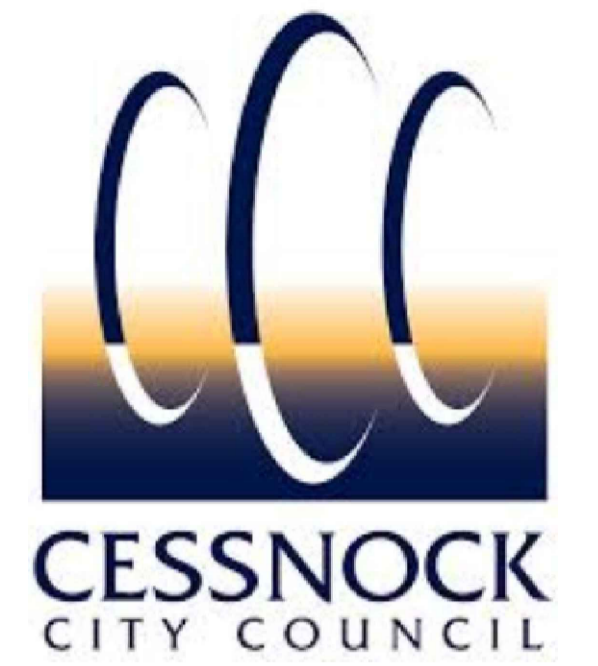




Cardno (NSW/ACT) Pty Ltd | ABN 95 001 145 035  
 Ground Floor, 16 Burelli Street  
 Wollongong NSW 2500  
 Tel: 02 4231 9600 Fax: 02 4228 6811  
 Web: www.cardno.com.au



CESSNOCK CITY COUNCIL

LANG ST UPGRADE - STAGE 1.3  
 ALLWORTH ST TO HAMPDEN ST  
 KURRI KURRI

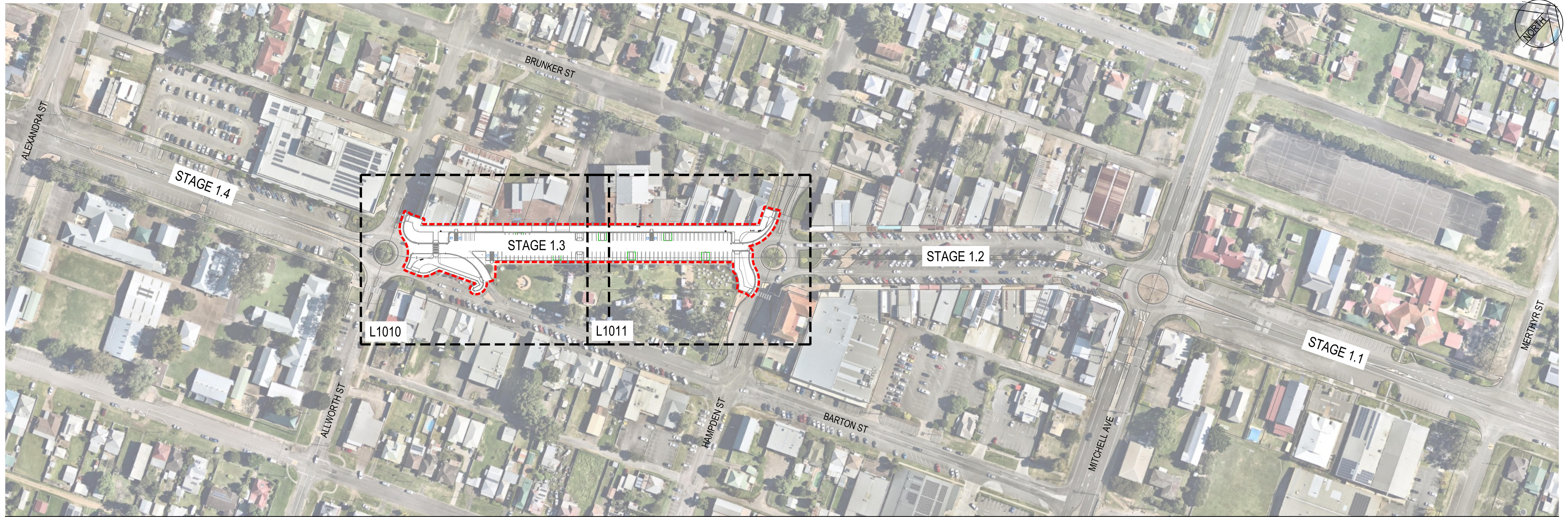
LANDSCAPE COVER SHEET

DATE PLOTTED: 28 June 2021 10:56 AM BY: MELANIE SHEA  
 XREFs: x80521014-Civil & Survey\_X-LANDSCAPE  
 CAD File: \\cardno-cpp\globe\AUS\NSW\Director\Structure\Projects\80521014\_Lang St Upgrade\Kurr Kurri\Drawings\Build\Landscapes\2\_Detailed Design\80521014\_Lang St Landscape (Sec3).dwg

Rev.	Date	Description	Des.	Verif.	Appd.
3	28/06/2021	ISSUED FOR CONSTRUCTION	MES	MA	SB
2	23/06/2021	FINAL DETAILED DESIGN ISSUE	MES	MA	SB
4	21/05/2021	50% PRELIMINARY DESIGN ISSUE FOR COUNCIL REVIEW	MES	MA	SB

© Cardno Limited All Rights Reserved.  
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

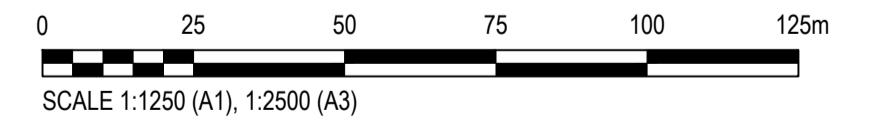
Drawn MES	Date 22/04/2021	Status <b>FOR CONSTRUCTION</b>
Checked MA	Date 18/05/2021	
Designed MES	Date 22/04/2021	
Verified MA	Date 18/05/2021	
Approved SB	Date 18/05/2021	
DATING AHD		Scale NTS
Drawing Number 80521014-L1000		Size A1
		Revision 3



**KEY PLAN**  
SCALE 1:1250

SCHEDULE OF DRAWINGS		
DRAWING No.	DESCRIPTION	REV
80521014-L1000	LANDSCAPE COVER SHEET	3
80521014-L1001	LANDSCAPE KEY PLAN, DRAWING LIST AND PLANTING SCHEDULE	3
80521014-L1010	LANDSCAPE PLAN 1 OF 2	3
80521014-L1011	LANDSCAPE PLAN 2 OF 2	3
80521014-L1020	LANDSCAPE CONSTRUCTION DETAILS	3
80521014-L1030	LANDSCAPE SPECIFICATION NOTES AND MAINTENANCE PROGRAM	3

PLANTING SCHEDULE							
SYMBOL	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH (m)	SPACING (m)	SIZE	QUANTITY
<b>TREES</b>							
*	Lagerstroemia indica	Crepe Myrtle	7	5	As per plan	75L	3
+	Quercus palustris	Pin Oak	15	8	As per plan	75L	6
<b>SUB TOTAL</b>							<b>9</b>
<b>SHRUBS</b>							
BMU	Brachyscome multifida	Cut Leaf Daisy	0.5	1	3/m2	100mm	178
BSE	Buxus semperivens	Common Box	1	1	2/m2	100mm	25
CLL	Callistemon 'Little John'	Bottlebrush	1	1	1/m2	100mm	25
LTA	Lomandra tanika	Spiny Head Mat Rush	0.5	0.5	2/m2	100mm	238
PMM	Pittosporum tobira 'Miss Muffet'	Dwarf Pittosporum	1	1	2/m2	100mm	26
SAE	Scaevola aemula	Spiny Head Mat Rush	0.4	0.8	2/m2	100mm	304
WZE	Westringia fruticosa 'Zena'	Coastal Rosemary	0.5	1.2	1/m2	100mm	7
<b>SUB TOTAL</b>							<b>803</b>
<b>TOTAL PLANTS</b>							<b>812</b>



Rev.	Date	Description	Des.	Verif.	Appd.
3	28/06/2021	ISSUED FOR CONSTRUCTION	MES	MA	SB
2	23/06/2021	FINAL DETAILED DESIGN ISSUE	MES	MA	SB
1	21/05/2021	50% PRELIMINARY DESIGN ISSUE FOR COUNCIL REVIEW	MES	MA	SB



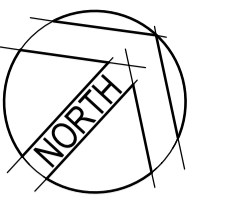
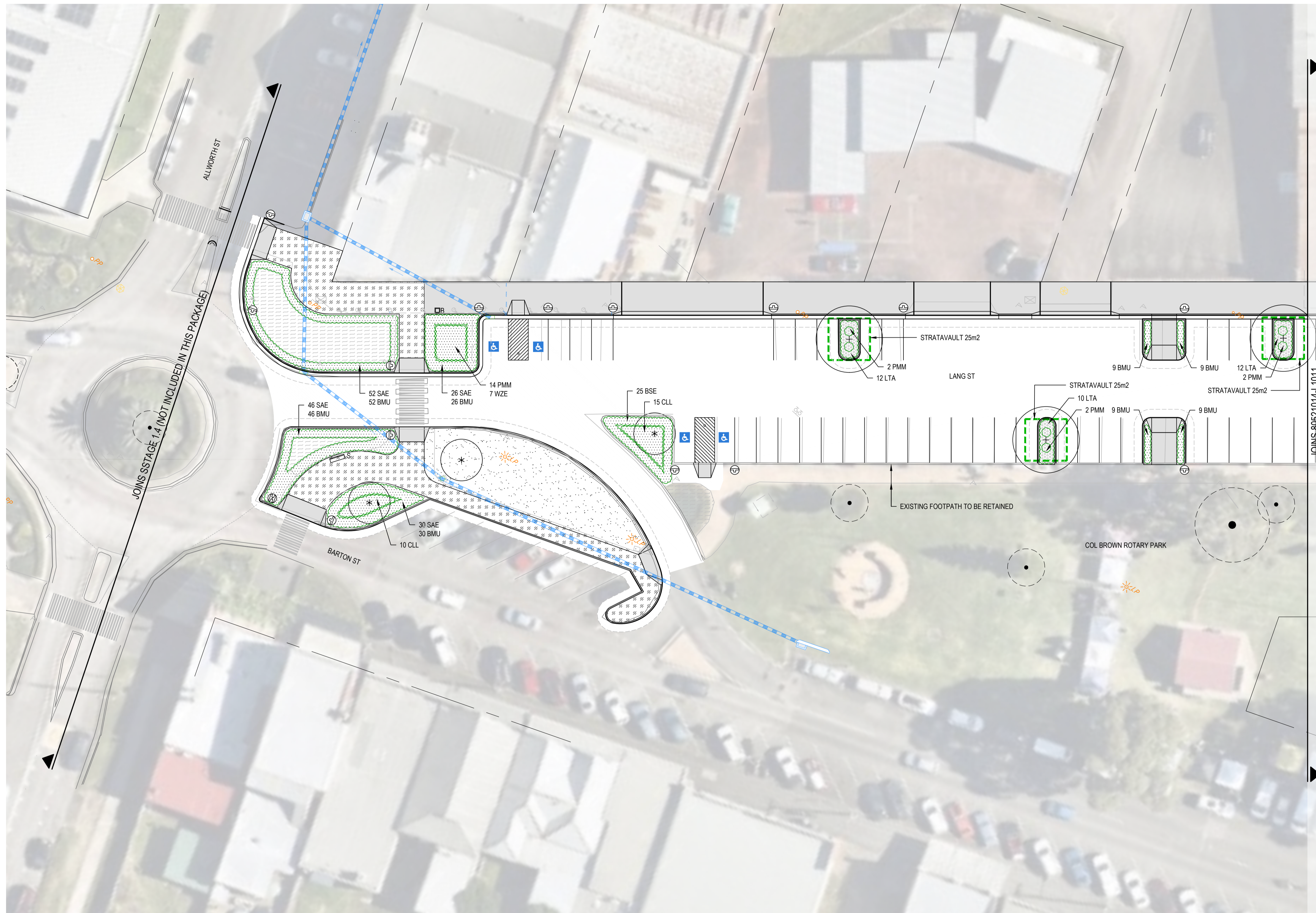
© Cardno Limited All Rights Reserved.  
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

**Cardno**  
Cardno (NSW/ACT) Pty Ltd | ABN 95 001 145 035  
Ground Floor, 16 Burrell Street  
Wollongong NSW 2500  
Tel: 02 4231 9600 Fax: 02 4228 6811  
Web: www.cardno.com.au

Drawn	MES	Date	22/04/2021
Checked	MA	Date	18/05/2021
Designed	MES	Date	22/04/2021
Verified	MA	Date	18/05/2021
Approved	SB	Date	18/05/2021

Client	CESSNOCK CITY COUNCIL
Project	LANG ST UPGRADE - STAGE 1.3 ALLWORTH ST TO HAMPDEN ST KURRI KURRI
Title	LANDSCAPE KEY PLAN, DRAWING LIST AND PLANTING SCHEDULE

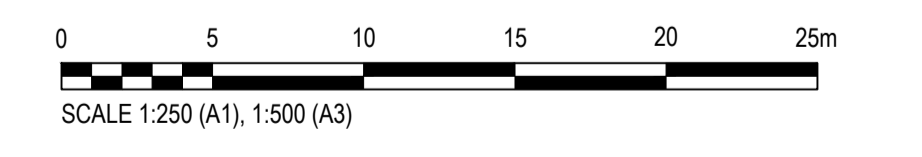
Status	<b>FOR CONSTRUCTION</b>		
DATUM	AHD	Scale	1:1250
Drawing Number	80521014-L1001	Size	A1
Revision			3



**LEGEND**

	EXISTING STORMWATER SERVICES
	EXISTING LIGHT POLE AND POWER POLE
	PROPOSED SIGNAGE TO ENGINEERS DETAILS
	PROPOSED BENCH SEAT AS SPECIFIED
	PROPOSED BIN AS SPECIFIED
	PROPOSED BIKE RAIL AS SPECIFIED
	PROPOSED BLUESTONE PAVING
	PROPOSED CONCRETE TO ENGINEERS DETAILS
	EXISTING TREE TO BE RETAINED
	PROPOSED TREE IN STRATAVAULT
	PROPOSED TREE IN EXISTING TURF OR MASS PLANTING
	EXISTING PLANTING TO BE RETAINED
	PROPOSED MASS PLANTING
	PROPOSED MASS PLANTING IN STRATAVAULT
	EXTENT OF STRATAVAULT SYSTEM
	EXISTING TURF TO BE RETAINED

NOTE: REFER TO ENGINEERS DRAWINGS AND DETAILS FOR ALL KERBS, PARKING PAV AND PRAM RAMPS.



Rev.	Date	Description	Des.	Verif.	Appd.
3	28/06/2021	ISSUED FOR CONSTRUCTION	MES	MA	SB
2	23/06/2021	FINAL DETAILED DESIGN ISSUE	MES	MA	SB
1	21/05/2021	50% PRELIMINARY DESIGN ISSUE FOR COUNCIL REVIEW	MES	MA	SB



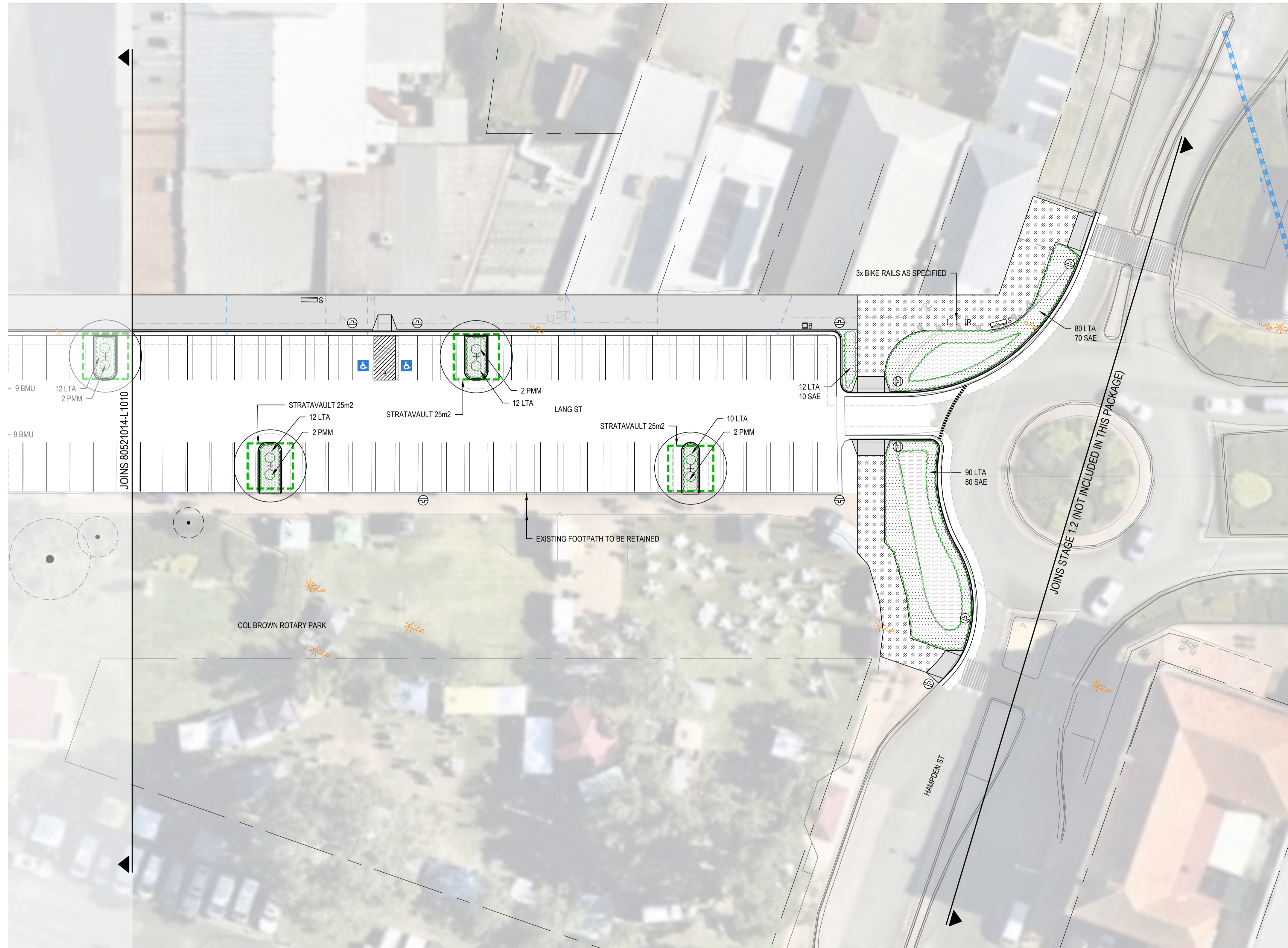
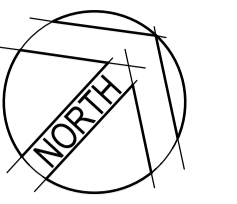
© Cardno Limited All Rights Reserved.  
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

**Cardno**  
 Cardno (NSW/ACT) Pty Ltd | ABN 95 001 145 035  
 Ground Floor, 16 Burrelli Street  
 Wollongong NSW 2500  
 Tel: 02 4231 9600 Fax: 02 4228 6811  
 Web: www.cardno.com.au

Drawn	MES	Date	22/04/2021
Checked	MA	Date	18/05/2021
Designed	MES	Date	22/04/2021
Verified	MA	Date	18/05/2021
Approved	SB	Date	18/05/2021

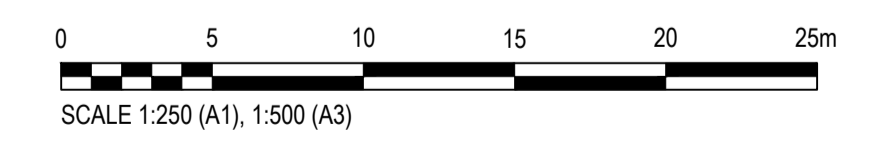
Client	CESSNOCK CITY COUNCIL
Project	LANG ST UPGRADE - STAGE 1.3 ALL WORTH ST TO HAMPDEN ST KURRI KURRI
Title	LANDSCAPE PLAN 1 OF 2

Status			
<b>FOR CONSTRUCTION</b>			
DATUM	AHD	Scale	1:250
Drawing Number	80521014-L1010		Size
Revision	3		A1



- LEGEND**
- EXISTING STORMWATER SERVICES
  - EXISTING LIGHT POLE AND POWER POLE
  - PROPOSED SIGNAGE TO ENGINEERS DETAILS
  - PROPOSED BENCH SEAT AS SPECIFIED
  - PROPOSED BIN AS SPECIFIED
  - PROPOSED BIKE RAIL AS SPECIFIED
  - PROPOSED BLUESTONE PAVING 3  
L1020
  - PROPOSED CONCRETE TO ENGINEERS DETAILS
  - EXISTING TREE TO BE RETAINED
  - PROPOSED TREE IN STRATAVAULT 1  
L1020
  - PROPOSED TREE IN EXISTING TURF OR MASS PLANTING 4  
L1020
  - EXISTING PLANTING TO BE RETAINED
  - PROPOSED MASS PLANTING 2  
L1020
  - PROPOSED MASS PLANTING IN STRATAVAULT 1  
L1020
  - EXTENT OF STRATAVAULT SYSTEM 1  
L1020
  - EXISTING TURF TO BE RETAINED

NOTE: REFER TO ENGINEERS DRAWINGS AND DETAILS FOR ALL KERBS, PARKING PAY AND PRAM RAMPS.



XREFs: x80521014-Civil & Survey; X-LANDSCAPE; CAD File: \\cardno\proj\80521014-Lang St Upgrade\Kum\Drawings\Bulid\Landscapes\2\_Detailed Design\80521014\_Lang St Landscape (Sec3).dwg

Rev.	Date	Description	Des.	Verif.	Appd.
3	28/06/2021	ISSUED FOR CONSTRUCTION	MES	MA	SB
2	23/06/2021	FINAL DETAILED DESIGN ISSUE	MES	MA	SB
1	21/05/2021	50% PRELIMINARY DESIGN ISSUE FOR COUNCIL REVIEW	MES	MA	SB



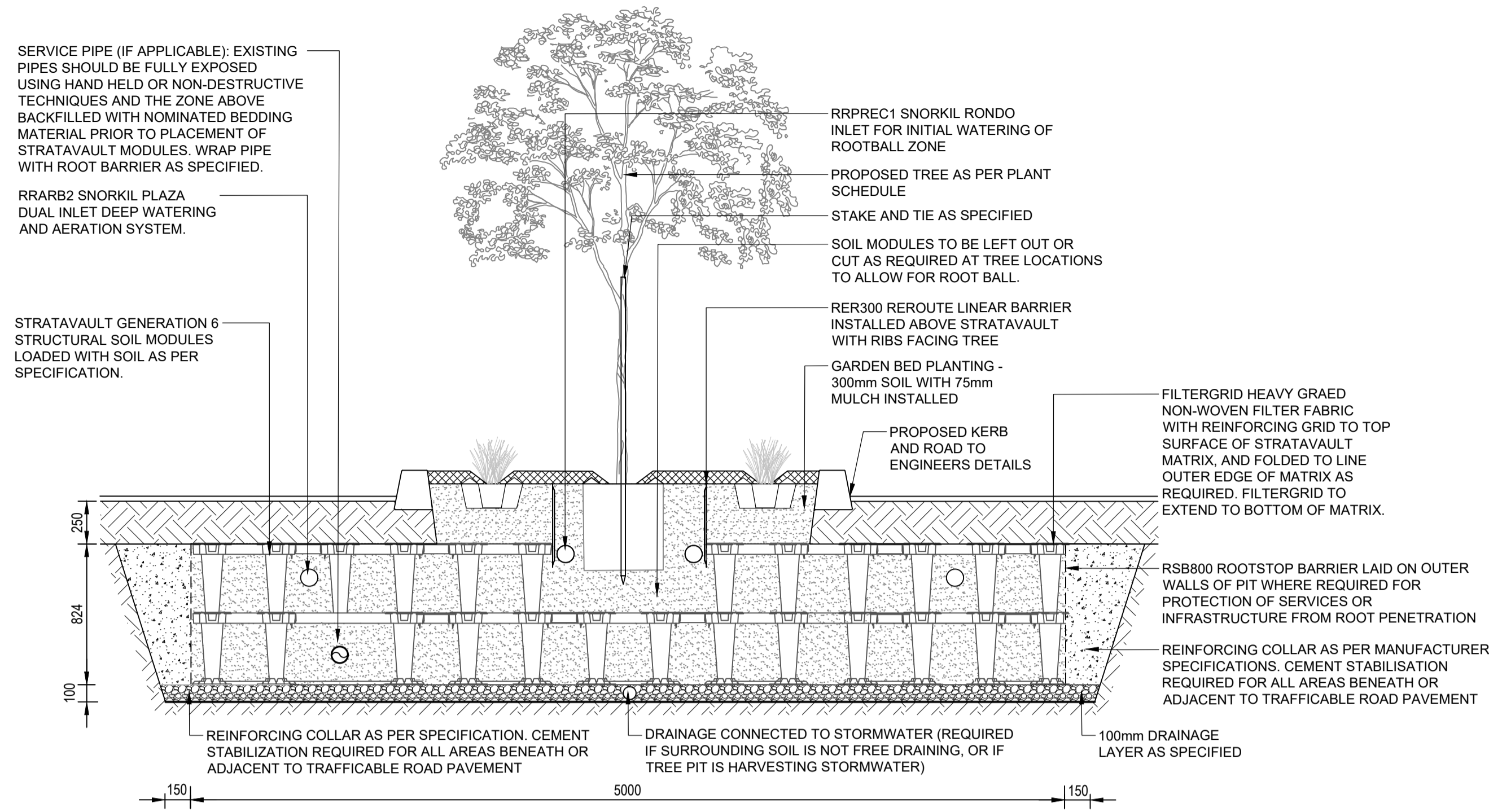
© Cardno Limited All Rights Reserved.  
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

**Cardno**  
Cardno (NSWACT) Pty Ltd | ABN 95 001 145 035  
Ground Floor, 16 Burrell Street  
Wollongong NSW 2500  
Tel: 02 4231 9600 Fax: 02 4228 6811  
Web: www.cardno.com.au

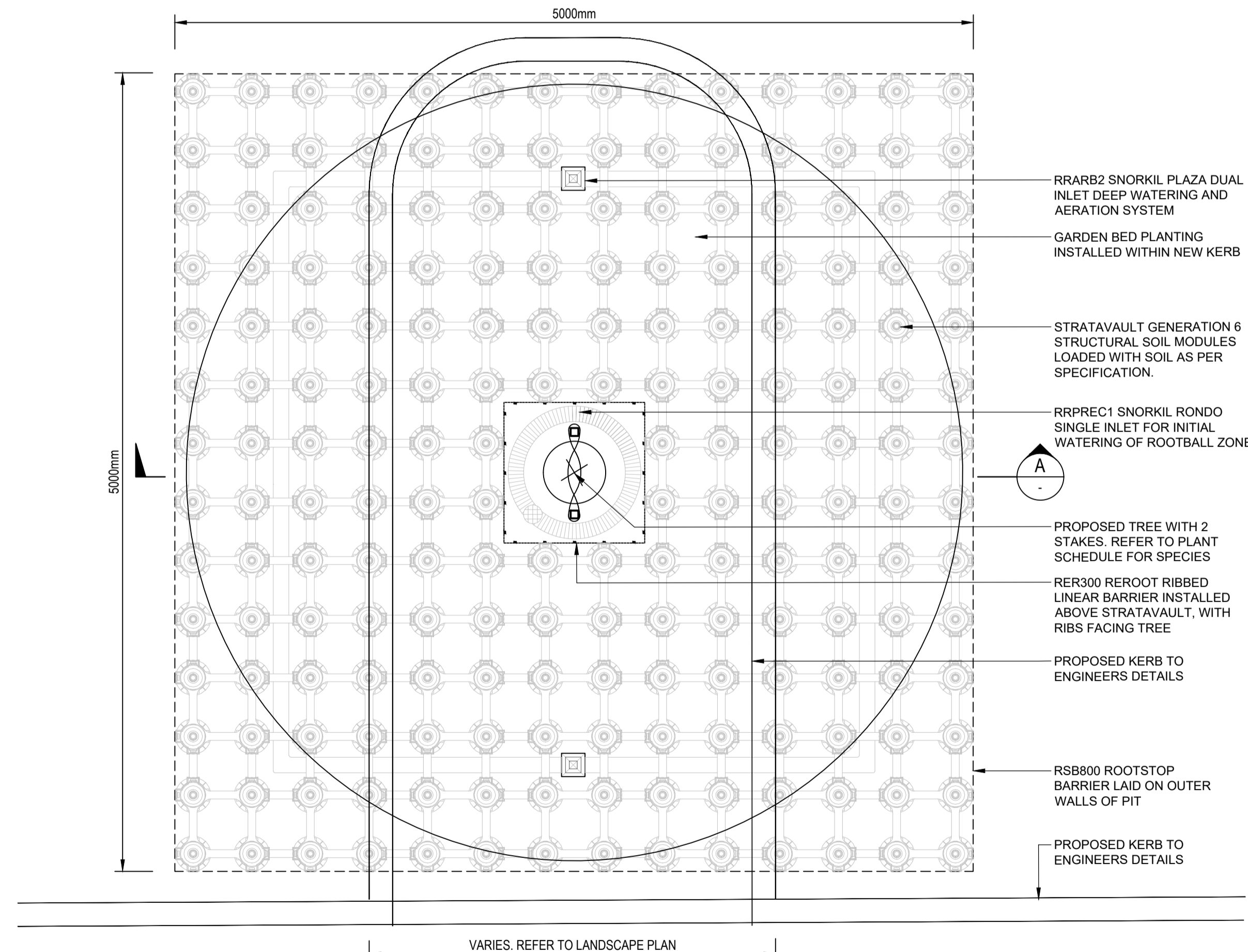
Drawn	MES	Date	22/04/2021
Checked	MA	Date	18/05/2021
Designed	MES	Date	22/04/2021
Verified	MA	Date	18/05/2021
Approved	SB	Date	18/05/2021

Client	CESSNOCK CITY COUNCIL
Project	LANG ST UPGRADE - STAGE 1.3 ALL WORTH ST TO HAMPDEN ST KURRI KURRI
Title	LANDSCAPE PLAN 2 OF 2

Status				
<b>FOR CONSTRUCTION</b>				
DATUM	AHD	Scale	1:250	
Drawing Number	80521014-L1011		Size	A1
Revision	3			



SECTION A  
SCALE 1:25



PLAN  
SCALE 1:25

1 PROPOSED TREE IN STRATAVAULT DETAIL  
SCALE 1:25

**CONSTRUCTION NOTES:**  
**INSTALLATION/EXCAVATION TIPS:**  
 1. ADD 150MM TO OUTER PLAN DIMENSIONS WHEN EXCAVATING PIT OR SUFFICIENT TO ALLOW A NARROW FOOT COMPACTOR, WHICHEVER GREATER.  
 2. ALWAYS CHECK PIT DIMENSIONS AT BASE OF PIT, ENSURING SIDES ARE CLEAN AND SQUARE.  
 3. LEVEL AND SCREED DRAINAGE LAYER PRIOR TO PLACEMENT OF CELLS

ENSURE THAT THE PIT BASE IS SCREEDED AND COMPACTED ADEQUATELY BEFORE PLACING CELLS ON BASE, TO ALLOW FOR EASE OF INSTALLATION OF OVERALL MATRIX.

ADEQUATE DRAINAGE FROM BASE OF TREEPIT TO BE PROVIDED IF SITE CONDITIONS REQUIRE.

INDICATIVE m<sup>2</sup> OF EACH PIT ON PLANS ONLY. CONTRACTOR IS TO CONFIRM EACH PIT SIZE ONCE ON SITE. LANDSCAPE ARCHITECT OR COUNCIL TO CONFIRM BEFORE CONSTRUCTION.

TREE EXCAVATION TO BE APPROVED BY PROJECT LANDSCAPE ARCHITECT PRIOR TO STRATAVAULT INSTALLATION AND TREE PLANTING

FOR COMPLETE STRATAVAULT SPECIFICATION VISIT  
[www.citygreen.com/platinum-section/technical-support/specifications/](http://www.citygreen.com/platinum-section/technical-support/specifications/)

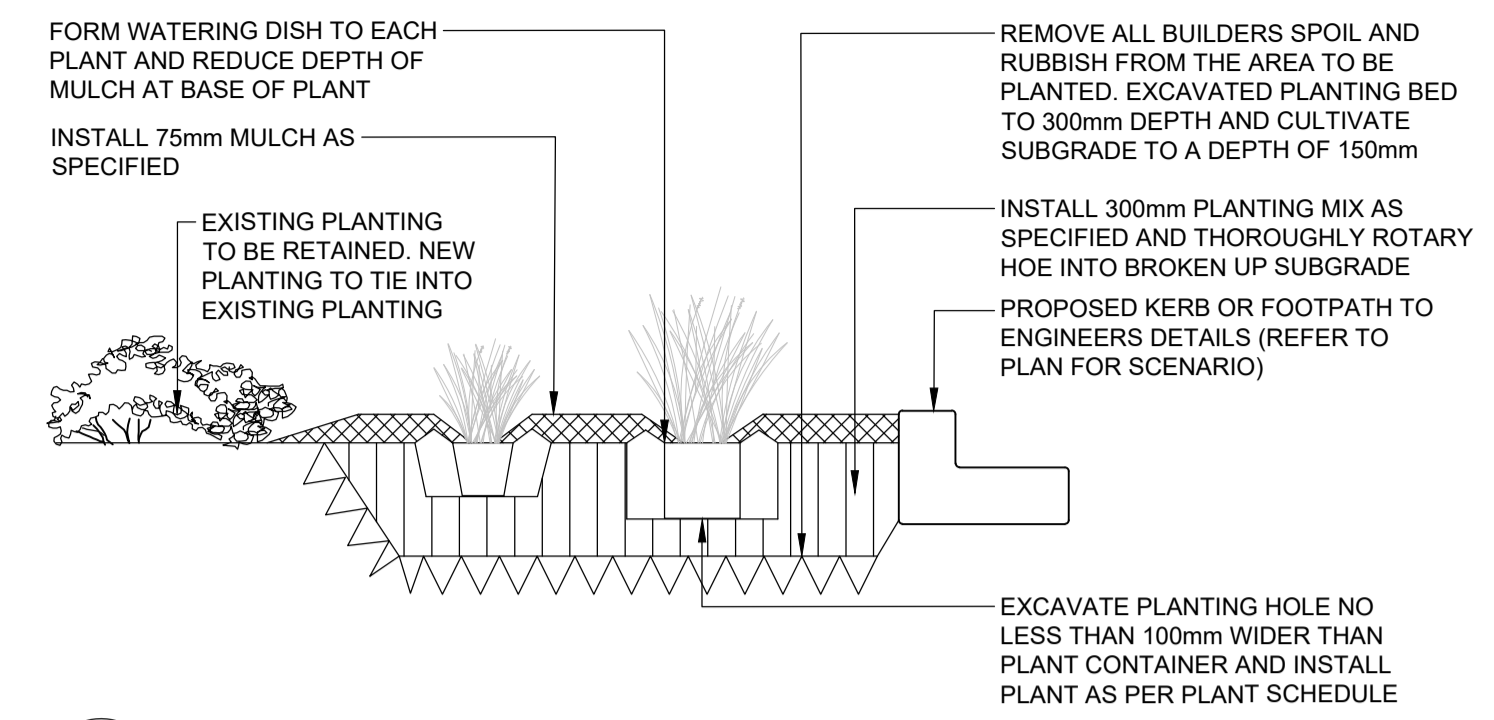
**ACCREDITATION:**  
 ALL CITYGREEN TREE PITS MUST BE INSTALLED BY A FULLY ACCREDITED INSTALLER. TO ENABLE COMPLIANCE AND CONSTRUCTION CERTIFICATION. TO REGISTER FOR ACCREDITATION, GO TO [www.citygreen.com/training](http://www.citygreen.com/training) COMPLETE AND OBTAIN CERTIFICATE ACCREDITATION TO BE COMPLETE IN FULL PRIOR COMMENCEMENT ON WORKS ONSITE. REFER STRATAVAULT SPECIFICATION FOR FULL DETAILS.

**COMPLIANCE & WARRANTIES:**  
 SMARTCERTIFY IS THE APPROVED ITP AND WITNESS-POINT PLATFORM MANDATORY FOR ALL CITYGREEN TREE PITS. WITNESSPOINT PHOTOS TO BE UPLOADED VIA TABLET OR SMARTPHONE, CAPTURING GIS COORDINATES. REFER SPECIFICATION FOR FULL DETAILS, OR VISIT [www.citygreen.com/compliance](http://www.citygreen.com/compliance).

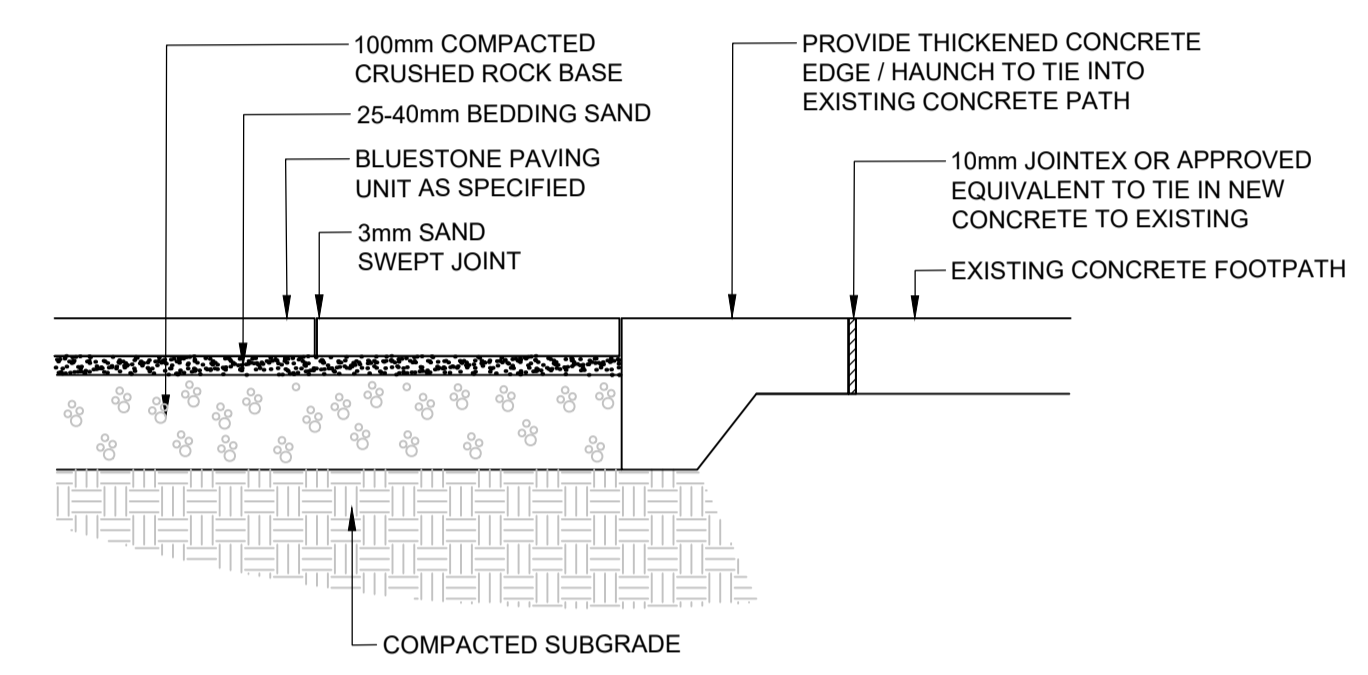
**NOTES:**  
 EXISTING UNDERGROUND SERVICES ARE TO BE LOCATED PRIOR TO DEMOLITION AND CONSTRUCTION. ALL EXISTING SERVICES ARE TO REMAIN UNDISTURBED AND UNDAMAGED. A STRATAVAULT UNIT IS TO BE LEFT OUT TO ALLOW FOR EXISTING SERVICES TO REMAIN.

PROPOSED SERVICES ARE TO BE CONSIDERED WHEN INSTALLING STRATAVAULT UNITS. STRATAVAULT UNITS ARE TO BE LEFT OUT TO ALLOW FOR PROPOSED SERVICES TO BE INSTALLED.

QUERCUS PALUSTRIS IS THE PROPOSED TREE SPECIES. THIS IS A MEDIUM SIZED TREE AND REQUIRES A SOIL VOLUME OF 16-23m<sup>3</sup> PER TREE. THE STRATAVAULT SYSTEM DETAILED PROVIDES A SOIL VOLUME OF 20.6m<sup>3</sup> PER TREE.

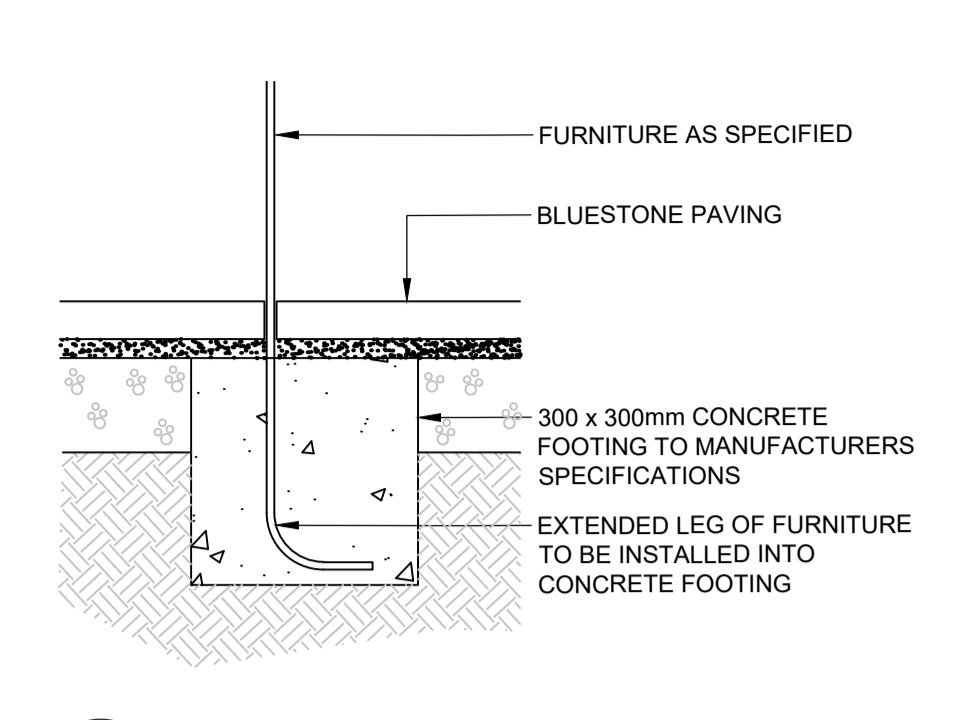


2 MASS PLANTING DETAIL  
SECTION 1:20

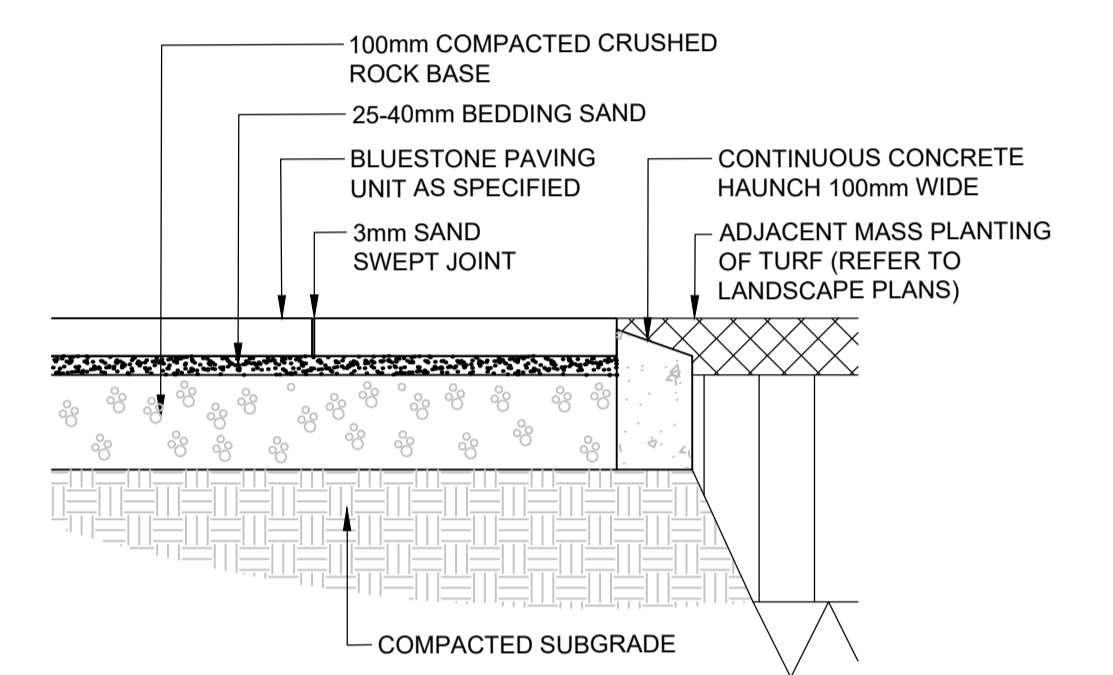


PAVEMENT ADJACENT CONCRETE FOOTPATH

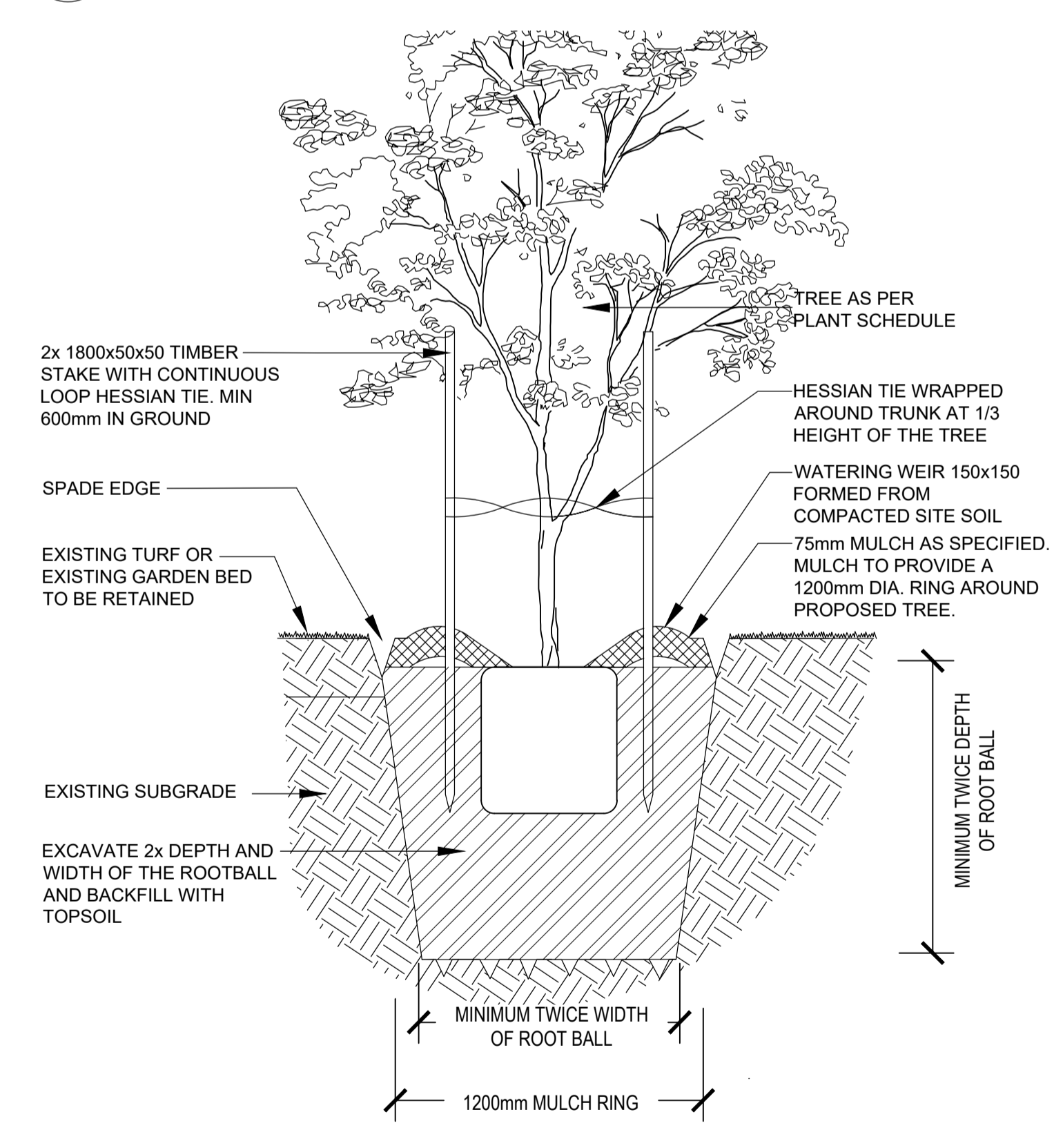
3 BLUESTONE PAVING DETAIL  
SECTION 1:10



5 FURNITURE FIXING DETAIL  
SECTION 1:10



PAVEMENT ADJACENT PLANTING / TURF



4 PROPOSED TREE IN EXISTING TURF OR GARDEN DETAIL  
SECTION 1:20

Rev.	Date	Description	Des.	Verif.	Appd.
3	28/06/2021	ISSUED FOR CONSTRUCTION	MES	MA	SB
2	23/06/2021	FINAL DETAILED DESIGN ISSUE	MES	MA	SB
1	21/05/2021	50% PRELIMINARY DESIGN ISSUE FOR COUNCIL REVIEW	MES	MA	SB



© Cardno Limited All Rights Reserved.  
 This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



Drawn	Date
MES	22/04/2021
Checked	Date
MA	18/05/2021
Designed	Date
MES	22/04/2021
Verified	Date
MA	18/05/2021
Approved	Date
SB	18/05/2021

Client	Project	Title
CESSNOCK CITY COUNCIL	LANG ST UPGRADE - STAGE 1.3	LANDSCAPE CONSTRUCTION DETAILS

Status	DATUM	Scale	Size
FOR CONSTRUCTION	AHD	AS SHOWN	A1
Drawing Number	Revision		
80521014-L1020	3		

