

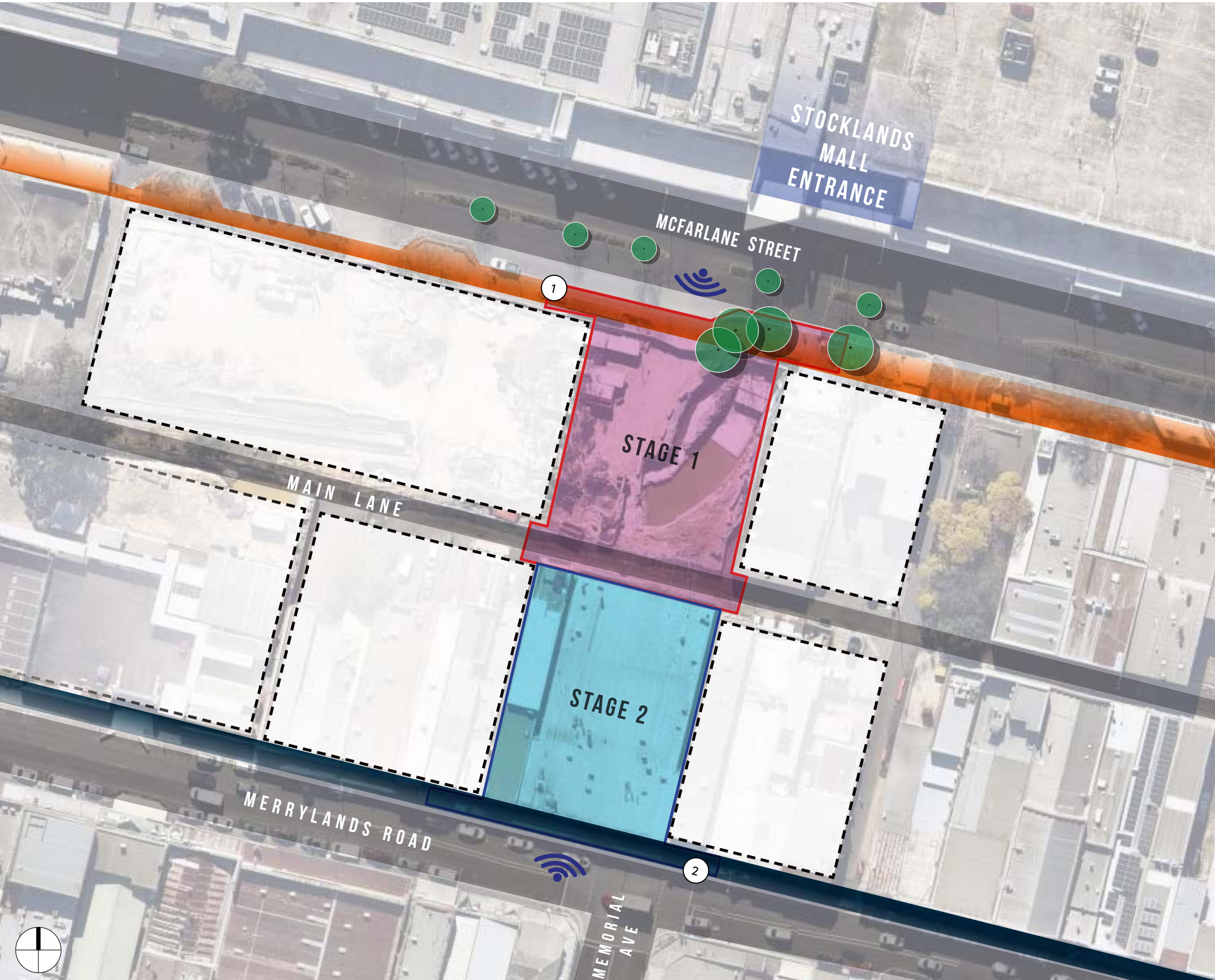
SITE ANALYSIS



LEGEND

- Civic Square site
- Roads
- Existing commercial buildings
- Local green spaces
- Future development
- Pedestrian pathways
- T Train station
- B Existing bus stops

SITE ANALYSIS



LEGEND

- Future development
- Existing trees
- Existing roads
- Existing brick paving along McFarlane Sreet
- Existing Bluestone paving along Merrylands Road
- Noise – vehicular traffic along both streets

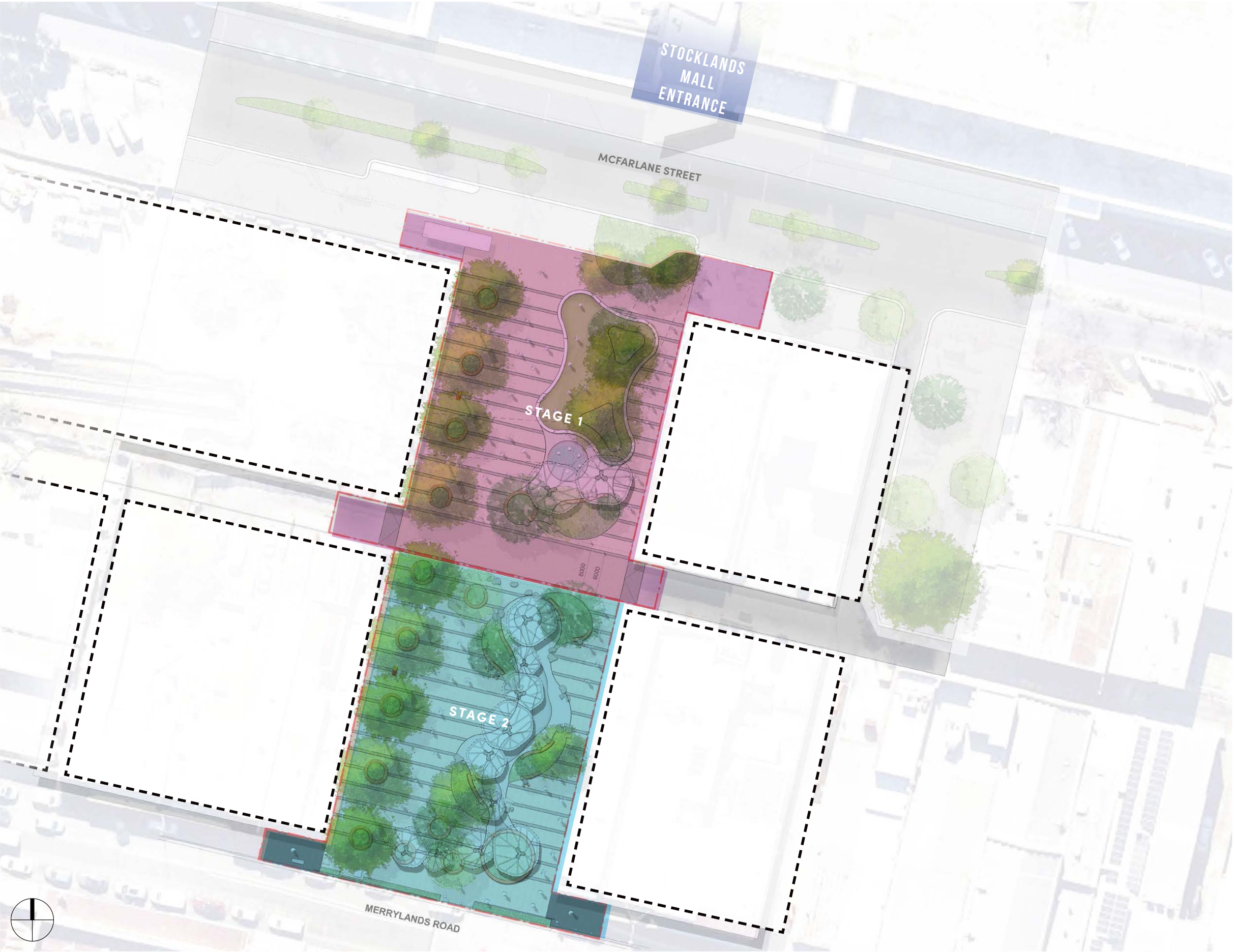


① Existing brick paving and bus shelter along McFarlane Street



② Existing Bluestone paving and crossing along Merrylands Street

CONTEXT PLAN AND STAGES



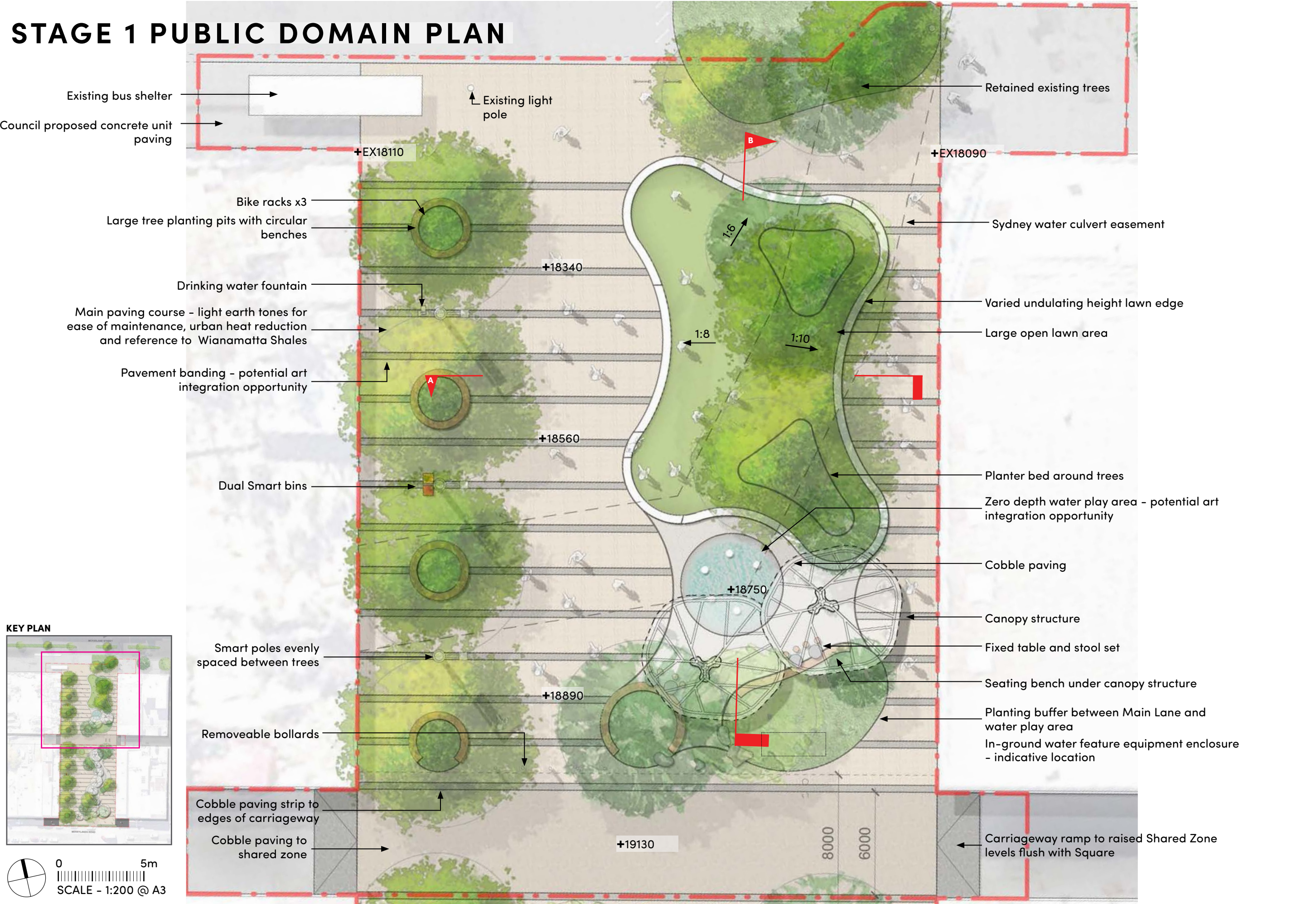
- LEGEND**
- Future development
 - Existing roads

STRUCTURE PLAN

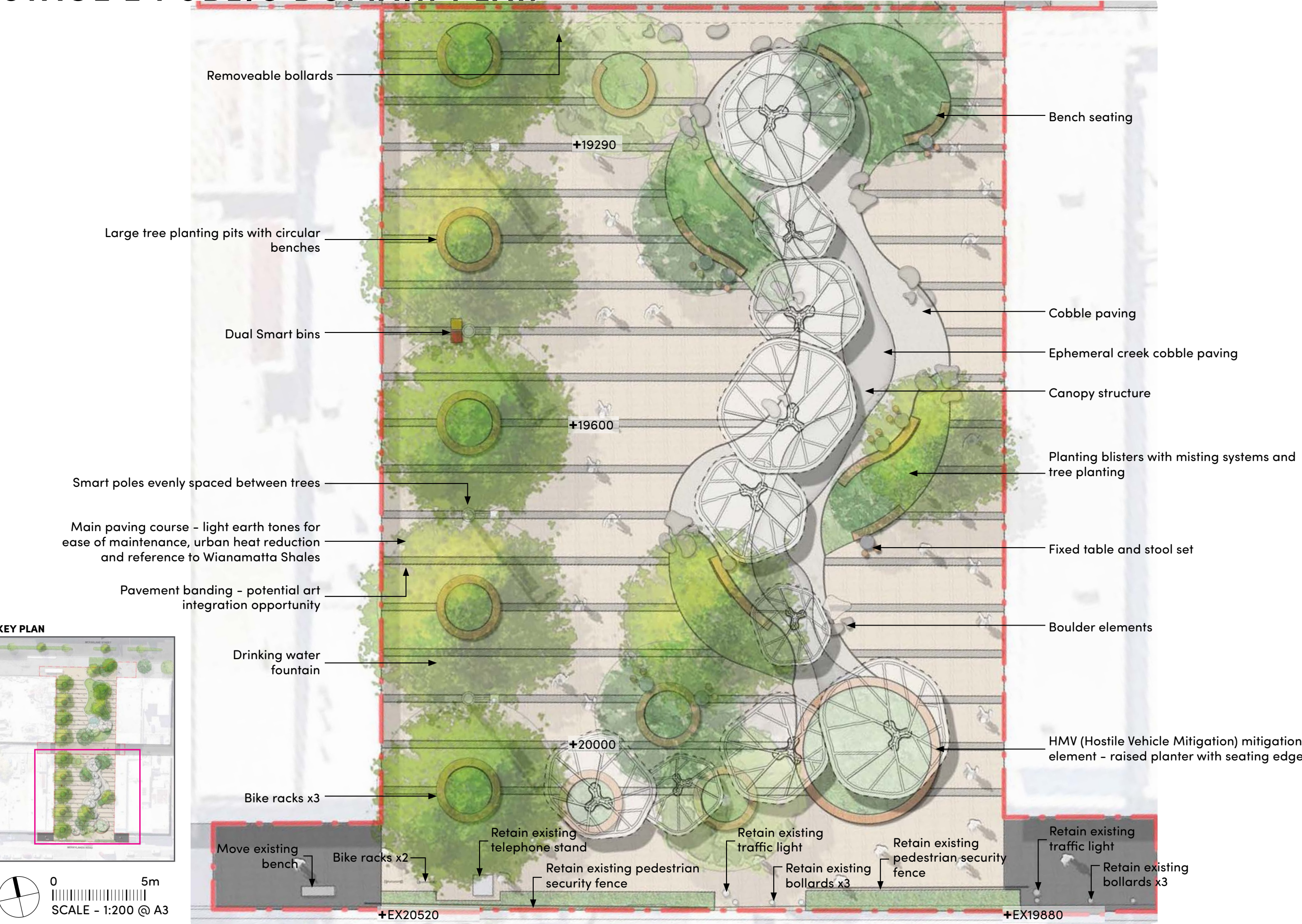
- ① 3m wide future development buffer
Maintain minimum clear width offset from edges to ensure flexibility to marry design into future adjacent developments.
- ② 3.5m wide tree line
Introduce shading and amenity on main pedestrian walkway through tree planting with integrated urban elements, i.e seating and Smart poles.
- ③ 9m wide main pedestrian walkway
Ensure walkway width is sufficient to accommodate market events with stalls on either side with adequate pedestrian circulation in between.
- ④ 16m wide green link
More informal, loose configuration of urban elements and large native tree planting. Water features, canopy structures, play elements and large lawn area.
- ⑤ 196m² open lawn area for lounging and seating.
- ⑥ Zero depth water play area to provide interactive play and cooling amenity to the square.
- ⑦ Pergola structure to provide cooling and potential art integration.
- ⑧ Hostile vehicle mitigation
Urban elements that integrate with the canopy structure to both frame and activate the entrance to the Square and to also provide hostile vehicle mitigation from straight on approaches from Memorial Ave.



STAGE 1 PUBLIC DOMAIN PLAN

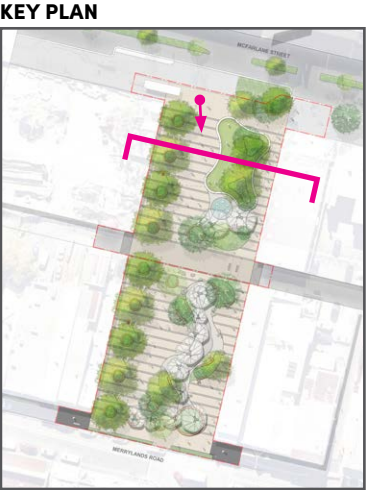


STAGE 2 PUBLIC DOMAIN PLAN



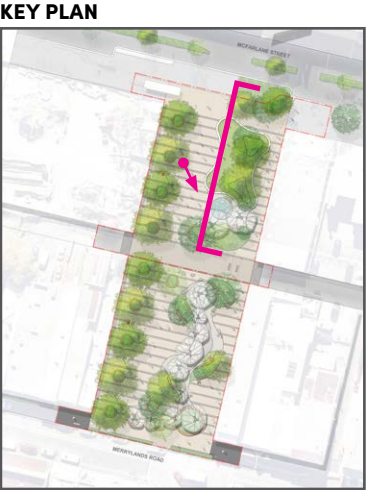
STAGE 1 SECTION & 3D VIEW

- 1 Lawn area.
- 2 Medium to large tree planting in lawn area.
- 3 Large deciduous tree.
- 4 9m wide pedestrian path.
- 5 3m buffer zones to future developments.
- 6 Main paving course - light earth tones for ease of maintenance and urban heat reduction.
- 7 Pavement banding.
- 8 Smart poles evenly spaced between trees.
- 9 Bench seating and planting beneath deciduous tree.
- 10 Varied height (max.500mm) undulating raised seating edge to lawn area.



STAGE 1 SECTION & 3D VIEW

- 1 Lawn area.
- 2 Medium to large tree planting in lawn area.
- 3 Stage 1 canopy - By Architects.
- 4 Zero depth water play area.
- 5 Main paving course - light earth tones for ease of maintenance and urban heat reduction.
- 6 Pavement banding.
- 7 Cobble paving.
- 8 Bench seating.
- 9 Fixed table and stool set.
- 10 Varied height (max.500mm) undulating raised seating edge to lawn area.



STAGE 2 SECTION & 3D VIEW

- ① 3m buffer zones to future developments.
- ② Bench seating and planting beneath deciduous tree.
- ③ 9m wide pedestrian path.
- ④ Paved Ephemeral 'Dry river bed'.
- ⑤ Bench seating with fixed table and stool set.
- ⑥ Planting blister with tree planting and misting systems.
- ⑦ Main paving course - light earth tones for ease of maintenance and urban heat reduction.
- ⑧ Pavement banding.
- ⑨ Stage 2 canopy concept design - by architects.



PUBLIC ART INTEGRATION OPPORTUNITIES

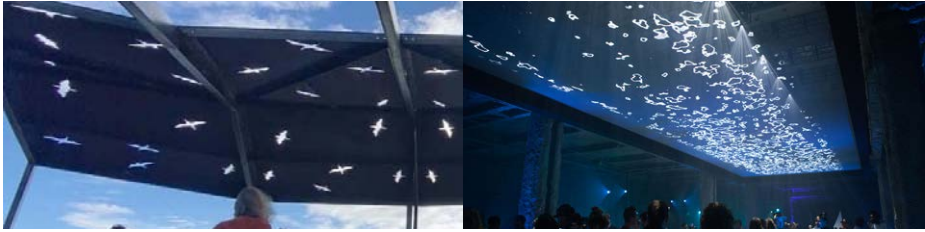
① Raised concrete edge along lawn



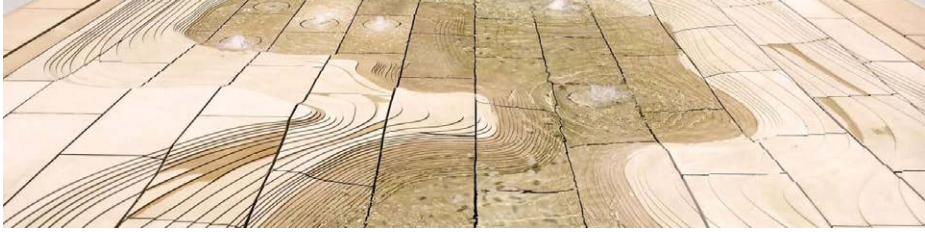
② Pavement banding



③ Canopy structure



④ Dry creek bed course



⑤ Boulder elements



⑥ Site Hoarding



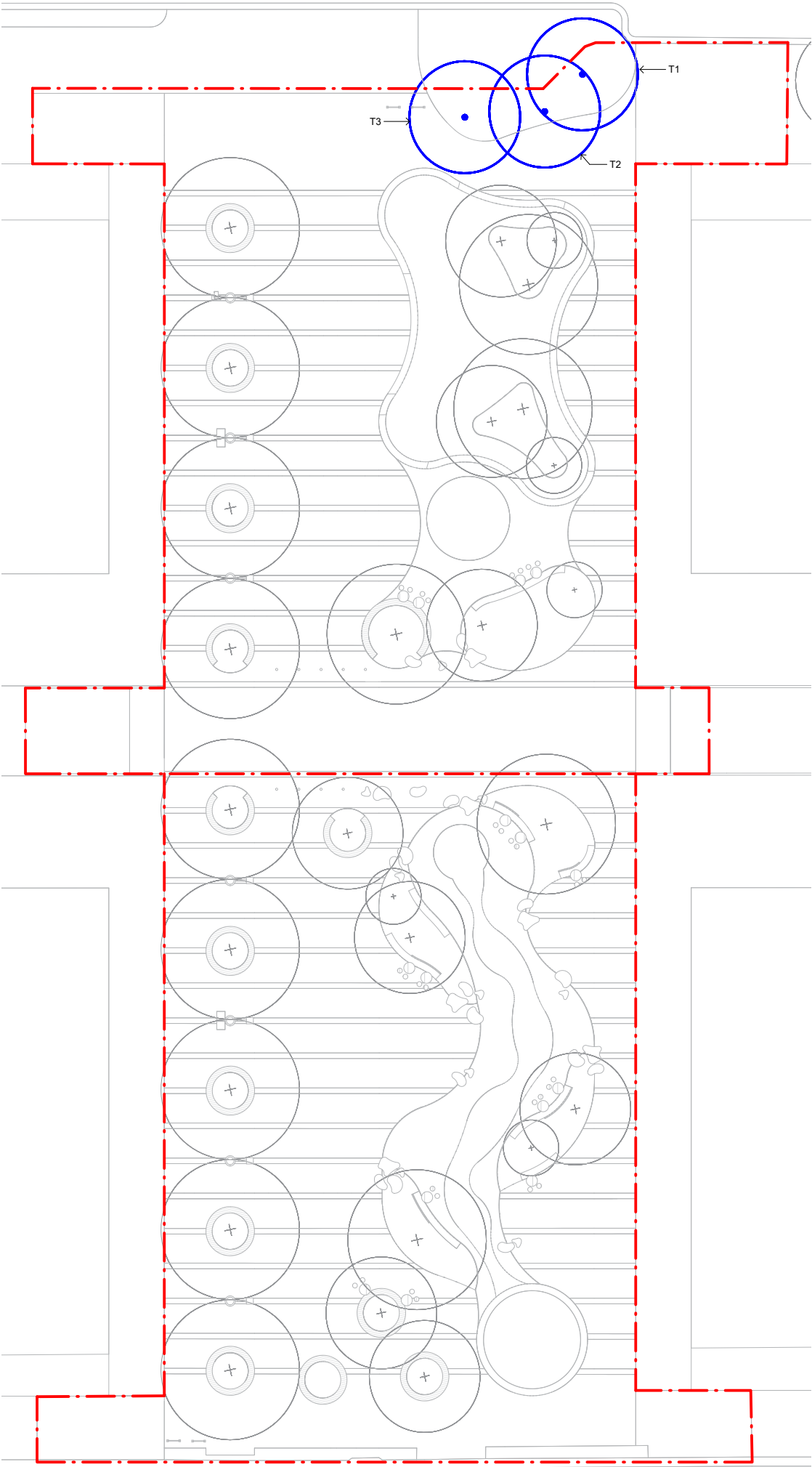
TREE MANAGEMENT PLAN

LEGEND

-  Trees to be retained
-  Trees to be removed

Tree ID.	Tree Species
1	Platanus x hybrida (London Plane)
2	Platanus x hybrida (London Plane)
3	Platanus x hybrida (London Plane)

NOTE:
Tree numbers and proposed management in accordance with arborist report. Refer arborist report for further information.

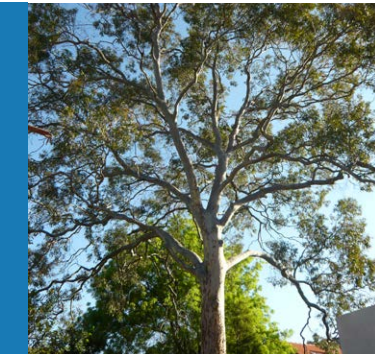


STAGE 1 & 2 PLANTING PALETTE

Trees



Row of deciduous Chinese Elm trees to provide good summer shade and sun in winter.



Corymbia maculata - Spotted Gum



Angophora bakeri - Narrow-Leaved Apple



Platanus x hybrida - London Plane

Retain existing Plane trees on site



Melaleuca decora - Feather Honeymyrtle

Mix of 3 tree species with diversity in bark, foliage, flower, colour for seasonal variation

MIX 1 - Native understorey mix | Total area - 403 m²

Shrubs - max 1m high



Dichopogon fimbriatus



Lissanthe strigosa



Arthropodium milleflorum



Ozothamnus diosmifolius



Daviesia ulicifolia



Indigofera australis



Dillwynia sieberi



Dianella revoluta

Groundcovers



Eremophila debilis



Einadia nutans



Billardiera scandens



Asperula conferta



Hardenbergia violacea (climber)



Dianella longifolia



Hibbertia scandens (climber)



Lomandra filiformis



Myoporum parvifolium



Wahlenbergia gracilis



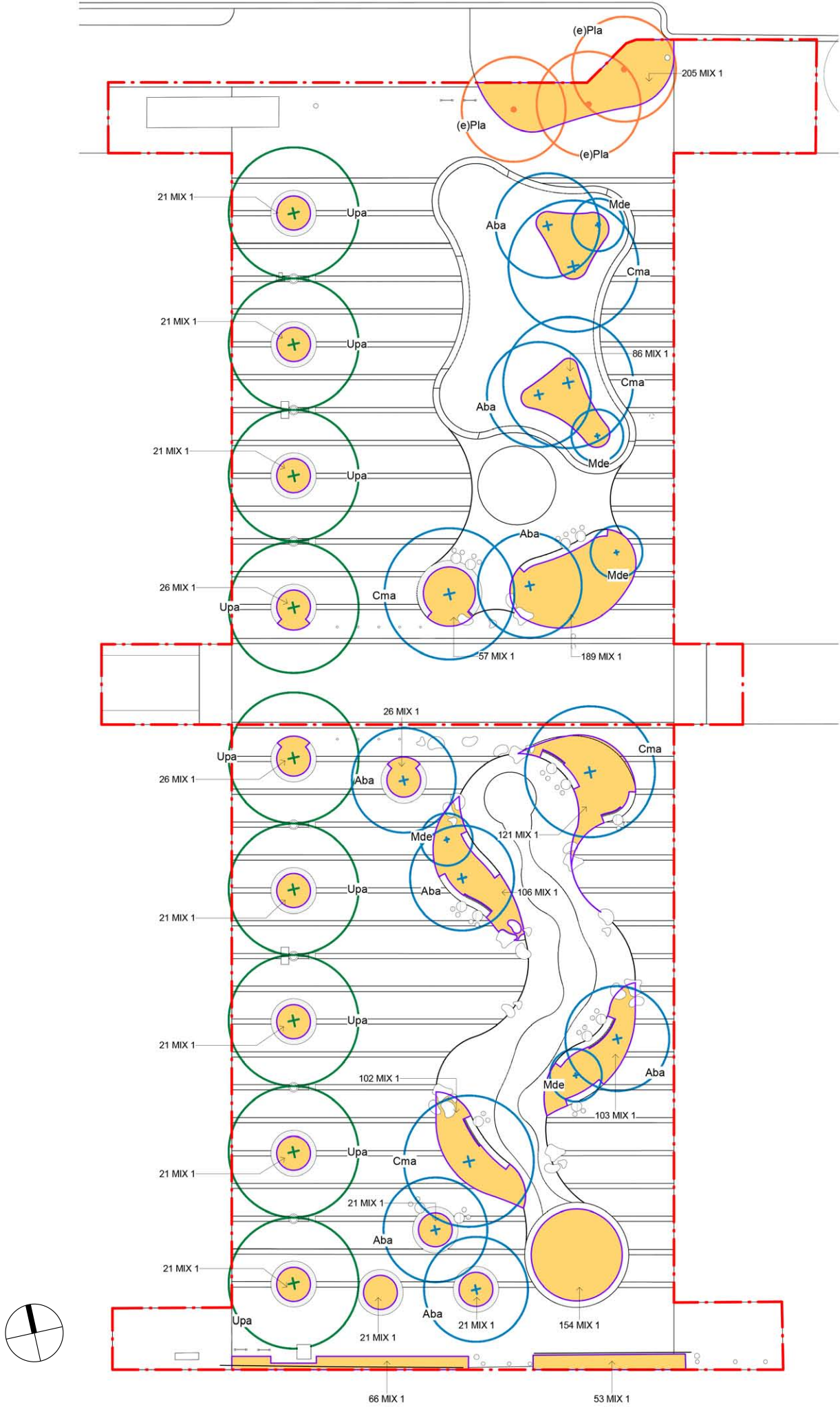
Pratia purpurascens



Dichondra repens

STAGE 1 & 2 PLANTING PLAN & SCHEDULE

PROPOSED PLANTING SCHEDULE						
CODE	BOTANICAL NAME	COMMON NAME	MATURE SIZE	CENTRES	POT SIZE	QUANTITY
TREE SPECIES						
Aba	Angophora bakeri	Narrow-Leaved Apple	(h)10m x (w)10m	As Shown	400lt	8
Cma	Corymbia maculata	Spotted Gum	(h)30m x (w)10m	As Shown	800lt	5
Mde	Melaleuca decora	White Feather Honeymyrtle	(h)6m x (w)4m	As Shown	400lt	5
Upa	Ulmus parvifolia	Chinese Elm	(h)13m x (w)10m	As Shown	800lt	9
GROUNDCOVERS AND CLIMBERS						
CODE	SPECIES	COMMON NAME	CENTRES(mm)	POT SIZE	QUANTITY	TOTAL AREA
MIX 1	Dichopogon fimbriatus Lissanthe strigose Arthropodium milleflorum Dillwynia sieberi Ozothamnus diosmifolius Daviesia ulicifolia Indigofera Australis Dianella revoluta Eremophila debilis Einadia nutans Billardiera scandens Wahlenbergia gracilis Asperula conferta Hardenbergia violacea (climber) Dianella longifolia Pratia purpurascens Hibbertia scandens (climber) Lomandra filiformis Myoporum parvifolium Dichondra repens	Nodding Chocolate Lily Peach Heath Pale Vanilla Lily Prickly Parrot-Pea Rice Flower Gorse Bitter Pea Australian Indigo Blueberry Lily Winter Apple Climbing Saltbush Apple Berry Sprawling Bluebell Common Woodruff False Sarsaparilla Blueberry Lily White Root Snake Vine Wattle Mat-Rush Creeping Boobialla Kidney Weed	500	200	1610	403 m²



FEATURE ELEMENTS & MATERIALS PALETTE

PLAY ELEMENTS AND CANOPY STRUCTURE



ZERO DEPTH WATER PLAY FEATURE
(feature lit at night)



PLAYFUL ROCK FEATURES



STAGE 1 - CANOPY STRUCTURE



STAGE 2 - CANOPY STRUCTURE

PAVING



EXISTING STREETScape PAVEMENT
(match existing)



PEBBLECRETE UNIT PAVING
(Stretcher bond perpendicular to path of travel)



PEBBLECRETE PAVING BANDS

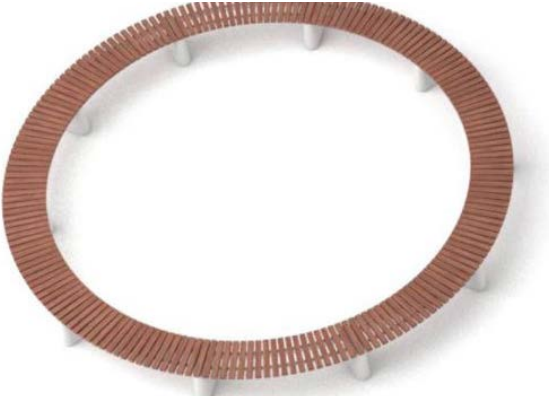


TEXT INLAIS IN CONCRETE PAVING BANDS
(site specific narrative text embedded)



FEATURE COBBLES TO WATER AREAS

FURNITURE & FIXTURES



CIRCULAR TIMBER BENCHES



UNDULATING SEATING WALLS TO LAWN



REMOVEABLE BOLLARDS

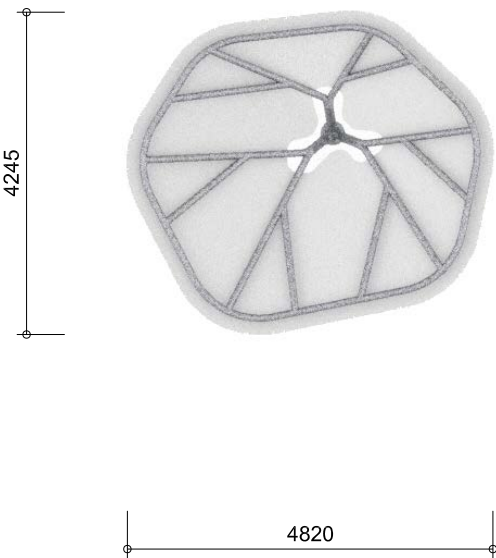


BICYCLE RACKS

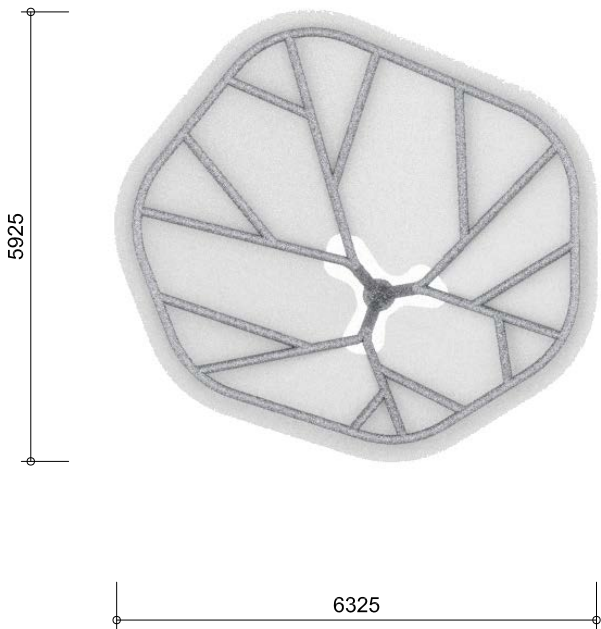


SMART POLES

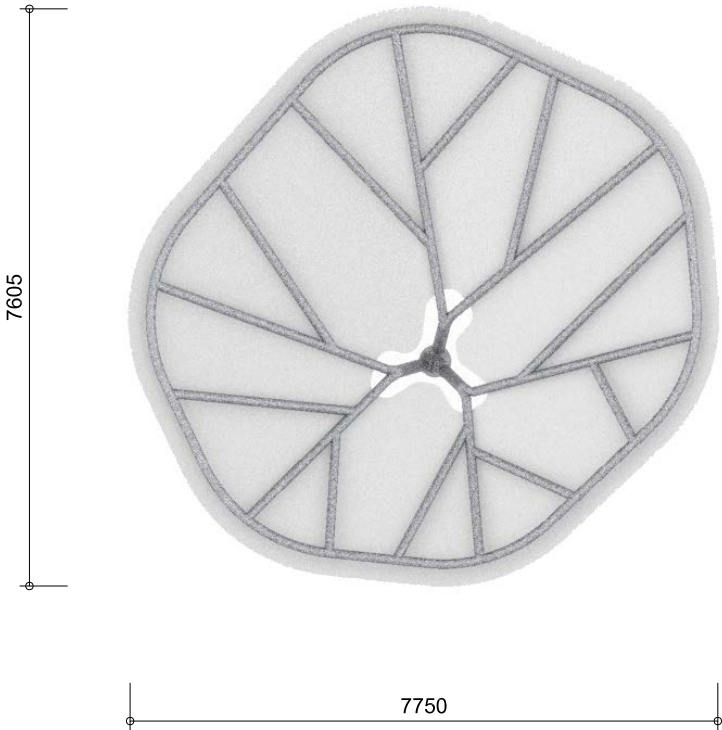
SHADE CANOPY - STAGES 1 & 2



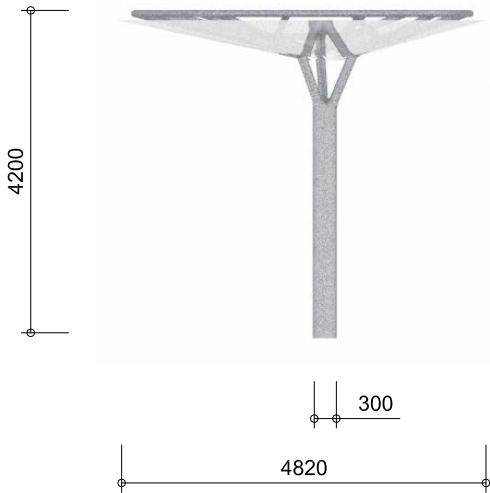
ELEMENT 1 - PLAN



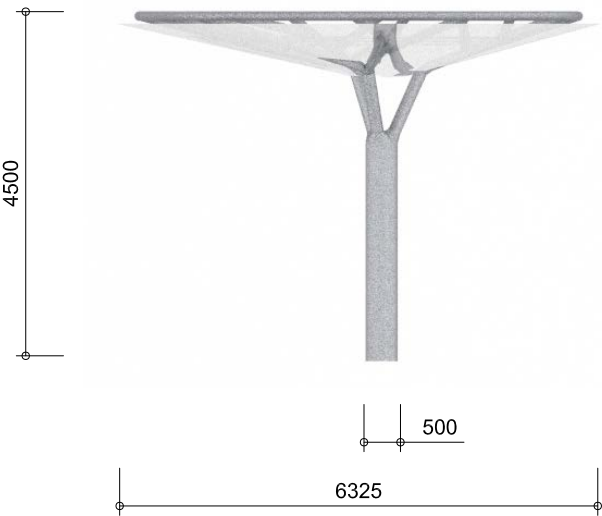
ELEMENT 2 - PLAN



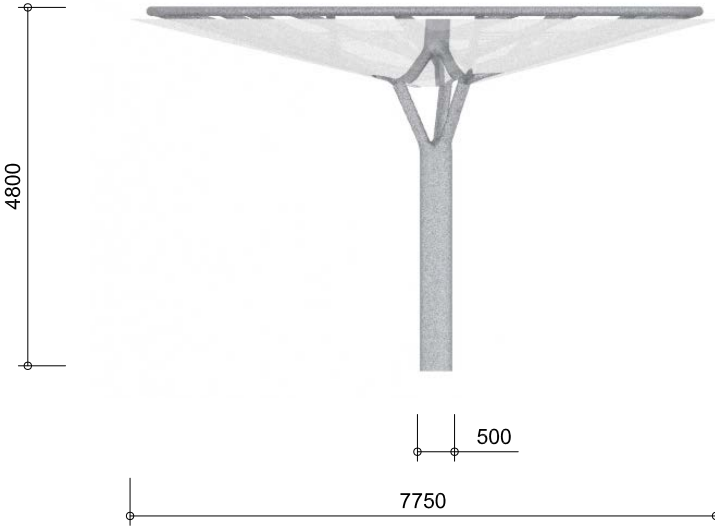
ELEMENT 3 - PLAN



ELEMENT 1 - ELEVATION



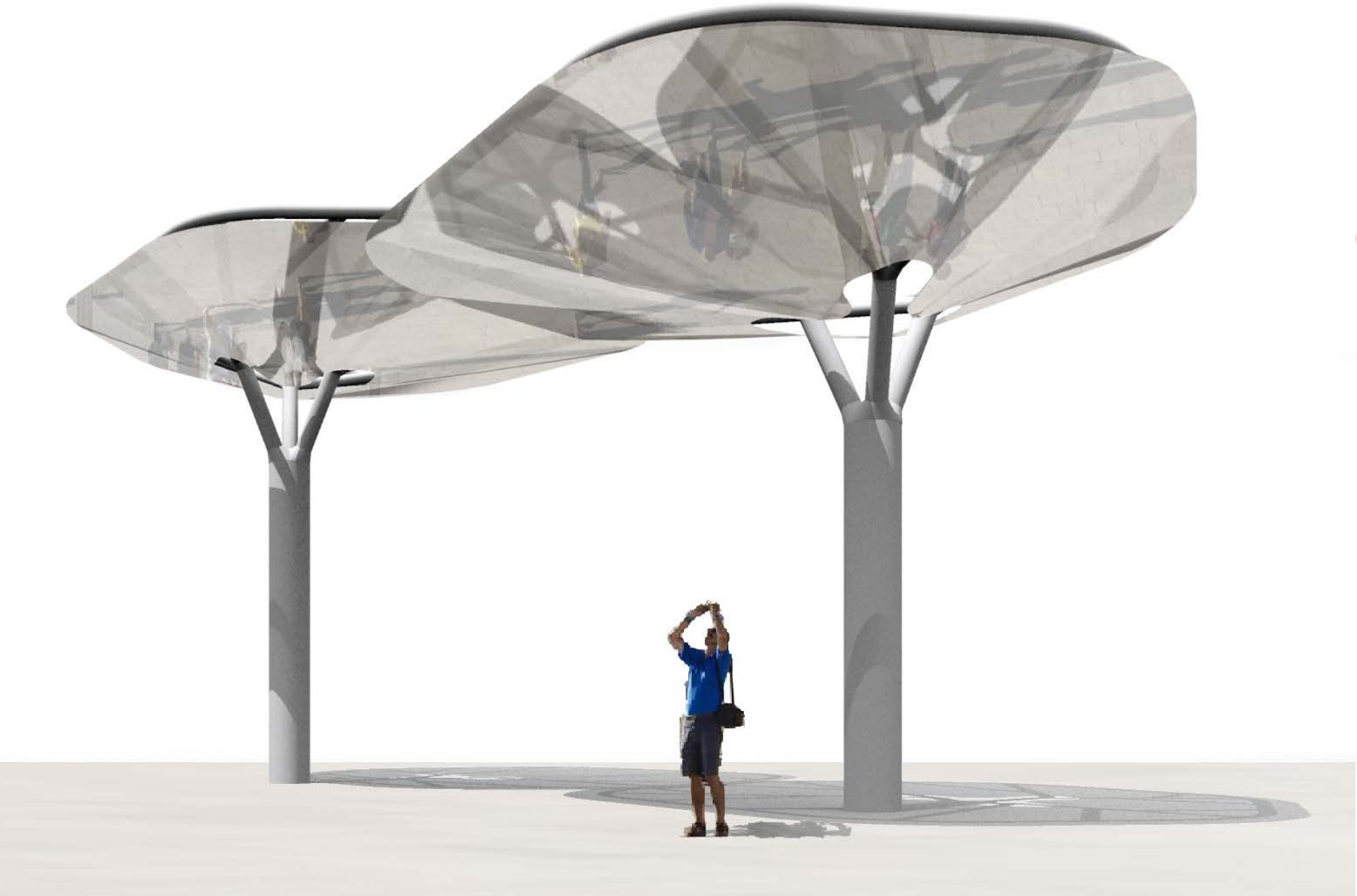
ELEMENT 2 - ELEVATION



ELEMENT 3 - ELEVATION



SHADE CANOPY - STAGE 1 PERSPECTIVES



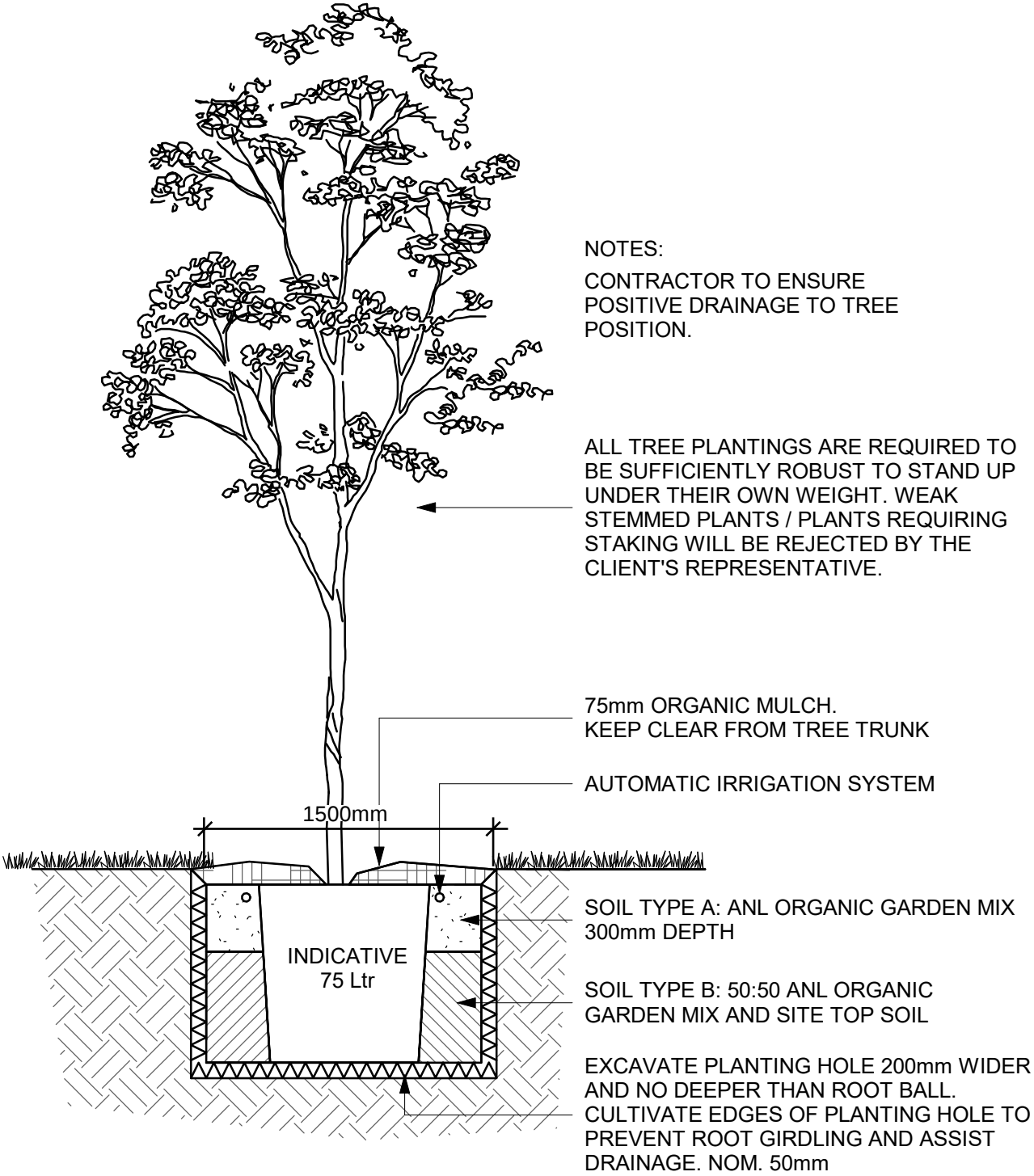
PERSPECTIVE - EYE VIEW

Mirror-polished stainless steel clad shade canopy. Perforated public artwork in progress.
Galvanised structural steel column and canopy framing.



PERSPECTIVE - BIRDS EYE VIEW

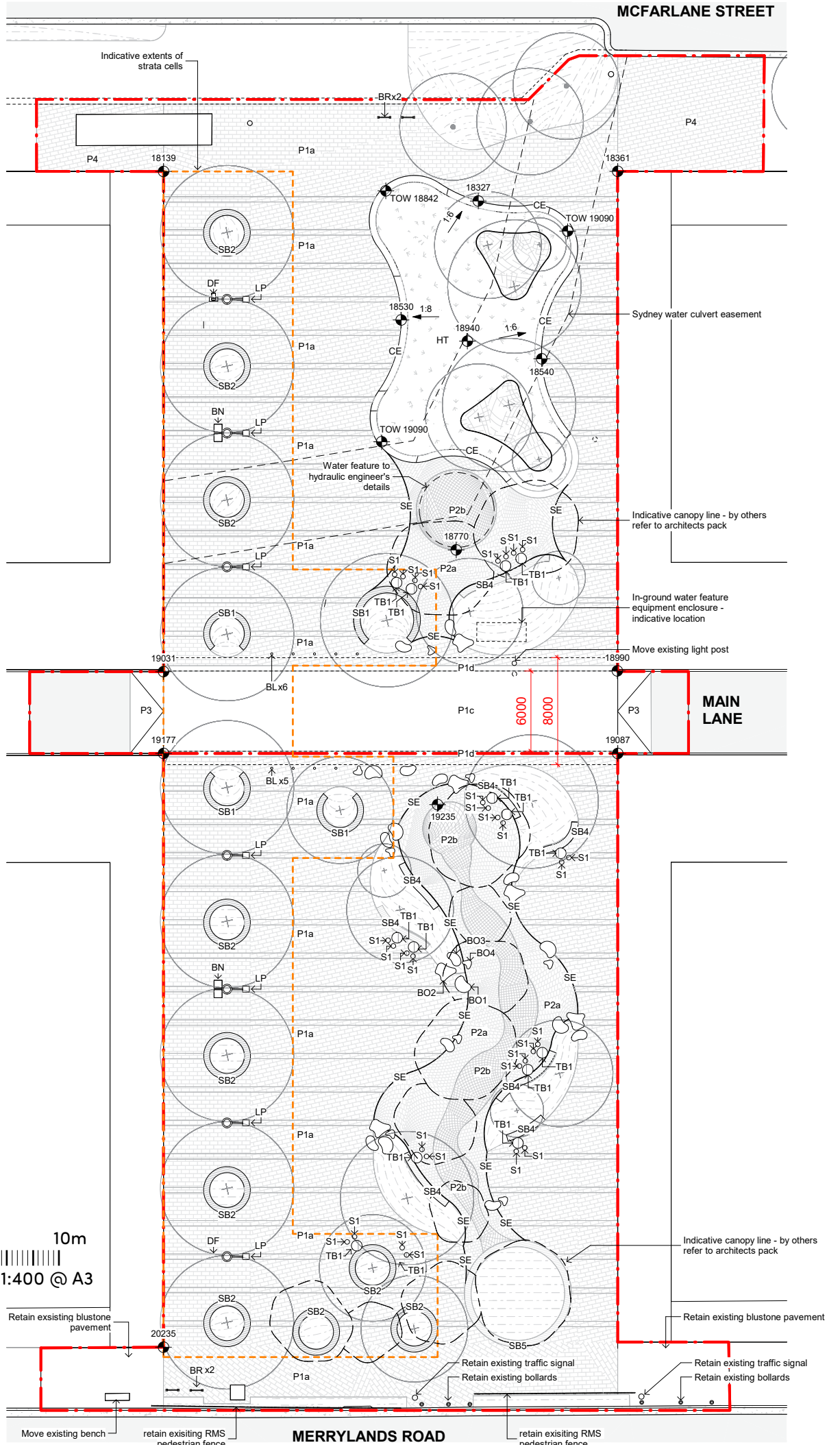
TYPICAL DETAIL - TREE PLANTING IN LAWN



LANDSCAPE SCHEDULE AND PLAN

CODE	SYMBOL	ITEM/PRODUCT	DIMENSION	CLOUR + FINISH	SUPPLIER (or eqval)	SHOP DRAWINGS	SAMPLES	NOTES	QTY	UNIT
PAVING										
Hf		CoverLawn hybrid turf	To all proposed lawn areas.	-	HG Turf group www.hgturfgroup.com.au	-	Required		197	m2
P1a		Concrete Unit Paving	(L) 600mm x (W) 400mm. 80mm thick	PPX 95 Sandblasted finish	Pebblecrete www.pebblecrete.com.au	-	Required		1830	m2
P1b		Concrete Unit Paving (banding)	(L) 600mm x (W) 400mm. 80mm thick	PPX 114-45 Honed finish	Pebblecrete www.pebblecrete.com.au	-	Required		271	m2
P1c		Concrete Cobble Paving	(L) 100mm X (W) 100mm. 80mm thick	80-20% mix 80% PPX 95 Sandblasted finish. 20% PPX 114-45 Honed finish	Pebblecrete www.pebblecrete.com.au	-	Required		204	m2
P1d		Concrete Cobble Paving (banding)	(L) 100mm X (W) 100mm. 80mm thick	PPX 114-45 Sandblasted finish	Pebblecrete www.pebblecrete.com.au	-	Required		27	m2
P2a		Concrete Unit Paving	(L) 100mm x (W) 100mm. 40mm thick	80-20% mix 80% PPX 95 Sandblasted finish. 20% PPX 114-45 Honed finish	Pebblecrete www.pebblecrete.com.au	-	Required		237	m2
P2b		Concrete Unit Paving	(L) 100mm x (W) 100mm. 40mm thick	20-80% mix 20% PPX 95 Sandblasted finish. 80% PPX 114-45 Honed finish	Pebblecrete www.pebblecrete.com.au	-	Required		106	m2
P3		Concrete Cobble Paving (threshold ramps)	(L) 100mm x (W) 100mm. 40mm thick	PPX 114-45 Sandblasted finish	Pebblecrete www.pebblecrete.com.au	-	Required		31	m2
P4		Concrete Unit paving as per Council public domain plans	Refer to Council Public Domain plans	Refer to Council Public Domain plans	Pebblecrete www.pebblecrete.com.au	-	Required		141	m2
FURNITURE AND FIXINGS										
BL		Slimline 150NB removable bollard	(Dia)160 x (H) 900mm	Stainless Steel	Leda Security www.ledasecurity.com.au	Required	Required		313	
BN		Dual Smart Solar Bins – Recycling, Litter and Cigarette butts (Manufacturer to council's selection)	To manufacturer's Specification	-	-	Required	Required		2	no.
BO1		Bolder Seating elements	As shown on plan. (H) 500mm (max.)	-	-	Required	Required		6	no.
BO2		Bolder Seating elements	As shown on plan. (H) 500mm (max.)	-	-	Required	Required		8	no.
BO3		Bolder Seating elements	As shown on plan. (H) 500mm (max.)	-	-	Required	Required		15	no.
BO4		Bolder Seating elements	As shown on plan. (H) 500mm (max.)	-	-	Required	Required		9	no.
BR		Cycle Hoop Standard - Bike rack	(H) 800	Stainless Steel	Civiq www.civiq.com.au	Required	Required		4	no.
DF		Aqualit FlexFountain 1500BF	(H) 1500	Stainless Steel	Civiq www.civiq.com.au	Required	Required		2	no.
LP		Smart light pole (Manufacturer to council's selection)	To manufacturer's Specification	-	-	Required	Required		7	no.
S1		Flip stool	Ø 350mm H:450mm	Top: Hardwood Base: Steel powder coated black	Moss Urban www.mosurban.com	Required	Required		30	no.
SB1		'Reforma' circular timber bench	(L) x (W) As shown on plan. (H) 500mm	Battens: Tropical Hardwood Legs: SCC Concrete	rmcote www.rmcote.com	Required	Required		3	no.
SB2		'Reforma' circular timber bench	(L) x (W) As shown on plan. (H) 500mm	Battens: Tropical Hardwood Legs: SCC Concrete	rmcote www.rmcote.com	Required	Required		10	no.
SB3		'Reforma' circular timber bench	(L) x (W) As shown on plan. (H) 500mm	Battens: Tropical Hardwood Legs: SCC Concrete	rmcote www.rmcote.com	Required	Required		1	no.
SB4		'Reforma' linear timber bench	(L) x (W) As shown on plan. (H) 500mm	Battens: Tropical Hardwood Legs: SCC Concrete	rmcote www.rmcote.com	Required	Required		8	no.
SB5		'Reforma' timber bench - Wall top mounted	(L) x (W) As shown on plan	Battens: Tropical Hardwood Legs: SCC Concrete	rmcote www.rmcote.com	Required	Required		1	no.
TB1		Verge Round Café Table – Pedestal	Ø:750mm H:730mm	Top: Hardwood Base: Steel powder coated black	Moss Urban www.mosurban.com	Required	Required		15	no.
WALLS										
CE		Varied height edge to lawn area	(w)500mm x (h) varied	precast concrete - with public art integration	Reckl www.reckl.com	Required	Required	-	63	Lin.m
SE		Steel Edge	6mm thick x 100mm height	Finish: Hot dipped galvanised	Ideal Edging - 02 9526 7606	Required	Required	Finish flush with adjacent pavement as shown on landscape plans.	178	

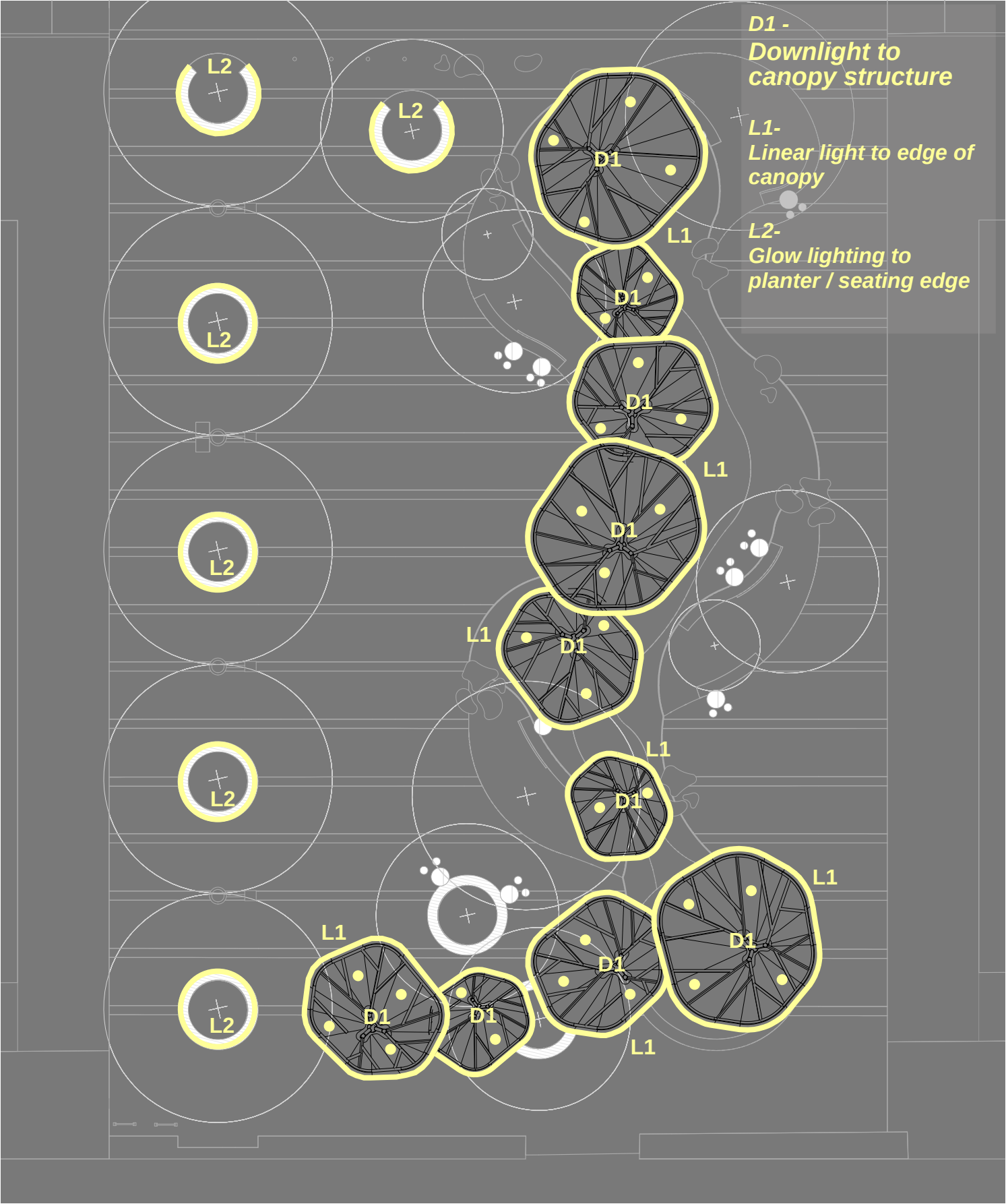
SOFTWARES							
SF CODE	SF SYMBOL	SF ITEM	SF SUPPLIER	SF DIMENSION	Comments	QTY.	UNIT
-		Proposed Planting	-	-	Hold point for preparation of subsoil. Earth cutting required to achieve nominated growing medium depths. All specimens to Natspec specification. Refer to planting schedules for quantity	339	m2
-		Proposed Lawn	-	-	Hold point for preparation of subsoil. Natural turf to grow through HT Hybrid turf product	196	m2
-		Existing Tree - to be retained	-	-	-	3	no.
-		Existing Tree - to be removed	-	-	-	0	no.
-		Proposed Tree	-	-	Inspection of setout & specimen quality on site prior to installation.All specimens to Natspec specificationsRefer to details. Refer to planting schedules for quantity	29	no.
-		Organic Mulch	-	Forest Blend Course 20-40mm gold coloured chip, made from 100%recycled grade A wood waste.	Supplier Certificates Required prior to installation. Keep clear of plant stem and tree trunk.	70	m2
-		Stratavault	CityGreen www.citygreen.com	Dimensions to manufacturer specification	Refer to GA plan for area. Stratavault to have 3 layers.	1028	m2





Type P1
Smart pole to provide
functional lighting for
path of travel
- with outreach arm and
light

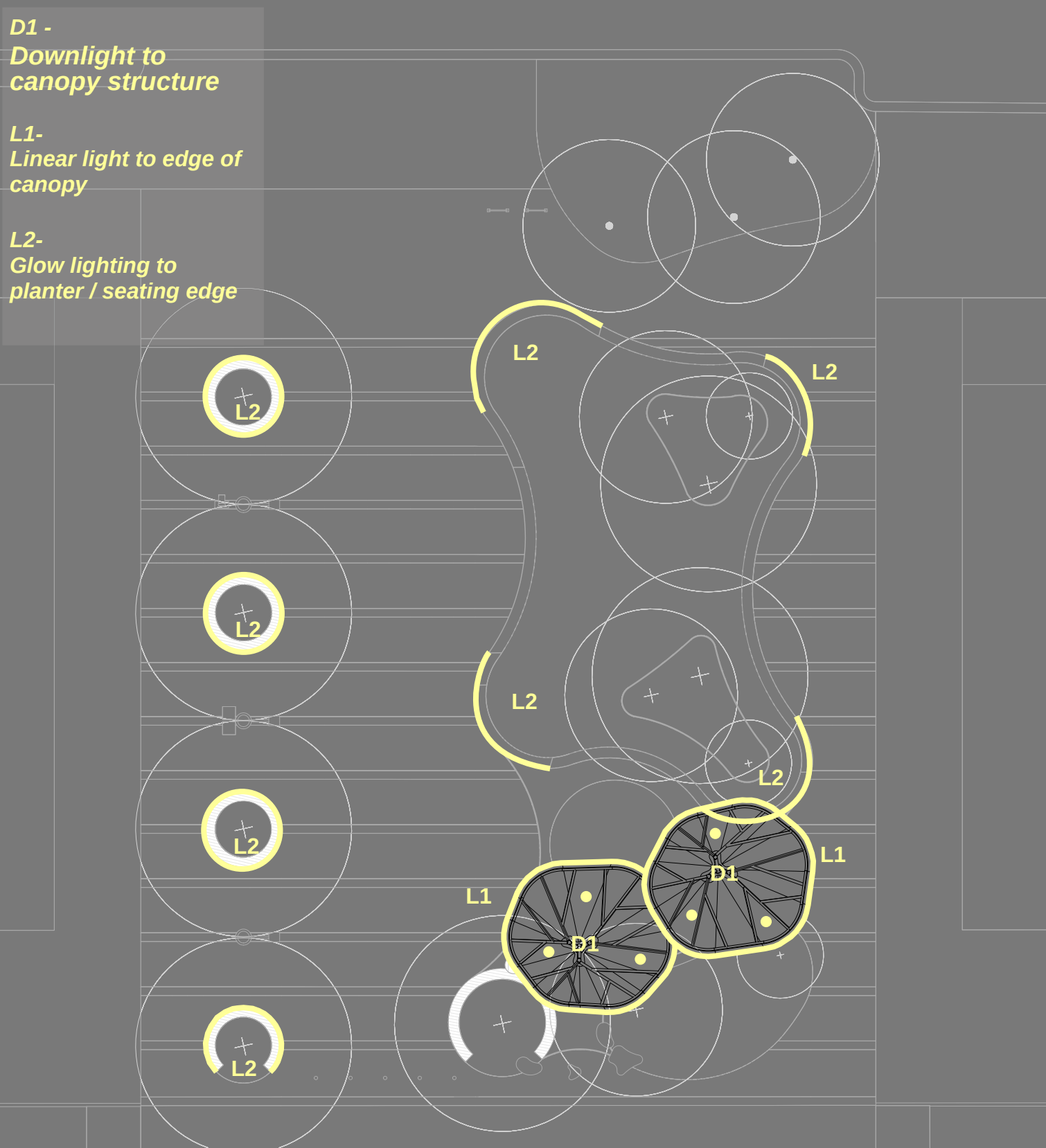




Type L1 + L2
Flexible linear light



Type D1
Downlight to Canopy



Type D1
Downlight to Canopy



Type L1 + L2
Glow light to planter / seating edge

project:
Merrylands Civic Square

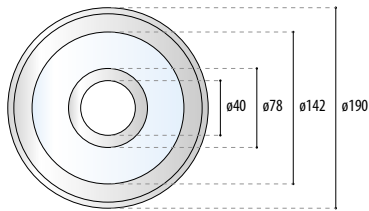
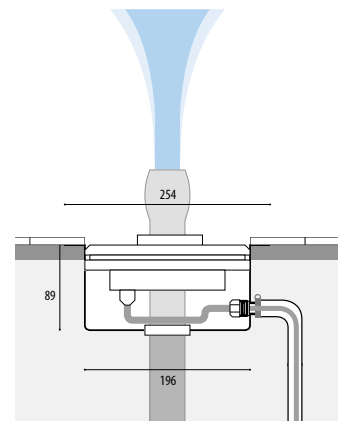
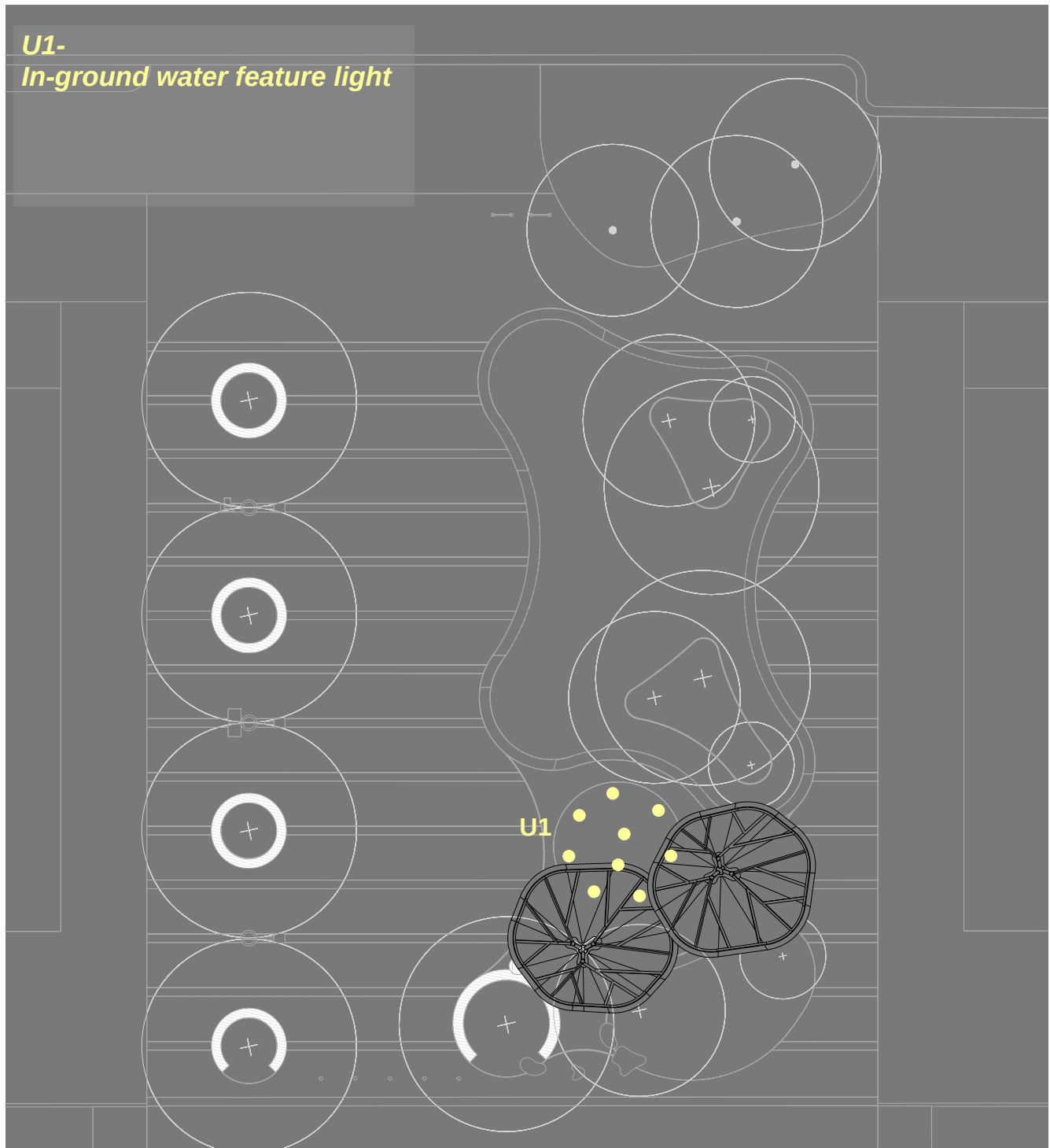
drawing:
Canopy North & Surrounds

project number:
L170Y

Rev:
B

Issue Date
14-12-21

U1-
In-ground water feature light



Type U1
Water Feature Light

project:
Merrylands Civic Square

drawing:
Water Feature Lighting

project number:
L170Y

Rev:
B

Issue Date
14-12-21

CODE	SYMBOL	IMAGE	ITEM/PRODUCT	DIMENSION	COLOUR + FINISH	SUPPLIER (or equal)	SHOP DRAWINGS	SAMPLES	NOTES	QTY	UNIT
PAVING											
HT			CoverLawn hybrid turf	To all proposed lawn areas.	-	HG Turf group www.hgturfgroup.com.au	-	Required		196	m2
P1a			Concrete Unit Paving	(L) 600mm x (W) 400mm. 80mm thick	Colour: PPX 95 Finish: Sandstone Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		1832	m2
P1b			Concrete Unit Paving (banding)	(L) 600mm x (W) 400mm. 80mm thick	Colour: PPX 114-45 Finish: Honed Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		272	m2
P2a			Concrete Cobble Feature Paving	(L) 100mm x (W) 100mm. 40mm thick	80-20% Mix Colour: 80% PPX 95 Finish: Sandstone Finish Layout: Stretcher Bond Colour: 20% PPX 114-45 Finish: Honed Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		237	m2
P2b			Concrete Cobble Feature Paving	(L) 100mm x (W) 100mm. 40mm thick	80-20% Mix Colour: 80% PPX 95 Finish: Sandstone Finish Layout: Stretcher Bond Colour: 20% PPX 114-45 Finish: Honed Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		106	m2
P3			Concrete Cobble Paving (threshold ramps)	(L) 100mm x (W) 100mm. 40mm thick	Colour: PPX 114-45 Finish: Sandstone Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		30	m2
P3a			Concrete Cobble Paving	(L) 100mm X (W) 100mm. 80mm thick	80-20% Mix Colour: 80% PPX 95 Finish: Sandstone Finish Layout: Stretcher Bond Colour: 20% PPX 114-45 Finish: Honed Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		203	m2
P3b			Concrete Cobble Paving (banding)	(L) 100mm X (W) 100mm. 80mm thick	Colour: PPX 114-45 Finish: Sandstone Finish Layout: Stretcher Bond	Pebblecrete www.pebblecrete.com.au	-	Required		27	m2
P4			Concrete Unit paving as per Council Public Domain Plans	To be advised by Council. Approx. 300x300x80mm	To be advised by Council. Indicative spec: Dark grey with aggregate. Staggered bond.	Pebblecrete www.pebblecrete.com.au	-	Required		141	m2
P5			Asphalt Paving	Refer to engineers details	Refer to engineers drawings	-	-	Required		63	m2
FURNITURE AND FIXINGS											
BL			Linea removable bollard	(H)900mm x (W) 100mm x (L)100mm	Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia	Required	Required		9	no.
BN			Dual Bins - Recycling & General (Manufacturer to council's selection)	(L)570 x (W)590 x (H)1180mm	-	-	Required	Required		4	no.
BO1			Boulder Seating elements	As shown on plan. (H) 500mm (max.)	Precast Concrete	Reckli www.reckli.com	Required	Required		6	no.
BO2			Boulder Seating elements	As shown on plan. (H) 500mm (max.)	Precast Concrete	Reckli www.reckli.com	Required	Required		8	no.
BO3			Boulder Seating elements	As shown on plan. (H) 500mm (max.)	Precast Concrete	Reckli www.reckli.com	Required	Required		15	no.
BO4			Boulder Seating elements	As shown on plan. (H) 500mm (max.)	Precast Concrete	Reckli www.reckli.com	Required	Required		9	no.
BR			Linea Bike Rack	(H) 760mm	Powdercoated galvanised stainless steel. Colour TBC	Street Furniture Australia www.streetfurniture.com	Required	Required		4	no.
DF			Aquafil FlexiFountain 1500BF	(H) 1500mm	Stainless Steel	Civiq www.civiq.com.au	Required	Required		2	no.
LP			Smart Pole	(Ø)230mm (H)11000mm	Aluminium; Finish: Clear anodised; Light fitting by others (Sylvania 150w Roadled Midl Aeroscreen	Urban Aluminium	Required	Required	Fixtures to be confirmed by Council including banner arms, wifi access, CCTV, event power, smart sensors (temperature/urban heat, humidity, air quality)	7	no.
PT			'PowerMe2' Power Table	(H) 685mm x (W) 300mm	As manufactured. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required		4	no.
S1			Cafe Stool with Timber Top	Ø:350mm H:450mm	Top: PEFC certified Spotted Gum timber battens. Frame: Coloured cast aluminium. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required		30	no.
S2a			Linea Curved Bench. Circular with standard steel frame and bespoke timber battens	(Outer dia) 3500mm, (W) 450mm, (H) 430mm	Battens: Tapered PEFC certified Spotted Gum laid perpendicular to frame. Frame: Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required	Refer to details sheet L-911	7	no.
S2b			Linea Curved Bench. Circular with standard steel frame and bespoke timber battens. With accompanying PT Power Table.	(Outer dia) 3500mm, (W) 450mm, (H) 430mm	Battens: Tapered PEFC certified Spotted Gum laid perpendicular to frame. Frame: Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required	Refer to details sheet L-911	4	no.
S3			Linea Curved Bench with standard steel frame and bespoke timber battens	(Outer dia) 4000mm, (W) 450mm (H) 430mm	Battens: Tapered PEFC certified Spotted Gum laid perpendicular to frame. Frame: Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required	Refer to details sheet L-911	1	no.
S4			Linea Curved Bench with standard steel frame and bespoke timber battens	(L)Varies, (W) 450mm, (H) 500mm	Battens: Tapered PEFC certified Spotted Gum laid perpendicular to frame. Frame: Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required	Refer to details sheet L-911	8	no.
S5			Custom wide timber bench on concrete plinth housing water feature equipment	(H) 450mm above ground level x (L) 7700mm x (W) 1200mm	Precast Concrete - with public art integration	By Landscape Contractor	Required	Required	Refer to Hydraulic Engineer's drawings for additional information.	1	no.

GENERAL NOTES

1. THIS DRAWING IS COPYRIGHT AND IS THE PROPERTY OF TURF DESIGN STUDIO AND
2. MUST NOT BE USED WITHOUT PERMISSION.
3. THIS DRAWING IS AN UNCONTROLLED COPY UNLESS STAMPED WITH STATUS
4. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND LEVELS ON SITE AS THIS IS NOT A SHOP DRAWING.
5. THE CONTRACTOR MUST REFER ANY DISCREPANCIES TO THE SUPERINTENDENTS REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR MUST NOT SCALE FROM THESE DRAWINGS. USE NOMINATED DIMENSIONS AND LEVELS.
7. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE TOTAL CONTRACT PACKAGE INCLUDING DRAWINGS AND SPECIFICATIONS OF ALL CONSULTANTS.
8. IF THE CONTRACTOR INTENDS TO UNDERTAKE ANY EXCAVATION WORK, IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT 1100 - DIAL BEFORE YOU DIG OR WWW.1100.COM.AU

SURVEY INFORMATION

1. TURF DESIGN STUDIO DO NOT WARRANT THE ACCURACY OF SURVEY INFORMATION.

NOT FOR CONSTRUCTION

B17/02/202250% DESIGN DEVELOPMENT

A08/02/2022DRAFT 50% DD

CW

SJ

CW

CO

Rev

Date

Description

Drawn

Checked



Turf Design Studio

: 35 Wellington St, Chippendale NSW 2008

Phone (+61 2) 8394 9990

Email: sydney@turfdesign.com

Client

 CUMBERLAND CITY COUNCIL

Project

Merrylands Civic Square

Drawing Title

Legend and Landscape Schedule - Sheet 1

Drawing Status

50% DESIGN DEVELOPMENT

Scale

@A1

Plot Date

Thu 17/02/2022 5:42:29 PM

Project No.

2129

Drawing No.

L-001

Revision

B

B:\Merrylands Civic Square\2129_Merrylands Civic Square\2129_Merrylands Civic Square\2129_Merrylands Civic Square.dwg

CODE	SYMBOL	IMAGE	ITEM/PRODUCT	DIMENSION	COLOUR + FINISH	SUPPLIER (or equal)	SHOP DRAWINGS	SAMPLES	NOTES	QTY	UNIT
S6			Linea Curved Bench. Circular with standard steel frame and bespoke timber battens	(Outer dia) 5000mm, (W) 450mm), (H) 430mm	Battens: Tapered PEFC certified Spotted Gum laid perpendicular to frame. Frame: Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required	Refer to details sheet L-911	1	no.
S7			Linea Curved Bench - Plinth Fixed on Concrete Edge seating wall	(Outer dia.) 8000mm x (W) 450mm, (H) 430mm	Battens: Tapered PEFC certified Spotted Gum laid perpendicular to frame. Frame: Powdercoated galvanised stainless steel. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required	Refer to details sheet L-911	2	no.
SK			Smart Kiosk with digital screen. Features to Council's selection.	Approx. (H) 1800mm x (W) 800mm x (D) 150mm	TBC	To Council's selection	Required	Required		1	no.
TB1			Cafe Round Table with Timber Top	Ø:750mm H:730mm	Top: PEFC certified Spotted Gum timber battens. Frame: Coloured cast aluminium. Colour: TBC	Street Furniture Australia www.streetfurniture.com	Required	Required		15	no.

WALLS

CE			Varied height edge to lawn area	(w)500mm x (h) varied	Precast Concrete - with public art integration	Reckli www.reckli.com	Required	Required	Refer to specification for protection of existing trees.	86	
SE			Steel Edge	6mm thick x 100mm height	Finish: Hot dipped galvanised	Ideal Edging - 02 9526 7606	Required	Required	Finish flush with adjacent pavement as shown on landscape plans.	198	Lin.m

SOFTWORKS

SF CODE	SF SYMBOL	SF ITEM	SF SUPPLIER	SF DIMENSION	Comments	QTY.	UNIT
-		Proposed Planting	-	-	Hold point for preparation of subsoil. Earth cutting required to achieve nominated growing medium depths. All specimens to Natspec specification. Refer to planting schedules for quantity	414	m2
-		Proposed Lawn - species: Zoysia macrantha (Nara)	-	-	Hold point for preparation of subsoil. Natural turf to grow through HT Hybrid turf product	196	m2
-		Existing Tree - to be retained	-	-	-	3	no.
-		Existing Tree - to be removed	-	-	-	0	no.
-		Proposed Tree	-	-	Inspection of setout & specimen quality on site prior to installation.All specimens to Natspec specificationsRefer to details. Refer to planting schedules for quantity	25	no.
-		Organic Mulch	-	-	Forest Blend' Course 20-40mm gold coloured chip, made from 100%recycled grade A wood waste. Supplier Certificates Required prior to installation. Keep clear of plant stem and tree trunk.	414	m2
-		Stratavault - 45 series root cell structure	CityGreen www.citygreen.com	-	Dimensions to manufacturer specification Refer to GA plan for area. Stratavault to have 3 layers.	943	m2
-		Soil Type A - Native Garden Mix (SMARTMIX® 6)	Benedict hiips://www.benedict.com.au	300mm Depth	Refer to manufacturer's specification		
-		Soil Type B - Native Garden Sub-Soil Mix (SMARTMIX® 7)	Benedict hiips://www.benedict.com.au	As shown in Softworks details	Refer to manufacturer's specification		

GENERAL NOTES

1. THIS DRAWING IS COPYRIGHT AND IS THE PROPERTY OF TURF DESIGN STUDIO AND
2. MUST NOT BE USED WITHOUT PERMISSION.
3. THIS DRAWING IS AN UNCONTROLLED COPY UNLESS STAMPED WITH STATUS
4. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND LEVELS ON SITE AS THIS IS REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
5. THE CONTRACTOR MUST REFER ANY DISCREPANCIES TO THE SUPERINTENDENTS
6. THE CONTRACTOR MUST NOT SCALE FROM THESE DRAWINGS. USE NOMINATED DIMENSIONS AND LEVELS.
7. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE TOTAL CONTRACT PACKAGE INCLUDING DRAWINGS AND SPECIFICATIONS OF ALL CONSULTANTS.
8. IF THE CONTRACTOR INTENDS TO UNDERTAKE ANY EXCAVATION WORK, IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT 1100 - DIAL BEFORE YOU DIG OR WWW.1100.COM.AU

SURVEY INFORMATION

1. TURF DESIGN STUDIO DO NOT WARRANT THE ACCURACY OF SURVEY INFORMATION.

NOT FOR CONSTRUCTION

B 17/02/2022 50% DESIGN DEVELOPMENT CW SJ
A 08/02/2022 DRAFT 50% DD CW CO

Rev Date Description Drawn Checked

turf

Turf Design Studio : 35 Wellington St, Chippendale NSW 2008
Phone (+61 2) 8394 9990
Email: sydney@turfdesign.com

Client

CUMBERLAND CITY COUNCIL

Project

Merrylands Civic Square

Drawing Title

Legend and Landscape Schedule - Sheet 2

Drawing Status

50% DESIGN DEVELOPMENT

Scale: @A1 Plot Date Thu 17/02/2022 5:42:41 PM

Project No. Drawing No. Revision

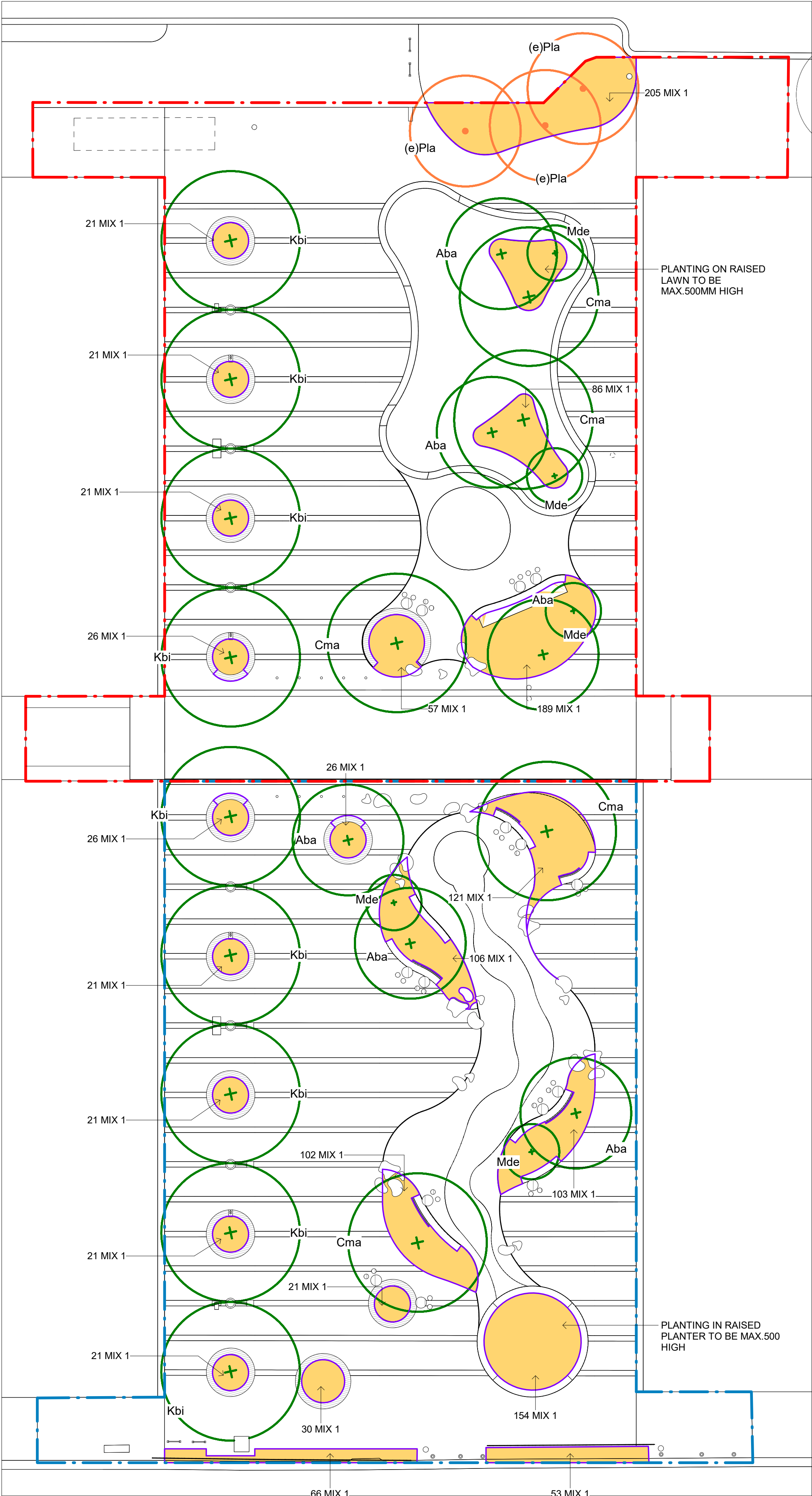
2129 L-002 B

B:\Merrylands Civic Square\2129_Merrylands Civic Square\2129_Merrylands Civic Square\2021

PROPOSED PLANTING SCHEDULE						
CODE	BOTANICAL NAME	COMMON NAME	MATURE SIZE	CENTRES	POT SIZE	QUANTITY
TREE SPECIES						
(e)Pla	Platanus x acerifolia	London Plane	Existing on site	-	-	3
Aba	Angophora bakeri	Narrow-Leaved Apple	(h)10m x (w)10m	As Shown	400lt	6
Cma	Corymbia maculata	Spotted Gum	(h)30m x (w)10m	As Shown	800lt	5
Kbi	Koelreuteria bipinnata	Chinese Golden Rain Tree	(h)10m x (w)8m	As Shown	800lt	9
Mde	Melaleuca decora	White Feather Honeymyrtle	(h)8m x (w)4m	As Shown	400lt	5
GROUNDCOVERS AND CLIMBERS						
CODE	SPECIES	COMMON NAME	CENTRES(mm)	POT SIZE	QUANTITY	TOTAL AREA
MIX 1	Dichopogon fimbriatus Lissanthe strigosa Arthropodium milleforium Dillwynia sieberi Ozothamnus diosmifolius Daviesia ulicifolia Indigofera Australis Dianella revoluta Eremophila debilis Einadia nutans Billardiera scandens Wahlenbergia gracilis Asperula conferta Hardenbergia violacea (climber) Dianella longifolia Pratia purpurascens Hibbertia scandens (climber) Lomandra filiformis Myoporum parvifolium Dichondra repens	Nodding Chocolate Lily Peach Heath Pale Vanilla Lily Prickly Parrot-Pea Rice Flower Gorse Bitter Pea Australian Indigo Blueberry Lily Winter Apple Climbing Saltbush Apple Berry Sprawling Bluebell Common Woodruff False Sarsaparilla Blueberry Lily White Root Snake Vine Wattle Mat-Rush Creeping Boobialla Kidney Weed	500	200	1598	399 m²

Please note: In addition to the specification (where provided) the following controls will apply to plant material brought to site. Where any perceived conflict arises the listed items below are to prevail:

- The head contractor must place the plant order for the whole site within 2 weeks of signing the head contract to ensure the plant nursery has enough time to source and grow on plant stock.
- The Genus and Species nominated must be delivered to site in the total quantity specified. Varieties and hybrids of the same genus are not a suitable substitute.
- Unapproved substitutes will be detected and require replacement.
- Unapproved reductions to the specified pot sizes will be detected and require replacement, or where approved by client, a cost credit will be applied.
- Acceptance of plant stock is wholly at the discretion of the client. Plants deemed to be unsuitable for any reason (damage, root girdling, poor health, no vigorous, yellowing leaves, insect predation, water stress... etc.) can be rejected by the client and will require replacement at the contractors expense.
- Plants that are deemed too small for the pot size nominated (as determined by the client and/or the clients representative) will be detected and require replacement.
- It is incumbent upon the contractor to maintain appropriate quality controls to minimise costly and timely defects rectification.
- Liaison with the plant nursery, inspecting and receiving plant stock must be undertaken by a qualified horticulturist with a minimum of 5 years practical experience on construction projects. The name and qualifications of the horticulturist must be submitted for approval within 2 weeks of the head contract being award. The client may accept or reject the submission and the contractor must seek an alternative horticulturist to the satisfaction of the client. Where not under the employ of the contractor, the contractor must hire a horticulturist for the project. The horticulturist must liaise with the client and clients' representative on all plant related issues and be present at any site inspection during soil, irrigation, and plant installation.



GENERAL NOTES

- THIS DRAWING IS COPYRIGHT AND IS THE PROPERTY OF TURF DESIGN STUDIO AND
- MUST NOT BE USED WITHOUT PERMISSION.
- THIS DRAWING IS AN UNCONTROLLED COPY UNLESS STAMPED WITH STATUS
- THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND LEVELS ON SITE AS THIS IS NOT A SHOP DRAWING.
- THE CONTRACTOR MUST REFER ANY DISCREPANCIES TO THE SUPERINTENDENTS REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR MUST NOT SCALE FROM THESE DRAWINGS. USE NOMINATED DIMENSIONS AND LEVELS.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE TOTAL CONTRACT PACKAGE INCLUDING DRAWINGS AND SPECIFICATIONS OF ALL CONSULTANTS.
- IF THE CONTRACTOR INTENDS TO UNDERTAKE ANY EXCAVATION WORK, IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT 1100 - DIAL BEFORE YOU DIG OR WWW.1100.COM.AU

SURVEY INFORMATION

- TURF DESIGN STUDIO DO NOT WARRANT THE ACCURACY OF SURVEY INFORMATION.

NOT FOR CONSTRUCTION

KEY

--- STAGE 1 SITE BOUNDARY

--- STAGE 2 SITE BOUNDARY

B 17/02/2022 50% DESIGN DEVELOPMENT CW SJ
A 08/02/2022 DRAFT 50% DD CW CO

Rev	Date	Description	Drawn	Checked

turf

Turf Design Studio : 35 Wellington St, Chippendale NSW 2008
Phone (+61 2) 8394 9990
Email: sydney@turfdesign.com

Client

CUMBERLAND CITY COUNCIL

Project

Merrylands Civic Square

Drawing Title

Planting Plan and Schedule

Drawing Status

50% DESIGN DEVELOPMENT

Scale	As indicated @A1	Plot Date	Thru 17/02/2022 5:44:04 PM
Project No.	Drawing No.	Revision	
2129	L-520	B	

B:\360\2\23_Merrylands Civic Square\2129_Merrylands Civic Square\2024.vrt

SITE CONTEXT - DCP LOTS & HEIGHTS

DCP DEVELOPMENT LOTS



Figure 9: Preferred site Amalgamation Plan

DCP Page F2 179

DCP BUILT FORM

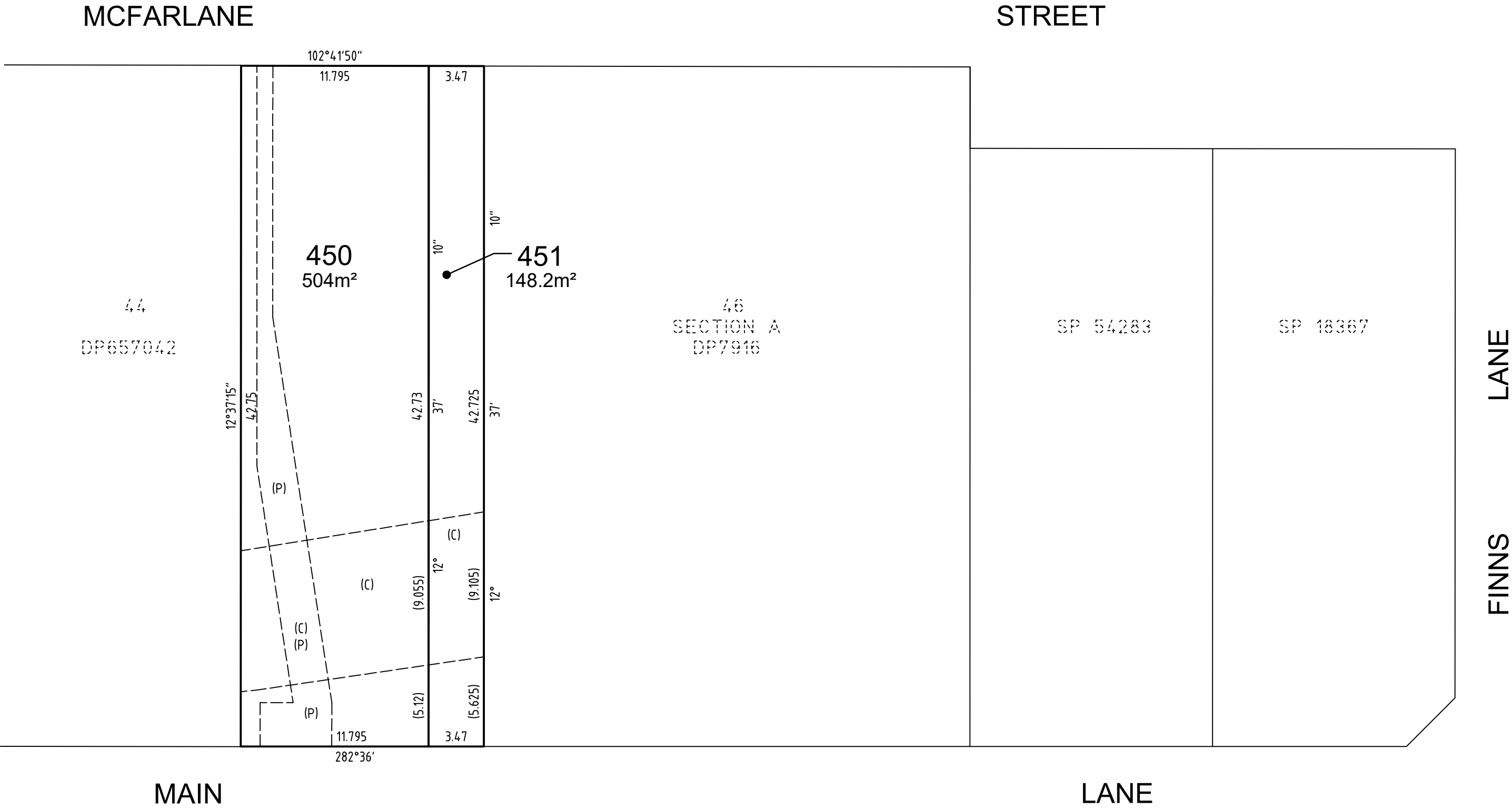


Figure 10: Built Form

DCP Page F2 180

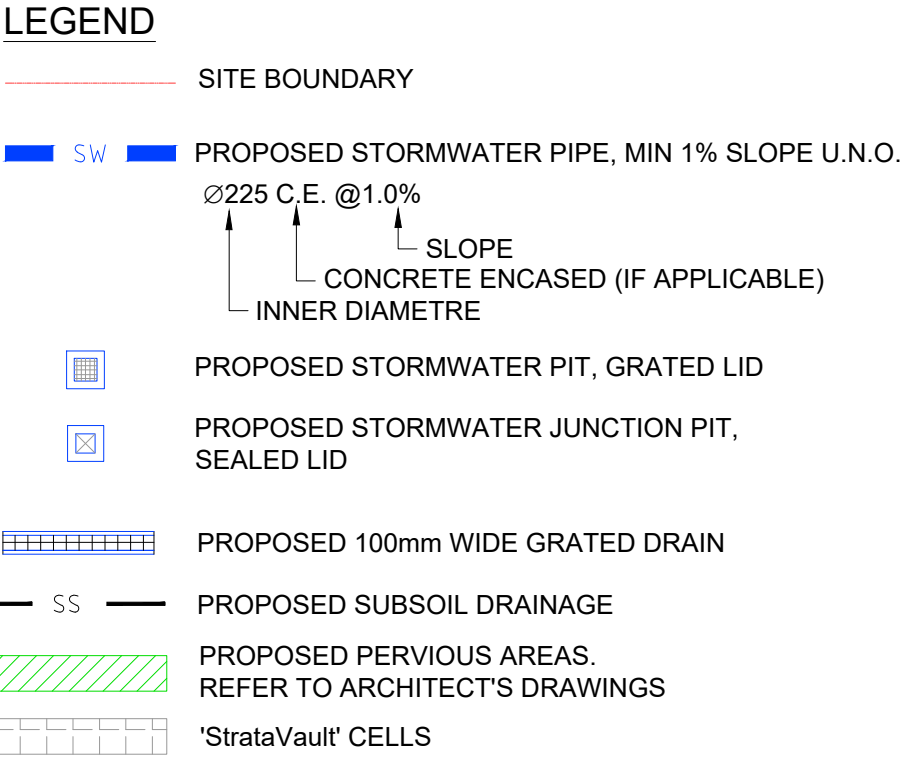
VIEW | LOOKING SOUTH FROM MCFARLANE STREET
BUILDINGS MODELLED INDICATIVELY BASED ON DCP





(C) EASEMENT (C866493)
(E) EASEMENT FOR UNDERGROUND MAINS (P93744)
(F) RIGHT OF CARRIAGEWAY (F273576)
(P) EASEMENT FOR ELECTRICITY PURPOSES (P699694)

SURVEYOR Name : RPS SURVEYOR Date : xx.xx.20xx Reference : PR150177_DP1	PLAN OF SUBDIVISION OF LOT 45 IN SECTION A OF DP7916	LGA : CUMBERLAND Locality : MERRYLANDS Reduction Ratio 1 : 500 Lengths are in metres.	REGISTERED	PRELIMINARY ISSUE Issue date: 14-12-2021
--	---	--	-----------------------	---

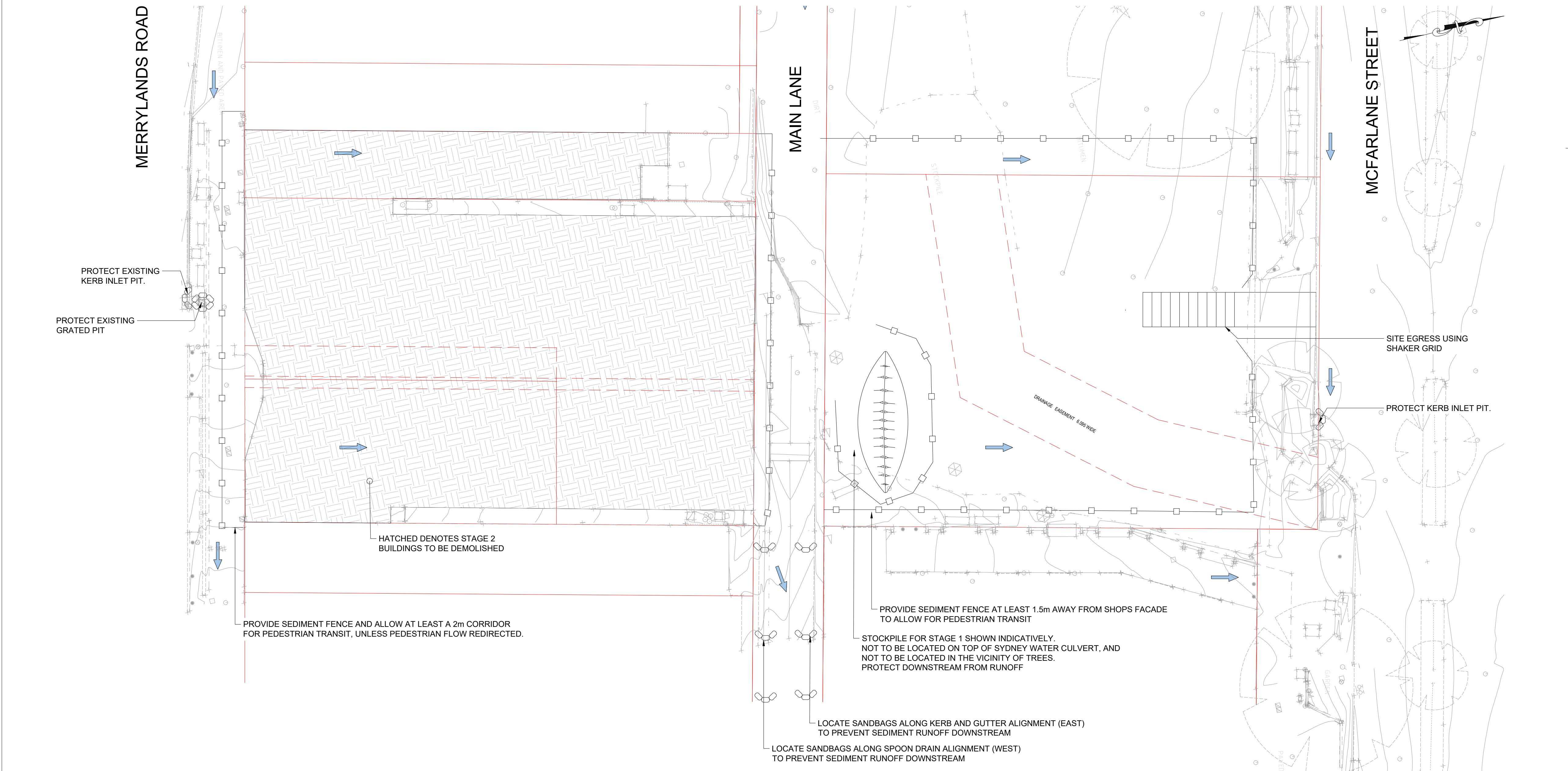


NOT FOR CONSTRUCTION

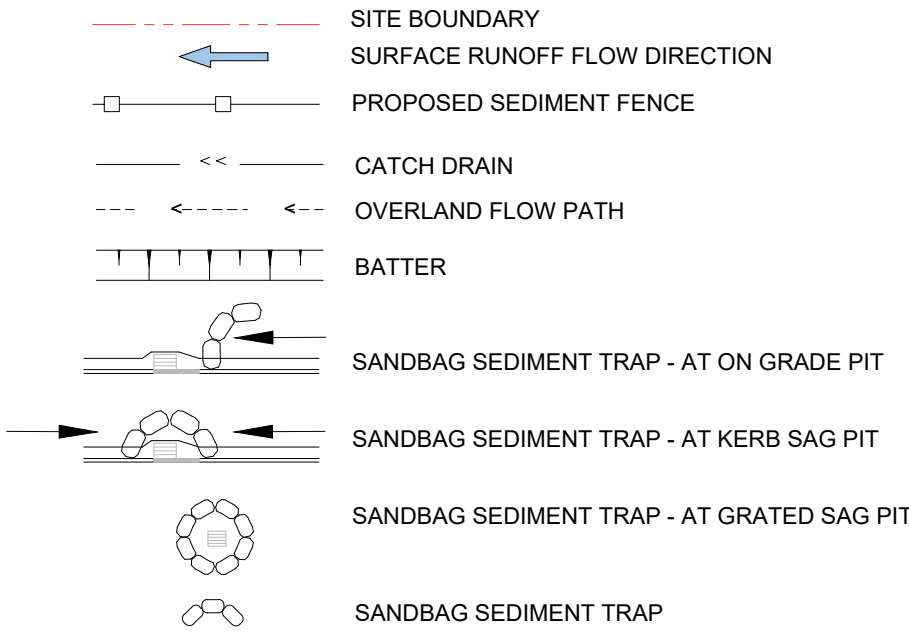
rev	date	description		drm	ch'k

enstruct

project no.	drawing no.	re
6593	CV-0010	



EROSION AND SEDIMENT CONTROL LEGEND



EROSION AND SEDIMENT CONTROL NOTES

1. All work shall be generally carried out in accordance with
(A) Local authority requirements,
(B) EPA - Pollution control manual for urban stormwater,
(C) LANDCOM NSW - Managing Urban Stormwater: Soils and Construction ("Blue Book").
2. Erosion and sediment control drawings and notes are provided for the whole of the works. Should the Contractor stage these works then the design may be required to be modified. Variation to these details may require approval by the relevant authorities. The erosion and sediment control plan shall be implemented and adapted to meet the varying situations as work on site progresses.
3. Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
4. When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
5. Minimise the area of site being disturbed at any one time.
6. Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
7. All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
8. Control water from upstream of the site such that it does not enter the disturbed site.
9. All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
10. All vehicles leaving the site shall be cleaned and inspected before leaving.
11. Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
12. Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

1. Prior to commencement of excavation the following soil management devices must be installed.
 - 1.1. Construct silt fences below the site and across all potential runoff sites.
 - 1.2. Construct temporary construction entry/exit and divert runoff to suitable control systems.
 - 1.3. Construct measures to divert upstream flows into existing stormwater system.
 - 1.4. Construct sedimentation traps/basin including outlet control and overflow (if required).
 - 1.5. Construct turf lined swales.
 - 1.6. Provide sandbag sediment traps upstream of existing pits.
2. Construct geotextile filter pit surround around all proposed pits as they are constructed.
3. On completion of pavement provide sand bag kerb inlet sediment traps around pits.
4. Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

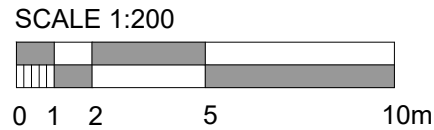
WATER QUALITY TESTING REQUIREMENTS

Prior to discharge of site stormwater, groundwater and seepage water into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant outlining the following:

- Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)
- If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water that is to be discharged into Councils storm water drainage system. This should include comments from a suitably qualified environmental consultant confirming the suitability of these remedial measures to manage the water discharged from the site into Councils storm water drainage system. Outlining the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site. This should outline the frequency of water quality testing that will be undertaken by a suitably qualified environmental consultant.

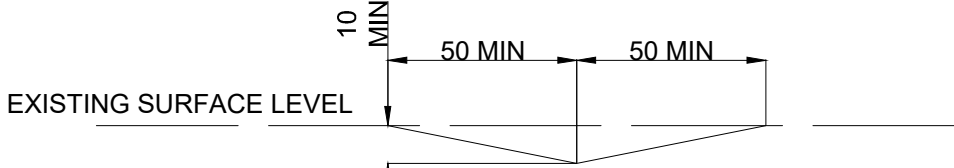
EROSION AND SEDIMENT CONTROL PUMP OUT NOTES

Any accumulated water contaminated with sediment, from a sediment basin or excavation pit, is to be flocculated or filtered in order to lower the suspended solid load to less than 50mg per litre gypsum gas or other approved flocculant should be applied within 24 hours of the end of the storm event. The gypsum must be spread evenly over the entire water surface. Pumping is not to occur for at least 36 hours and preferably 48 hours after application. Clean water is to be discharged to the water table via a bale bail sediment filter in a way that does not pick up sediment that has dropped to the bottom.
Note: gypsum is a hydrated form of calcium sulphate and is available at many swimming pool shops and hardware stores.



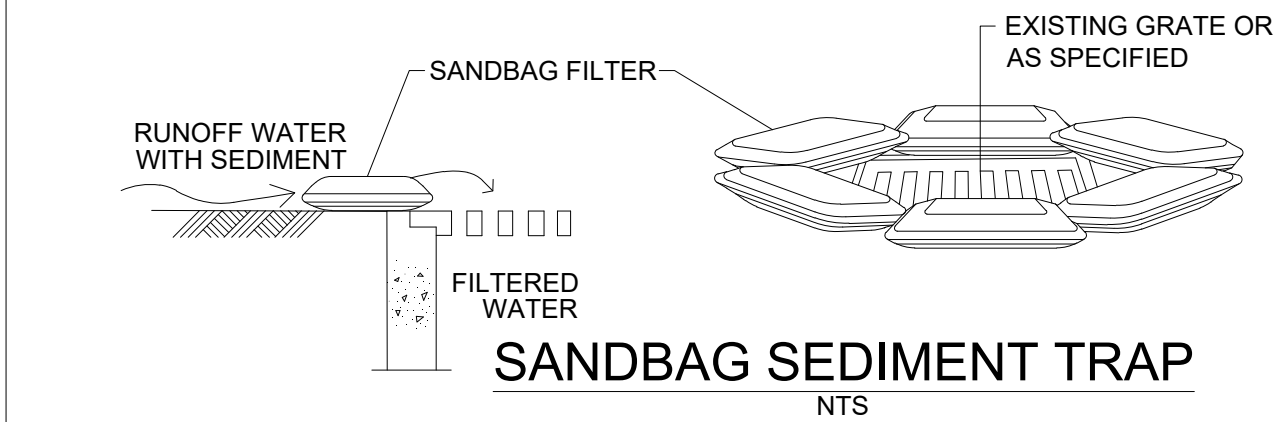
SEDIMENT AND EROSION CONTROL PLAN

SCALE 1:200



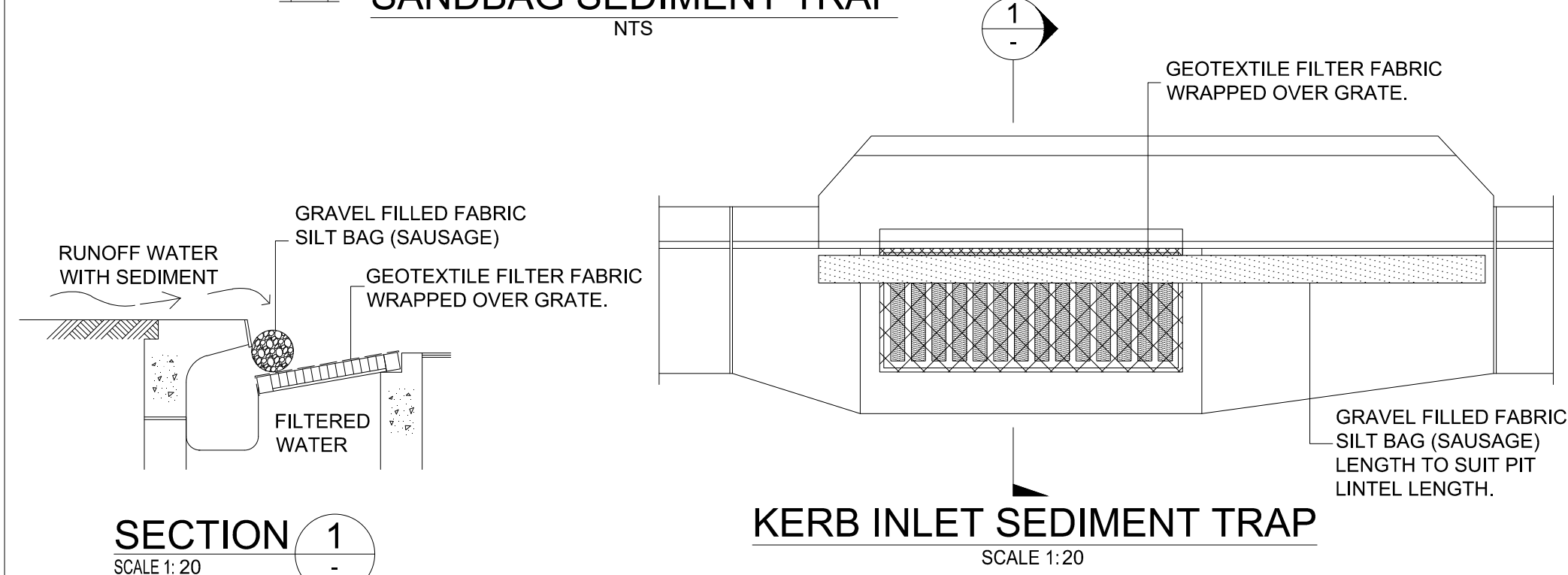
TYPICAL SECTION THROUGH CATCH DRAIN

SCALE 1:20



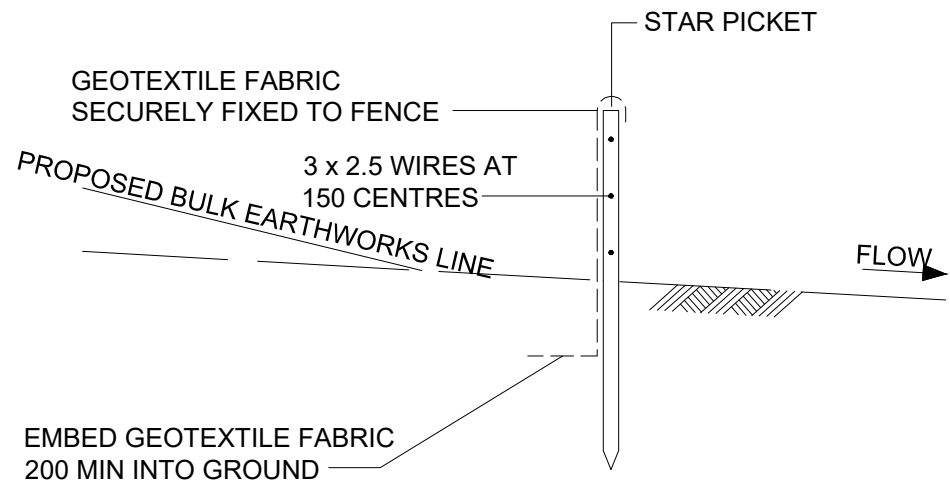
SANDBAG SEDIMENT TRAP

NTS



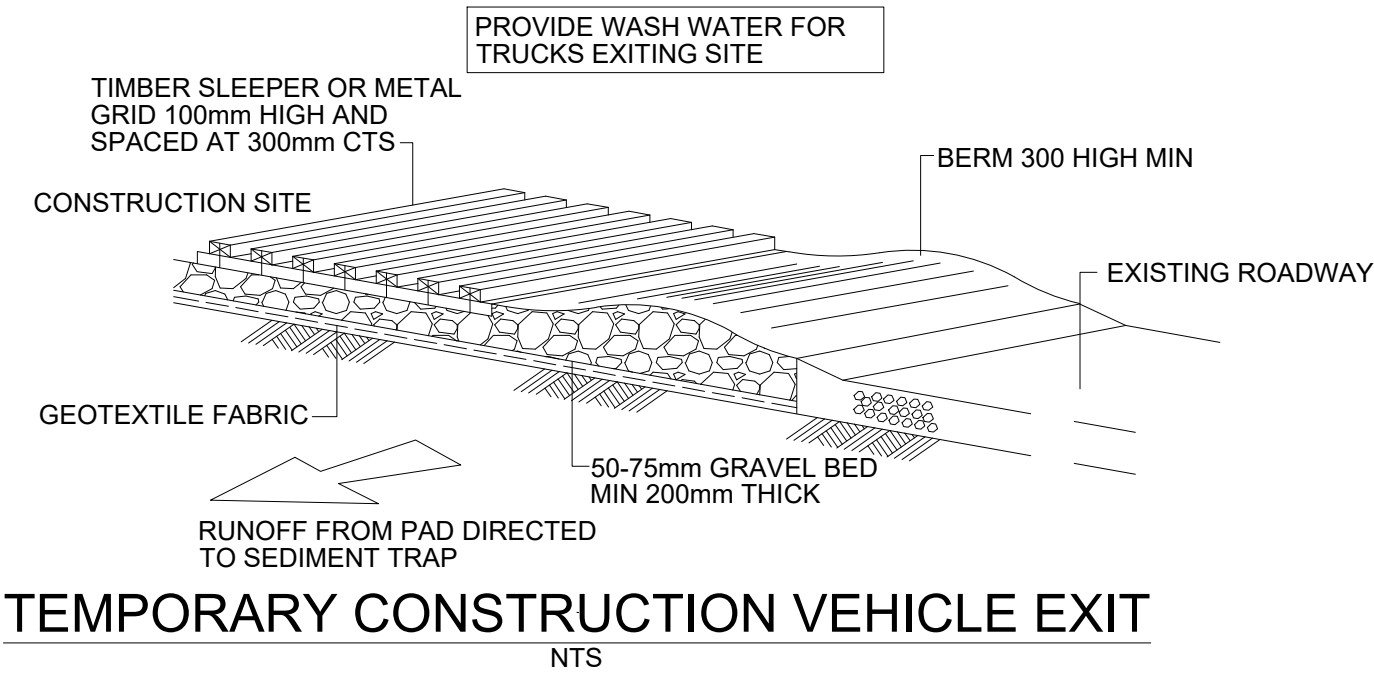
KERB INLET SEDIMENT TRAP

SCALE 1:20



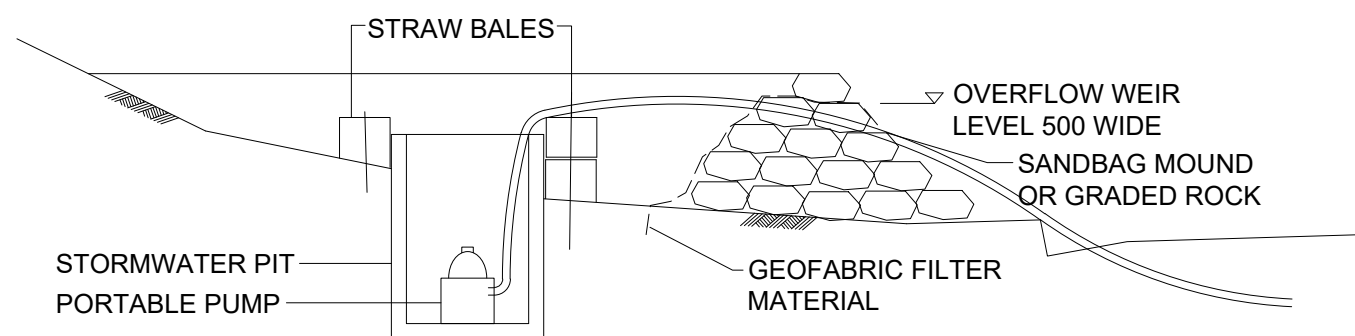
SILTATION FENCE DETAIL

SCALE 1:20



TEMPORARY CONSTRUCTION VEHICLE EXIT

NTS



SEDIMENTATION TRAP

NTS

rev	date	description	dm	ch/k
1	10/12/21	ISSUED FOR DA	JAF	PAL

rev	date	description	dm	ch/k

rev	date	description	dm	ch/k

enstruct group pty ltd

Level 4, 2 Glen Street
Milsons Point NSW 2061
Australia

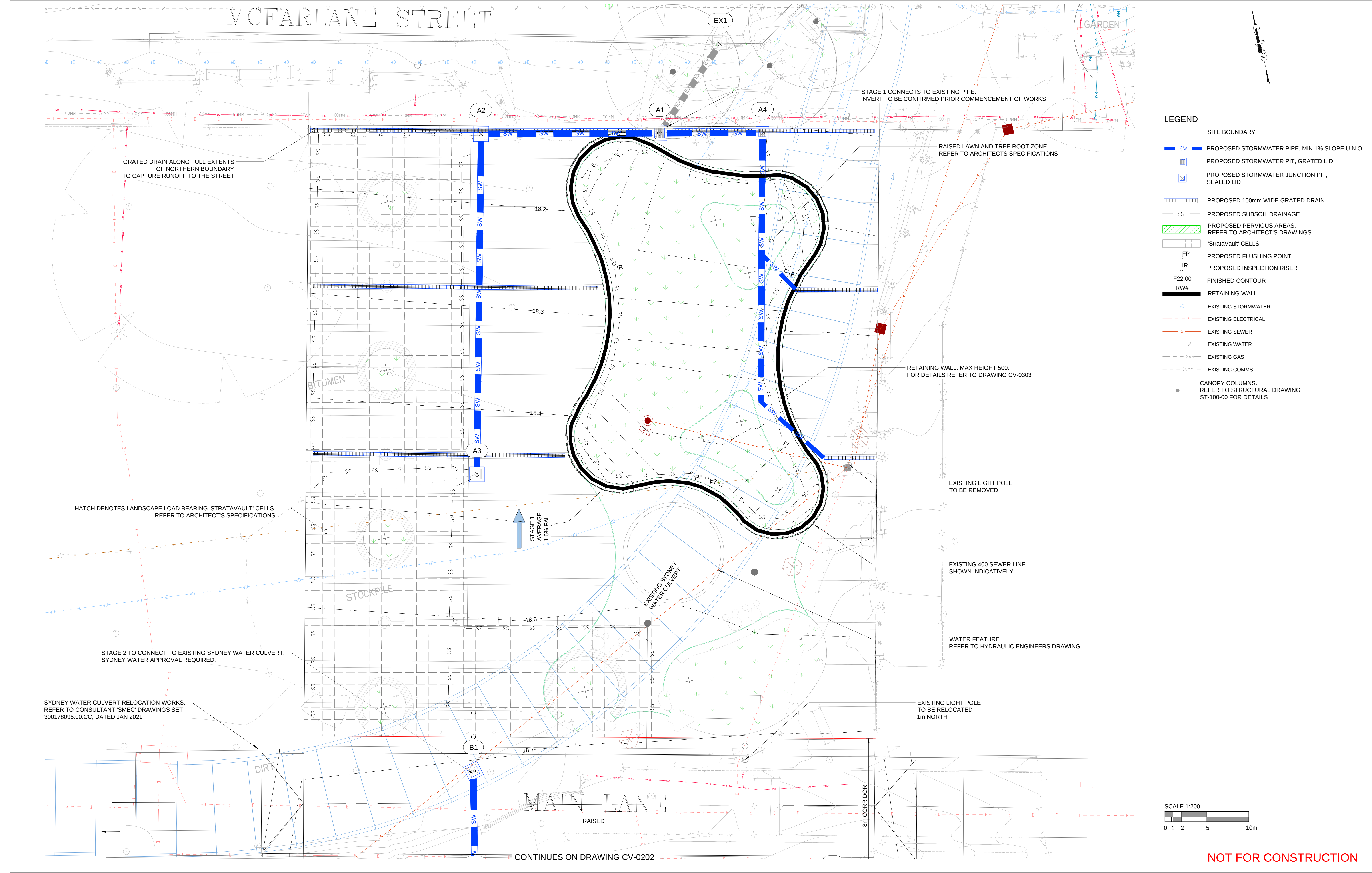
Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

enstruct

project	MARYLANDS CIVIC SQUARE
PROJECT ADDRESS	

drawing title	EROSION AND SEDIMENT CONTROL PLAN
---------------	-----------------------------------

status				FOR INFORMATION ONLY	
scale at A1		drawn	checked	approved	
SHOWN		JAF	PAL	DEC 2021	
project no.		drawing no.		rev.	
6593		CV-0100		1	



Date generated 15/02/2022 5:12:04 PM P:\14500\66300 - ENSTRUCT DOCUMENTS\01 - CAD\CIVIL\DRAWINGS\CV-0201

01	15/02/22	ISSUE FOR 50% DESIGN					BEJ	JAF	
rev	date	description					dwn	ch/k	

rev	date	description					dwn	ch/k	

enstruct group pty ltd

Level 4, 2 Glen Street
Milsoms Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au



project	MERRYLANDS CIVIC SQUARE
PROJECT ADDRESS	

drawing title	STAGE 1 CIVIL WORKS
---------------	---------------------

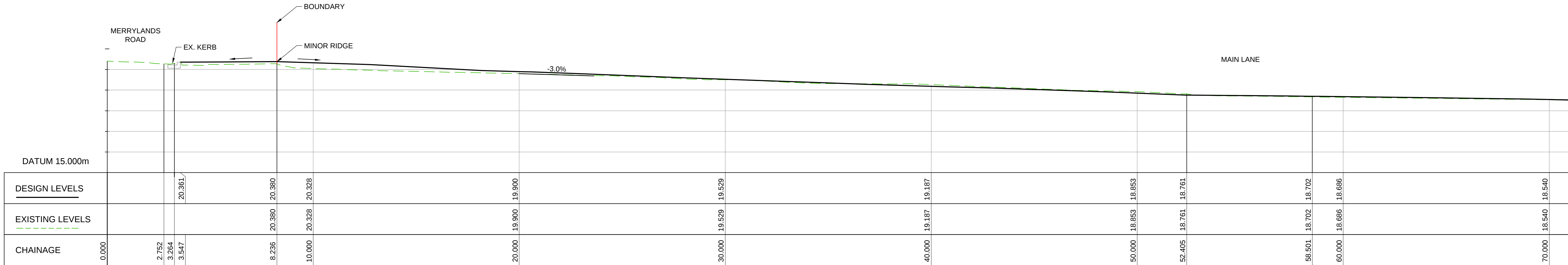
status				
FOR INFORMATION ONLY				
scale at A1	drawn	checked	approved	
1:200	BEJ	JAF	PAL	
project no.	drawing no.			rev.
6593	CV-0201			01



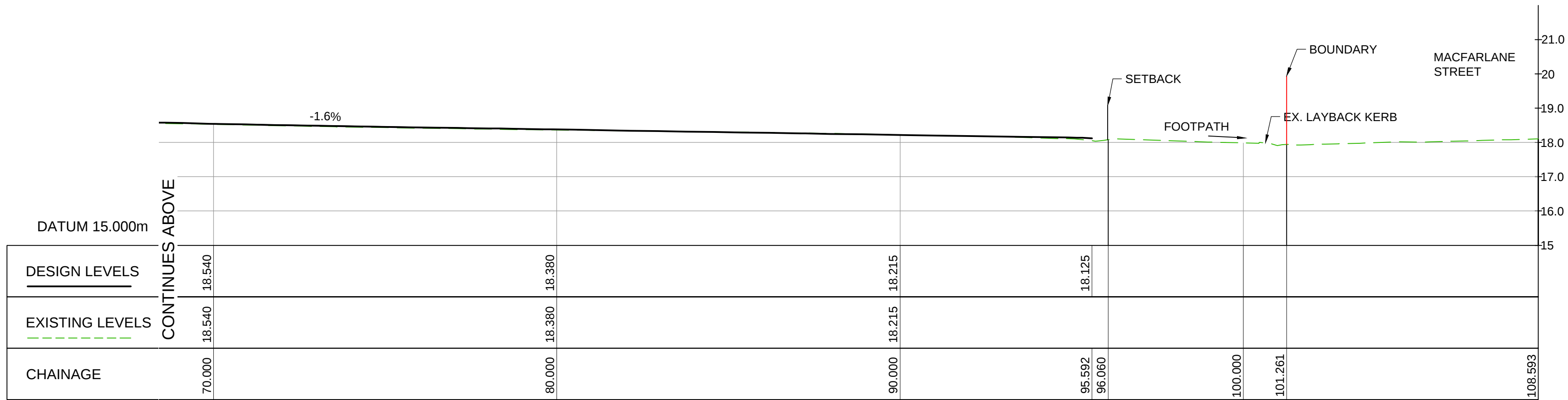
rev	date	description	drm	chk

project no. 6593	drawing no. CV-0202	rev. 01
----------------------------	-------------------------------	-------------------

Date generated 14/02/2022 8:52:08 AM P:\114507065300-ENSTRUCT DOCUMENTS\1 - CAD\CIVIL\DRAWINGS\CV-0401



LONGSECTION1



NOT FOR CONSTRUCTION

01	15/02/22	ISSUE FOR 50% DESIGN	BEJ	JAF	
rev	date	description	dwn	ch'k	

rev	date	description	dwn	ch'k	



enstruct group pty ltd

Level 4, 2 Glen Street
Milsons Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au



project	MERRYLANDS CIVIC SQUARE
PROJECT ADDRESS	

drawing title	LONGSECTIONS SHEET 1
---------------	----------------------

status	FOR INFORMATION ONLY
scale at A1	1:100
drawn	BEJ
checked	JAF
approved	PAL
project no.	6593
drawing no.	CV-0401
rev.	01