


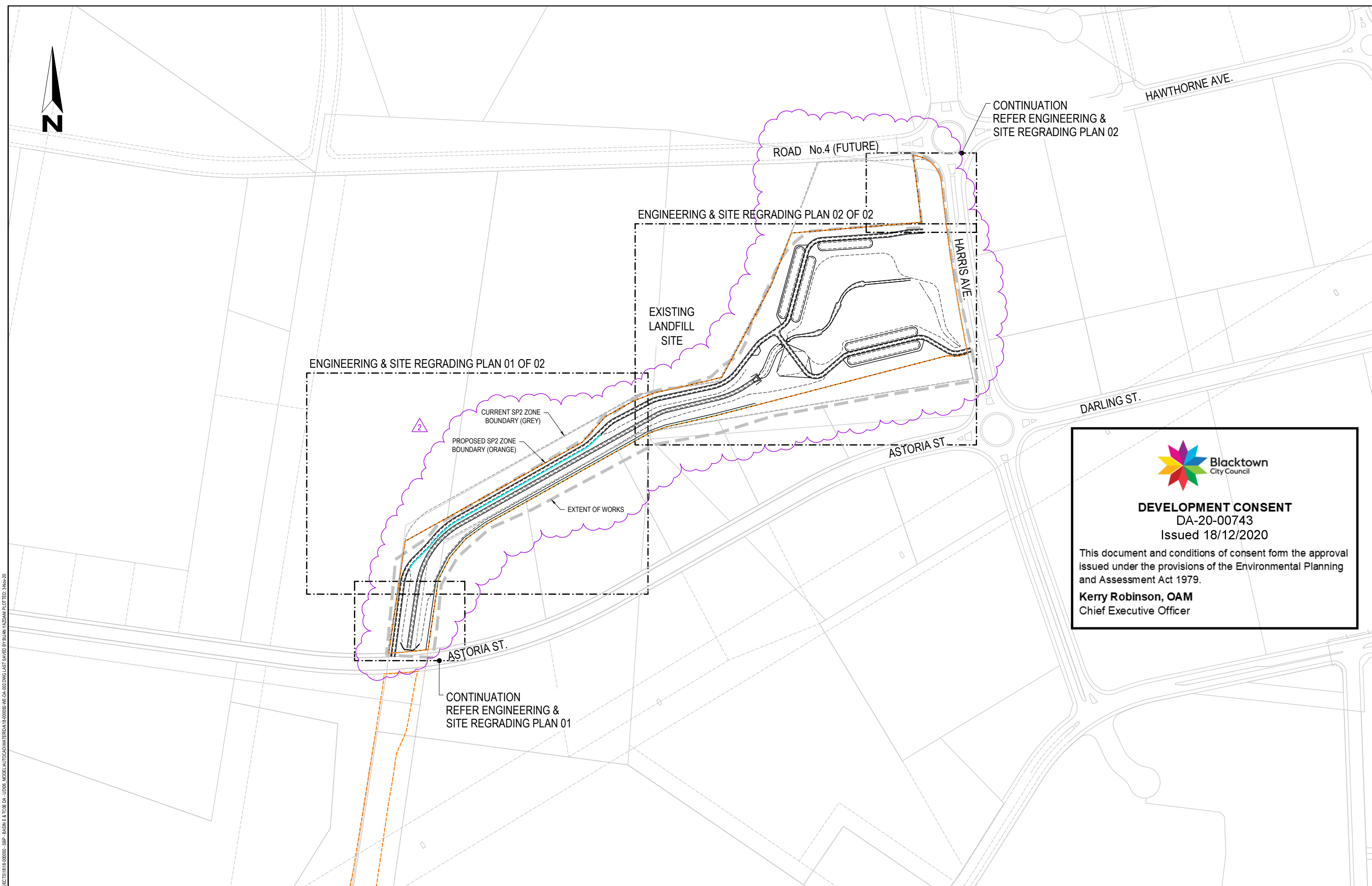




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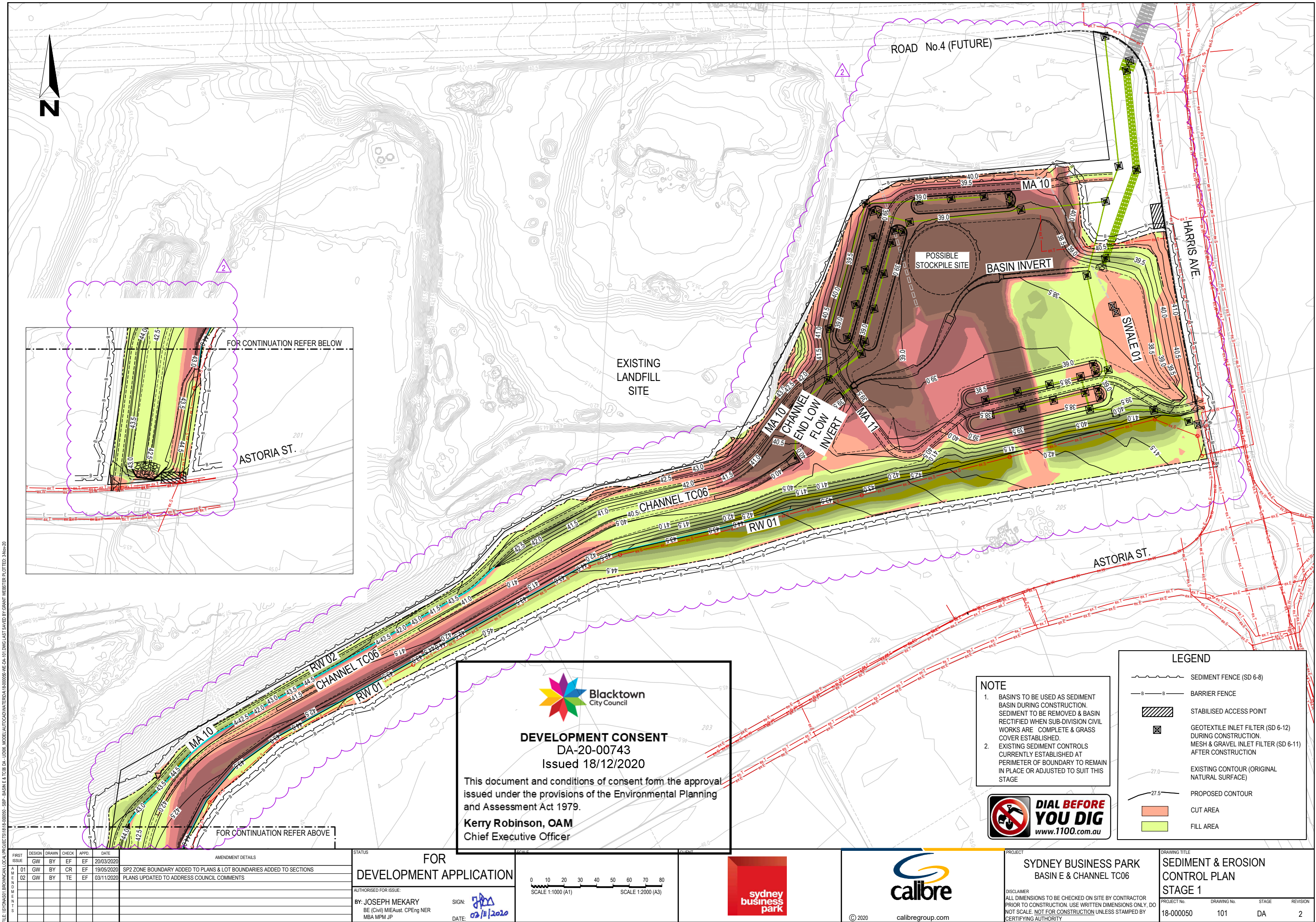
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FIRST ISSUE	DESIGN	DRAWN	CHECK	APPRO.	DATE	FOR		0 10 20 30 40 50 60 70 80		sydney business park		SYDNEY BUSINESS PARK		GENERAL ARRANGEMENT PLAN	
AMENDMENTS	01	GW	BY	CR	EF	20/03/2020	DEVELOPMENT APPLICATION		SCALE 1:1000 (A1)				BASIN E & CHANNEL TC06	STAGE 1	
	02	GW	BY	TE	EF	03/11/2020	PLANS UPDATED TO ADDRESS COUNCIL COMMENTS		SCALE 1:2000 (A3)						
	AUTHORISED FOR ISSUE:		SIGN: 												
	BY: JOSEPH MEKARY		BE (Civil) MIEAust. CPEng NER		DATE: 02/11/2020										
	MBA MPM JP														






FIRST ISSUE	DESIGN	DRAWN	CHECK	APPR.	DATE	AMENDMENT DETAILS	STATUS	FOR DEVELOPMENT APPLICATION	SCALE	CLIENT			PROJECT	DRAWING TITLE	
	01	GW	BY	EF	EF										20/03/2020
	02	GW	BY	CR	EF										19/05/2020
	03	GW	BY	TE	EF										03/11/2020







**Blacktown  
City Council**

**DEVELOPMENT CONSENT**  
DA-20-00743  
Issued 18/12/2020










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**Kerry Robinson, OAM**  
Chief Executive Officer

**NOTE**

- BASIN'S TO BE USED AS SEDIMENT BASIN DURING CONSTRUCTION. SEDIMENT TO BE REMOVED & BASIN RECTIFIED WHEN SUB-DIVISION CIVIL WORKS ARE COMPLETE & GRASS COVER ESTABLISHED.
- EXISTING SEDIMENT CONTROLS CURRENTLY ESTABLISHED AT PERIMETER OF BOUNDARY TO REMAIN IN PLACE OR ADJUSTED TO SUIT THIS STAGE




LEGEND	
	SEDIMENT FENCE (SD 6-8)
	BARRIER FENCE
	STABILISED ACCESS POINT
	GEOTEXTILE INLET FILTER (SD 6-12) DURING CONSTRUCTION.
	MESH & GRAVEL INLET FILTER (SD 6-11) AFTER CONSTRUCTION
	EXISTING CONTOUR (ORIGINAL NATURAL SURFACE)
	PROPOSED CONTOUR
	CUT AREA
	FILL AREA


AMENDMENT DETAILS	
FIRST ISSUE	DATE
01	20/03/2020
02	19/05/2020
03	03/11/2020

FOR DEVELOPMENT APPLICATION	
AUTHORISED FOR ISSUE:	SIGN:
BY: JOSEPH MEKARY	DATE: 02/11/2020
BE (Civil) MIEAust. CPEng NER	
MBA NPM JP	

FOR DEVELOPMENT APPLICATION	
AUTHORISED FOR ISSUE:	SIGN:
BY: JOSEPH MEKARY	DATE: 02/11/2020
BE (Civil) MIEAust. CPEng NER	
MBA NPM JP	



**sydney  
business  
park**



**calibre**

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SYDNEY BUSINESS PARK BASIN E & CHANNEL TC06	
DISCLAIMER	STAGE
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY	REVISION
PROJECT No. 18-000050	DRAWING No. 101
STAGE DA	REVISION 2





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**Kerry Robinson, OAM**  
Chief Executive Officer

**NOTE:**

EXISTING CONTOURS SHOWN IS A COMBINATION OF WORK AS EXECUTED SURVEY, BULK EARTHWORKS SURVEY AND NATURAL SURFACE SURVEY. EXISTING CONTOURS TO BE CONFIRMED PRIOR TO CONSTRUCTION.

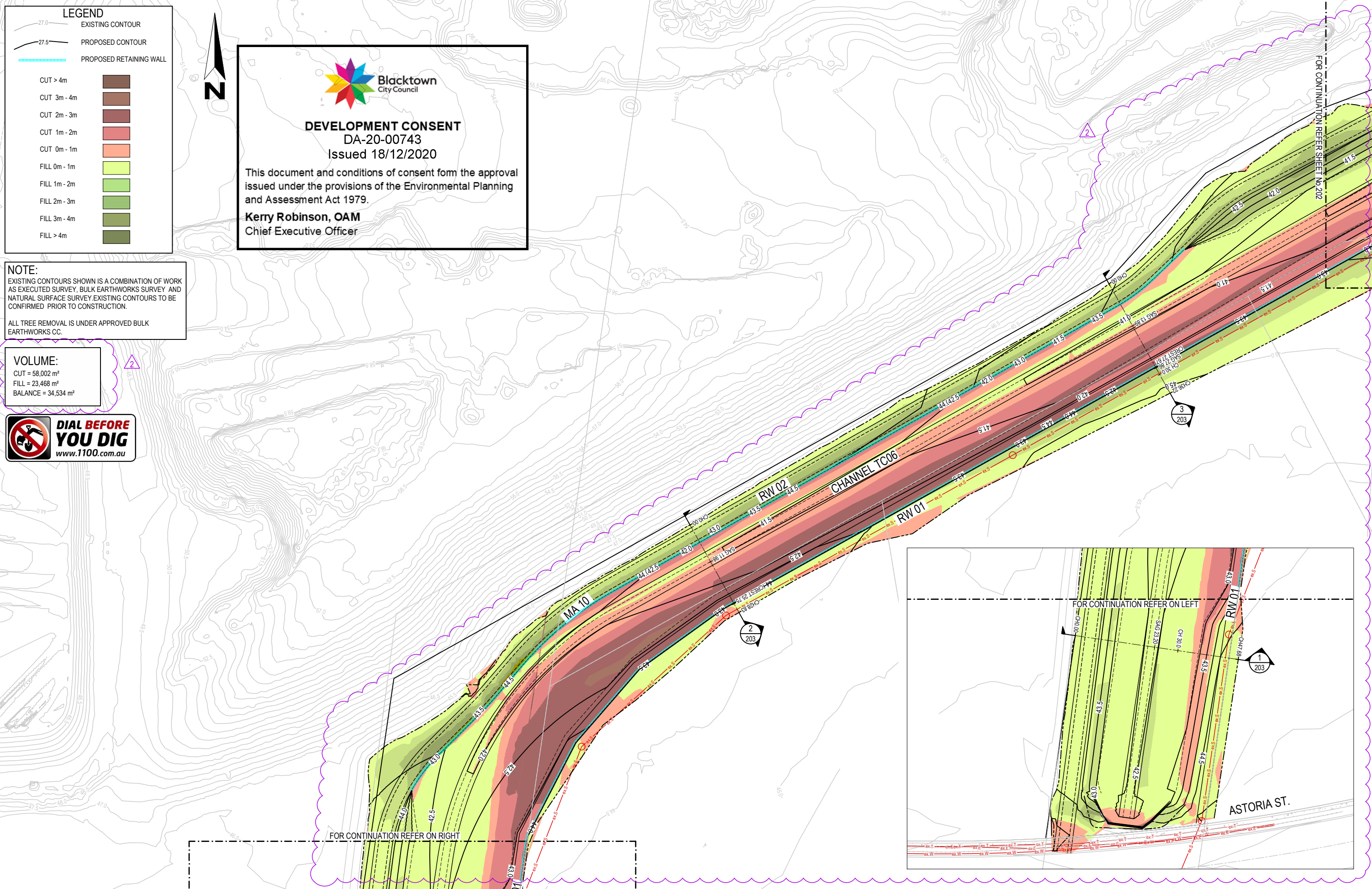
ALL TREE REMOVAL IS UNDER APPROVED BULK  
EARTHWORKS CC.

VOLUME:


CUT = 58,002 m<sup>2</sup>  
FILL = 23,468 m<sup>2</sup>  
BALANCE = 34,534 m<sup>2</sup>

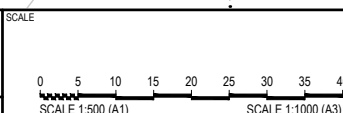


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YOU DIG**  
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FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS	
AMENDMENTS	01	GW	BY	EF	EF	20/03/2020	SP2 ZONE BOUNDARY ADDED TO PLANS & LOT BOUNDARIES ADDED TO SECTIONS
	02	GW	BY	CR	EF	19/05/2020	
		GW	BY	TE	EF	03/11/2020	PLANS UPDATED TO ADDRESS COUNCIL COMMENTS

STATUS	FOR
DEVELOPMENT APPLICATION	
AUTHORISED FOR ISSUE:	
BY: JOSEPH MEKARY BE (Civil) MEAust. CPEng NER MBA MPM JP	SIGN:  DATE: 02/8/2020



	CLIENT
--	--------



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PROJECT

SYDNEY BUSINESS PARK  
BASIN E & CHANNEL TC06

DISCLAIMER

ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR  
PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO  
NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY  
CERTIFYING AUTHORITY

	DRAWING TITLE
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SITE REGRADING PLAN  
SHEET 01 OF 02  
STAGE 1

PROJECT No.	18-000050
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DRAWING No.

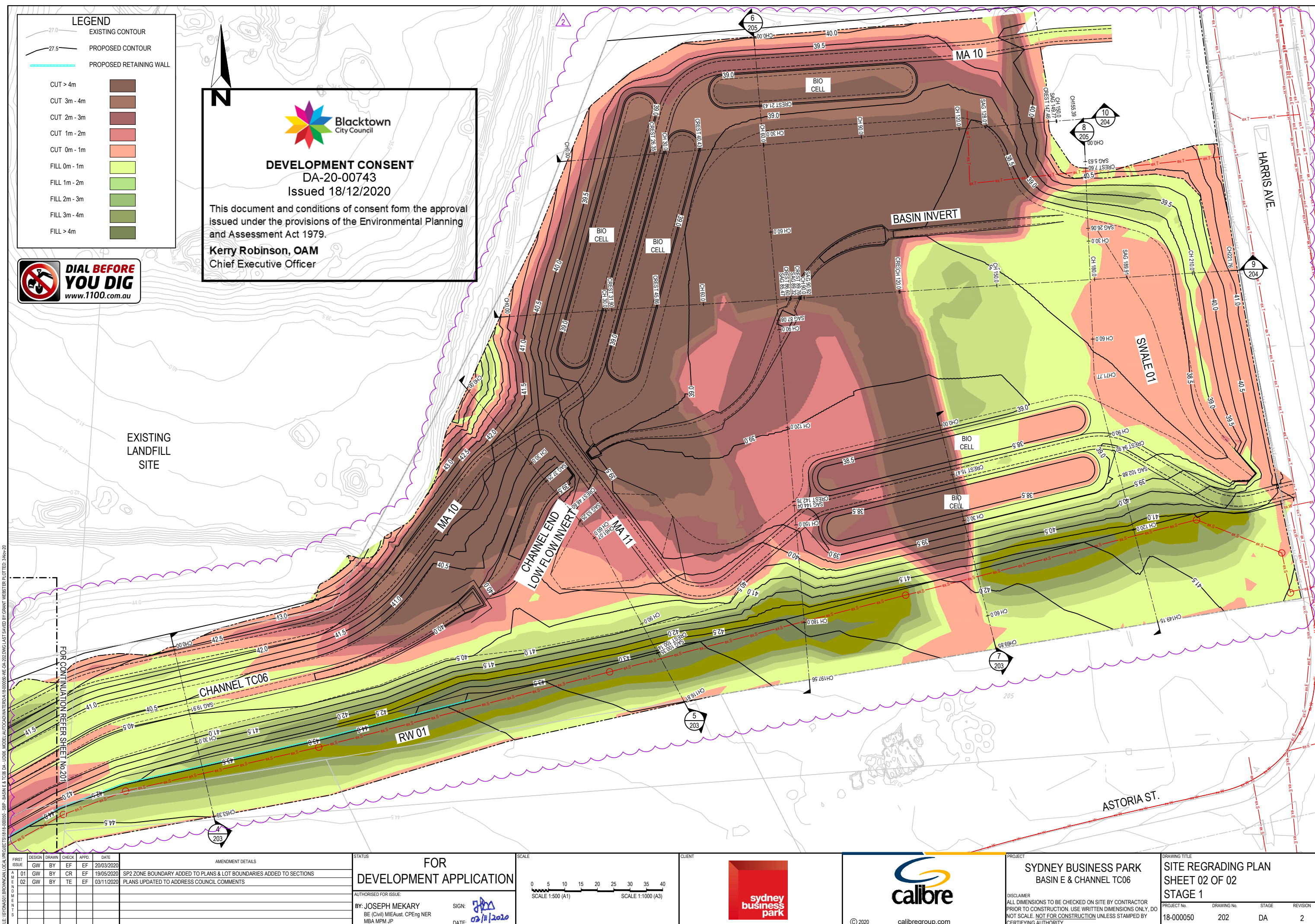
STAGE

REVISION

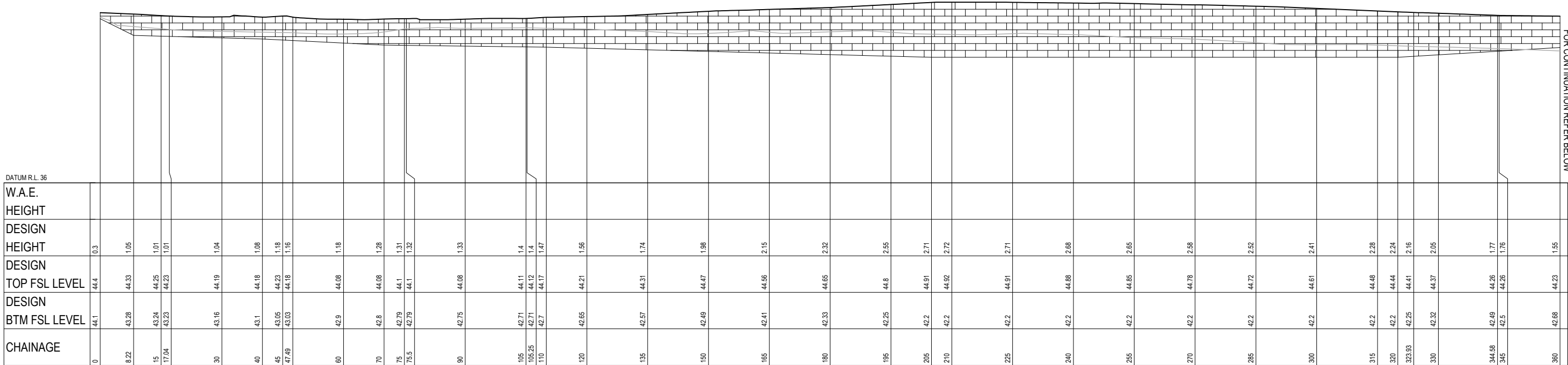
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2



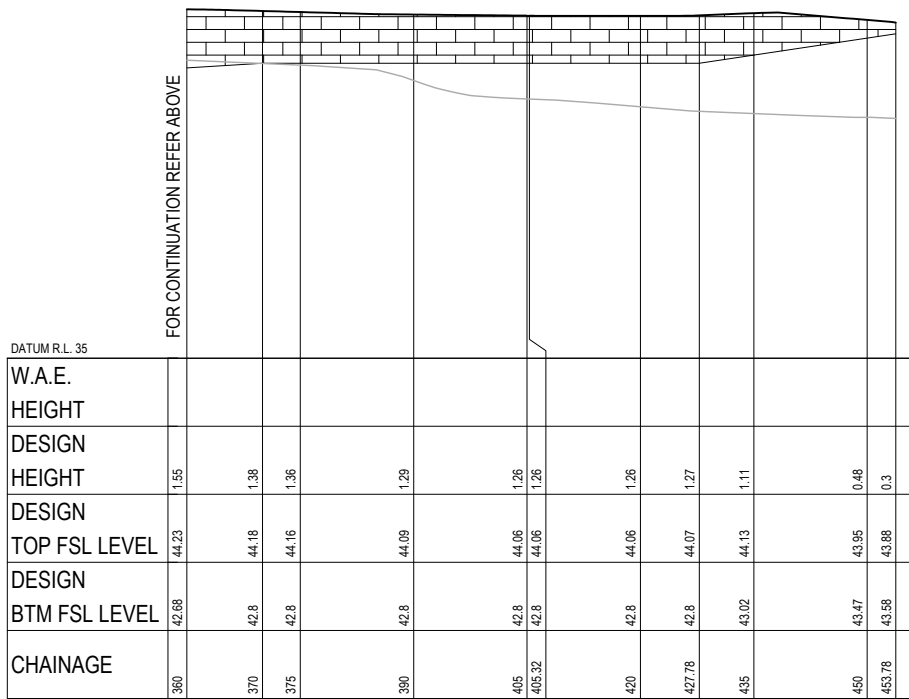






LONGITUDINAL SECTION CENTRELINE - RW01

SCALE 1:500 (H)  
SCALE 1:100 (V)



LONGITUDINAL SECTION CENTRELINE - RW01

SCALE 1:500 (H)  
SCALE 1:100 (V)

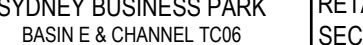

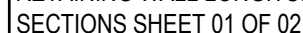



**DEVELOPMENT CONSENT**  
DA-20-00743  
Issued 18/12/2020

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**Kerry Robinson, OAM**  
Chief Executive Officer

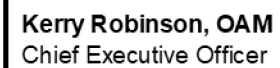
FILE: I:\STANDARD\BROWNS\LOCAL PROJECTS\18-000050 - SSP - BASIN E & TC06 DA - UDS - MODEL\TDCAD\WATER\DA 18-000050-WE-DA-804.DWG LAST SAVED BY: BUAN YUZHAN PLOTTED: 3-Nov-20




FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS	STATUS	SCALE	CLIENT	PROJECT	DRAWING TITLE	
	GW	BY	EF	EF	20/03/2020							
AMENDMENTS	01	GW	BY	CR	EF	19/05/2020	SP2 ZONE BOUNDARY ADDED TO PLANS & LOT BOUNDARIES ADDED TO SECTIONS				SYDNEY BUSINESS PARK BASIN E & CHANNEL TC06  DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY	
	02	GW	BY	TE	EF	03/11/2020	PLANS UPDATED TO ADDRESS COUNCIL COMMENTS					
							AUTHORISED FOR ISSUE:  BY: JOSEPH MEKARY BE (Civil) MIEAust. CPEng NER MBA MPM JP	SIGN:   DATE: 02/11/2020				RETAINING WALL LONGITUDINAL SECTIONS SHEET 01 OF 02 STAGE 1
											PROJECT No. 18-000050	
											DRAWING No. 804	
											STAGE DA	
											REVISION 2	



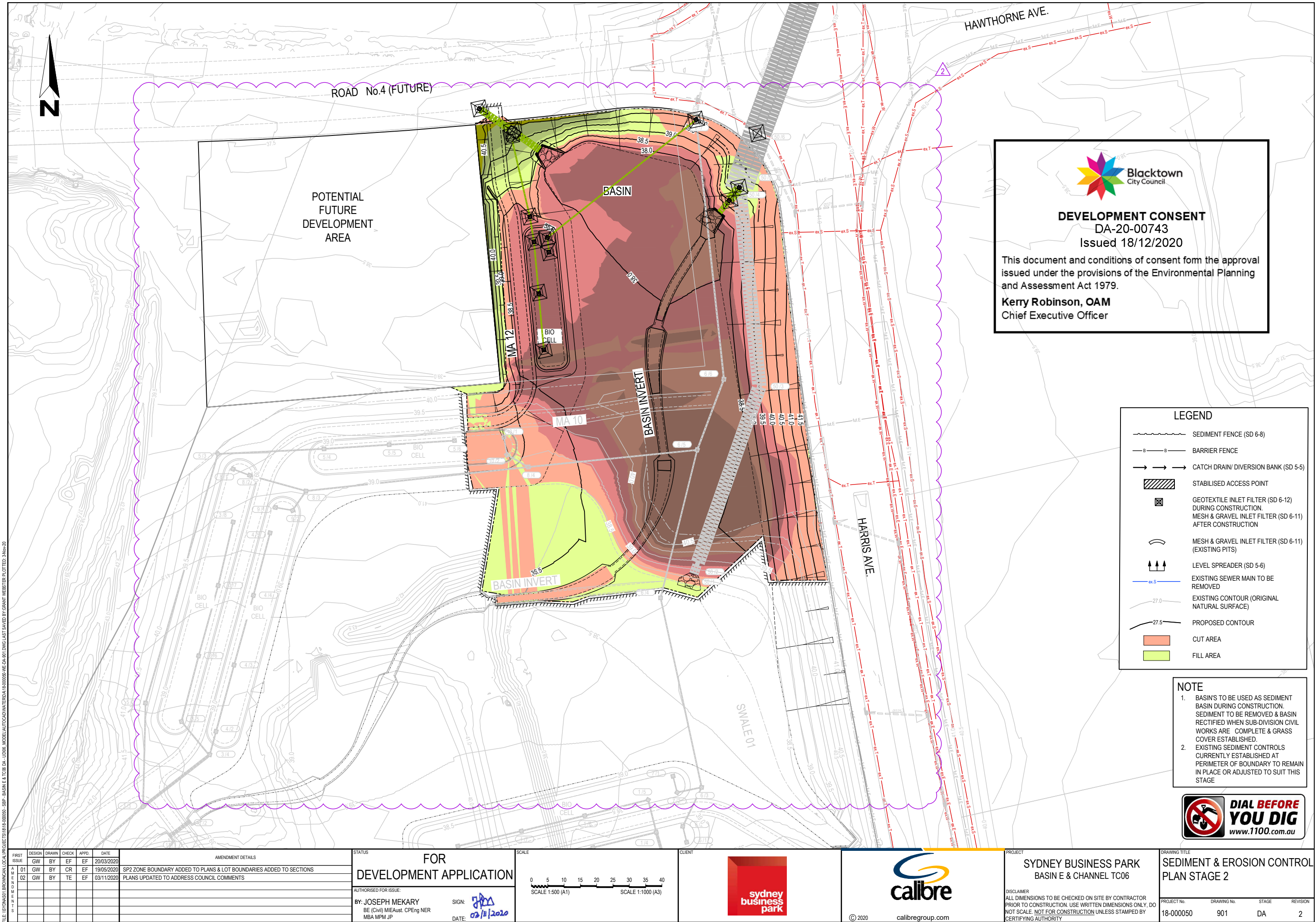



SCALE 1:500 (H)  
SCALE 1:100 (V)



FIRST ISSUE DATE BY DESIGN DRAWN CHECK APPRO. DATE	01	GW	BY	EF	EF	20/03/2020	AMENDMENT DETAILS  SP2 ZONE BOUNDARY ADDED TO PLANS & LOT BOUNDARIES ADDED TO SECTIONS PLANS UPDATED TO ADDRESS COUNCIL COMMENTS	STATUS  <b>FOR DEVELOPMENT APPLICATION</b>	SCALE  0 1 2 3 4 5 6 7 8 SCALE 1:100 (A1) SCALE 1:200 (A3) 0 5 10 15 20 25 30 35 40 SCALE 1:500 (A1) SCALE 1:1000 (A3)	CLIENT  		PROJECT  <b>SYDNEY BUSINESS PARK</b> BASIN E & CHANNEL TC06	DRAWING TITLE  <b>RETAINING WALL LONGITUDINAL SECTIONS SHEET 02 OF 02</b> <b>STAGE 1</b>
	02	GW	BY	CR	EF	19/05/2020							
	03	GW	BY	TE	EF	03/11/2020							
	04	GW	BY	TE	EF	03/11/2020							
05	GW	BY	TE	EF	03/11/2020		AUTHORISED FOR ISSUE:  BY: JOSEPH MEKARY BE (Civil) MIEAust. CPEng NER MBA MP M JP	SIGN:  DATE: 02/11/2020				DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY	PROJECT No. 18-000050 DRAWING No. 805 STAGE DA REVISION 2







**Blacktown**  
City Council

**DEVELOPMENT CONSENT**  
DA-20-00743  
Issued 18/12/2020

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**Kerry Robinson, OAM**  
Chief Executive Officer

**LEGEND**

- SEDIMENT FENCE (SD 6-8)
- BARRIER FENCE
- CATCH DRAIN/ DIVERSION BANK (SD 5-5)
- STABILISED ACCESS POINT
- GEOTEXTILE INLET FILTER (SD 6-12) DURING CONSTRUCTION. MESH & GRAVEL INLET FILTER (SD 6-11) AFTER CONSTRUCTION
- MESH & GRAVEL INLET FILTER (SD 6-11) (EXISTING PITS)
- LEVEL SPREADER (SD 5-6)
- EXISTING SEWER MAIN TO BE REMOVED
- EXISTING CONTOUR (ORIGINAL NATURAL SURFACE)
- PROPOSED CONTOUR
- CUT AREA
- FILL AREA

**NOTE**

- BASIN'S TO BE USED AS SEDIMENT BASIN DURING CONSTRUCTION. SEDIMENT TO BE REMOVED & BASIN RECTIFIED WHEN SUB-DIVISION CIVIL WORKS ARE COMPLETE & GRASS COVER ESTABLISHED.
- EXISTING SEDIMENT CONTROLS CURRENTLY ESTABLISHED AT PERIMETER OF BOUNDARY TO REMAIN IN PLACE OR ADJUSTED TO SUIT THIS STAGE



FILE: C:\STANDARD\BROWMAN\LOCAL PROJECTS\1811-000055 - SP2 - BASIN E & TC06 DA - UD02 MODEL\TC06\WATER\DA 1811-000055-WE-DA-90.DWG LAST SAVED BY GRANT WEBSTER PLOTTED: 3-Nov-20


AMENDMENT DETAILS					
FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROD.	DATE
01	GW	BY	EF	EF	20/03/2020
02	GW	BY	TE	EF	03/11/2020

**FOR DEVELOPMENT APPLICATION**

STATUS

AUTHORISED FOR ISSUE:

BY: JOSEPH MEKARY  
BE (Civil) MIEAust. CPEng NER  
MBA NPM JP

SIGN:   
DATE: 02/11/2020

SCALE

0 5 10 15 20 25 30 35 40

SCALE 1:500 (A1) SCALE 1:1000 (A3)

CLIENT





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PROJECT

**SYDNEY BUSINESS PARK**  
BASIN E & CHANNEL TC06

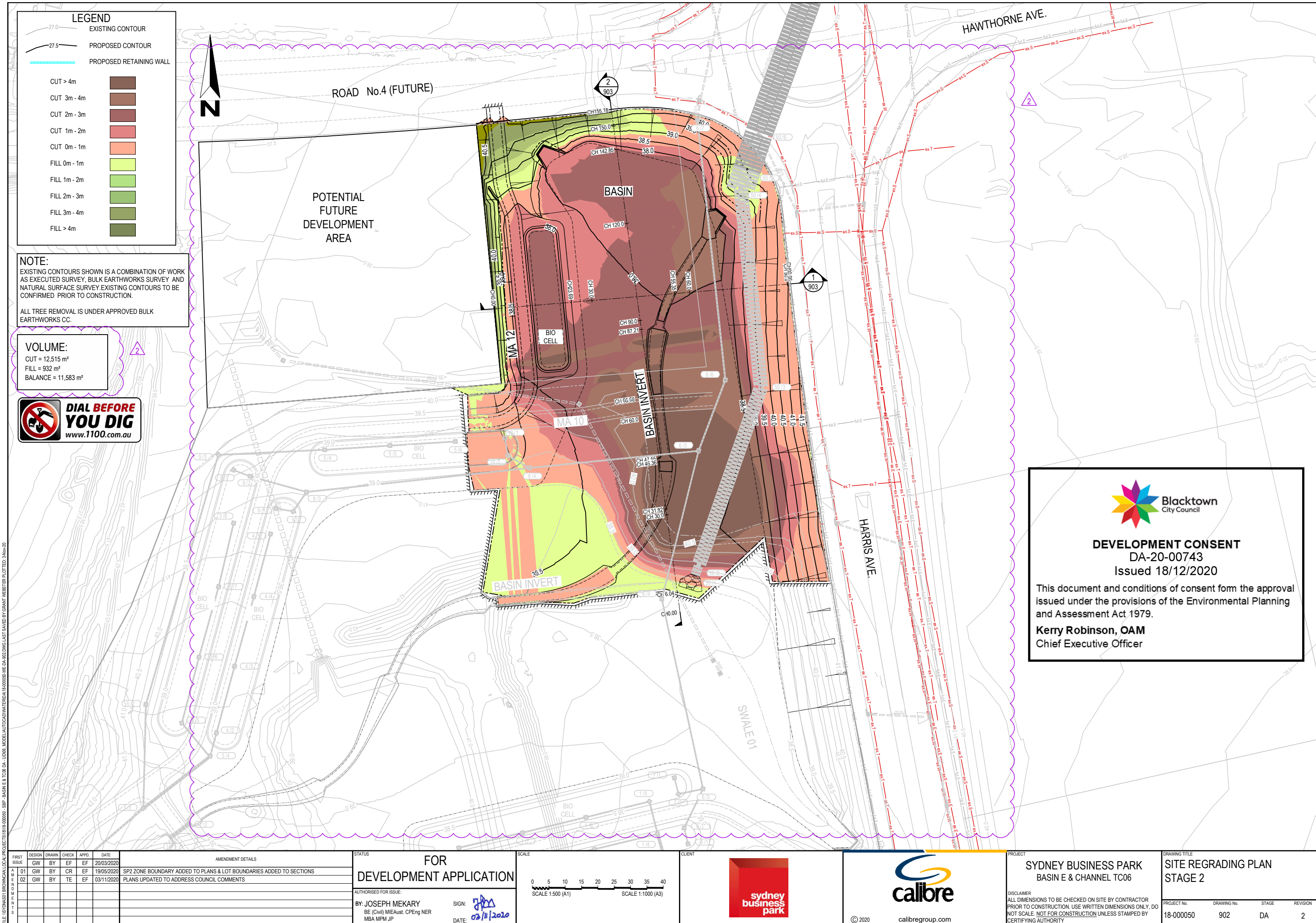
DISCLAIMER  
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY

DRAWING TITLE

**SEDIMENT & EROSION CONTROL**  
PLAN STAGE 2

PROJECT No. 18-000050  
DRAWING No. 901  
STAGE DA  
REVISION 2





LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED RETAINING WALL
CUT > 4m	
CUT 3m - 4m	
CUT 2m - 3m	
CUT 1m - 2m	
CUT 0m - 1m	
FILL 0m - 1m	
FILL 1m - 2m	
FILL 2m - 3m	
FILL 3m - 4m	
FILL > 4m	

**NOTE:**  
EXISTING CONTOURS SHOWN IS A COMBINATION OF WORK AS EXECUTED SURVEY, BULK EARTHWORKS SURVEY AND NATURAL SURFACE SURVEY EXISTING CONTOURS TO BE CONFIRMED PRIOR TO CONSTRUCTION.  
ALL TREE REMOVAL IS UNDER APPROVED BULK EARTHWORKS CC.

**VOLUME:**  
CUT = 12,515 m³  
FILL = 932 m³  
BALANCE = 11,583 m³



**DEVELOPMENT CONSENT**  
DA-20-00743  
Issued 18/12/2020

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**Kerry Robinson, OAM**  
Chief Executive Officer

FILE: I:\STANDARD\BROWMAN LOCAL PROJECTS\1818-000050 - SP2 - BASIN E & TC06 DA - UDS - MODEL\TC06\WATERDA\1818-000050-WE-DA-902.DWG LAST SAVED BY GRANT WEBSTER PLOTTED: 3-Nov-20

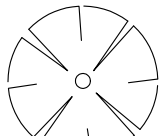
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FIRST ISSUE	DESIGN	DRAWN	CHECK	APPROD.	DATE	STATUS								SYDNEY BUSINESS PARK BASIN E & CHANNEL TC06	
01	GW	BY	CR	EF	20/03/2020										
02	GW	BY	TE	EF	03/11/2020										
SP2 ZONE BOUNDARY ADDED TO PLANS & LOT BOUNDARIES ADDED TO SECTIONS						AUTHORISED FOR ISSUE:  BY: JOSEPH MEKARY BE (Civil) MIEAust. CPEng NER MBA MPM JP								SYDNEY BUSINESS PARK BASIN E & CHANNEL TC06	
PLANS UPDATED TO ADDRESS COUNCIL COMMENTS															
						SIGN:									
						DATE: 02/11/2020									



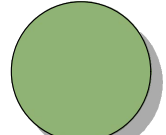


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DA-20-00743  
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**Kerry Robinson, OAM**  
Chief Executive Officer



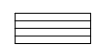
EXISTING STREET TREES



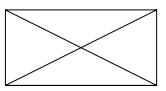
NEW TREES



RB1 - REMOVABLE BOLLARD



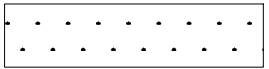
S1 - BENCH SEAT



PS1 - PICNIC SETTING



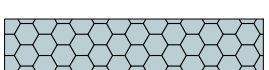
FW1 - FLOOD WARNING SIGN



PLANTING MIX TYPE 1 - BIO RETENTION BASIN



PLANTING MIX TYPE 2 - BIO RETENTION BATTERS



PLANTING MIX TYPE 3 - CREEK LINE PLANTING



PLANTING MIX TYPE 4 - TERRESTRIAL PLANTING



PLANTING MIX TYPE 5 - TERRESTRIAL PLANTING (GRASSES ONLY)



PLANTING MIX TYPE 6 - STRUCTURED PLANTING



NEW TURF

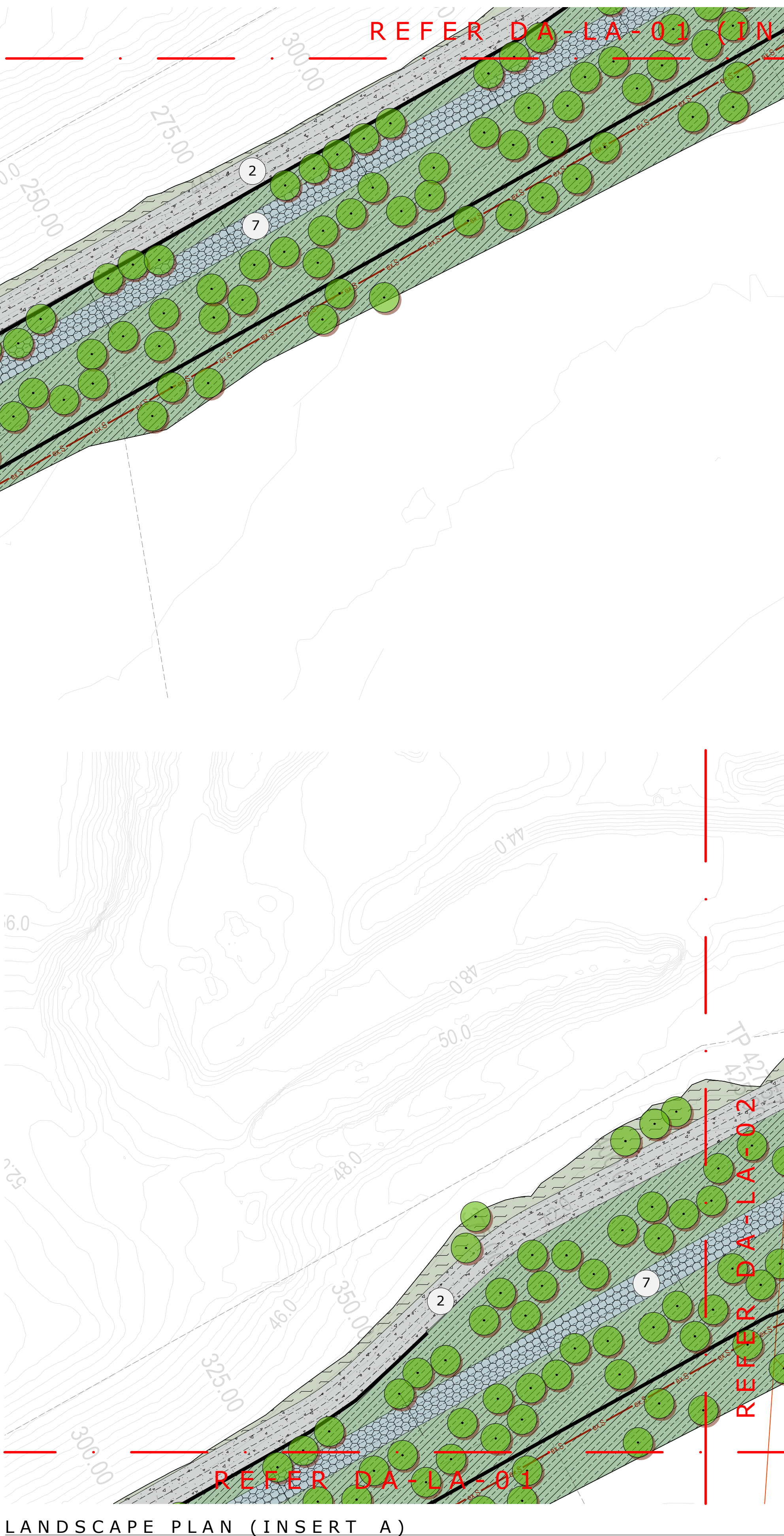
LEGEND

1. BIO RETENTION BASINS: PROVIDED BIORETENTION BASINS IN ACCORDANCE WITH ENGINEERS DOCUMENTATION & BLACKTOWN CITY COUNCIL SPECIFICATIONS
2. MAINTENANCE ACCESS TRACK: PROVIDED 3M WIDE MAINTENANCE ACCESS TRACK IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
3. PEDESTRIAN / CYCLE WAY: PROVIDE 1.5M WIDE CYCLE WAY IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
4. REMOVABLE BOLLARD: PROVIDED SINGLE REMOVABLE BOLLARD TO MAINTENANCE ACCESS TRACK ENTRANCE POINTS.
5. DOUBLE STAGGERED ROW OF TREES TO SECURE SITE BOUNDARY: PROVIDE TREES AT SPACING OF 6M WITH LOW UNDER STORY TO ALLOW SURVEILLANCE INTO THE PARKLAND AREA
6. PASSIVE RECREATION AREA WITH PICNIC SHELTER & SEATING
7. NEW CREEK LINE

LANDSCAPE NOTES



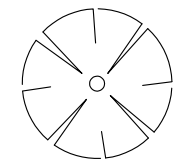
LANDSCAPE PLAN  
SCALE - 1:500



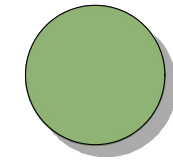
LANDSCAPE PLAN (INSERT A)  
SCALE - 1:500

REV	DATE	ISSUE / AMENDMENT	DRAW CHECK		LANDSCAPE ARCHITECT	CONSULTANTS	CLIENT	NORTH	PROJECT	DRAWING TITLE		
P1	201102	FOR COMMENT	SC	SC		CIVIL ENGINEER CALIBRE CONSULTING			SYDNEY BUSINESS PARK BASIN E	LANDSCAPE PLAN STAGE 1		
A	201108	FOR DEVELOPMENT APPLICATION (DA)	SC	SC						DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH ARCHITECT BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGNS EXERCISED REMAIN VESTED IN COCO DESIGN.		
										SCALE 1:500 @ A1	PROJECT NO 2008	DRAWING NO DA-LA-01





EXISTING STREET TREES



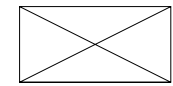
NEW TREES



RB1 - REMOVABLE BOLLARD



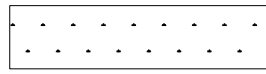
S1 - BENCH SEAT



PS1 - PICNIC SETTING



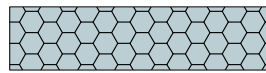
FW1 - FLOOD WARNING SIGN



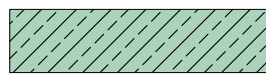
PLANTING MIX TYPE 1 - BIO RETENTION BASIN



PLANTING MIX TYPE 2 - BIO RETENTION BATTERS



PLANTING MIX TYPE 3 - CREEK LINE PLANTING



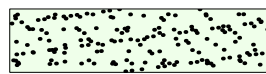
PLANTING MIX TYPE 4 - TERRESTRIAL PLANTING



PLANTING MIX TYPE 5 - TERRESTRIAL PLANTING (GRASSES ONLY)



PLANTING MIX TYPE 6 - STRUCTURED PLANTING



NEW TURF

LEGEND

1. BIO RETENTION BASINS: PROVIDED BIORETENTION BASINS IN ACCORDANCE WITH ENGINEERS DOCUMENTATION & BLACKTOWN CITY COUNCIL SPECIFICATIONS
2. MAINTENANCE ACCESS TRACK: PROVIDED 3M WIDE MAINTENANCE ACCESS TRACK IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
3. PEDESTRIAN / CYCLE WAY: PROVIDE 1.5M WIDE CYCLE WAY IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
4. REMOVABLE BOLLARD: PROVIDED SINGLE REMOVABLE BOLLARD TO MAINTENANCE ACCESS TRACK ENTRANCE POINTS.
5. DOUBLE STAGGERED ROW OF TREES TO SECURE SITE BOUNDARY: PROVIDE TREES AT SPACING OF 6M WITH LOW UNDER STORY TO ALLOW SURVEILLANCE INTO THE PARKLAND AREA
6. PASSIVE RECREATION AREA WITH PICNIC SHELTER & SEATING
7. NEW CREEK LINE

LANDSCAPE NOTES

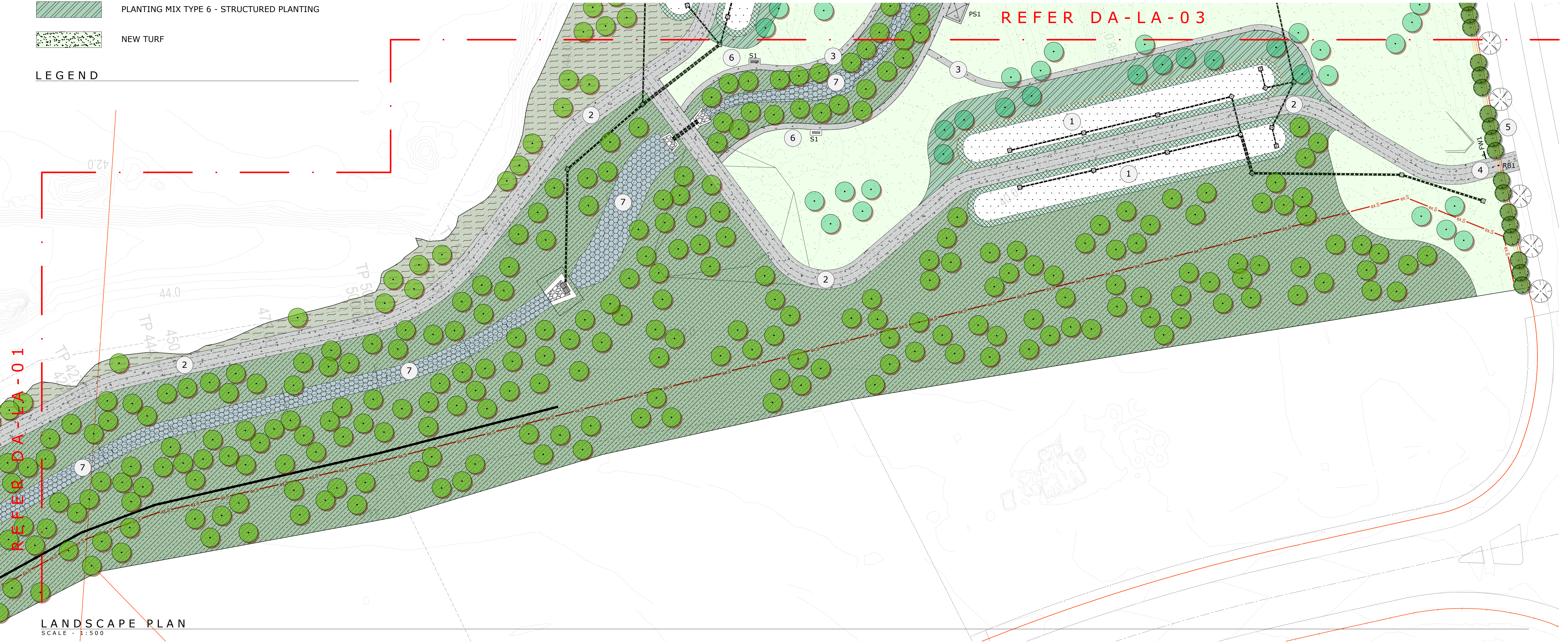


DEVELOPMENT CONSENT

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Kerry Robinson, OAM  
Chief Executive Officer



REV	DATE	ISSUE / AMENDMENT	DRAW	CHECK	LANDSCAPE ARCHITECT	CONSULTANTS	CLIENT	NORTH	PROJECT	DRAWING TITLE
P1	201102	FOR COMMENT	SC	SC		CIVIL ENGINEER			SYDNEY BUSINESS PARK BASIN E	LANDSCAPE PLAN STAGE 1
A	201108	FOR DEVELOPMENT APPLICATION (DA)	SC	SC		CALIBRE CONSULTING				

SCALE BAR

0 5 10 20 30 40m

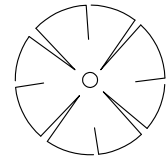
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SCALE	PROJECT NO	DRAWING NO
1:500 @ A1	2008	DA-LA-02

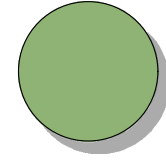


This document and conditions of consent form the approval issued under the provisions of the Environmental Planning and Assessment Act 1979.

**Kerry Robinson, OAM**  
Chief Executive Officer



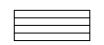
## EXISTING STREET TREES



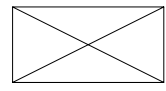
NEW TREES



RB1 - REMOVABLE BOLLARD



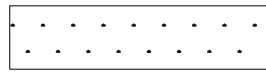
S1 - BENCH SEAT



PS1 - PICNIC SETTING



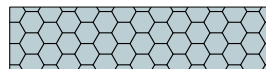
FW1 - FLOOD WARNING SIGN



PLANTING MIX TYPE 1 - BIO RETENTION BASIN



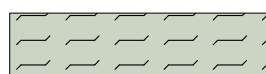
## PLANTING MIX TYPE 2 - BIO RETENTION BATTERS



PLANTING MIX TYPE 3 - CREEK LINE PLANTING



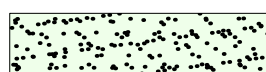
#### PLANTING MIX TYPE 4 - TERRESTRIAL PLANTING



PLANTING MIX TYPE 5 - TERRESTRIAL PLANTING  
(GRASSES ONLY)



### PLANTING MIX TYPE 6 - STRUCTURED PLANTING



NEW TURF

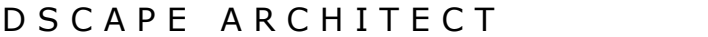



### LEGEND

1. BIO RETENTION BASINS: PROVIDED BIORETENTION BASINS IN ACCORDANCE WITH ENGINEERS DOCUMENTATION & BLACKTOWN CITY COUNCIL SPECIFICATIONS
2. MAINTENANCE ACCESS TRACK: PROVIDED 3M WIDE MAINTENANCE ACCESS TRACK IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
3. PEDESTRIAN / CYCLE WAY: PROVIDE 1.5M WIDE CYCLE WAY IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
4. REMOVABLE BOLLARD: PROVIDED SINGLE REMOVABLE BOLLARD TO MAINTENANCE ACCESS TRACK ENTRANCE POINTS.
5. DOUBLE STAGGERED ROW OF TREES TO SECURE SITE BOUNDARY: PROVIDE TREES AT SPACING OF 6M WITH LOW UNDER STORY TO ALLOW SURVEILLANCE INTO THE PARKLAND AREA
6. PASSIVE RECREATION AREA WITH PICNIC SHELTER & SEATING
7. NEW CREEK LINE

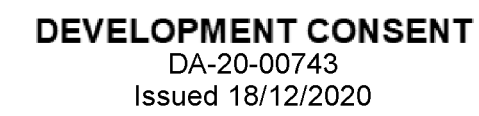
## LANDSCAPE NOTES



LANDSCAPE PLAN  
SCALE - 1:500

REV	DATE	ISSUE / AMENDMENT	DRAW CHECK	LANDSCAPE ARCHITECT	CONSULTANTS	CLIENT	NORTH	PROJECT	DRAWING TITLE			
P1	201102	FOR COMMENT	SC SC		CIVIL ENGINEER CALIBRE CONSULTING			SYDNEY BUSINESS PARK BASIN E	LANDSCAPE PLAN STAGE 1			
A	201108	FOR DEVELOPMENT APPLICATION (DA)	SC SC						<small>DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH ARCHITECT BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE DESIGN EXPLICITLY REMAIN VESTED IN LOGO DESIGN.</small>			
								SCALE BAR	SCALE	PROJECT NO	DRAWING NO	
									1:500 @ A1	2008	DA-LA-03	





**Kerry Robinson, OAM**  
Chief Executive Officer

## EXISTING STREET TREES

NEW TREES

RB1 - REMOVABLE BOLLARD

S1 - BENCH SEAT

PS1 - PICNIC SETTING

FW1 - FLOOD WARNING SIGN

PLANTING MIX TYPE 1 - BIO RETENTION BASIN

### PLANTING MIX TYPE 2 - BIO RETENTION BATTERS

PLANTING MIX TYPE 3 - CREEK LINE PLANTING

#### PLANTING MIX TYPE 4 - TERRESTRIAL PLANTING

PLANTING MIX TYPE 5 - TERRESTRIAL PLANTING  
(GRASSES & SHRUB ONLY)

### PLANTING MIX TYPE 6 - STRUCTURED PLANTING

NEW TURF

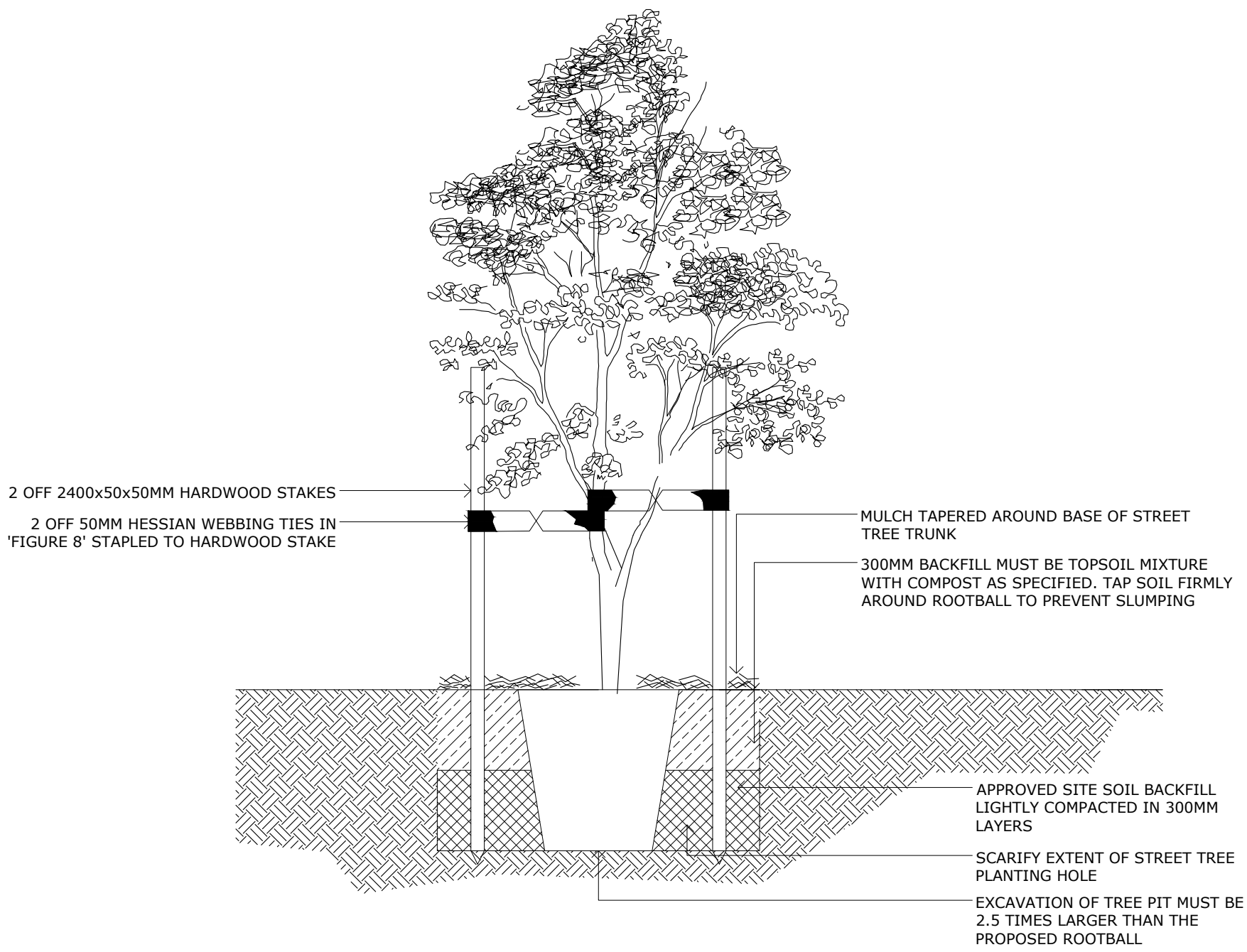
1. BIO RETENTION BASINS: PROVIDED BIORETENTION BASINS IN ACCORDANCE WITH ENGINEERS DOCUMENTATION & BLACKTOWN CITY COUNCIL SPECIFICATIONS
2. MAINTENANCE ACCESS TRACK: PROVIDED 3M WIDE MAINTENANCE ACCESS TRACK IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL SPECIFICATIONS
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6. PASSIVE RECREATION AREA WITH PICNIC SHELTER & SEATING
7. NEW CREEK LINE

LANDSCAPE PLAN  
SCALE - 1:500



REV	DATE	ISSUE / AMENDMENT	DRAW	CHECK	LANDSCAPE ARCHITECT	CONSULTANTS	CLIENT	NORTH	PROJECT	DRAWING TITLE			
P1	201102	FOR COMMENT	SC	SC		CIVIL ENGINEER CALIBRE CONSULTING			SYDNEY BUSINESS PARK BASIN E	LANDSCAPE PLAN STAGE 2			
A	201108	FOR DEVELOPMENT APPLICATION (DA)	SC	SC						<small>DO NOT SCALE OFF THIS DRAWING - USE FIGURED DIMENSIONS ONLY - VERIFY ALL DIMENSIONS ON SITE - RESOLVE DISCREPANCIES WITH ARCHITECT BEFORE PROCEEDING. COPYRIGHT OF THIS DRAWING AND THE CONTENTS CREATED HEREIN REMAIN RESERVED TO CECO DESIGN.</small>			
										SCALE BAR	SCALE 1:500 @ A1	PROJECT NO 2008	DRAWING NO DA-LA-04
													



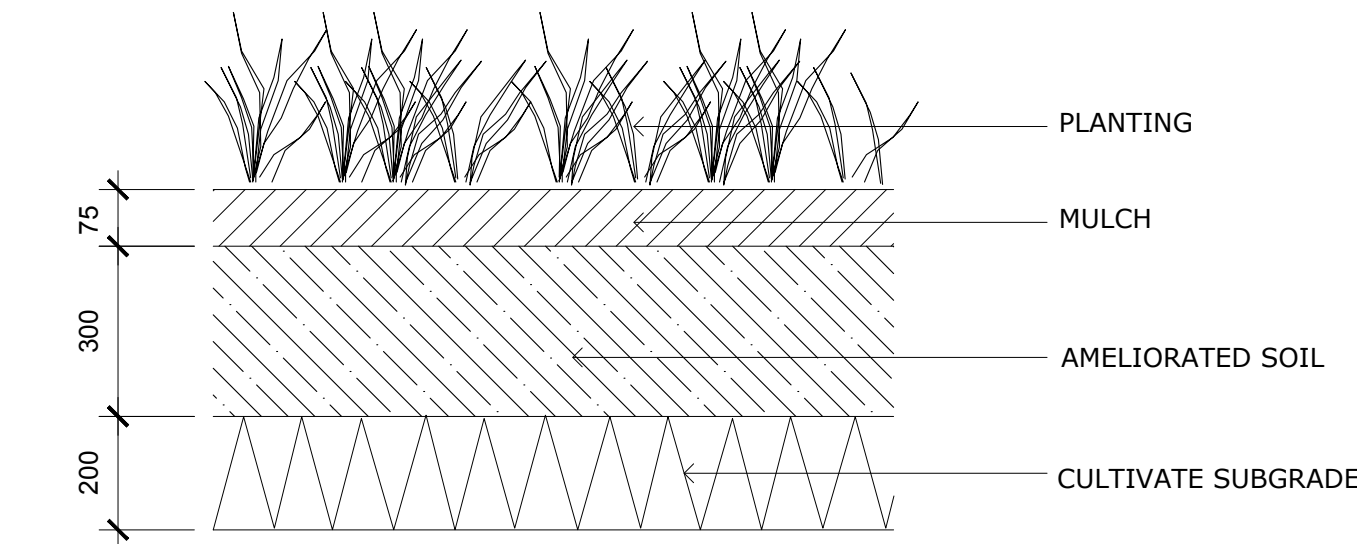


TREE PLANTING DETAIL

SCALE - 1 : 20

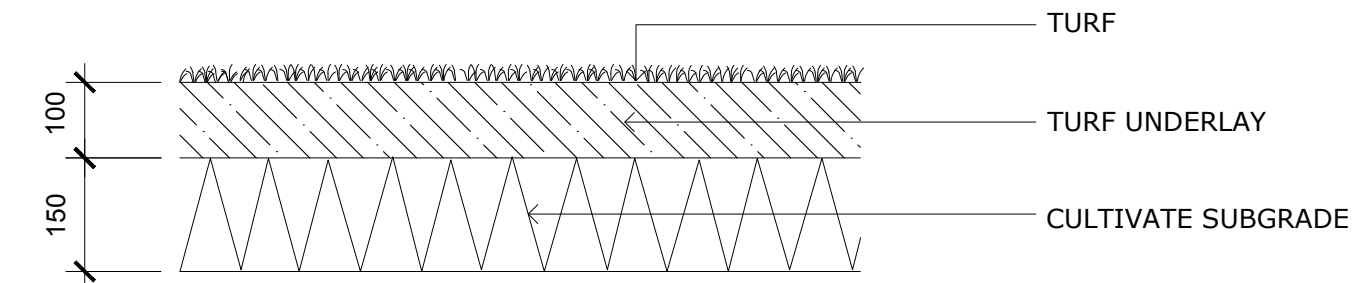
- All soft landscape areas to be ripped and cultivated up to 200mm depth
- Soils to conform to AS4419-2003 Soils for landscaping & garden use
  - Soil Types & Depths
    - Turf Areas: STU Turf Underlay or equivalent up to 100mm depth
    - Mass Planting Areas (Ameliorated): Place site won topsoil at 300mm depth & ameliorate with 20% by volume compost, 200gsm Gypsum, 200gsm Lime & 50gsm Urea
- Mulches to conform to AS4454-2003 Soil Conditioners for landscaping & garden use
  - Mulch Types & Depths
    - Mass Planting Areas: 'Forest Blend Mulch' or equivalent up to 75mm depth
- Turf must be Kikuyu (Pennisetum clandestinum) unless otherwise stated
- Planting
  - Plants must be supplied by an approved nursery supplier as nominated by the Superintendent
  - Plants must be true to species or cultivar as per the Landscape Plan & Plant Schedule. No substitutions are allowed unless approved in writing by the Superintendent.
  - Planting holes must be dug to a depth and width that is slightly larger than the width of the plant root ball. Base of planting hole must be loosened to depth of 75mm. Root ball must be backfilled with friable topsoil. Upon completion of the planting operation the base of each stem must finish flush with the surface of the topsoil.
  - A mulch dish must be formed around the base of each plant to aid in water absorption
  - No trees re to be removed, ringbarked, cut, topped or lopper or willfully destroyed (other than those within the proposed building footprint or as shown on approved plans) without the prior consent of Council and in accordance with Council's Tree Preservation Order & Policy
  - Stakes must be driven into the ground at least one third of their length, avoiding damage to the root system. Trees are to be tied loosely so that while stakes provide support during storms etc under normal conditions the trees are effectively un-staked.
    - For trees > 2.5M high: Three 50x50x2400mm stakes per tree
    - For trees 1.0 - 2.5M high: Two 50x50x1800mm stakes per tree
    - For trees <1.0M high: One 38x38x1200mm stake per tree (or as required)
  - Tree Supply: All the tree supply stocks shall comply with the guidance given in the publication Specifying Trees: a guide to assessment of tree quality by Ross Clark (NATSPEC, 2003).
  - Plant Stock Procurement: All scheduled plant stock shall be pre-ordered prior to issue of Construction Certificate or 3 months prior to the commence of landscape construction works, whichever occurs sooner, for the supply to the site on time for installation. Written confirmation of the order shall be provided to Council's Landscape Architect prior to issue of any Construction Certificate. The order confirmation shall include name, address and contact details of supplier and expected supply date.
- Maintenance
  - Maintenance period fifty-two (52) weeks from date of Practical Completion.
    - Scope of works includes (but is not limited to) the following: Mowing & Trimming, Topdressing, Plant Replacements, Insect & Disease Control, Reinstatement / Removal of Stakes & Ties, Weeding (hand removal and / or chemical (herbicide), Fertilising, Rubbish Removal, Re-Mulching & Watering

SPECIFICATION



MASS PLANTING DETAIL

SCALE - 1 : 10



TURF DETAIL

SCALE - 1 : 10

CODE	SPECIES	COMMON NAME	HEIGHT	POT SIZE	DENSITY
STREET TREES					
WFL	Waterhousia floribunda	Weeping Lilly Pilly	10M	200L	As Shown
TREES					
ACO	Angophora costata	Smooth-Barked Apple	16M	75L	As Shown
AFL	Angophora floribunda	Rough-Barked Apple	20M	75L	As Shown
CMA	Corymbia maculata	Spotted Gum	24M	75L	As Shown
CAN	Cupaniopsis anacardioides	Tuckeroo	8M	100L	As Shown
ETE	Eucalyptus tereticornis	Red Forest Gum	22M	75L	As Shown
PLANTING MIX TYPE 1 - BIO RETENTION BASIN					
cap	Carex appressa	Tall Sedge	1M	tube	8/m2
jus	Juncus usitatus	Common Rush	1.2M	tube	8/m2
ino	Isolepis nodosa	Knobby Club Rush	1.2M	tube	8/m2
PLANTING MIX TYPE 2 - BIO RETENTION BATTERS					
dlo	Dianella longifolia	Blueberry Lily	1.4M	tube	8/m2
llo	Lomandra longifolia	Spiny Mat-Rush	1.4M	tube	8/m2
PLANTING MIX TYPE 3 - CREEK LINE PLANTING					
bfi	Bolboschoenus fluviatililis	River Bull Rush	2M	tube	8/m2
cap	Carex appressa	Tall Sedge	1M	tube	8/m2
cgr	Cyperus gracilis	Slender Flat Sedge	0.8M	tube	8/m2
icy	Imperata cylindrica	Bladey Grass	1.4M	tube	8/m2
ino	Isolepis nodosa	Knobby Club Rush	1.2M	tube	8/m2
jus	Juncus usitatus	Common Rush	1.2M	tube	8/m2
sva	Schoenoplectus validus	Soft Stem Bull Rush	2.2M	tube	8/m2
PLANTING MIX TYPE 4 - TERRESTRIAL PLANTING					
Bsi	Bursaria spinosa	Native Blackthorn	3M	tube	1/4m2
Iau	Indigofera australis	Australian Indigo	4M	tube	1/4m2
Mli	Melaleuca linariifolia	Narrow-leaved Paperbark	3M	tube	1/4m2
cap	Carex appressa	Tall Sedge	1M	tube	8/m2
dte	Danthonia tenuior	Wallaby Grass	0.8M	tube	8/m2
icy	Imperata cylindrica	Bladey Grass	1.4M	tube	8/m2
llo	Lomandra longifolia	Spiny Mat-Rush	1.4M	tube	8/m2
lka	Lomandra 'Katrinus'	Katrinus	1.4M	tube	8/m2
pal	Pennisetum alopecuroides	Swamp Foxtail	1.6M	tube	8/m2
pes	Poa 'Eskdale'	Eskdale	0.8M	tube	8/m2
PLANTING MIX TYPE 5 - TERRESTRIAL PLANTING (GRASSES ONLY)					
cap	Carex appressa	Tall Sedge	1M	tube	8/m2
dte	Danthonia tenuior	Wallaby Grass	0.8M	tube	8/m2
icy	Imperata cylindrica	Bladey Grass	1.4M	tube	8/m2
llo	Lomandra longifolia	Spiny Mat-Rush	1.4M	tube	8/m2
lka	Lomandra 'Katrinus'	Katrinus	1.4M	tube	8/m2
pal	Pennisetum alopecuroides	Swamp Foxtail	1.6M	tube	8/m2
pes	Poa 'Eskdale'	Eskdale	0.8M	tube	8/m2
PLANTING MIX TYPE 6 - STRUCTURED PLANTING					
Aam	Acmena 'Alyn Magic'	Alyn Magic	1.5M	200mm	4/m2
Clj	Callistemon 'Little John'	Little John	0.6M	200mm	4/m2
Mct	Melaleuca 'Claret Tops'	Claret Tops	0.8M	200mm	4/m2
Rop	Rhapelepsis 'Oriental Pearl'	Oriental Pearl	0.6M	200mm	4/m2
Wfr	Westringia fruticosa	Coastal Rosemary	1.4M	200mm	4/m2
Wzn	Westringia 'Zena'	Zena	0.4M	200mm	4/m2
dss	Dianella 'Streetscape'	Streetscape	0.4M	140mm	6/m2
lka	Lomandra 'Katrinus'	Katrinus	1.4M	140mm	6/m2
lit	Lomandra 'Lime Tuff'	Lime Tuff	1.2M	140mm	6/m2
pes	Poa 'Eskdale'	Eskdale	0.8M	140mm	6/m2
tjm	Trachelospermum jasminoides	Star Jasmine	0.2M	140mm	6/m2

PLANT SCHEDULE



DEVELOPMENT CONSENT

DA-20-00743  
Issued 18/12/2020

This document and conditions of consent form the approval issued under the provisions of the Environmental Planning and Assessment Act 1979.

Kerry Robinson, OAM  
Chief Executive Officer