tone, subject to approved sample Finish: Fine, uniform broom finish with selectively medium-grit sandblasted sea grass pattern suitable for external pedestrian use Pattern geometry: Refer to Landscape Architect's drawings and coordinated shop drawings Pavement thickness and reinforcement: Refer to Engineering Drawings and Specification	Concrete supplier: Boral Concrete Phone: 1300 552 555 Website: www.boral.com.au Specialist contractor: TBC	Submit coordinated shop drawings, concrete colour and finish samples, and minimum 1,000 × 1,000 mm full-size pavement mock-up demonstrating the sandblasted sea grass pattern for review and approval by the Landscape Architect prior to construction. Pattern geometry, scale, set-out and alignment across construction, control and expansion joints to conform to the Landscape Architect's drawings.	205.3 m ²	Refer to LTN 302, LTN 304, 3/LTN 701 and Engineering Details	 

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	Johnson Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohnson.com.au	CLIENT	Hunter & Central Coast Development Corporation	PROPERTY DESCRIPTION	PROJECT					
A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION. 2. DRAWINGS TO BE READ IN CONJUNCTION WITH CIVIL DRAWINGS AND SPECIFICATION. 3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. 4. DO NOT SCALE FROM DRAWING – REFER DIMENSIONS. 5. SERVICE LOCATIONS ON PLANS ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE SERVICE LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DAMAGES TO SERVICES TO BE REPORTED TO PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY. ANY DAMAGES TO SERVICES TO BE RECTIFIED AT THE COST OF THE CONTRACTOR. 6. DIAL BEFORE YOU DIG. 7. ALL WORK TO BE UNDERTAKEN BY LICENSED MEMBER OF THE LANDSCAPE CONTRACTOR ASSOCIATION. 8. ALL WORK TO BE COMPLETED TO RELEVANT AUSTRALIAN STANDARDS AND TO NATIONAL CONSTRUCTION CODES.		HCCDC		GOSFORD, NSW	GOSFORD WATERFRONT					
B	01.06.26	70% Issue	AK / DSH	BRO							PLAN TITLE				
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO							LANDSCAPE HARDSCAPE SCHEDULES 2				
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO											
					SCALES				STATUS						
									100% ISSUE	PROJECT No.	DISCIPLINE	PREFIX	NUMBER	REV.	
										191143	LA		LTN 502	D	



- LEGEND**
-  Existing Tree to be Retained
Refer to Arboricultural Impact Assessment & Tree Protection Plan
 -  SRZ - Structural Root Zone
 -  NRZ - Nominal Root Zone

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	 		CLIENT HCCDC	 		PROPERTY DESCRIPTION GOSFORD, NSW	PROJECT GOSFORD WATERFRONT			
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B	01.06.26	70% Issue	AK / DSH	BRO								PROJECT No. 191143	DISCIPLINE LA	PREFIX	NUMBER LTN 600
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO											
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO											
					SCALES A1 1:250 0 5.0 10.0 12.5m A3 1:500										

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- LEGEND**
- Existing Tree to be Retained
Refer to Arboricultural Impact Assessment & Tree Protection Plan
 - SRZ - Structural Root Zone
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REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES					
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C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO	3. REPORT ANY DISCREPANCIES IN DRAWINGS, CONTRACT AND SPECIFICATION TO THE PROJECT LANDSCAPE ARCHITECT OR PROJECT MANAGER IMMEDIATELY.					
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO	4. DO NOT SCALE FROM DRAWING - REFER DIMENSIONS.					
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						SCALES				
						A1 1:250 0 5.0 10.0 12.5m A3 1:500				
						CLIENT HCCDC Hunter & Central Coast Development Corporation				
						PROPERTY DESCRIPTION GOSFORD, NSW				
						STATUS 100% ISSUE				
						PROJECT GOSFORD WATERFRONT				
						PLAN TITLE LANDSCAPE TREE RETENTION PLAN - AREA 2				
						PROJECT No. 191143	DISCIPLINE LA	PREFIX	NUMBER LTN 601	REV. D

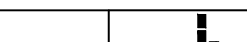


LEGEND

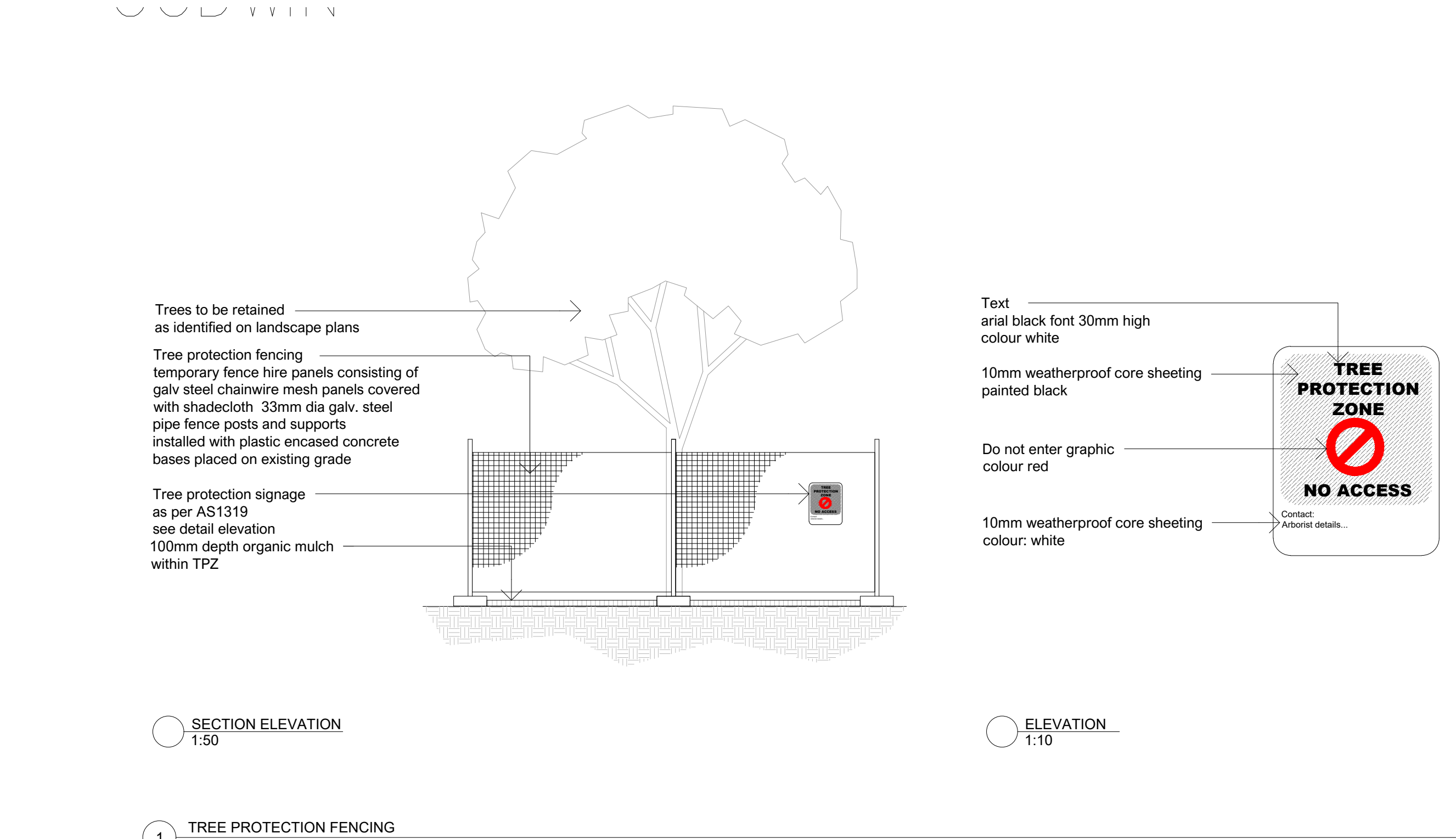
Existing Tree to be Retained
Refer to Arboricultural Impact Assessment & Tree Protection Plan

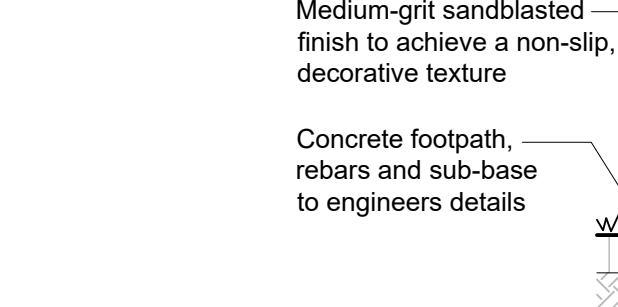
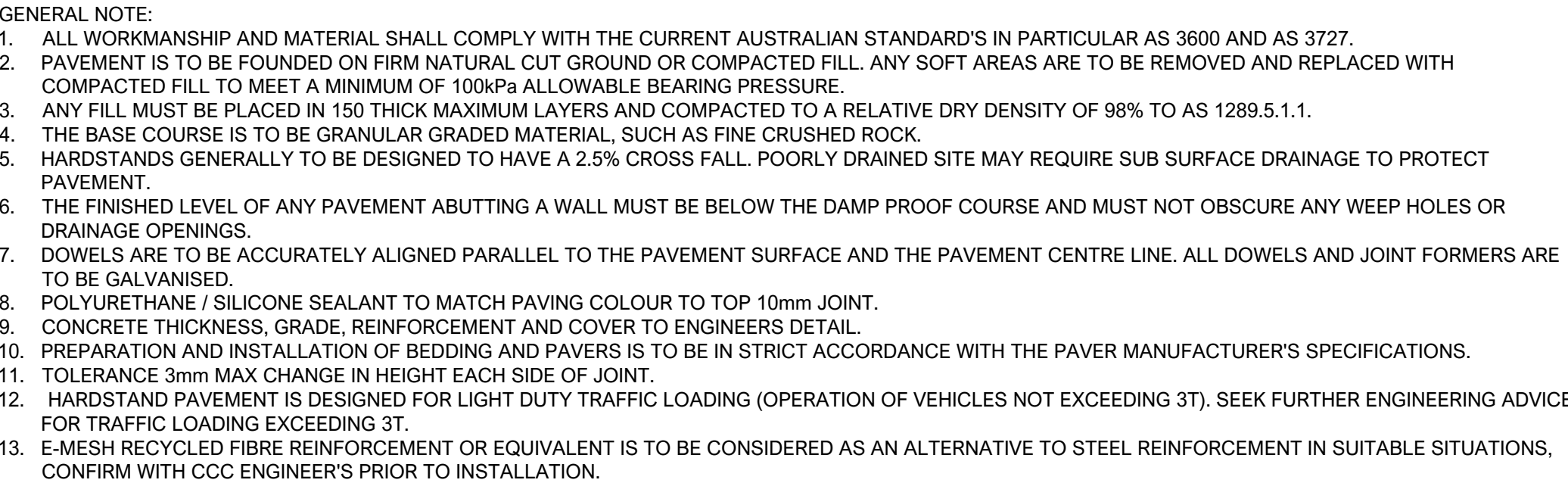
SRZ - Structural Root Zone

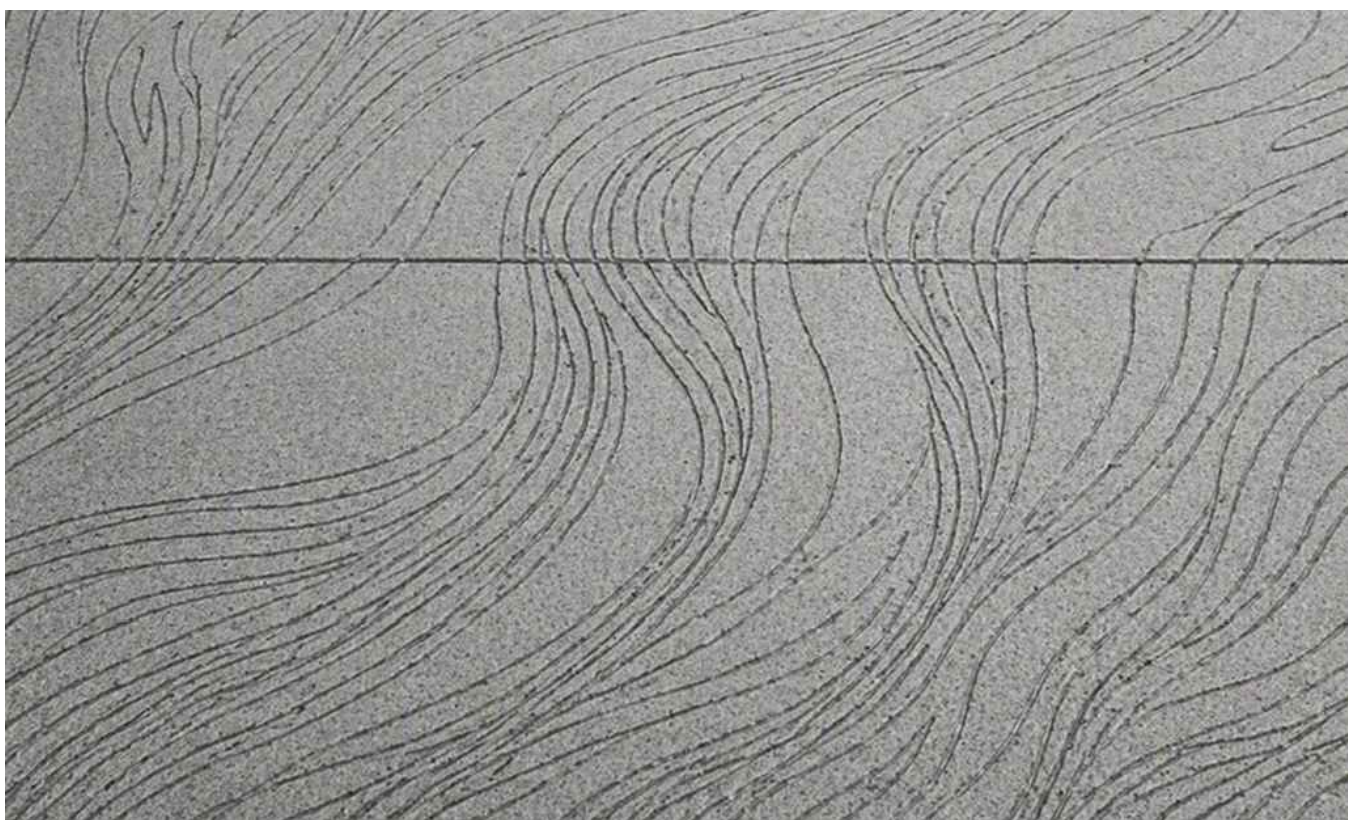
NRZ - Nominal Root Zone

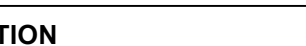
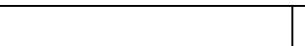
REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	 		CLIENT	PROPERTY DESCRIPTION	PROJECT	
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B	01.06.26	70% Issue	AK / DSH	BRO							
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO							
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO							
					SCALES A1 1:250 0 5.0 10.0 12.5m A3 1:500					PLAN TITLE LANDSCAPE TREE RETENTION PLAN - AREA 3	

No	Scientific Name	Common Name	Height (m)	Crown Spread (Average) (m)	DSH (m)	NRZ (m)	DAB (m)	SRZ (m)	Total canopy area (m2)	Retention Value	Age Class	Stucture
1	Phoenix canariensis	Canary Island Date Palm	11	3	0.67	4	0.75	1.5	28.27	High	Mature	Good
2	Phoenix canariensis	Canary Island Date Palm	6	3.5	0.7	4	0.85	1.5	38.48	High	Mature	Good
3	Phoenix canariensis	Canary Island Date Palm	14	4	0.68	4	0.85	1.5	50.27	High	Mature	Good
4	Phoenix canariensis	Canary Island Date Palm	6	3	0.5	4	0.7	1.5	28.27	Moderate	Mature	Fair
5	Ficus microcarpa var. 'Hillii'	Hills Weeping Fig	14.5	8.38	0.83	9.96	0.89	3.15	220.62	High	Mature	Fair
6	Ficus rubiginosa	Port Jackson Fig	10.4	8.5	0.65	7.8	0.71	2.87	226.98	High	Semi- Mature	Good
7	Lophostemon confertus	Brush Box	14	7.5	0.64	7.68	0.73	2.9	176.71	High	Mature	Good
8	Lophostemon confertus	Brush Box	14	7.5	0.78	9.36	0.93	3.21	176.71	High	Mature	Good
9	Araucaria heterophylla	Norfolk Island Pine	31.5	4.25	0.93	11.16	1.09	3.43	56.75	Moderate	Mature	Fair
10	Lophostemon confertus	Brush Box	12	6.5	0.71	8.52	0.83	3.06	132.73	High	Mature	Fair
11	Lophostemon confertus	Brush Box	14	4.75	0.41	4.92	0.53	2.53	70.88	Moderate	Mature	Good
12	Lophostemon confertus	Brush Box	14	6	0.64	7.68	0.71	2.87	113.1	High	Mature	Good
13	Lophostemon confertus	Brush Box	12	5.75	0.43	5.16	0.51	2.49	103.87	High	Mature	Good
14	Lophostemon confertus	Brush Box	14.5	5.75	0.63	7.56	0.74	2.92	103.87	High	Mature	Fair
15	Lophostemon confertus	Brush Box	12	4.25	0.57	6.84	0.69	2.83	56.75	Moderate	Mature	Fair
16	Lophostemon confertus	Brush Box	16	6	0.59	7.08	0.69	2.83	113.1	High	Mature	Good
17	Lophostemon confertus	Brush Box	12	5.5	0.68	8.16	0.81	3.03	95.03	High	Mature	Good
18	Lophostemon confertus	Brush Box	14	5.5	0.68	8.16	0.81	3.03	95.03	High	Mature	Fair
19	Casuarina glauca	Swamp Oak	12	2.75	0.3	3.6	0.5	2.47	23.76	Low	Mature	Fair



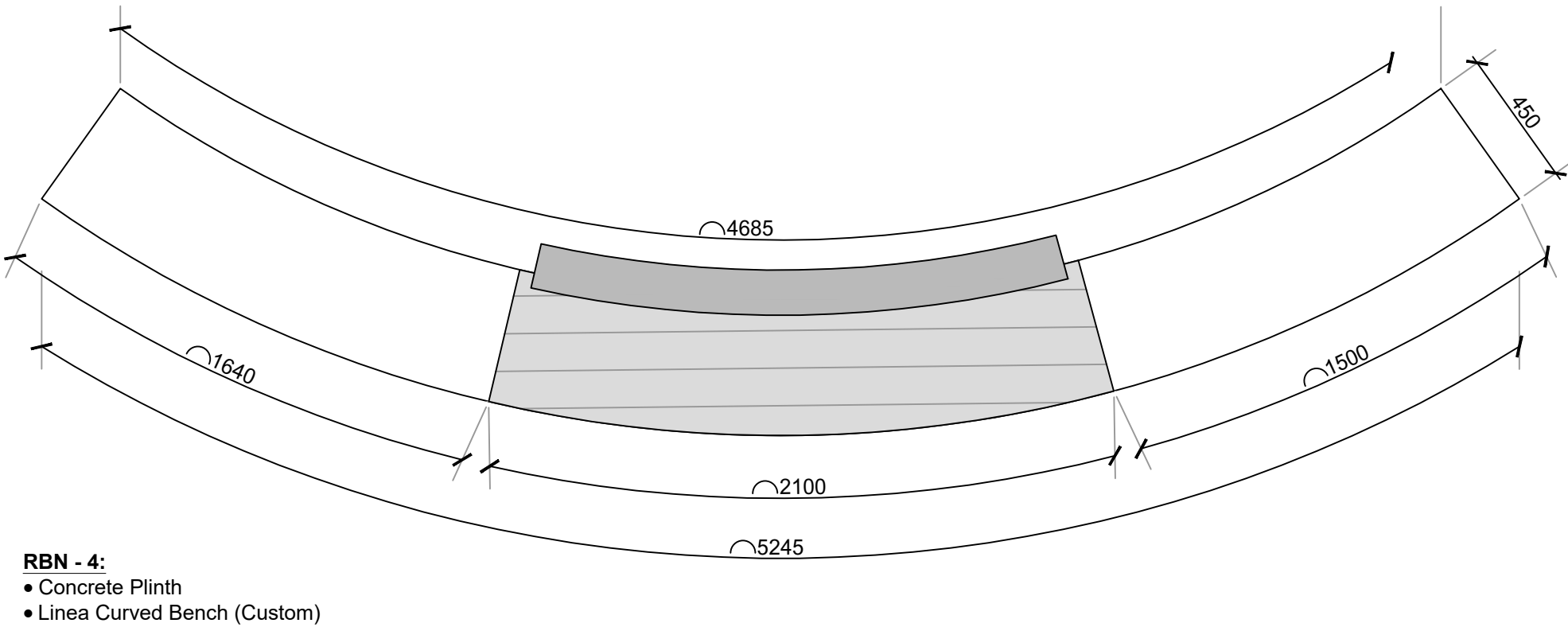




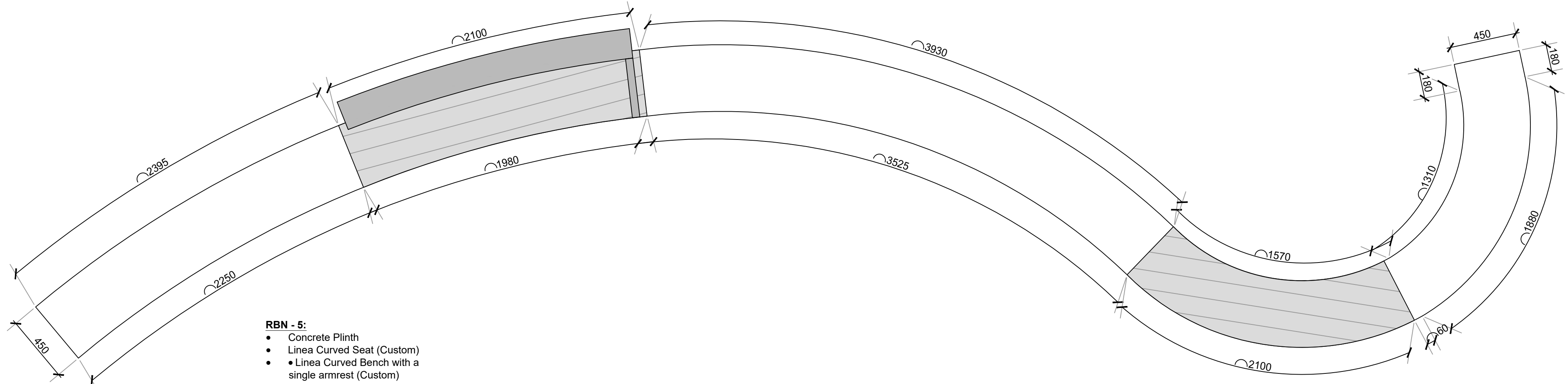
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A	26.05.26	Early works Issue	AK / DSH	BRO	1. DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT AND SPECIFICATION.
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					 Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohanson.com.au  Hunter & Central Coast Development Corporation
					PROPERTIES DESCRIPTION GOSFORD, NSW PROJECT GOSFORD WATERFRONT PLAN TITLE LANDSCAPE HARDWORKS DETAILS 2
					STATUS 100% ISSUE PROJECT No. 191143 DISCIPLINE LA PREFIX NUMBER LTN 701 REV. D
					SCALES



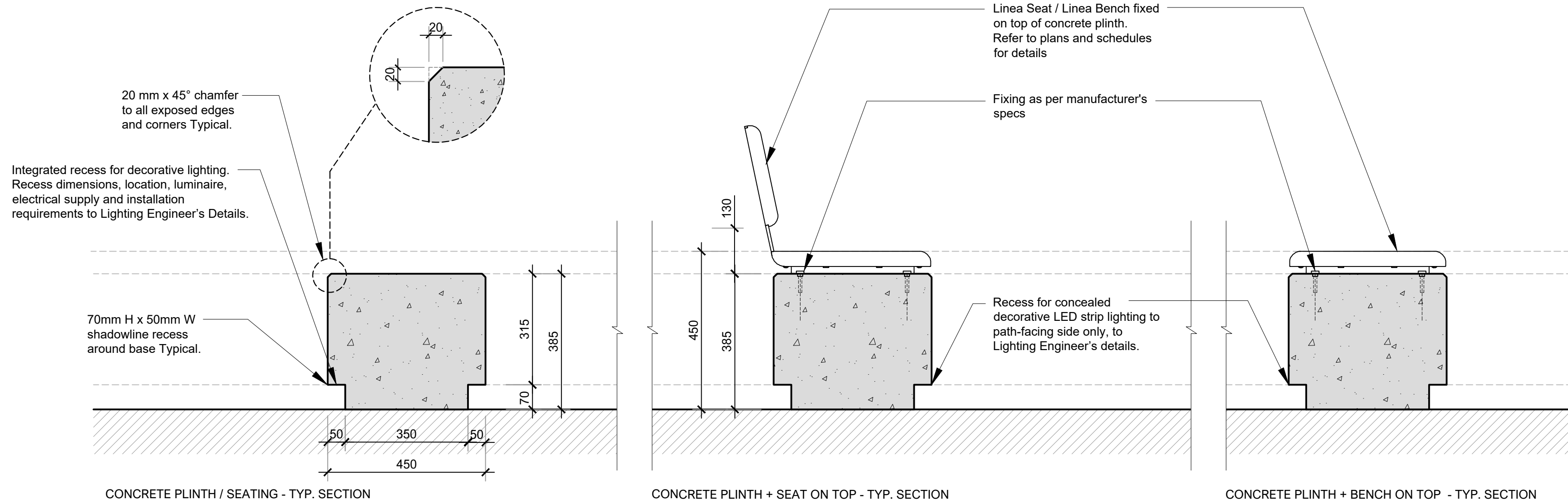
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10 CONCRETE SEATING (RBN - 4) DETAIL - AREA 2

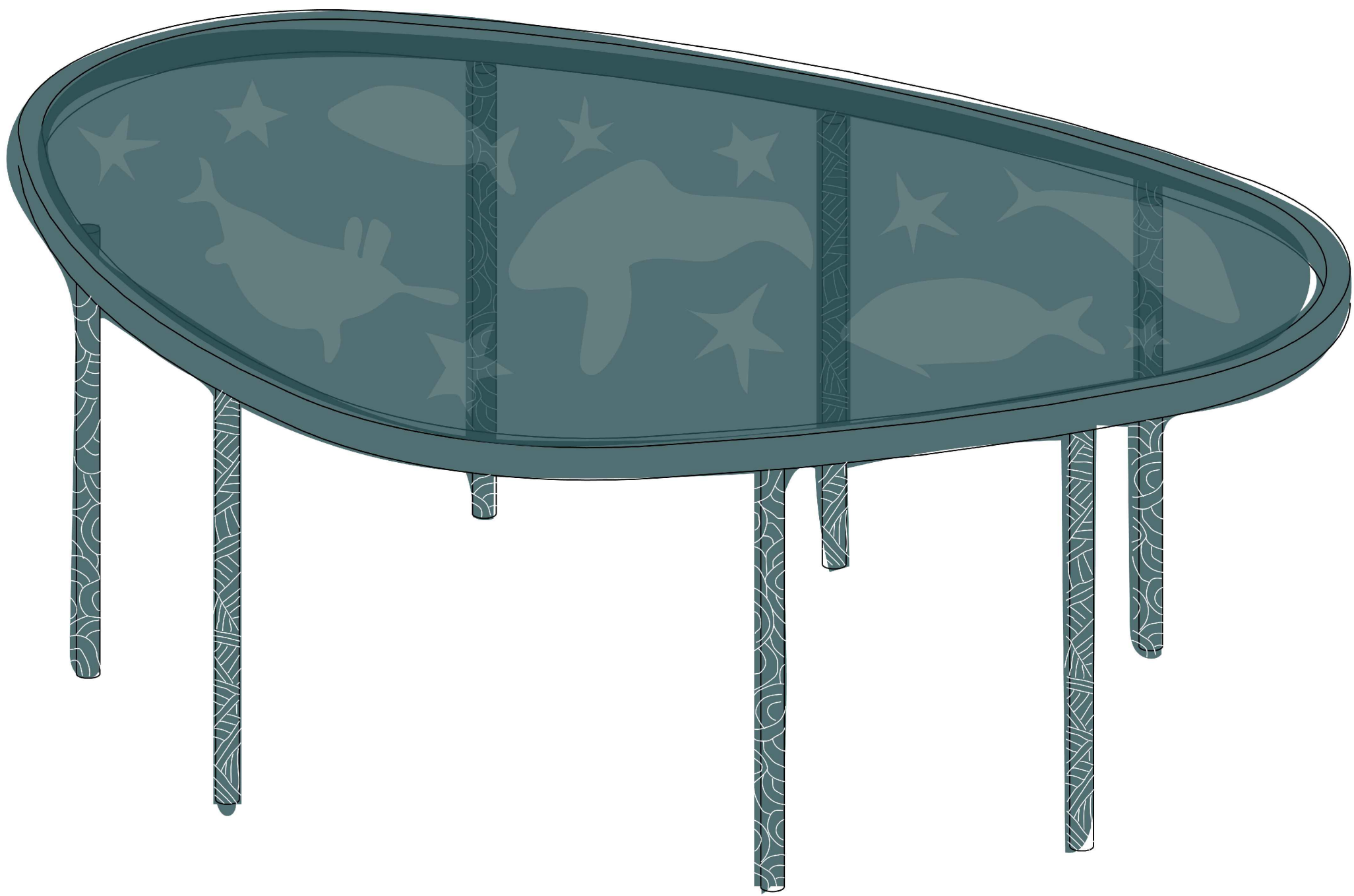
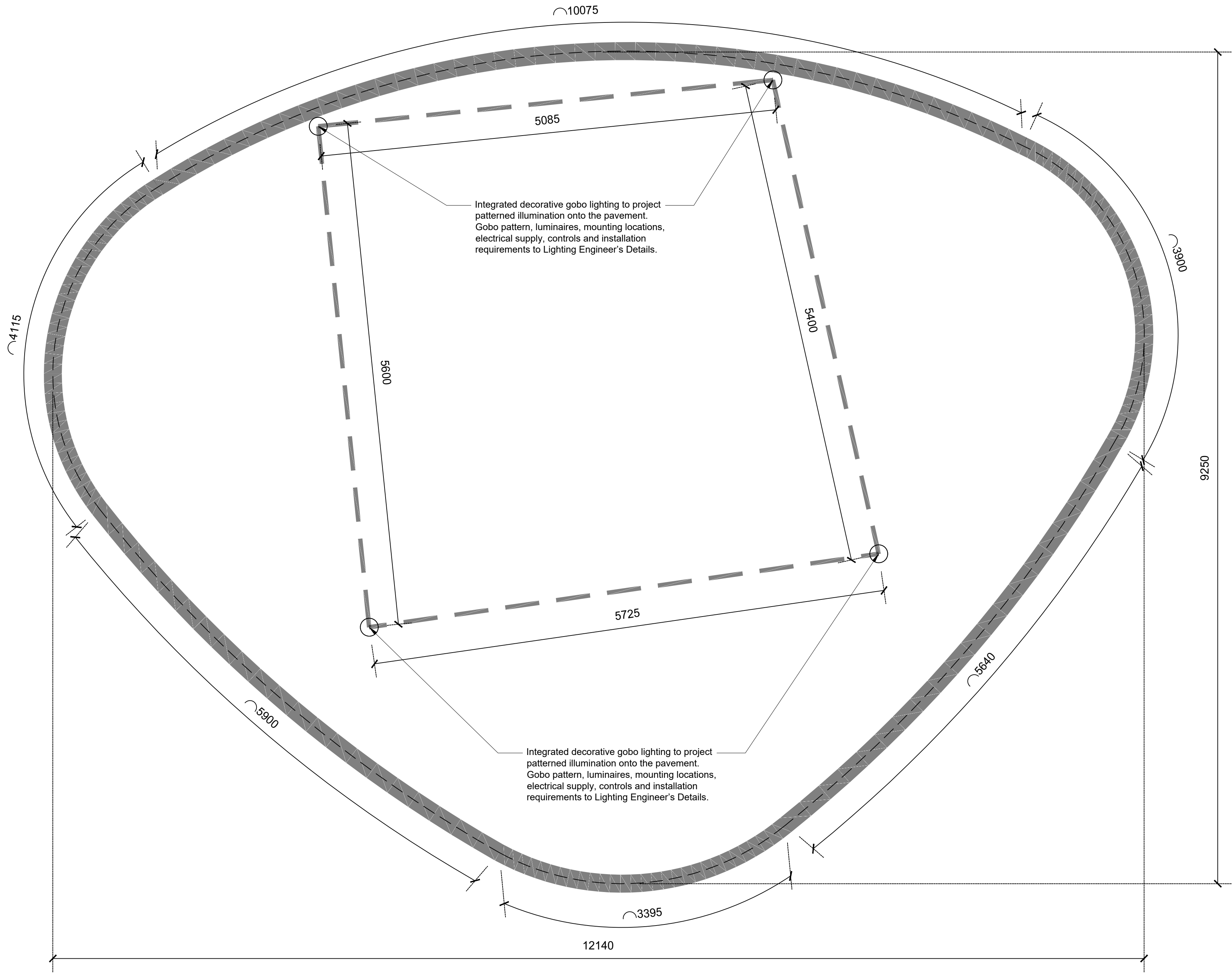


11 CONCRETE SEATING (RBN - 5) DETAIL - AREA 2



12 CONCRETE PLINTH / SEATING - TYPICAL SECTION DETAILS - AREA 1, 2 & 3

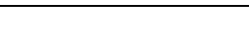
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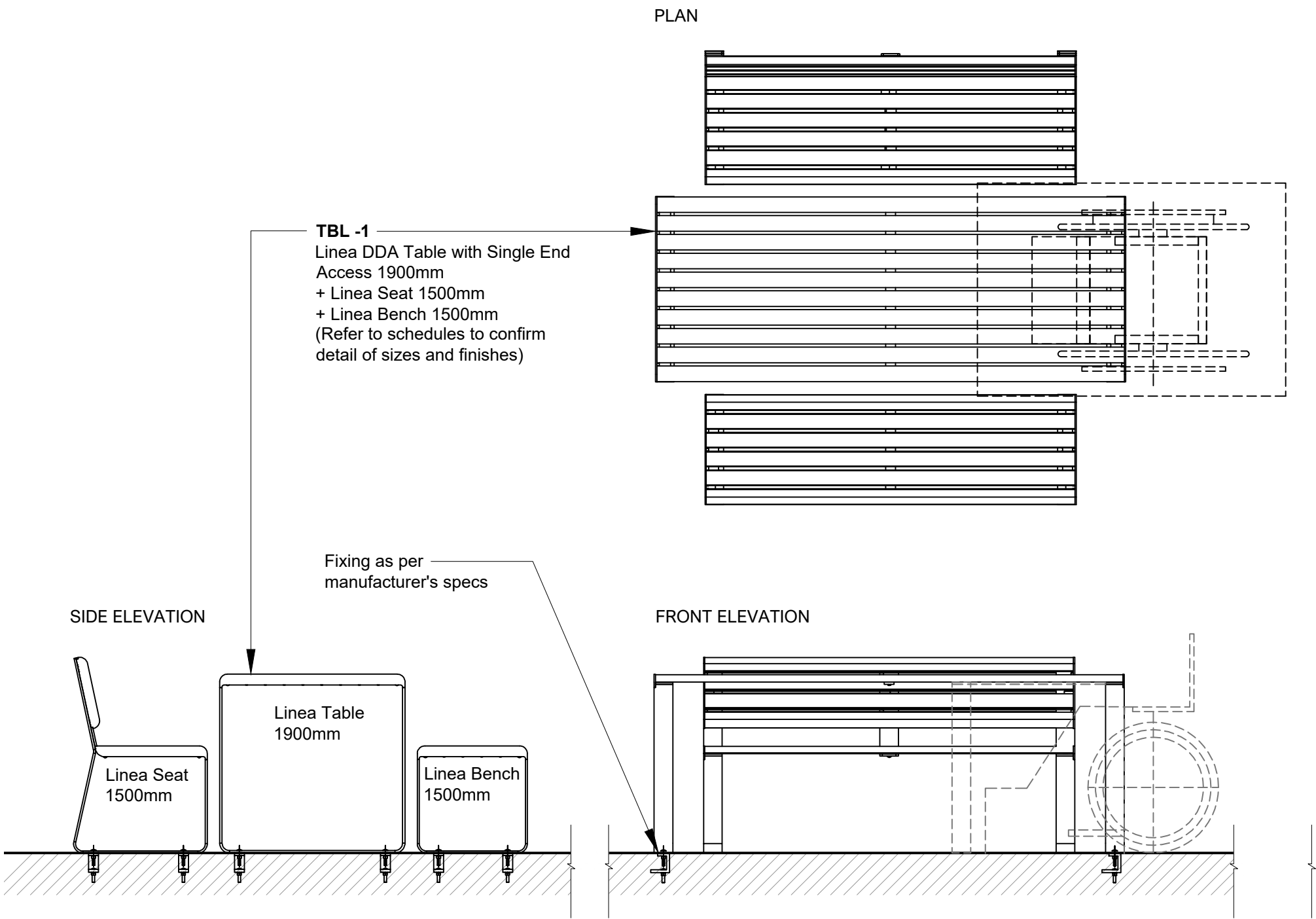


13 SHADE STRUCTURE WITH BESPOKE DESIGN - AREA 2
SCALE 1:30

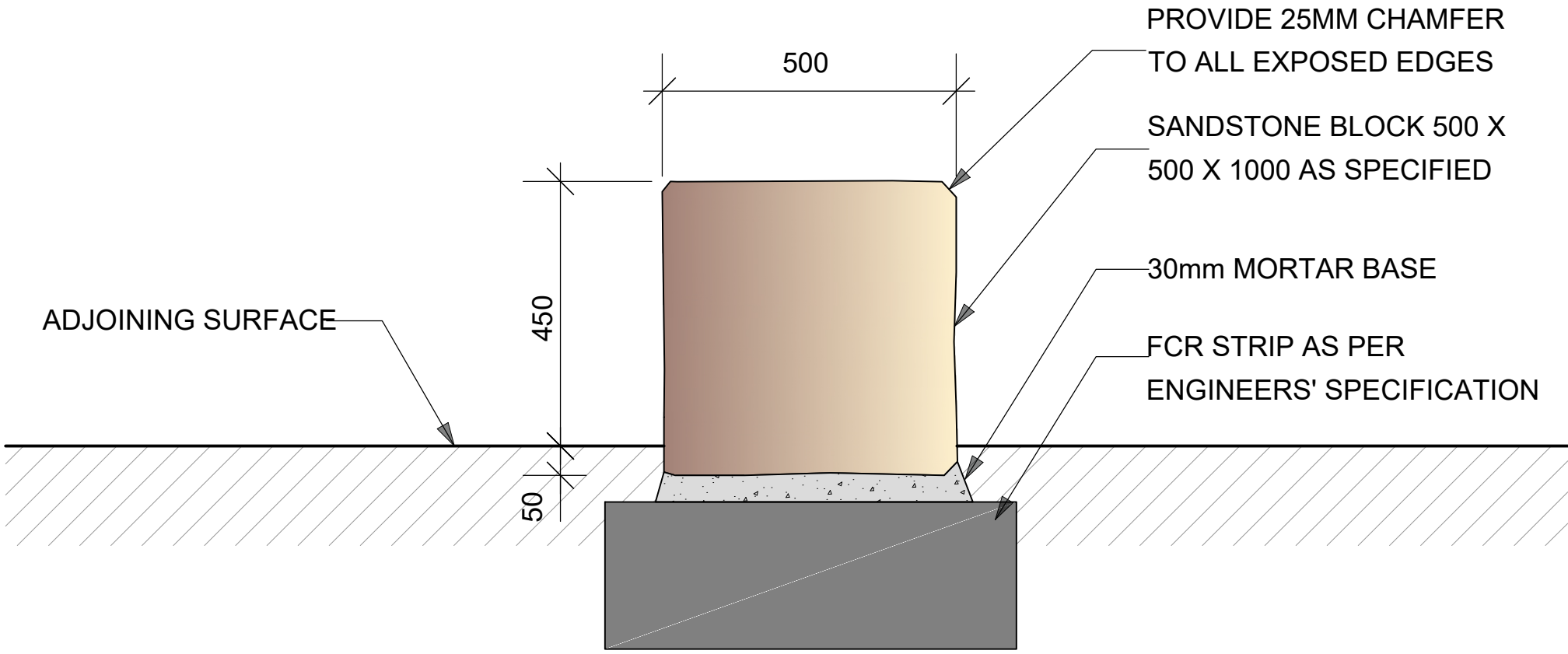
SHADE STRUCTURE NOTE:

- Overall dimensions, levels, structural framing, member sizes, connections, footings and all structural requirements to Structural Engineering Drawings.
- Materials: Steel structure with custom-pattern perforated powder-coated canopy.
- Canopy pattern and powder-coated finish to Landscape Architect's drawings. Colour: Custom powder-coat colour to match Dulux Deep Aqua S32B9. Submit pattern sample and powder-coated finish sample panel for review and approval by the Landscape Architect prior to fabrication.
- Marine-grade powder-coated finish suitable for external coastal environments.
- Integrated decorative gobo lighting to project patterned illumination onto the pavement. Gobo pattern, luminaires, mounting locations, electrical supply, controls and installation requirements to Lighting Engineer's Details.
- Coordinate landscape, structural and lighting requirements prior to fabrication and installation.

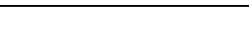
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B	01.06.26	70% Issue	AK / DSH	BRO					PLAN TITLE LANDSCAPE HARDWORKS DETAILS 5						
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO											
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO	SCALES										

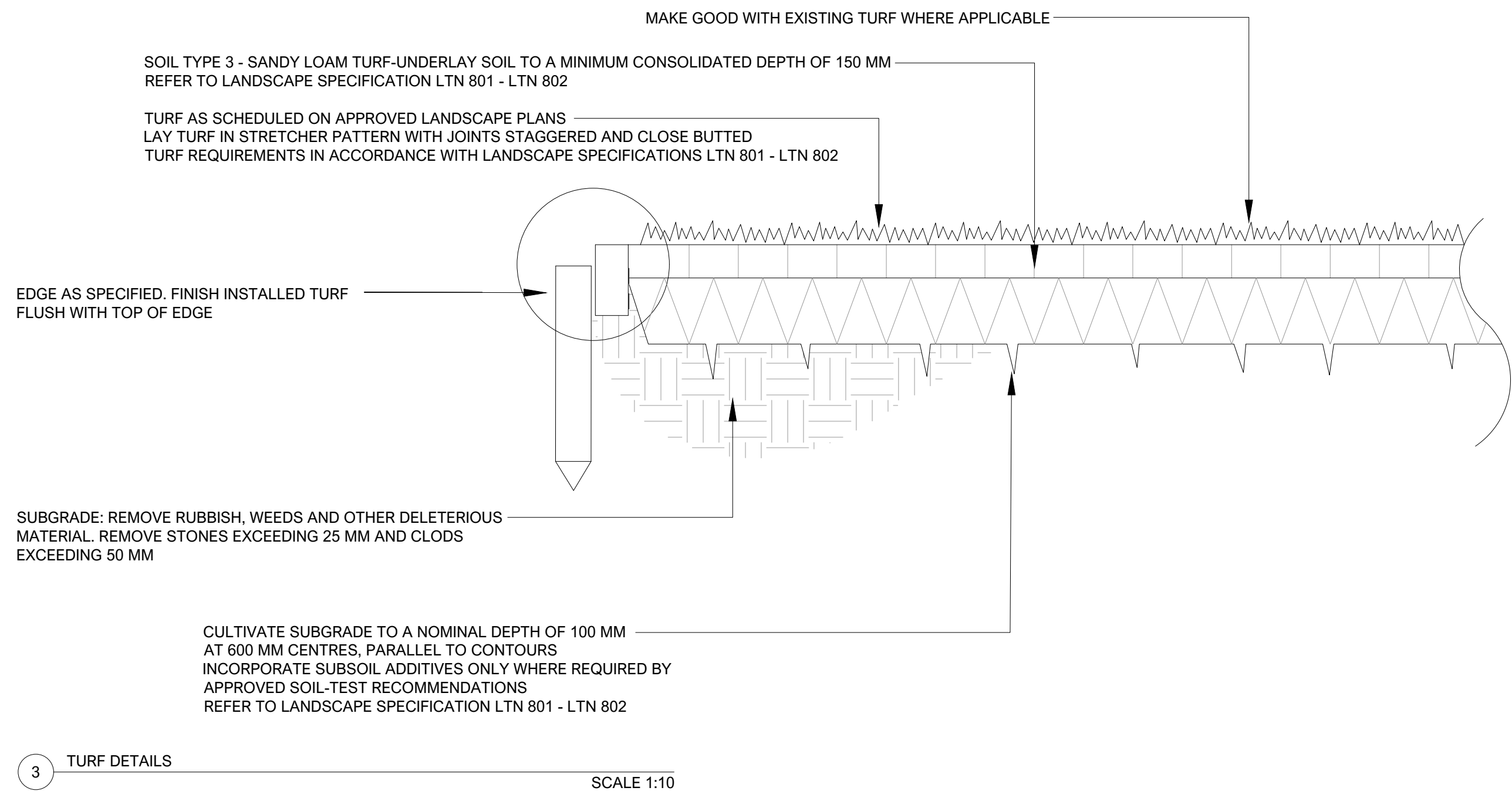
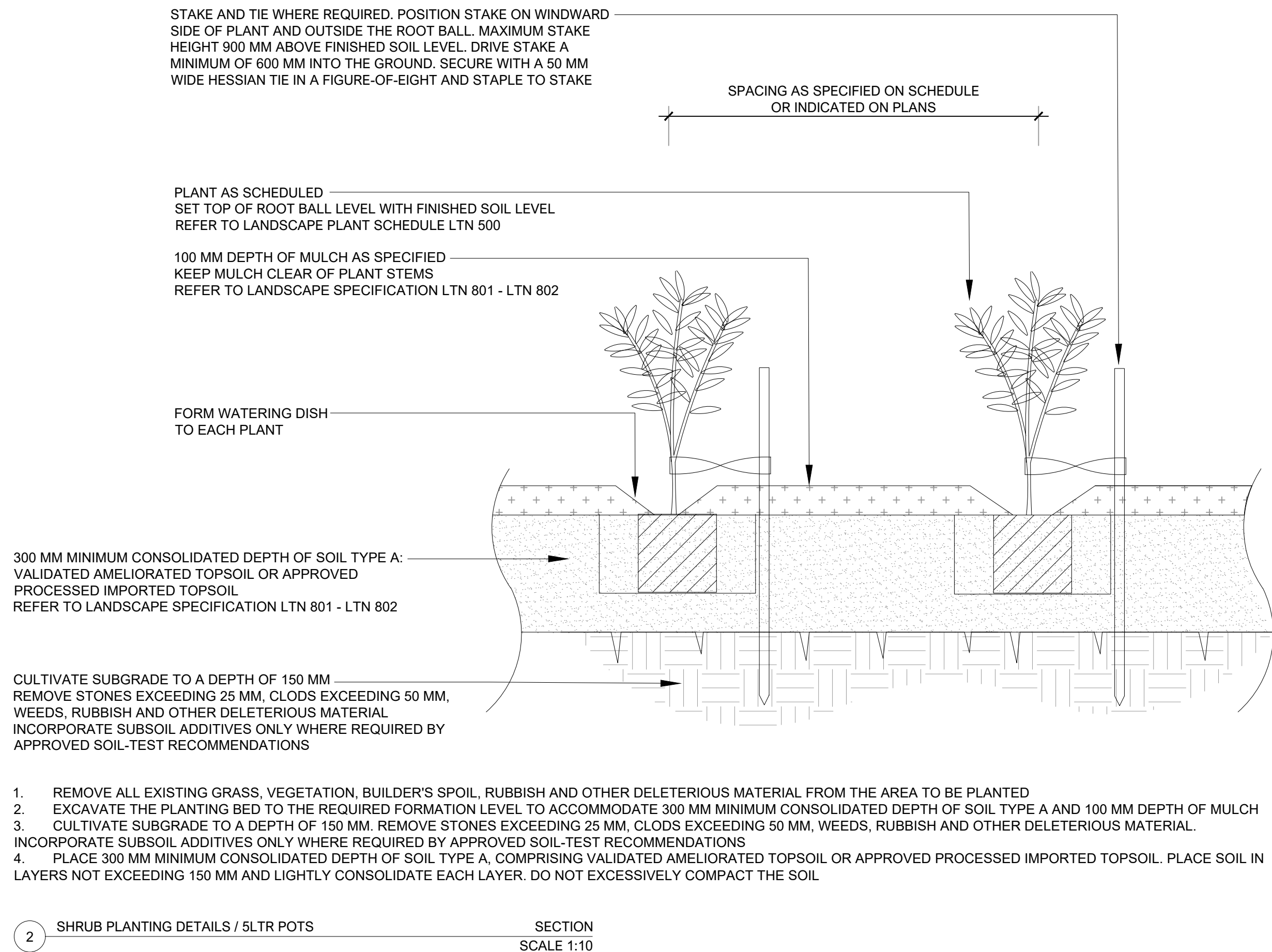
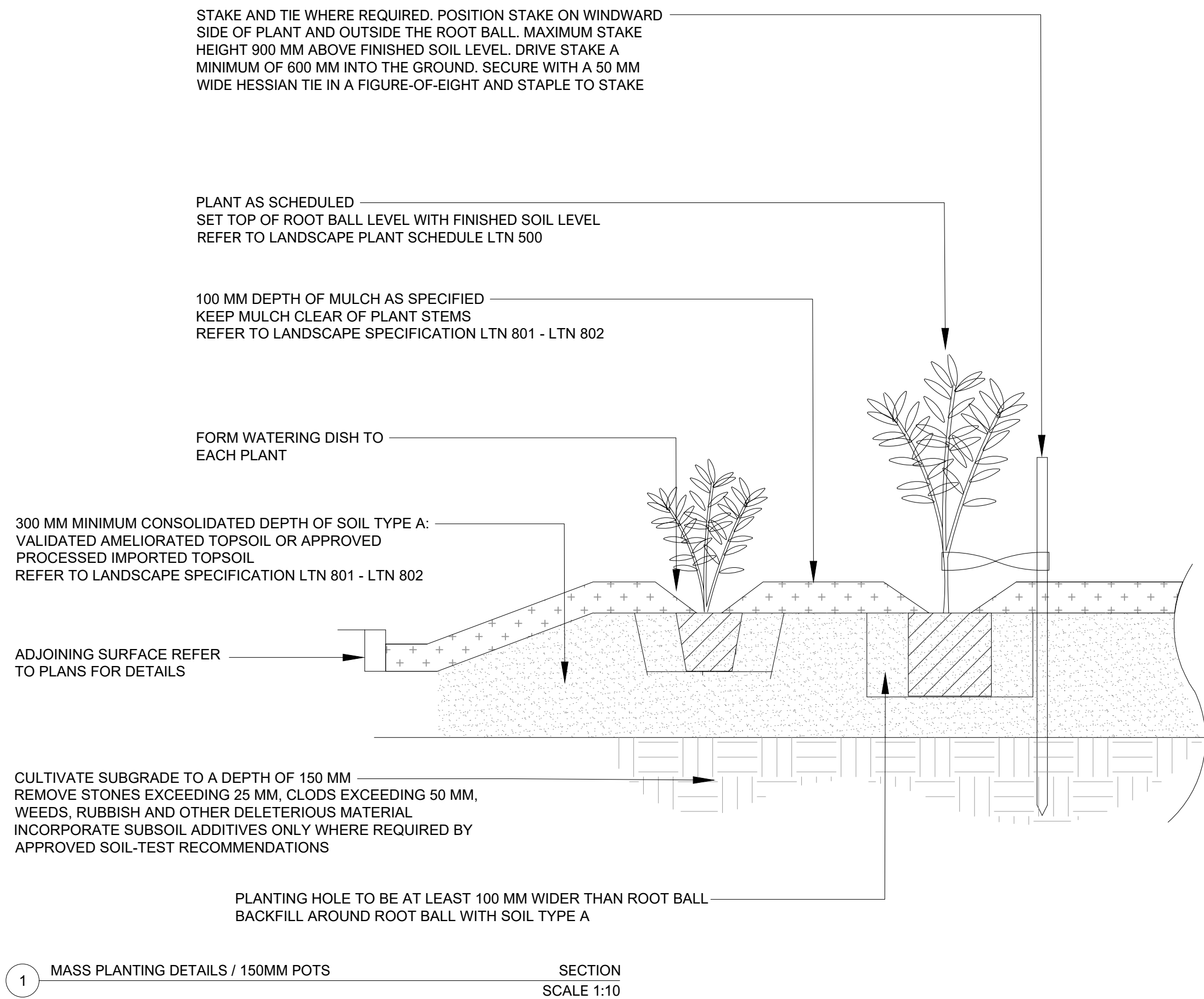


14 **TABLE (TBL - 1) SURFACE MOUNTED - AREA 3** SCALE 1:20



15 **BOL-3 SANDSTONE VEHICLE BARRIER - AREA 1** SCALE 1:10

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	 	Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohnson.com.au	 Hunter & Central Coast Development Corporation	PROPERTY DESCRIPTION					PROJECT				
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D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO														
SCALES					STATUS					PROJECT No.	DISCIPLINE	PREFIX	NUMBER	REV.				
					100% ISSUE					191143	LA		LTN 705	D				



- GENERAL NOTE:
- ALL TREES ARE TO COMPLY WITH AS 2303. TREES SHALL BE TRUE TO SPECIES AND TYPE, VIGOROUS, HEALTHY, FREE FROM PESTS AND DISEASE, AND FREE FROM DEFECTS THAT MAY AFFECT THEIR FUTURE GROWTH OR STRUCTURAL INTEGRITY.
 - TREE SPECIES SUBSTITUTION REQUIRES PRIOR WRITTEN APPROVAL FROM CENTRAL COAST COUNCIL'S REPRESENTATIVE AND THE LANDSCAPE SUPERINTENDENT OR LANDSCAPE ARCHITECT.
 - STREET TREES ARE TO HAVE A MINIMUM 100 L CONTAINER SIZE AT INSTALLATION UNLESS AN ALTERNATIVE SIZE IS APPROVED IN WRITING BY CENTRAL COAST COUNCIL'S REPRESENTATIVE.
 - REFER TO LTN 801 FOR PLANT STOCK, SOIL PREPARATION, PLANTING, ESTABLISHMENT AND MAINTENANCE REQUIREMENTS.
 - OBTAIN CURRENT BEFORE YOU DIG AUSTRALIA (BYDA) UTILITY PLANS BEFORE COMMENCING WORK.
 - LOCATE AND VERIFY ALL UNDERGROUND AND OVERHEAD SERVICES, CONNECTIONS AND POSSIBLE CONFLICTS ON SITE BEFORE COMMENCING WORK. WHERE REQUIRED, USE NON-DESTRUCTIVE EXCAVATION AND A QUALIFIED SERVICE LOCATOR. BYDA PLANS ARE INDICATIVE ONLY AND DO NOT REPLACE ON-SITE VERIFICATION.
 - ALL TIMBER IN CONTACT WITH THE GROUND SHALL BE CLASS 1 DURABILITY HARDWOOD OR H4-TREATED PINE, OR AN APPROVED EQUIVALENT SUITABLE FOR IN-GROUND USE.
 - INSTALL LINEAR ROOT BARRIER TO A MINIMUM DEPTH OF 600 MM WHERE SHOWN ON THE DRAWINGS. INSTALL THE TOP OF THE ROOT BARRIER FLUSH WITH THE SURROUNDING SOIL AND COVER WITH MULCH. DO NOT ENCIRCLE THE ROOT BALL.
 - REMOVE ALL TREE STAKES, TIES AND ASSOCIATED FIXINGS AT THE END OF THE ESTABLISHMENT AND MAINTENANCE PERIOD, UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE SUPERINTENDENT OR CENTRAL COAST COUNCIL'S REPRESENTATIVE.

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	CLIENT	PROPERTY DESCRIPTION	PROJECT
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B	01.06.26	70% Issue	AK / DSH	BRO				PLAN TITLE
C	09.07.26	100% Issue Draft Area 3	AK / DSH	BRO				LANDSCAPE SOFTWARES DETAILS
D	20.08.26	100% Issue Area 1 & Area 2	AK / DSH	BRO				
SCALES						HUNTER & CENTRAL COAST DEVELOPMENT CORPORATION		
						STATUS	PROJECT No.	DISCIPLINE
						100% ISSUE	191143	LA
							PREFIX	NUMBER
								LTN 706
							REV.	D

SPECIFICATION NOTES

WORKS ARE TO BE IN ACCORDANCE WITH CENTRAL COAST COUNCIL LANDSCAPE SPECIFICATIONS

GENERAL

1.0 PRELIMINARIES

- 1.1 All Contractors will undertake all work in a manner that is compliant with relevant State and National legislated Workplace Health and Safety requirements.
- 1.2 The specification outlines minimum acceptable standard. Any variation to standards must be approved by the Landscape Superintendent or Landscape Architect prior to project commencement.
- 1.3 Project specific variations may be appropriate as a result of site environmental or other constraints. Site specific variations and solutions are to be approved by Landscape Superintendent or Landscape Architect prior to project commencement.
- 1.4 Before works commence, the Head Contractor is to arrange a pre-start meeting with the Landscape Superintendent, relevant Council Officers/PCA, Contractor, Landscape Architect, Arborist and other consultants where applicable to clarify issues, agree on protocols and hold point requirements and establish management procedures.
- 1.5 It is the responsibility of the Contractor to report any discrepancies within the landscape documentation and site conditions to the Landscape Superintendent and be fully resolved in writing prior to proceeding with the works.
- 1.6 Ensure that all appropriate barriers, signage, fencing and pedestrian / vehicle safety measures are in place before work commences.
- 1.7 The Contractor is to confine all works within the defined property boundaries and ensure all precautions to protect adjacent property, structures and vegetation from damage during construction are in place.
- 1.8 The Contractor is to seek confirmation with local authorities or similar as appropriate for all service locations prior to commencement of works. Ensure 'Dial Before You Dig' information is always sourced and made available onsite.
- 1.9 The Contractor shall be responsible at all times for the location on site of underground services that may be encountered within the vicinity of the works. For service location the following guidance should be followed;
- 1.9.1 Refer to local authority drawings where appropriate for all existing underground services.
 - 1.9.2 Refer to civil engineering drawings for all stormwater, water and sewer services including but not limited to conduits, pipes, service pits and access points.
 - 1.9.3 Refer to electrical engineering drawings for location of all electrical services including but not limited to conduits, cables, switch-boxes and service point locations.
 - 1.9.4 Refer to drawings by others for location of all telecommunication services including but not limited to conduits, cables and service location points.
- 1.10 Protect all existing services encountered during construction works in accordance with relevant local authorities' specifications. Make good treatments of construction disturbance areas are the responsibility and cost of the contractor.
- 1.11 The Contractor is responsible for environmental management to areas defined as the scope of works area, as well as areas outside the defined scope of works where the Contractor undertakes work inclusive of stockpiles, traffic access, site compound and the like. All environmental management procedures shall be confirmed with the Landscape Superintendent and Head Contractor prior to construction works commencing.
- 1.12 The Contractor is to install all sediment and erosion control measures and maintain throughout the course of the project as outlined in the approved Sediment and Erosion Control Management Plan (SEMP). A copy of the SEMP is to be available onsite at all times.
- 1.13 Remove all weeds within the defined scope of works area as listed under the relevant Local and State Government declared plants and land protection legislation. No plant material listed within Local or State declared weed legislation shall be brought onto or installed on site.

2.0 HOLD POINTS

- 2.1 All landscape works will require the hold points outlined in Tables on **LTN 003** to be adhered to. The Contractor must ensure all hold points have been signed off by the Landscape Superintendent prior to continuation of work. Any variation to the hold points are to be approved prior to commencement.

3.0 GENERAL REQUIREMENTS

- 3.1 All landscape works are to be carried out in a manner consistent with industry best practice and guidelines presented in this specification and documentation drawings.
- 3.2 Representative samples of each landscape material outlined in the drawing schedules are to be submitted to the Landscape Superintendent, packed as to prevent cross contamination and labelled to indicate source and content.
- 3.3 No plants, plant sizes or quantities are to be substituted or altered without prior approval of the Landscape Superintendent or Landscape Architect.
- 3.4 Any alternatives to documented products, methods or systems must be accompanied by sufficient information to allow a thorough evaluation by the Landscape Superintendent prior to approval. All variations are to be approved by the Landscape Superintendent prior to commencement of works.
- 3.5 If the substitution is for any reason other than availability, submit evidence that the substitution is of;
- 3.5.1 Net enhance value to the project
 - 3.5.2 Consistent with the project design intent, approved documentation drawings and is as effective as the identified item, detail or method.
 - 3.5.3 Levels are to be read in conjunction with engineering plans and confirmed on site prior to commencement with the Superintendent and Landscape Architect.

4.0 TREE PROTECTION

- 4.1 All tree protection measures for existing trees to be retained are to be in accordance with AS 4970: Protection of Trees on Development Sites.
- 4.2 All pruning works on existing trees to be protected are to be in accordance with AS 4373: Pruning of Amenity Trees. An authorized and suitably qualified arborist must identify and approve trees that require pruning work prior to commencement of works.
- 4.3 Clearance of vegetation and removal trees not indicated on the approved drawings as 'to be removed' is prohibited without approval from the Landscape Superintendent or Arborist.
- 4.4 Prior to work commencing, a Tree Protection Zone (TPZ) shall be established around all trees identified for retention within or immediately adjacent to the works area and must remain in place for the duration of the works.
- 4.5 Clearly mark which trees are to be retained and protected. Display a sign in a prominent position at each entrance to the site, warning that trees are to be protected during the construction period. Provide a tree protection measures program before commencing works.

- 4.6 The TPZ as identified in AS 4970 Section 3 is to be adhered to. Activities within the TPZ that are to not take place, unless otherwise stated include;
- 4.6.1 Modification of existing soil levels, excavations, trenching or movement or rock
 - Mechanical removal of vegetation
 - 4.6.2 Storage of materials, plant or equipment or erection of site sheds
 - Affixing of signage or hoarding to the trees
 - 4.6.3 Preparation of building materials, refuelling or disposal of waste materials and chemicals
 - Lighting fires
 - 4.6.4 Movement of pedestrian or vehicular traffic
 - 4.6.5 Temporary or permanent location of services, or the works required for their installation
 - Any other activities that may cause damage to the tree
 - 4.6.6 If access, encroachment or incursion into the TPZ is deemed essential, prior authorisation is required by a qualified arborist and the Landscape Superintendent.
 - 4.7 Temporary fencing or protective enclosures to the approval of the authorised arborist and Landscape Superintendent shall be erected on the edge of the TPZ excluding access to the area within at all times.
 - 4.8 Where work is required to be undertaken within the TPZ, it is to be supervised by the authorised arborist and fenced enclosures in place around the specific tree/s to minimise damage to the tree and rootzone.
 - 4.9 Root pruning where required shall be undertaken via the use of a clean and sharp implement minimising surface areas of the wounds. All roots with a diameter of 50mm or greater must be inspected by the authorised arborist prior to cutting.
 - 4.10 Apply root hormone solution directly to cut roots if they are exposed during excavation. Alternatively, if the construction method does not expose roots, drench the zone at the surface with the root hormone solution. Apply the solution at the rates and intervals recommended by the manufacturer.
 - 4.11 All significant damage to trees that occurs by accident or because of unapproved work methods will require rectification works to the satisfaction of the authorised arborist. All costs associated by the rectification works are to be incurred by the Contractor.
 - 4.12 Where trees to be retained are removed or are damaged to an extent that requires removal, the Contractor is to pay damages valued according to DR 99307: Amenity Trees Guide to Valuation, unless a value is nominated for a specific tree is agreed with Council or relevant approving authority.

5.0 LANDSCAPE WORKS

- 5.1 For soil properties, testing and procedures, refer to the Soil Specification.
- 5.2 Turf shall be installed onsite within 36 hours of cutting. Turf is to be supplied from a specialist grower and be of an even thickness, free from weeds and other foreign matter and be accompanied by a 'Certificate of Authenticity'. Fertiliser must be applied to the topsoil and mixed evenly through prior to installation of the turf.
- 5.3 Turf shall be rolled evenly at installation and be maintained even, free from dips, lumps and trip hazards throughout the establishment period. The watering, mowing and establishment of all turf areas will remain the responsibility of the Contractor at all times during the establishment period.
- 5.4 Species of turf is to be in accordance with the approved drawings. The turf shall contain minimum 90% of the specified species and be weed free.
- 5.5 Turf to be laid along contours with staggered, close butted joints, graded evenly with no hollows, so that finished turf surface is level with adjacent surface levels.
- 5.6 Mulch is to be free of damaging materials such as soil, weeds, rocks, sticks and other foreign matter and comply with the requirements set out in AS 4454; 2012 Composts, Soil Conditioners and Mulches.
- 5.7 Site obtained mulch from tub-ground native vegetation is to be processed either through a tub grinder or chipper and be weed free. Stockpiled mulch shall be aged for minimum 2 months after chipping prior to be being spread in the designated areas to avoid nitrogen draw down of the soils.
- 5.8 Mulch is to be spread immediately after planting to prevent erosion, loss of soil moisture and weed infestation. Depths and types of mulch to be in accordance with the approved landscape drawings, kept clear of plant stems, and raked to an even surface flush with the surrounding finished levels or as per the details on the approved landscape drawings.
- 5.9 Hydromulching to be a slurry mixture of seed, fertilizer, mulch and water applied at the rates as scheduled on the approved landscape drawings, thoroughly mixed in a purpose-made mechanical mixer and applied by high pressure pumping equipment by an appropriately trained operator. The mixture is to be evenly distributed over a scarified surface providing a firm friable seed bed.
- 5.10 Trees supplied to site are to have a well-established single leader, unless otherwise specified. Bifurcated trees with included bark will not be accepted regardless of species and habit. Trees that do not comply with the NATSPEC tree stock selection criteria and AS 2303;201B may be rejected on arrival to site.
- 5.11 Tree installation, tree location, size and quantities are to be set out as per the approved landscape drawings, unless directed by the Landscape Superintendent or Landscape Architect.
- 5.12 Tree planting pits are to be excavated to a size and depth as indicated in the approved landscape drawings. Contact Landscape Superintendent or Council Officer if there are conflicts with underground services.
- 5.13 Street tree setout must be in accordance with Central Coast Council requirements in relation to offsets to paths, services, lights, driveways and road infrastructure as shown in Table S1 below

Table S1

STREET TREE POSITIONING	
ITEM	MINIMUM DISTANCE
Kerb and footpath	600-1000mm behind back of kerb where possible) or centrally located between kerb and footpath (future or existing), dependent on verge width
Driveways	2m
Light poles	3m
Stormwater pits	1.5m
Adjacent underground services	1m or according to the service provider
Street corner intersections	6m from kerb tangent point

- 5.14 The Contractor is to supply and install plants as per the approved landscape drawings and schedules.
- 5.15 Plants are to be healthy, vigorous, well-established, free from weeds, pests and diseases and of good form consistent with the species or variety. Root bound pots will be rejected.
- 5.16 Plants are to be hardened off for the prevailing site conditions, not soft or forced and conditioned to be suitable for planting in the natural climatic conditions of the site.
- 5.17 Plants are to be delivered to site in a covered vehicle to reduce the effect of wind damage, transpiration and stress. If plants are to be stored onsite prior to planting, ensure they are protected from winds and construction activities. Water plants thoroughly once a day or as required for every day they are stored on site.
- 5.18 Do not plant in unsuitable weather conditions such as extreme heat, cold, wind or rain. In other than sandy soils, suspend excavation when the soil is wet or during frost periods.
- 5.19 When planting, remove the plant from the container with minimum disturbance to the root ball. Ensure the root ball is moist and place it in its final position, in the centre of the hole and plumb, and with the top soil level of the plant root ball level with the finished surface of the surrounding soil. Compact tightly so as to minimize subsidence without compacting the backfill. Avoid mixing mulch with topsoil.
- 5.20 Thoroughly water the plants before planting, immediately after planting and as required to maintain growth rates free of stress.

6.0 PLANT PROCUREMENT

- 6.1 Advanced trees and specimen plants are to be ordered immediately upon awarding of the contracted landscape works to ensure the availability at the time of planting. No substitutes will be accepted due to not placing plant procurement orders in a timely manner. Evidence of a plant procurement contract in place between the plant supplier and purchaser is to be presented to the Landscape Superintendent and must be a minimum of 14 days prior to intended planting date.
- 6.2 Submit photographic examples of all trees greater than 75Lt pot and any specimen plant species to the Landscape Superintendent. The photographs are to be clear, in colour, identifiable scale reference located in the same plane as the plant trunk and labelled with plant species name.
- 6.3 A Tree Inspection Form is to be completed by the Landscape Superintendent at the time of inspection for each batch inspected. Non-conforming plants may be rejected or corrective action procedures put in place to ensure conformity at the time of delivery. Trees will follow the assessment criteria outlined in AS 2303.
- 6.4 For trees and shrubs in small containers, Table S2 below shall be referenced to make a balanced assessment of the size of the plant appropriate to the container size at the time of delivery.

Table S2

SMALL CONTAINER GROWN TREES AND SHRUBS TABLE		
CONTAINER SIZE	HEIGHT ABOVE SOIL (M)	
	Thin-stemmed species	Thick-stemmed species
Tubes or plant cells	1.5 to 2.5 x the height of the container	
150mm	0.4-0.6 m	0.3-0.5 m
170mm	0.5-0.7 m	0.4-0.6 m
200mm	0.7-0.9 m	0.6-0.8 m
250mm	1.0-1.2 m	0.8-1.0 m
300mm	1.2- 1.5 m	1.0-1.2 m
5 ltr	0.8- 1.0 m	0.7-0.9 m

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	adw Johnson	Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohanson.com.au	CLIENT HCCDC NSW GOVERNMENT Hunter & Central Coast Development Corporation
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6.7 A certificate of warranty from the supplier is to be issued to the Landscape Superintendent at the time of each delivery confirming that the plants supplied are true-to-species type, free of disease and fungal infection and/or any other impediment to their future growth and that they have been fully acclimatized for the conditions of the site.

7.10 At the end of the Establishment and Maintenance Period, a Final Handover Inspection is to be conducted between the Landscape Superintendent, Contractor and Council to determine that the landscape works have established adequately and to the approval of Council.

TREE WATERING FREQUENCY TABLE			
Time of year	1st Month	2nd & 3rd Month	Establishment period
Sep-Feb	4 x Per week	3 x Per week	2 x Per week
Mar-May	3 x Per week	0.4-0.6	1 x Per week
Jun-Aug	2 x Per week	1 x Per week	1 x Per fortnight

Tree Container Size/ Volume of Water Per Watering Cycle		
Container size	Free draining soil	Heavy Soil / Clay
45lt	10lt	5lt
100lt	20lt	15lt
150lt	30lt	20lt
200lt	40lt	30lt
250lt	50lt	35lt
300lt	60lt	45lt
400lt	80lt	60lt
500lt	100lt	75lt

1. A Horizon is a valuable resource and can be (in most cases) easily re-used on-site with some amelioration. Typically, the A Horizon is an organic, friable loam material with vegetation growing within.
2. B Horizon can also be re-used as subsoil in landscaping applications; however, must be stripped and stockpiled separately to allow for specific treatment. B Horizon tends to have a higher clay content, nil or no organic matter and can be brightly coloured.
3. C Horizon is rarely economically viable for re-use in landscaping and is typically used for fill. However, where A or B Horizon cannot be utilised on site, C Horizon may be amended into a useable topsoil. C Horizons, if encountered, tend to be rocky, (shale/sandstone) and may be difficult to penetrate.
4. The re-use of site soils is to be undertaken unless they are found to be unsuitable to avoid the disposal of soil as general solid waste and the need for importation of new soil.
5. For small sites (<1 ha), a suitably qualified representative from the Head Contractor may carry out a simple assessment of soil depths of A/B and C Horizons, prior to establishing the stripping depth and/or providing estimates of recovered soil volume. Where the Head Contractor is not able to define these characteristics, a Soil Scientist is to be engaged. A minimum of 3 investigation boreholes is to be conducted across the site in areas of variable slope and terrain to gain an accurate assessment.
6. For sites with a development footprint of > 1 ha, a suitability qualified soil scientist is to be engaged to characterise soils across the area and provide a stripping guide for the site. Soils can differ in quality, composition, and limitations across larger areas, and may require separation during the stockpile process to allow for different amelioration practices to be applied. Separation of stockpiles of poorer quality are to be delineated from those of higher quality.
7. The Head Contractor is required to maintain a record of measured topsoil/ subsoil depth from each borehole constructed in the investigation. Once A and B horizons have been identified, estimates may be made for the recoverable soil volume and estimated stripping depth.
8. The Head Contractor is required to be aware of what the B Horizon characteristics are and that B Horizons are to be stripped and stockpiled separately to topsoil material.
9. Protect the site from unnecessary damage to soils during early site works. During initial site investigations, minimise disturbance to the site as far as possible by limiting driving heavy machinery, uncontrolled earth movements and installations. Limit site installations to site sheds and access roads and prevent free access movement of all vehicles. Fence to prevent illegal waste dumping.

1. Samples for testing must be analysed for the most relevant suite of analysis provided in the Soil Specification section. In the instance that the landscape situation and associated value is not established, clear or otherwise unknown, it is the responsibility of the Head Contractor and Developer to confirm with Council what suite is best fitting.
2. The Head Contractor is to conduct soil sampling (or engage a subcontractor to do so) based on the identified landscape situation and associated value. Samples are to be submitted to a NATA accredited laboratory for analysis.

1. Results are to be obtained from the laboratory for each of the required analysis outlined in Section Soil Specification and to be presented to a suitably qualified Soil Scientist for review. The Soil Scientist must identify the non-compliances and limitations of the soil and provide an amelioration plan that may be executed by the Head or Landscape Contractor to achieve a fit for purpose soil. Where available, the contractor is to supply a species list and details to the Soil Scientist so that amelioration advice can be tailored specifically to the project and selected species.
2. It is the responsibility of the Landscape Contractor to read and fully understand the requirements of the amelioration advice and conduct the amelioration as per the report. Where products prescribed by the Soil Scientist cannot be sourced or are economically unfeasible, the contractor must seek the advice of the Soil Scientist to determine a suitable substitute.

1. Soil Type A - General Mass Plantings, High Value: Requires testing to specification DZ within Soils for Landscape Development Leake and Haeger 2014. The required analysis and target ranges have been provided Table S5.
2. Soil Type B - Tree Pits, High Value, Top 300mm (A Horizon): Requires testing to specification DZ within Soils for Landscape Development Leake and Haeger 2014. The required analysis and target ranges have been provided in Table S5.
3. Soil Type C - Turf, High Traffic: Requires testing to specification CZ within Soils for Landscape Development Leake and Haeger 2014. The required analysis and target ranges have been provided in Appendix A - Table S6.

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Table S6

TURF, HIGH TRAFFIC SPECIFICATION				
Property	Units	Target Range		
Physical Properties:				
2.0 mm (fine gravel) ¹	% retained by mass	< 10		
1.0 mm (very coarse sand) ¹		< 10		
0.5 mm (coarse sand) ¹		10-30	30-50	
0.25 mm (medium sand) ¹		20-40		
0.1 mm (fine sand) ¹		10-30		
0.05 (very fine sand) ¹		< 15 (max 20% combined v/s, Si + Cl)		
0.002 mm (silt) ¹		< 8 (Si + Clay combined 5–8)		
< 0.002 mm (clay) ¹		2-6		
Large particles ²		2–20 mm = < 2% > 20 mm = 0%		
Organic matter content ⁴	% w/w	2 to 5		
Permeability ³	mm/hour	> 50-200 (@ 16 drops by McIntyre Jakobsen)		
Wettability (AS 4419) ²	mm/hour	> 5		
Dispersibility in water ⁶	Class	> 4	Emerson Aggregate Class	
Chemical Properties:				
pH in water (1:5) ⁵	pH units	5.4–8.0		
pH in CaCl ₂ (1:5) ⁵	pH units	5.2–7.5		
Electrical conductivity (1:5) ⁵	dS/m	< 0.5		
Exchangeable Na percentage ⁵	% of ECEC	< 7		
Exchangeable Ca/Mg ratio ⁵	Ratio	3-9		
Available phosphorus Mehlich 3 ³ Available phosphorus Olsen	mg/kg	50–150 20–50		
Available nitrogen (nitrate N + ammonium N) ⁵	mg/kg	30-100		

Method References

1. AS1289.1632-2003	3. McIntyre & Jakobsen-1998	5. Rayment & Lyons (2011)
2. AS4419-2018	4. Rayment & Lyons 6B2	6. Emerson (1991)

8.4 General Soil Definitions

Existing soil: Recovered stockpiled soil from the site which has not been tested, ameliorated and validated for landscape use.

Validated ameliorated soil: Approved soil for use on site that has been confirmed clean and contaminant free and has been ameliorated for use to meet soil type and horizon.

Imported topsoil: Approved off site source to AS 4419:2018.

Unwanted matter: Stones exceeding specified size, clay lumps, weeds, roots, stick, hard rubbish, contaminants and materials toxic to plants.

8.5 Stripping and Stockpiling

Stripping and stockpiling of topsoil are to occur immediately before bulk earthworks and be done in such a manner that minimises erosion and sediment loss from site. Ensure that rubbish and foreign matter is removed in the stripped soil. It is the responsibility of the Head to ensure stripping and stockpiling is conducted correctly.

Stockpiles must be in a convenient place away from any risk of running water and subject to suitable erosion control measures. They must be protected from contamination during the construction process and records kept of their location and type of soil contained. The following provides a summary of the stripping and stockpiling process required on site:

- Stockpile Preparation:
 - Clear all debris including demolition waste, timber, rubbish wire fences, rock, graveled driveways, etc.
 - Clear trees and shrub growth and slash if necessary.
 - Clear trees, pasture and weed growth. If heavy or otherwise a problem, spray with a broad-spectrum herbicide at manufacturer's rates and allow 1–2 weeks to obtain kill before stripping. Obtain Specific advice on weed control.
- Topsoil Stripping:
 - Avoid the inclusion of subsoil in topsoil stripping, adjust depth accordingly. Strip to the recommended depths and generally stop stripping if the more brightly coloured or more clayey subsoil starts showing.
 - Strip topsoil to depths as defined from the process in Section 1 including all surface leaf litter, plants and grasses.
- Stockpiles:
 - Locate stockpiles 5m or more from concentrated water flows (including drainage lines, roadways).
 - Locations should have less than 10% slope.
 - Locate greater than 8m from any retained trees.
 - Protect upslope using diversion drains.
 - Protect downslope sediment loss using sediment control structures (silt fencing or other approved method).
- Stockpile Management:
 - Stockpiles must never be trafficked. Fence stockpiles to exclude all vehicles.
 - Stockpiles must be no higher than 2m but may be flat topped.
 - Where space is limited within the site footprint, stockpiles may be higher than 2m (to a maximum of 4 m), however batters of the stockpile must remain at a slope of 2:1. Stockpiles may be flat topped if required.
 - Label stockpiles with origin, soil type and date.
 - Protect stockpiles from waste and rubbish dumping and encroachment of works.

If stockpiles are to be in place longer than 3 months, sow with a seasonally appropriate annual cover crop.

8.6 Topsoil Amelioration

It is the responsibility of the Landscape Contractor to conduct amelioration on site (or ensure soils are ameliorated prior to import to site). The method for ameliorating soils on-site is at the discretion of the contractor and it is expected to be carried out in the most economical, but effective manner possible. As a guide, two common methodologies for on-site amelioration for consideration include:

- In-Situ Amelioration: For soils that are to be ameliorated in-situ (i.e not stripped and stockpiled, left in place). The following process can be carried out:
 - Determine topsoil depth and amelioration depth (typically 100mm).
 - Prepare area by spraying cover crop and weeds (if required).
 - If possible, rip topsoil and subsoil to a maximum depth possible with available machinery (it is important to note ripping is not to be confused with cultivating - subsoil and topsoil materials are not to be mixed together).
 - Surface apply amendments such as sand, compost, gypsum or lime (not fertilisers) at the prescribed g/m2.
 - Cultivate (using a disc plough or otherwise) into the top 100mm to incorporate amendments.
 - Surface apply fertilisers at the prescribed g/m2.
- Stockpile Amelioration : For soils that have been stored in stockpile (i.e stripped and stockpiled onsite during earthworks) the following process are be carried out:
 - Prepare stockpile by spraying cover crop and weeds (if required).
 - Break down the stockpile in known volumes with an excavator or frontend loader, creating smaller piles of known volume.
 - Screen material with a screening bucket.
 - Apply amendments such as sand, compost, gypsum or lime (not fertilisers) at the prescribed g/m3.
 - Thoroughly mix amendments into the soil.
 - Spread topsoil in the specified location, at the required depth.
 - Surface apply fertilisers at the prescribe g/m2.

8.7 Topsoil Certification and Validation

After topsoil has been ameliorated (regardless of in-situ or stockpile), the soil material must be validated to ensure the amelioration has been carried out in an effective manner. Ameliorated soil is to be sampled and analysed for the nominated Soil Specification Type. It is the responsibility of the Landscape Contractor to engage a Soil Scientist to collect samples and provide interpretations. The same process outlined in previous section under Site Soil Resources is to be carried out, however soil may be sampled at 1 composite sample per 1,000m3.

8.8 Subgrade Preparation

Exposed subgrade or recovered subsoil from stockpiles are to be treated in-situ or as it is exploited from the stockpile. Records and evidence of amelioration of subgrade and subsoil treatment must be provided. The method for cut, fill and amendment of subgrade / subsoil on-site is at the discretion of the Head Contractor and it is expected to be carried out in the most economical, but effective manner possible.

The required steps for subgrade / subsoil preparation and amelioration for areas to have topsoil spread are as follows (Note this process does not apply to subsoil backfill for tree vaults or larger stock):

- Fair and trim to relative level to accommodate the required overall soil depths.
- Remove rocks >50 mm diameter.
- Remove rubbish such as construction generated waste, plastics, metals and glass.
- Deep rip to a maximum depth allowable by available machinery.
- Apply ameliorants as per the Soil Scientist's reports.
- Chisel, disc plough or use an excavator with a tyne attachment to loosen the subgrade and mix the ameliorants to 200 mm depth to incorporate.

Where stockpiled recovered subsoil is applied to cut subgrade, the subgrade shall not be compacted to more than about 70-80% proctor compaction rate. The recovered subsoil from stockpile can be treated in-situ after spreading in the manner described above. It is important to avoid excessive compaction of subsoils and to relieve compaction if it occurs prior to placing topsoil.

Topsoil Spread and Preparation for Planting:

- Validated ameliorated topsoil is to be spread by the Landscape Contractor where required at the nominated depth. Processed topsoil compliant to the specifications is prone to compaction and it is imperative that the following considerations are made when spreading topsoil and preparing for planting:
- Under no circumstances, is topsoil to be compacted by any means beyond light 'firming'.
- If soils are required to be stabilised due to slope, water runoff or otherwise, specified erosion control measures are to be installed immediately after topsoil spread.
- All vehicle traffic, inclusive of light vehicles, machinery or otherwise is to be excluded from areas with topsoil that has been spread.
- In the event that compaction is unavoidable due to site operations, it is the responsibility of the Landscape Contractor to relive soil compaction by tyning or cultivation prior to planting.
- Plants and/or cover crops are to be installed as soon as practicably possible after topsoil spread.

10.0 METHODOLOGY

10.1 Excavation of planting holes

Set out plant locations and planting-area extents on site. Locate and mark all subsurface services. Obtain approval of the setout from the Landscape Superintendent before excavation begins.

Excavate tree pits to the dimensions and soil volumes specified. If a planting area is excavated too deeply, reinstate the base with suitable soil and firm it sufficiently to prevent settlement.

For trees and shrubs planted in individual planting holes, batter the sides of the excavation at approximately 45 degrees away from the base, where site conditions permit. Keep the base directly beneath the root ball horizontal so that the plant sits plumb.

Maintain the required angles of repose of adjacent materials. Do not excavate compacted subgrades supporting adjacent pavements or structures.

Separate excavated subsoil from topsoil. Do not use unsuitable subsoil as backfill in planting or turf areas.

Do not leave excavations uncovered or unprotected overnight.

10.2 Trees

Thoroughly water plants and planting areas before planting and water again immediately after planting.

Set trees on a firm, flat, unexcavated or prepared base. Install trees plumb and at the correct finished level. Firm the prepared base sufficiently to prevent settlement of the root ball. Do not excessively compact backfill around the root ball; lightly firm and water the backfill to remove large air voids.

Determine the elevation of the root flare and install the tree with the root flare level with the finished soil surface. If the root flare is more than 50 mm below the surface of the root ball, reject the tree.

Lift plants only from beneath the root ball or with belts or lifting harnesses of sufficient width to avoid damage. Do not lift trees by the trunk or use the trunk as a lever.

Remove plastic, paper and fibre containers from containerised plants. Score the sides of the root ball with a sharp knife and tease out circling roots where required. Install the plant immediately after removing the container so that roots do not dry out.

Completely remove waterproof or water-repellent strings and wrappings from the root ball and trunk before backfilling.

10.3 Soils and mulch

Place validated ameliorated topsoil or the specified soil mix around the root ball in layers. Lightly firm the backfill sufficiently to stabilise the root ball without causing excessive compaction.

Thoroughly water all plants immediately after planting. Apply water directly to the root ball and adjacent soil.

Remove all tags, labels and strings from plants. Remove excess soil, debris and planting material from the site at the end of each workday.

10.4 Pruning

Do not heavily prune plants at the time of planting. Prune only as required to correct structural defects, including injured branches, double leaders, watersprouts, suckers and interfering branches.

Retain healthy lower branches and interior small twigs unless removal is required to provide clearance from paths and roads. Do not remove more than one-quarter of the live branching structure.

Retain the normal form of the plant. Complete pruning using clean, sharp tools. Make clean, smooth cuts without rough edges, bark tearing or damage to the branch collar.

REV	DATE	AMENDMENT	DRAWN	CHECKED	NOTES	adw Johnson Hunter Warners Bay N.S.W. 2282 Ph. 02 4978 5100 Central Coast Tuggerah N.S.W. 2259 Ph. 02 4305 4300 Sydney Sydney N.S.W. 2000 Ph. 02 8046 7411 www.adwjohnson.com.au
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