

CURL CURL NORTH PUBLIC SCHOOL
 DEPARTMENT OF EDUCATION
 PLAYFAIR ROAD
 161029

CLIENT	DEPARTMENT OF EDUCATION T + 61 2 9551 1136
LANDSCAPE CONSULTANT	Education Public Schools T + 61 2 9244 6900
Context	
STRUCTURAL & CIVIL CONSULTANT	Woolcotts Consulting Engineers Pty Ltd T + 61 2 8241 9907
GEOTECHNICAL CONSULTANT	J + K Group T + 61 2 9889 5000
ELECTRICAL & MECHANICAL CONSULTANTS	Shelmerdine Consulting Engineers T + 61 2 9436 3021
HYDRAULIC CONSULTANT	AJ Whippa Consulting Group T + 61 2 8823 6444
ACOUSTIC CONSULTANT	Wilkinson Murray T + 61 2 9437 4511
NCC/BCA & ACCESS CONSULTANT	Design Confidence T + 61 2 8398 3707
TRAFFIC CONSULTANT	Traffix T + 61 2 8324 8706

Project - SSDA RIS Sheet List

Sheet Number	Sheet Name	Scale	Current Revision
AR.DA2 0000	COVER SHEET	NTS	A
AR.DA2 1001	SITE ANALYSIS	1:500	A
AR.DA2 1001	SITE PLANS	1:500	A
AR.DA2 1002	SITE DEMONSTRATION PLAN	1:500	A
AR.DA2 2001	(N) GROUND PLAN SOUTH	1:200	A
AR.DA2 2002	(N) GROUND PLAN NORTH	1:200	A
AR.DA2 2003	(N) FIRST FLOOR PLAN SOUTH	1:200	A
AR.DA2 2004	(N) FIRST FLOOR PLAN NORTH	1:200	A
AR.DA2 2005	(N) ROOF PLAN SOUTH	1:200	A
AR.DA2 2006	(N) ROOF PLAN NORTH	1:200	A
AR.DA2 3001	SPA PLANS	1:500	A
AR.DA2 3001	ELEVATIONS	1:200	A
AR.DA2 3001	SECTIONS 1:200	1:200	A
AR.DA2 7001	LANDSCAPE DIAGRAM	1:500	A
AR.DA2 7001	EXTERNAL MATERIALS & SIGNAGE	NTS	A
AR.DA2 7001	3D PERSPECTIVES	NTS	A



NSW GOVERNMENT | **Planning & Environment**
 Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. SSD 8310
 granted on the 28 Nov 2018
 Signed A. Cooman
 Sheet No. 1 of 35

NSW Registered Architect: Robert Denton Reg. No. 5172, Alan Kibble Reg. No. 9215				
Do not scale drawings. Verify all dimensions on site. Makey architect of all discrepancies				
Rev	Date	Description	Checked	Auth
A	04.05.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
 CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
 COVER SHEET

Proj Dir	Proj Arch	Drawn
AK	AH	SJN
Job No	Date	Scale
161029	Aug 17	As indicated @ B1

Drawing No. **AR.DA2.0000** Revision **A**

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Approved Application No. SSD 8310

granted on the 28 Nov 2015

Signed A. Coonan

Sheet No. 2 of 35

NSW Notified Architects Robert Denton Reg. No. 5712, Alan Korda Reg. No. 6015
Do not scale drawings. Verify all dimensions on site. Fixity architect of all discrepancies

Rev	Date	Description	Checked	Auth.
A	04.05.15	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
SITE ANALYSIS

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author
Job No.	Date	Scale
161029	Aug 17	1 : 500 @ B1
Drawing No.	Revision	
AR.DA2.1001	A	

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Design Confidence
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TRAFFIC CONSULTANT
Traffix
T + 61 2 9324 8100

ABBREVIATIONS
COLA COVERED OUTDOOR LEARNING
(E) EXISTING
(N) NEW



DASHED RED LINE INDICATES (E) BUILDINGS TO BE DEMOLISHED

ALL (E) DEMOUNTABLES BUILDINGS ON SITE TO BE REMOVED

(E) BLOCK L TO BE RETAINED AND EXTENDED

(E) TREES TO BE REMOVED SHOWN DASHED REFER TO ANNOTATED REPORT FOR DETAILS

(E) BLOCK M TO BE RETAINED AND EXTENDED

(E) PLAY EQUIPMENT TO BE REMOVED

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Approved Application No. 850 8310

granted on the 28 Nov 2016

Signed A. Cooman

Sheet No. 4 of 15

NSW Nominated Architect Robert Denton Reg. No. 5792. Alan Kibble Reg. No. 6015
Do not scale drawings. Verify all dimensions on site. Identify architect of all discrepancies

Rev	Date	Description	Checked	Auth.
A	04.05.16	RIS	RW	AH

NOT FOR CONSTRUCTION

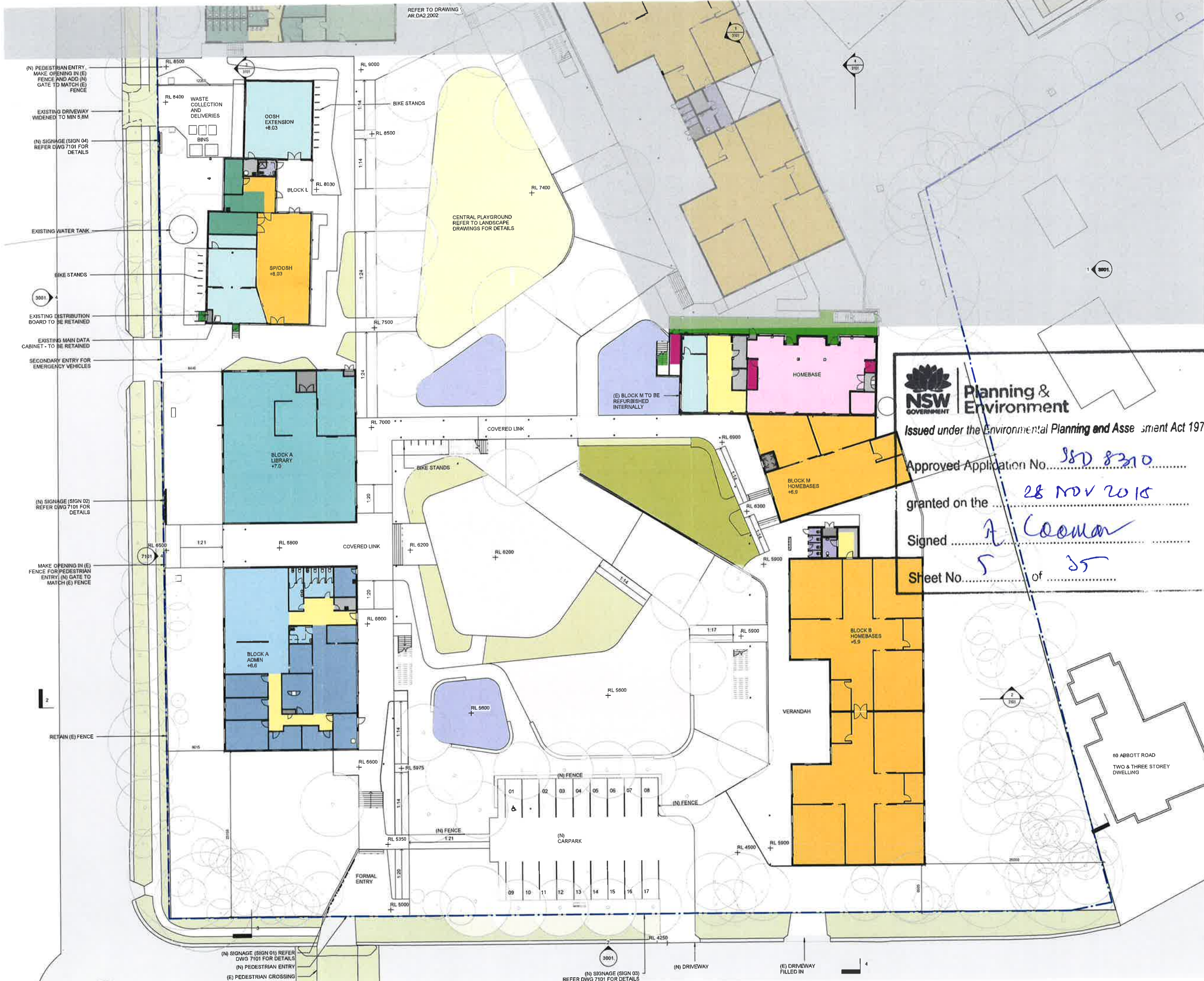
Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
SITE DEMOLITION PLAN

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author
Job No.	Date	Scale
161029	Aug 17	1 : 500 @ B1
Drawing No.	Revision	
AR.DA2.1102	A	

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ACOUSTIC CONSULTANT
Wilkinson Murray
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NCC/BCA & ACCESS CONSULTANT
Design Confidence
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TRAFFIC CONSULTANT
Traffix
T + 61 2 8324 8703

- Department Legend:
- (E) HOMEBASE
 - ADMINISTRATION
 - AMENITIES
 - CANTEEN
 - EXTERNAL CIRCULATION - EXISTING
 - HALL
 - HOMEBASE
 - INTERNAL CIRCULATION
 - LIBRARY
 - SPECIAL PROGRAMS
 - STAFF
 - STORE
 - STORE - EXISTING
 - UTILITIES/SERVICES

EXISTING BUILDING
PROPOSED STORMWATER PITS;
REFER TO CIVIL DRAWINGS

ABBREVIATIONS

COLA COVERED OUTDOOR LEARNING
DWG DRAWING
(E) EXISTING
FFL FINISHED FLOOR LEVEL
(N) NEW
OOSH OUTSIDE SCHOOL HOURS CARE
RL REDUCED LEVEL ABOVE AUSTRALIAN HEIGHT DATUM
SP SPECIAL PROGRAMS

NSW Registered Architects Firm (No. 1192) Also a K&S Reg. No. 6075
By not making drawings, verify, all dimensions on site. Liability limited by all circumstances

Rev	Date	Description	Checked	Auth
B	10.05.16	RIS Update	RW	AH
A	04.05.16	RIS	RW	AH

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Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. 880 8310

granted on the 28 NOV 2015

Signed A. Coonan

Sheet No. 5 of 35

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
(N) GROUND PLAN SOUTH

Proj. Dir	Proj. Arch.	Drawn
AK	AH	Author

Job No. 161029 Date 17 Aug 17 Scale 1:200 @ B1

Drawing No. AR.DA2.2001 Revision B

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ACOUSTIC CONSULTANT
Wilkinson Murray
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Approved Application No. 85D 831D

granted on the 28 NOV 2018

Signed A. Colman

Sheet No. 6 of 35

- Department Legend
- AMENITIES
 - CANTEN
 - EXTERNAL CIRCULATION - EXISTING
 - HALL
 - HOMEBASE
 - INTERNAL CIRCULATION
 - STORE
 - UTILITIES/SERVICES
 - Calculating
- EXISTING BUILDING
 PROPOSED STORMWATER PITS; REFER TO CIVIL DRAWINGS

- ABBREVIATIONS
- COLA COVERED OUTDOOR LEARNING
 - DWG DRAWING
 - (E) EXISTING
 - FFL FINISHED FLOOR LEVEL
 - (N) NEW
 - OOSH OUTSIDE SCHOOL HOURS CARE
 - RL REDUCED LEVEL ABOVE AUSTRALIAN HEIGHT DATUM
 - SP SPECIAL PROGRAMS

NSW Registered Architects Robert Denton Reg. No. 5182, Alan Kibble Reg. No. 6019
 Do not scale drawings. Verify all dimensions on-site. Verify architect of all components.

Rev	Date	Description	Checked	Auth
A	04.05.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

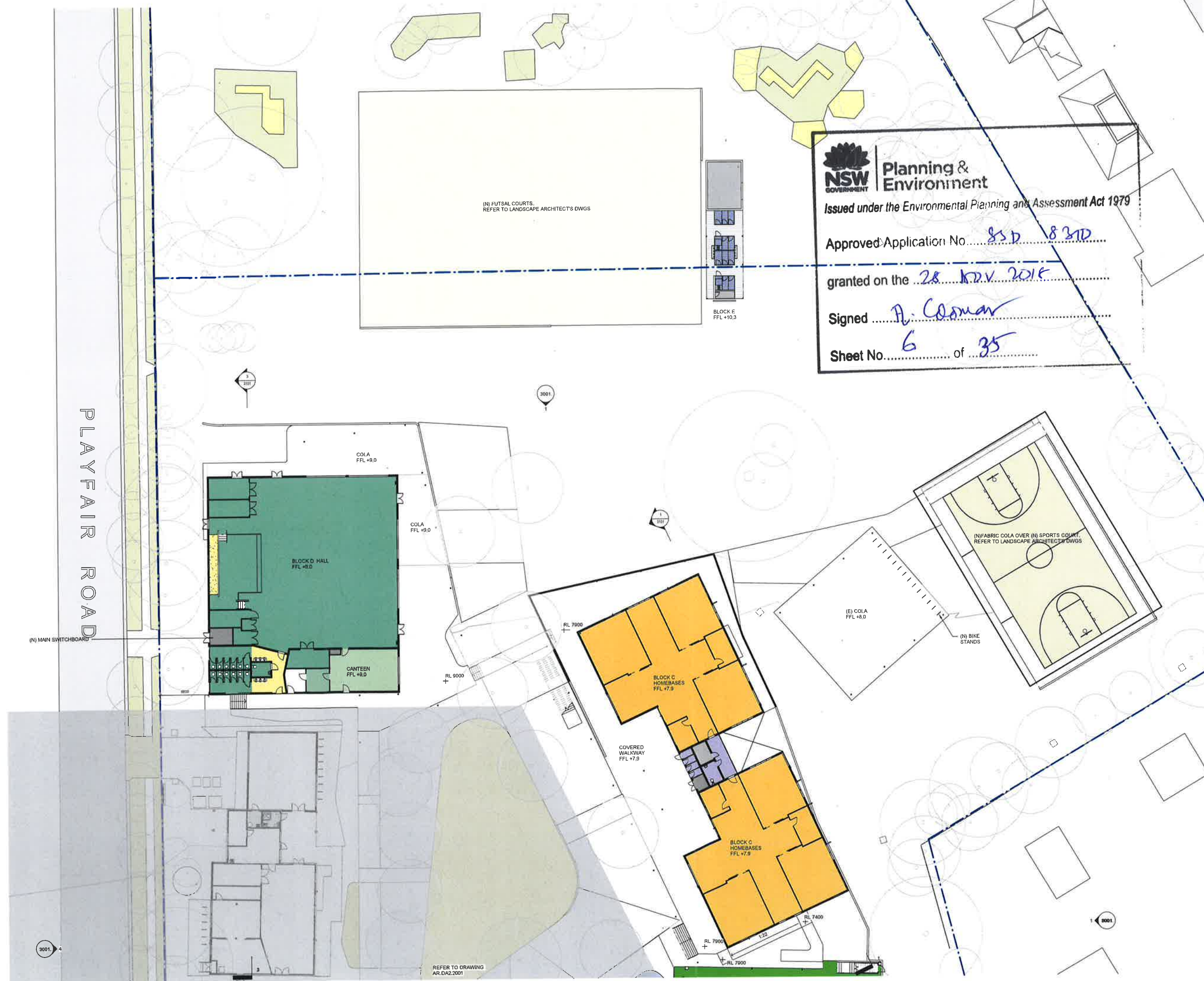
Drawing Title
(N) GROUND PLAN NORTH

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author

Job No.	Date	Scale
161029	Aug 17	1:200 @ B1

Drawing No. **AR.DA2.2002** Revision **A**

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PLAYFAIR ROAD

(N) FUTSAL COURTS.
REFER TO LANDSCAPE ARCHITECT'S DWGS

BLOCK E
FFL +10.3

COLA
FFL +9.0

BLOCK D HALL
FFL +8.0

CANTEN
FFL +8.0

BLOCK C
HOMEBASES
FFL +7.9

BLOCK C
HOMEBASES
FFL +7.9

COVERED
WALKWAY
FFL +7.9

(E) COLA
FFL +8.0

(N) BIKE
STANDS

(N) FABRIC COLA OVER (N) SPORTS COURT.
REFER TO LANDSCAPE ARCHITECT'S DWGS

REFER TO DRAWING
AR.DA2.2001



- CLIENT
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- T + 61 2 9561 1136
- LANDSCAPE CONSULTANT
Context
T + 61 2 8244 8900
- STRUCTURAL & CIVIL CONSULTANT
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T + 61 2 8241 9907
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Wilkinson Murray
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Design Confidence
T + 61 2 8399 3707
- TRAFFIC CONSULTANT
Traffix
T + 61 2 8124 8703

- Department Legend
- (E) HOMEBASE
 - AMENITIES
 - HOMEBASE
 - INTERNAL CIRCULATION
 - SPECIAL PROGRAMS
 - STORE
 - STORE - EXISTING
 - UTILITIES/SERVICES

NSW GOVERNMENT | **Planning & Environment**

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. 850 8310

granted on the 20 NOV 2018

Signed A. Coman

Sheet No. 7 of 25

EXISTING BUILDING
PROPOSED
STORMWATER PITS;
REFER TO CIVIL
DRAWINGS

Do not scale drawings. Verify all dimensions on site. Identify and check all dimensions.

Rev	Date	Description	Checked	Auth.
C	29.08.18	Issue for Addition RIS Information	AH	AK
B	18.08.18	Issue for QS	CR	AH
A	04.05.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
(N) FIRST FLOOR PLAN SOUTH

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author
Job No.	Date	Scale
161029	Aug 17	1 : 200 @ B1
Drawing No.	Revision	
AR.DA2.2003.	C	

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Department Legend

- AMENITIES
- HOMEBASE
- STORE
- UTILITIES/SERVICES

EXISTING BUILDING
 PROPOSED
 STORMWATER PITS;
REFER TO CIVIL
DRAWINGS

NSW Planning Environment
GOVERNMENT

Issued under the Environment Planning and Assessment Act 1979

Approved Application No. 51/ 8210

granted on the 26 Nov 2018

Signed A. Coonan

Sheet No. 8 of 35

NSW Nominated Architects Robert Denton Reg. No. 5782 Alex Kibble Reg. No. 6015
Do not scale drawings. Verify all dimensions on the field. Architect of all measurements.

Rev	Date	Description	Checked	Auth.
B	10.05.18	RIS Update	RW	AH
A	04.06.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
(N) FIRST FLOOR PLAN NORTH

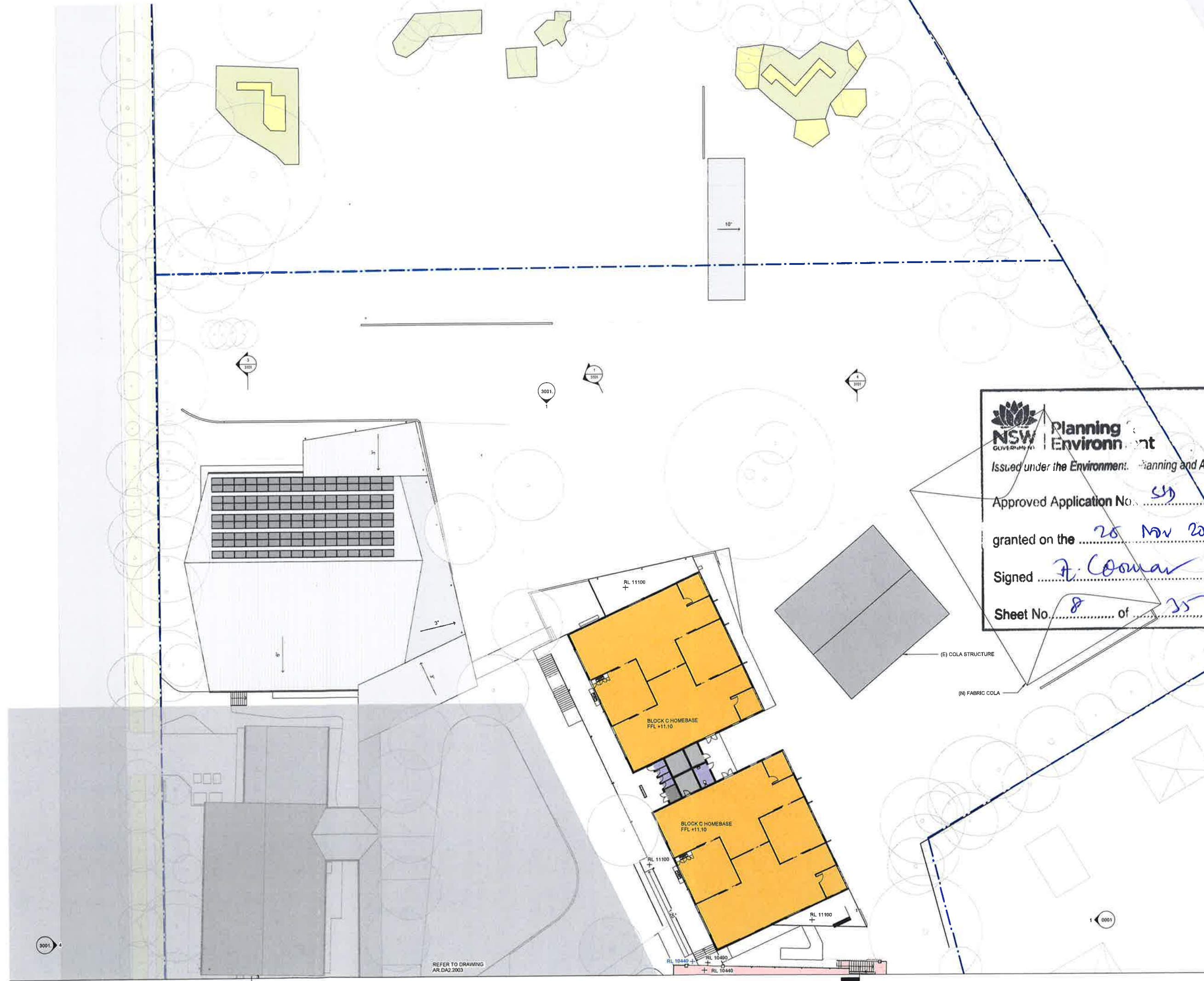
Proj. Dir	Proj. Arch	Drawn
AK	AH	Author

Job No. 161029 Date Aug 17 Scale 1:200 @ B1

Drawing No. AR.DA2.2004 Revision B

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TKDArchitects
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REFER TO DRAWING
AR.DA2.2003

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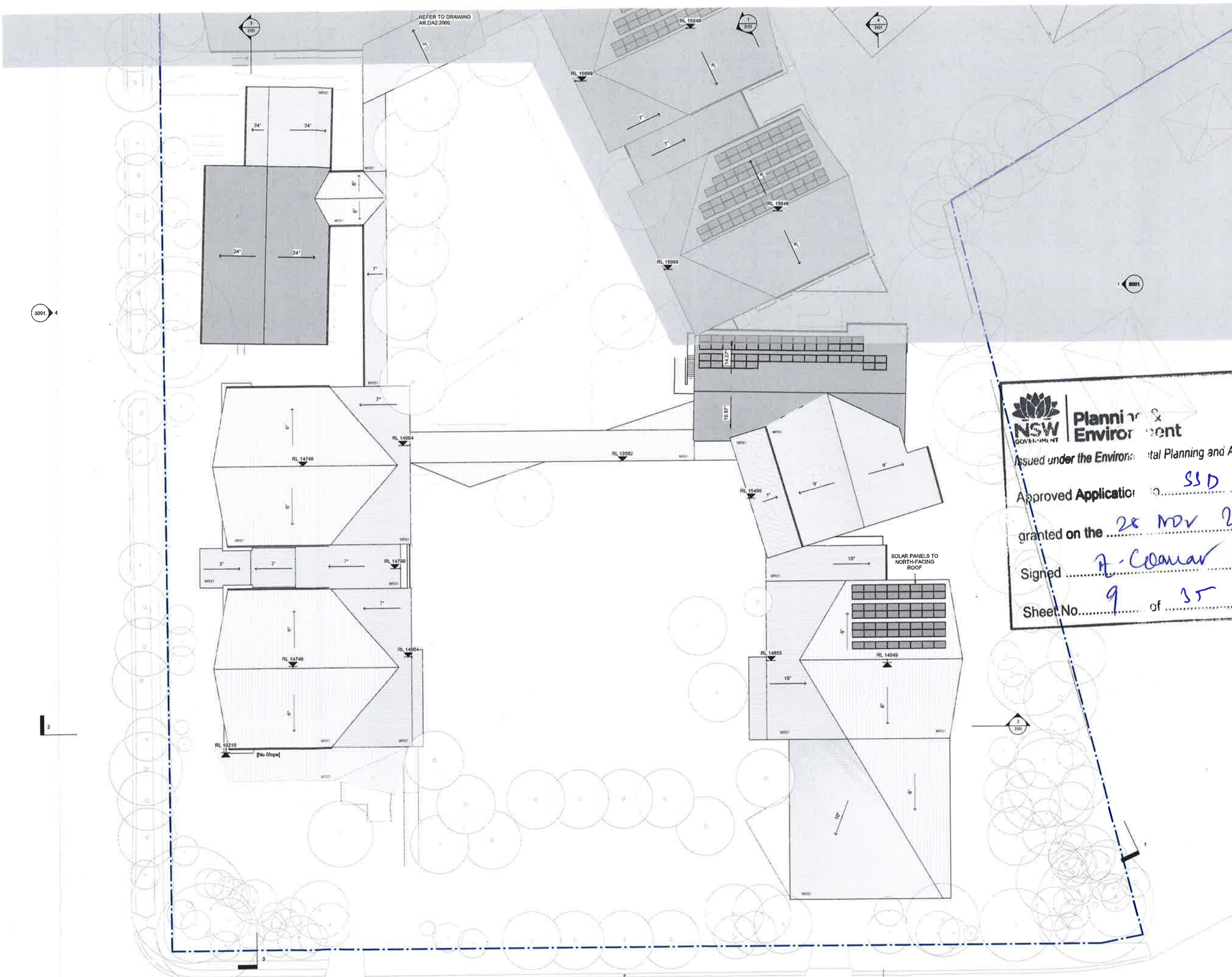
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Approved Application No. SSD 8310

granted on the 28 NOV 2018

Signed A. Coonan

Sheet No. 9 of 35

NSW Registered Architect: Robert Denton Reg. No. 5792 Alex Hahn Reg. No. 6545
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Rev	Date	Description	Checked	Auth.
A	04.05.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
(N) ROOF PLAN SOUTH

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author
Job No.	Date	Scale
161029	Aug 17	1:200 @ B1
Drawing No.	Revision	
AR.DA2.2005	A	

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NSW GOVERNMENT | **Planning & Environment**

Issued under the *Environmental Planning and Assessment Act 1979*

Approved Application No. 85D 82D

granted on the 25 Nov 2015

Signed J. Cooman

Sheet No. 10 of 25

NSW Notified Architects, Robert Denton Reg. No. 5192, Alan Kibble Reg. No. 0015
(In accordance with clause 10 of the Environmental Planning and Assessment Act 1979, all developments on the locality must be approved by all notifiers)

Rev	Date	Description	Checked	Auth.
A	04.06.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

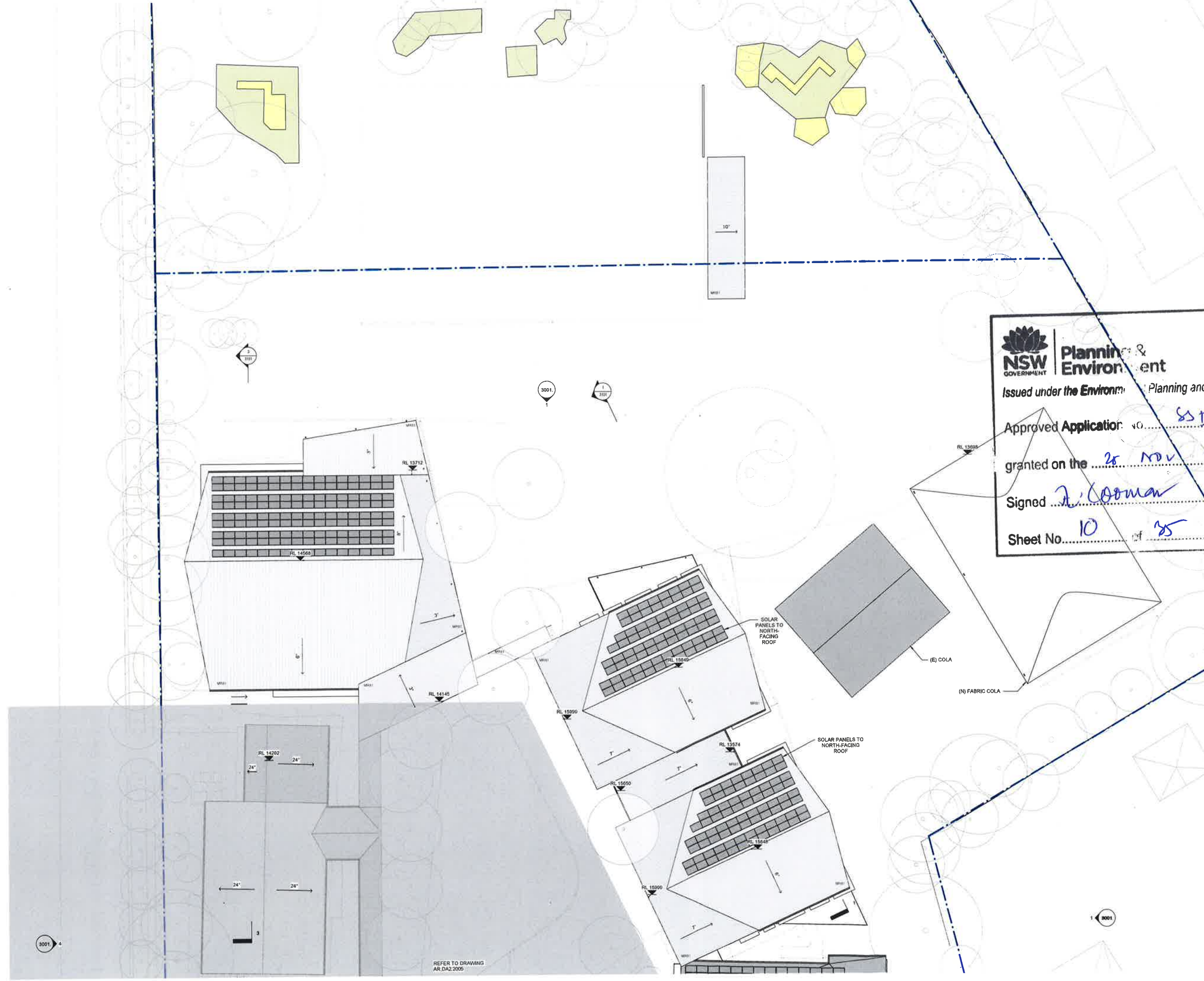
Drawing Title
(N) ROOF PLAN NORTH

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author

Job No. 161029 Date Aug 17 Scale 1:200 @ B1

Drawing No. AR.DA2.2006 Revision A

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REFER TO DRAWING
AR.DA2.2005



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Approved Application No. SSD 8310

granted on the 28 NOV 2015

Signed [Signature]

Sheet No. 11 of 35

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Context	T + 61 2 9244 6900
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HYDRAULIC CONSULTANT	AJ Whipp Consulting Group
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ACOUSTIC CONSULTANT	Wilkinson Murray
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NCC/BCA & ACCESS CONSULTANT	Design Confidence
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TRAFFIC CONSULTANT	Trafix
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GROSS FLOOR AREA (GFA)
means the sum of the floor area of each floor of a building measured from the internal face of external walls, or from the internal face of walls separating the building from any other building, measured at a height of 1.4 metres above the floor and includes:

- (a) the area of a mezzanine, and
- (b) habitable rooms in a basement or an attic, and
- (c) any shop, auditorium, cinema, and the like, in a basement or attic,

but excludes:

- (d) any area for common vertical circulation, such as lifts and stairs, and
- (e) any basement:
- (f) storage, and
- (g) vehicular access, loading areas, garbage and services, and
- (h) plant rooms, lift towers and other areas used exclusively for mechanical services or ducting, and
- (i) car parking to meet any requirements of the consent authority (including access to that car parking), and
- (j) any space used for the loading or unloading of goods (including access to it), and
- (k) terraces and balconies with outer walls less than 1.4 metres high, and
- (l) voids above a floor at the level of a storey or storey above.

Area Schedule (GFA)		
Level	Name	Area
(N) G BLOCK B	GFA	4109.0 m ²
(N) L1 BLOCK B	GFA	2851.3 m ²
Grand total		6960.3 m²

NSW Registered Architects Robert Denton Reg. No. 5782, Alan Kibble Reg. No. 5015.
Do not scale drawings. Verify all dimensions on site. Verify architect of all subcontractors.

Rev	Date	Description	Checked	Auth.
C	29.05.18	Issue for Addition RIS Information	AH	AK
B	14.05.18	RIS Update	RW	AH
A	04.05.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
GFA PLANS

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author
Job No.	Date	Scale
161029	Aug 17	1 : 500 @ B1
Drawing No.	Revision	
AR.DA2.2501	C	

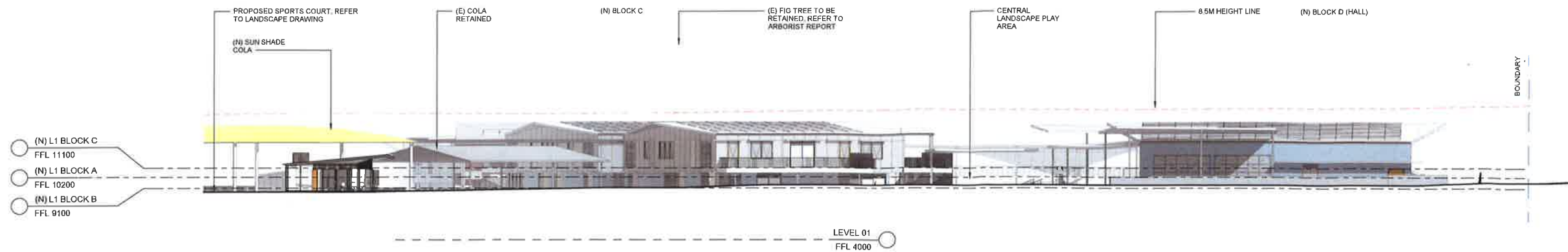
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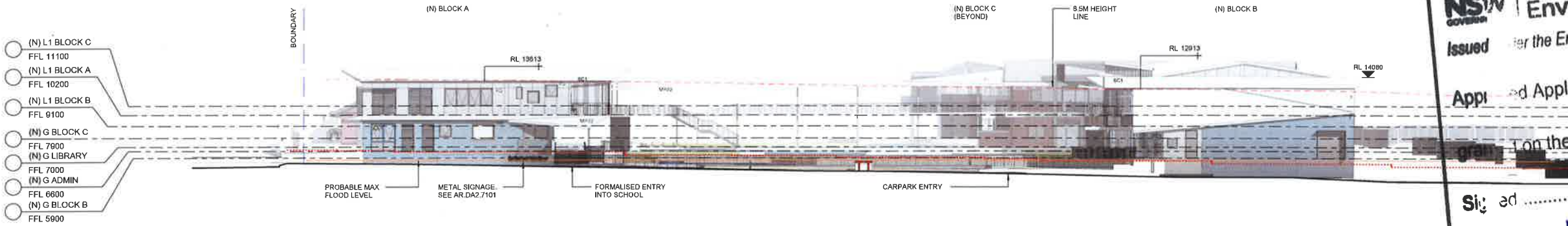
1 (N) GROUND FLOOR (GFA)
1 : 500



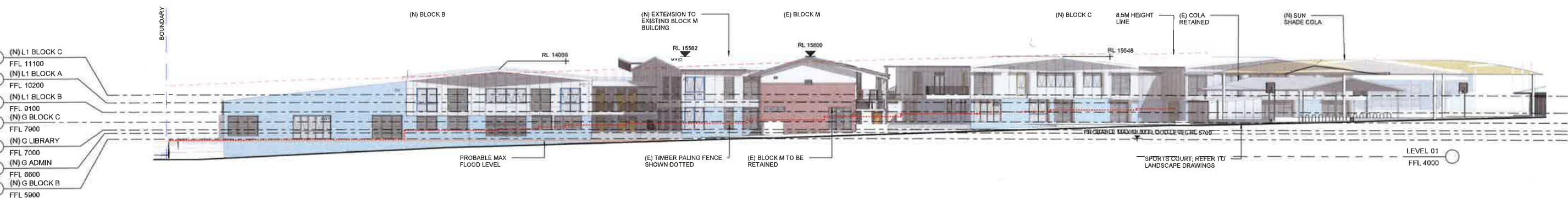
2 (N) LEVEL 01 (GFA)
1 : 500



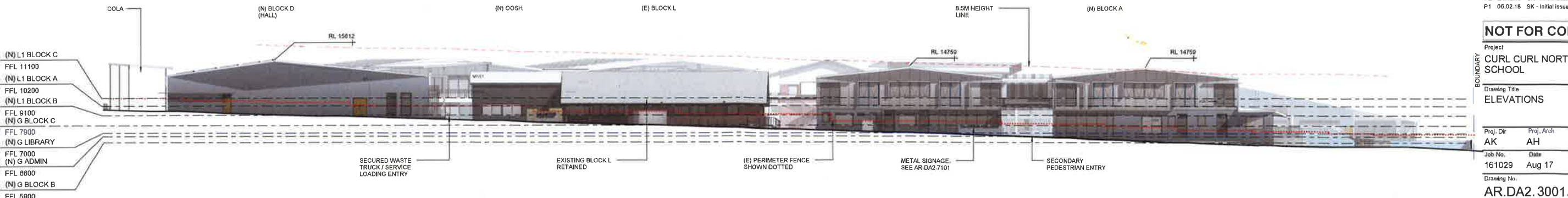
1 (N) NORTH ELEVATION
1 : 200



2 (N) SOUTH ELEVATION
1 : 200



3 (N) EAST ELEVATION
1 : 200



4 (N) WEST ELEVATION
1 : 200

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Applied Application No. 850 820

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Street No. 12 of 25

Tanner Kibble Denton Architects Robert Denton Reg. No. 5762 Alan Kibble Reg. No. 5215
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Rev	Date	Description	Checked	Auth.
A	29.08.18	Issue for Addition RIS Information	AH	AK
P5	18.04.18	SK - Coordination	CR	AH
P4	09.04.18	SK - Coordination	CR	AH
P3	02.03.18	SK - Coordination	RW	AH
P2	24.02.18	SK - Information	RW	AH
P1	06.02.18	SK - Initial issue part 2	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
ELEVATIONS

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author

Job No.	Date	Scale
161029	Aug 17	1 : 200 @ B1

Drawing No. **AR.DA2.3001.** Revision **A**

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1 (N) SECTION 1
1:200

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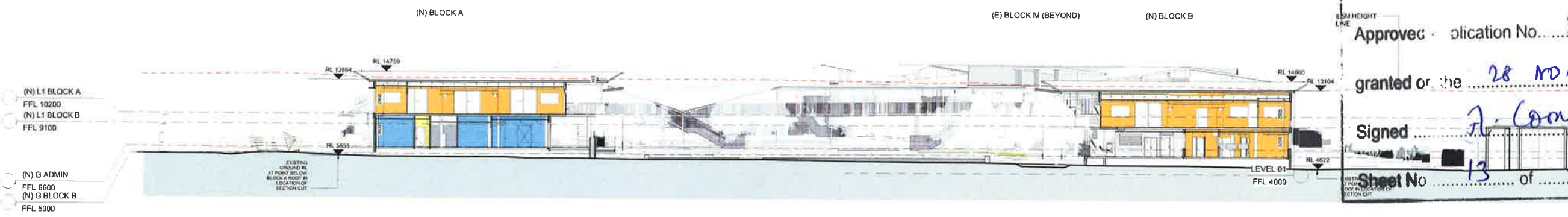
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Signed A. Coonan

Sheet No 13 of 35



2 (N) SECTION 2
1:200

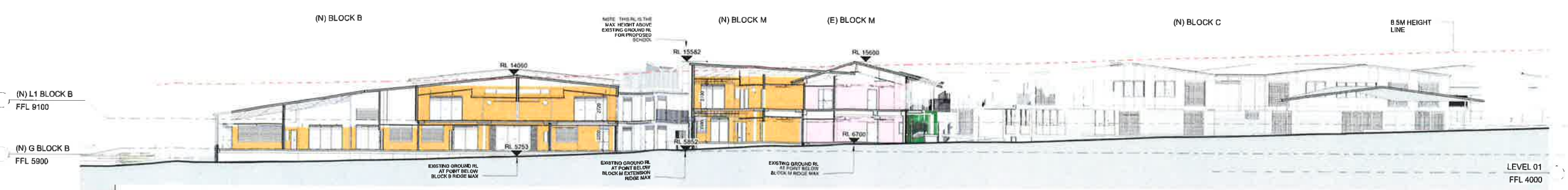


3 (N) SECTION 3
1:200

NSW Numerical Analysis Report (Revision 1.0) - 03/18

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Rev	Date	Description	Checked	Auth
D	08.10.18	Heights Annotated		
C	05.10.18	Clarification for DPE		
B	10.05.18	RtS Update		
A	04.05.18	RtS		



4 (N) SECTION 4
1:200

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Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
SECTIONS

Proj. Dir	Proj. Arch	Drawn
AK	AH	Author
Job No	Date	Scale
161029	Aug 17	1:200 @ B1
Drawing No	Revision	
AR.DA2.3101.	D	

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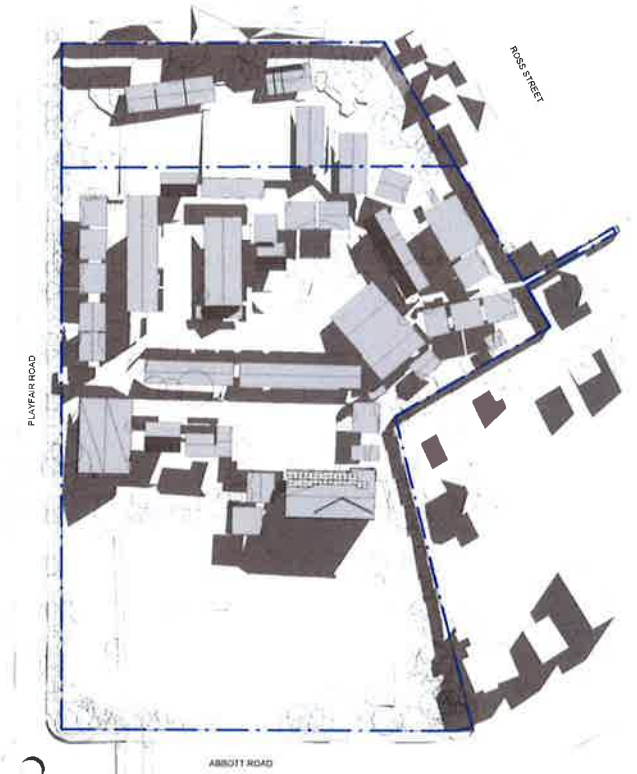
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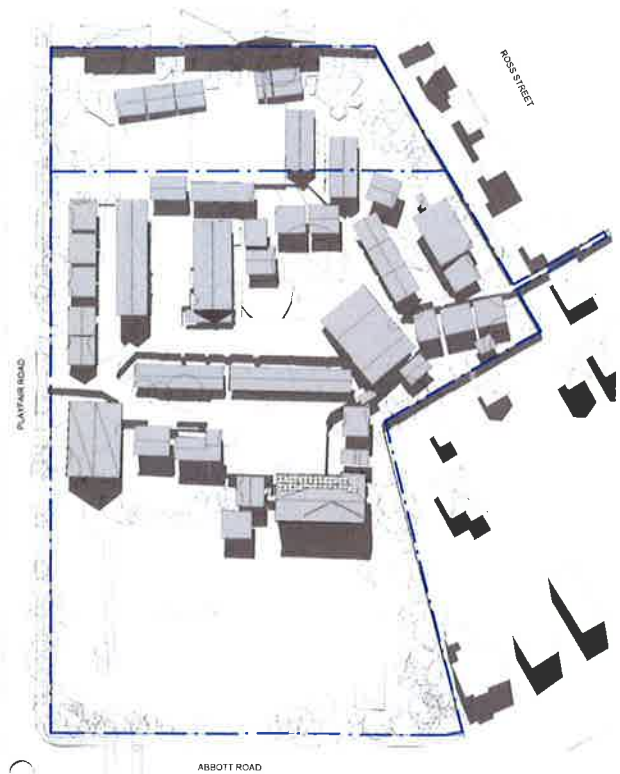
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1 (E) Winter 9am
1 : 1000



2 (E) Winter 12pm
1 : 1000



3 (E) Winter 3pm
1 : 1000

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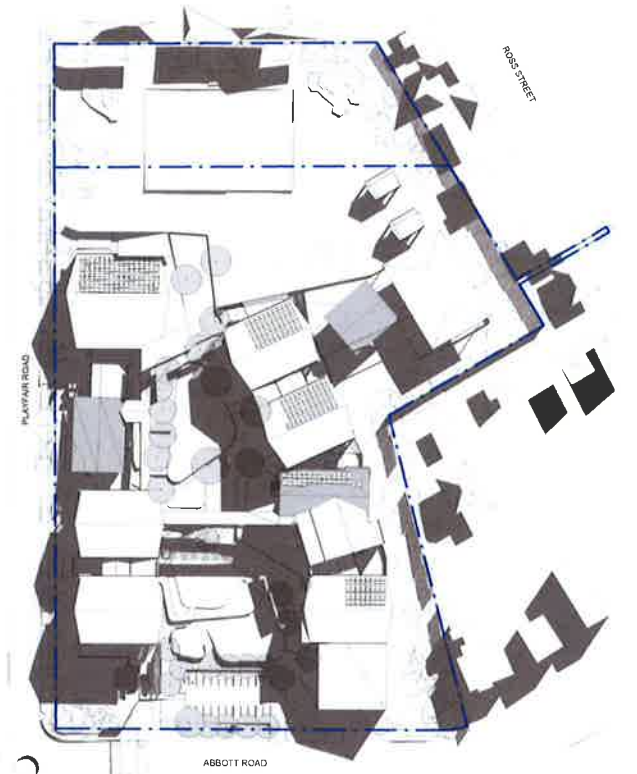
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Approval No. SSD 8310

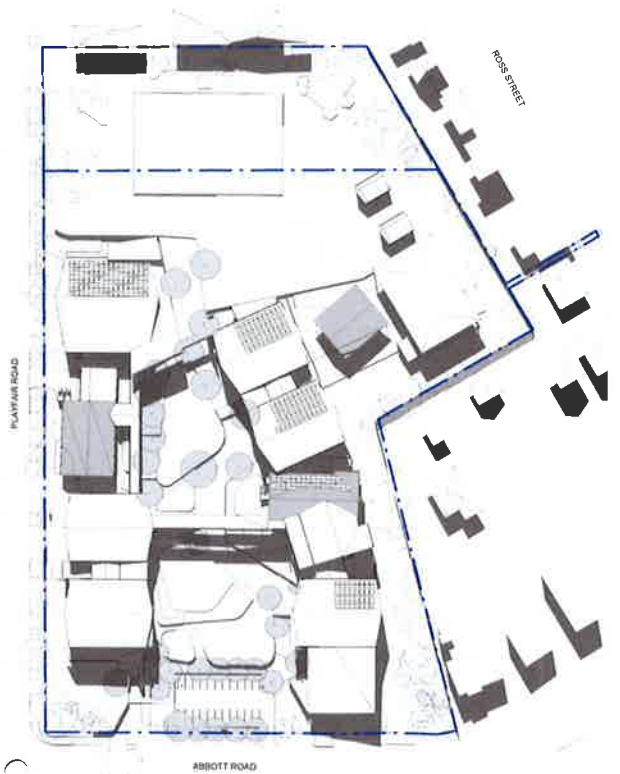
granted on the 28 NOV 2018

Signed A. Coonan

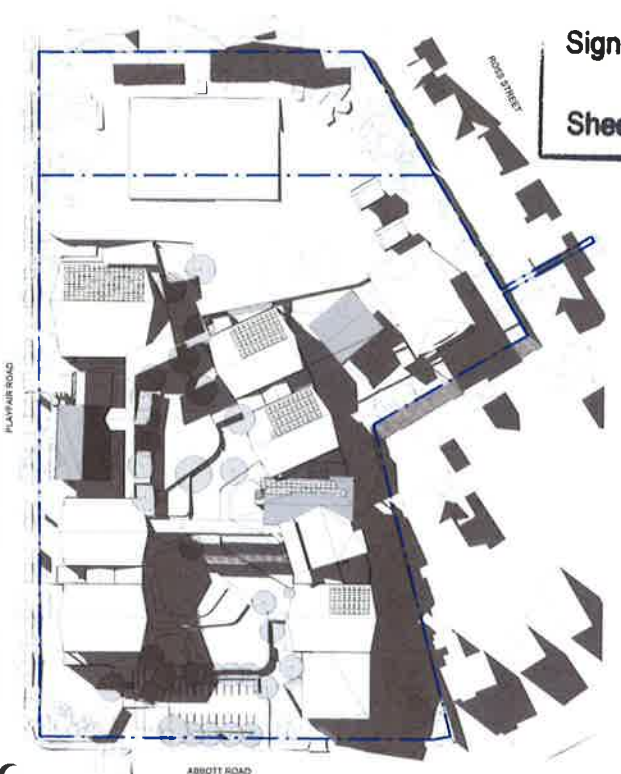
Sheet No. 14 of 35



4 (N) Winter 9am
1 : 1000



5 (N) Winter 12pm
1 : 1000



6 (N) Winter 3pm
1 : 1000

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Rev	Date	Description	Checked	Auth.
C	29.08.18	Issue for Addition RIS Information	AH	AK
B	14.05.18	RIS Update	RW	AH
A	04.05.18	RIS	RW	AH

NOT FOR CONSTRUCTION

Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
SHADOW DIAGRAMS

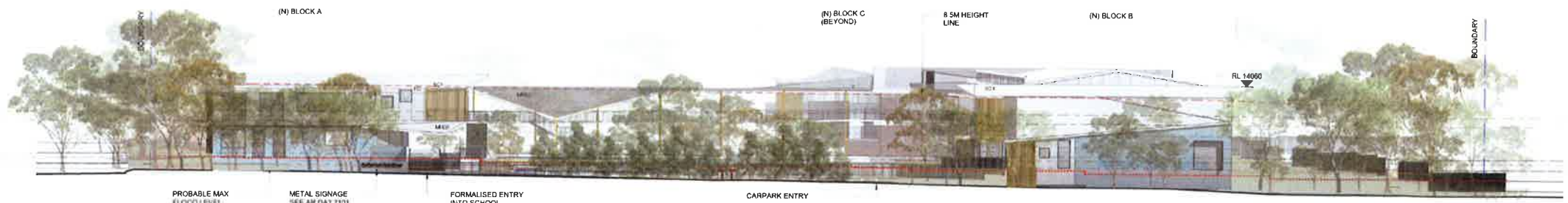
Proj. Dir	Proj. Arch	Drawn
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Job No. 161029 Date Aug 17 Scale 1 : 1000 @ B1

Drawing No. AR.DA2.7001 Revision C

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- (N) L1 BLOCK C
FFL 11100
- (N) L1 BLOCK A
FFL 10200
- (N) L1 BLOCK B
FFL 9100
- (N) G BLOCK C
FFL 7900
- (N) G LIBRARY
FFL 7000
- (N) G ADMIN
FFL 6600
- (N) G BLOCK B
FFL 5900



1 SOUTH ELEVATION
1:200



MRS1 / MWS1
METAL ROOF / WALL SHEET



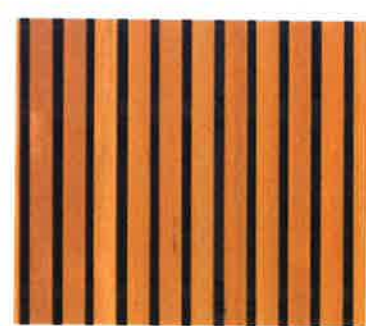
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PREFINISHED FIBRE CEMENT SHEET



AW1
ALUMINIUM WINDOW



AW2
COLOURED CLADDING OVER FRAME



SC1
VERTICAL BLADE SCREEN



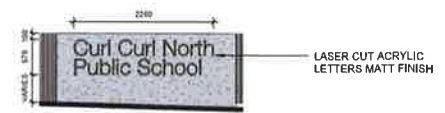
BK
BRICK



2 (N) SIGN 01 ABBOTT ROAD
1:50



3 (N) SIGN 02 PLAYFAIR ROAD
1:50



4 SIGN 03 & 04 PLAYFAIR + ABBOTT ROAD
1:50

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B	29.08.18	Issue for Addition RIS Information	AH	AK
A	04.05.18	RIS	RW	AH

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Project
CURL CURL NORTH PUBLIC SCHOOL

Drawing Title
EXTERNAL MATERIALS & SIGNAGE

Proj. Dir.	Proj. Arch.	Drawn
AK	AH	Author
Job No.	Date	Scale
161029	Aug 17	1:50 @ B1
Drawing No.	Revision	
AR.DA2.7101	B	

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3D VIEW - AERIAL FROM ABBOTT ROAD



3D VIEW - FROM PLAYFAIR ROAD

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Designed by A. Loomar

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NSW Registered Architects: Robert Denton Reg. No. 5782, Alex Kibble Reg. No. 6015			
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Rev	Date	Description	Checked Auth.
B	29.08.18	Issue for Addition RIS Information	AH AK
A	04.05.18	RIS	RW AH

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Project
CURL CURL NORTH PUBLIC SCHOOL

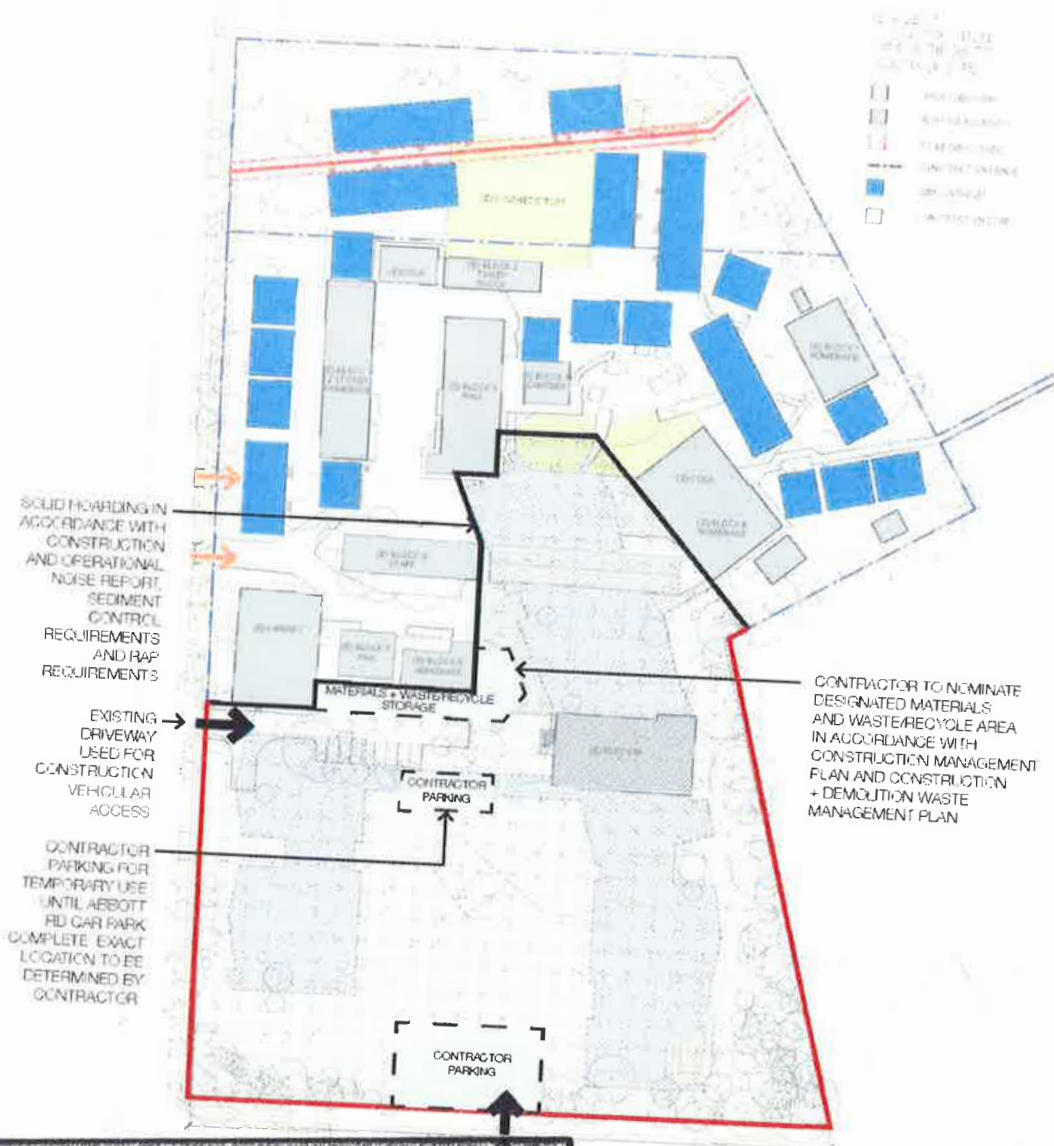
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3D PERSPECTIVES

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AK	AH	Author
Job No.	Date	Scale
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Drawing No.	Revision	
AR.DA2. 7201	B	

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Fixed and loose furniture will be installed, and all plant items in Stage 1 commissioned.
 The school will be relocated to occupy the Stage 1 buildings, to allow Stage 2 works to commence.



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Figure 4 Stage 1 Construction Plan Diagram. CONCEPT ONLY - Contractor to prepare final plan

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Tanner Kibble Denton Architects

Sheet No. 17 of 35

May 2018 • Issue E

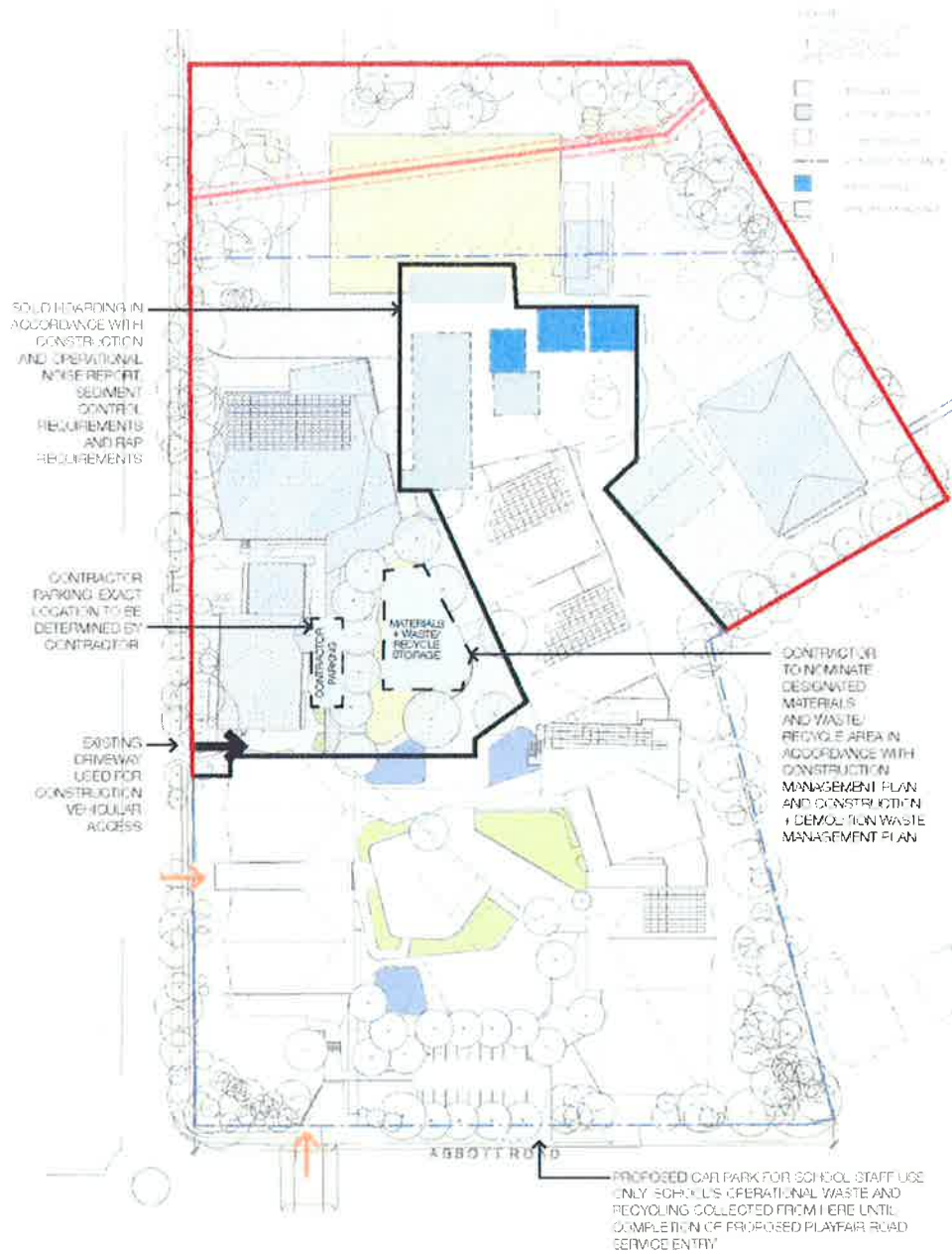


Figure 5 Stage 2 Construction Site Diagram. CONCEPT ONLY - Contractor to prepare final plan

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 1.6.5 Stage 3 works
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 Site preparation for Stage 3 works. The site fence is to be established around the existing hall, canteen, north toilets and remaining demountables (refer to Figure 6). Sediment control measures, footings, services trenching and services connections etc. Remediation works in line with the RAP
 Approved Application No. 851/15/210
 granted on the 28 NOV 2015
 Signed A. Coomars
 Sheet No. 18 of 35

Demolition of the existing hall, canteen, toilets and 2 x remaining demountables. Note: The school will continue to operate in the recently completed buildings throughout Stage 3 works.

Completion of civil and landscape works.



Figure 6 Stage 3 Construction Site Demolition and Demountables - Contractor to prepare final plan



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1.7 Hours of Operation and Programme

The proposed working hours for this project are as follows:

granted on the

Monday to Friday – 7.00am to 6.00pm

Signed

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18 Nov 2018

J. Cooman

CURL CURL NORTH PUBLIC SCHOOL

SSDA



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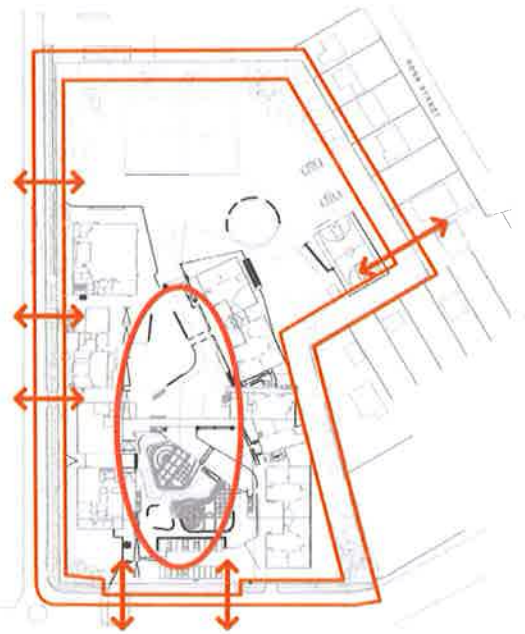
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A	DRAFT SSDA	19/04/18	SA	ISSUE/1	MD	SSDA	A3
B	SSDA	4/5/18					
C	SSDA	15/6/18					
D	SSDA AUTHORITY COMMENTS	17/6/18					
PROJECT NUMBER			DRAWING NUMBER		ISSUE		
16573			L001		D		

LANDSCAPE PRINCIPLES

The design of Curl Curl North Public School comprises of the following landscape principles;

1.

STREETSCAPE AND CIRCULATION

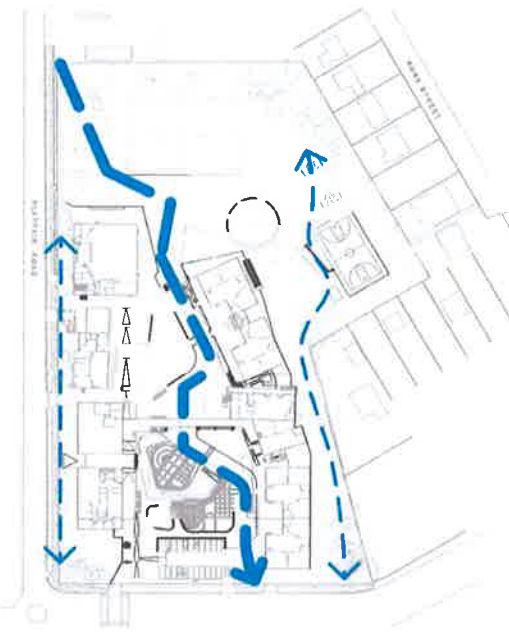


1) Streetscape and Circulations

- Ensure a sense of arrival at the main entries.
- Universal access will be provided throughout the school to adhere to DDA compliance.
- Reinstate endemic vegetation species to street frontages.
- Climate control to building facades through the use of screen planting.
- Incorporate signage to assist with access and wayfinding.

2.

SITE DRAINAGE AND FLOOD MITIGATION

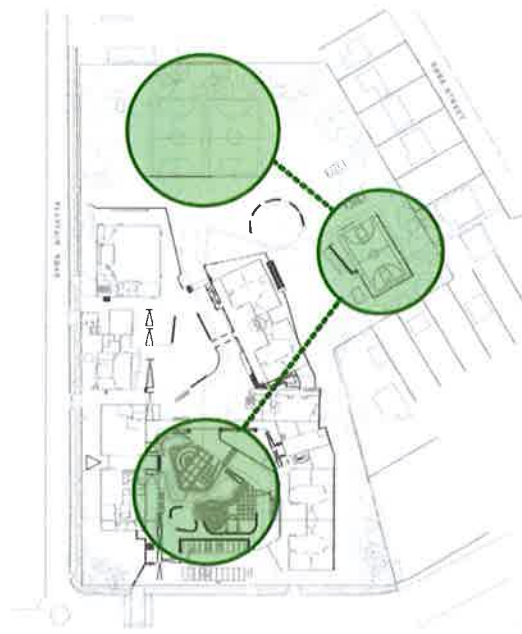


2) Site Drainage and Flood Mitigation

- Implement landscape strategy to assist in the 1 in 100 year flood scenario.
- Proposed vegetated swale with rock boulders and endemic planting incorporated within the centre of the school.
- Interpretative and playful steel mesh crossings and stepping stones along swale.
- Land contouring to the east and west of the site to ensure overland flow.

3.

ACTIVE PLAY



3) Active and Passive Play

- An active sports zone has been proposed to the south of the school, with two split level concrete terraces painted with formal and informal games. The terraces are joined with mounded synthetic turf allowing a playful connection that the kids can run down.
- Two synthetic turf futsal courts have been proposed to the north of the site to encourage prescribed active play.
- A multi-court has been allowed to engage students in team sports education and physical activity.
- Existing playground equipment to site boundaries to be retained and protected.

4.

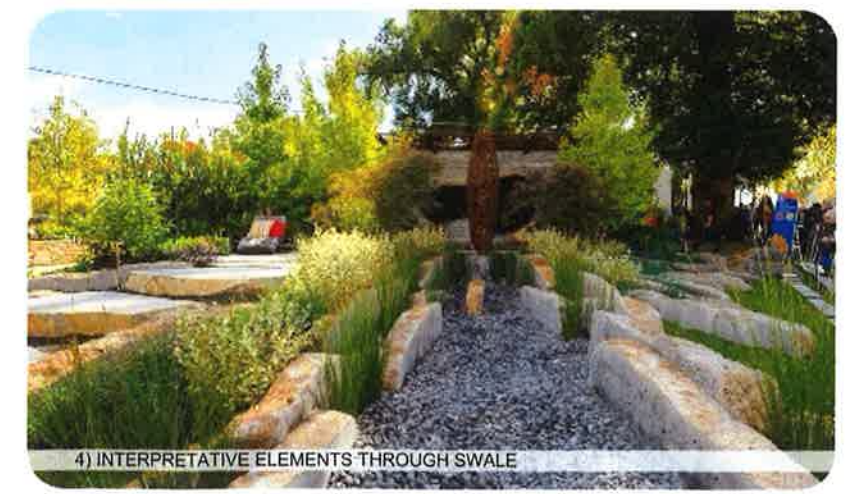
LEARN AND GATHER



4) Learn and Gather

- A large synthetic turf lawn has been proposed to the centre of the school to facilitate outdoor assemblies, learning and passive play.
- The mature existing Fig Tree, centrally located to the top of the site is a celebrated focal point of the landscape, with sandstone seating blocks positioned along the perimeter for passive learning.
- Productive/sensory gardens are proposed adjacent to the sports court allowing for practical learning through agricultural processes.
- All outdoor classrooms are integrated with internal classroom homebases providing a smooth indoor/outdoor transition and providing opportunities to learn and play.
- Quiet areas for gathering and learning are provided throughout the central play area with appropriate furniture proposed for group and individual learning.

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ISSUE for the Environmental Planning and Assessment Act 1979

Application No. 850 870

Date of Application 28 NOV 2018

Prepared by A. Cornean

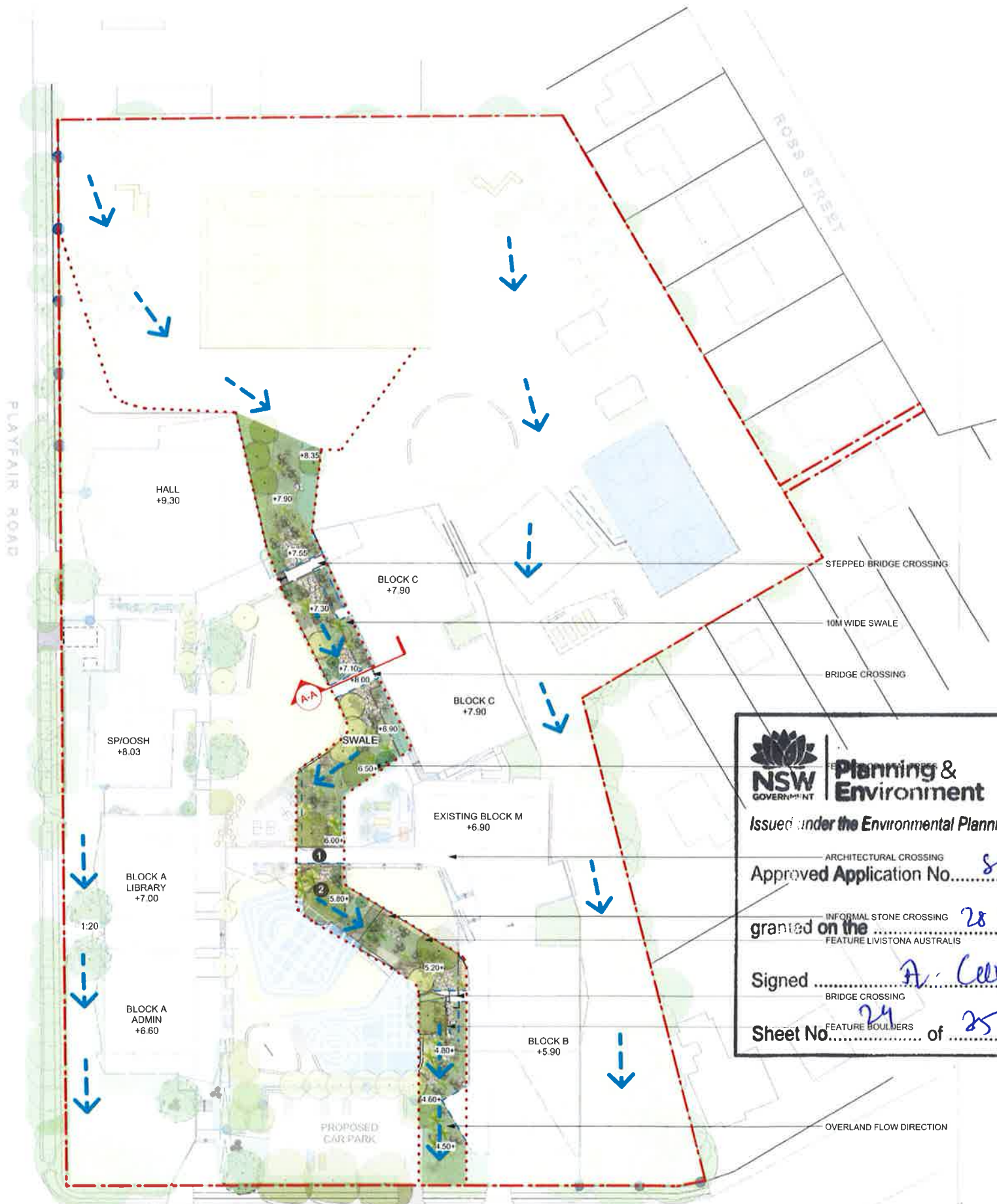
Page 22 of 35



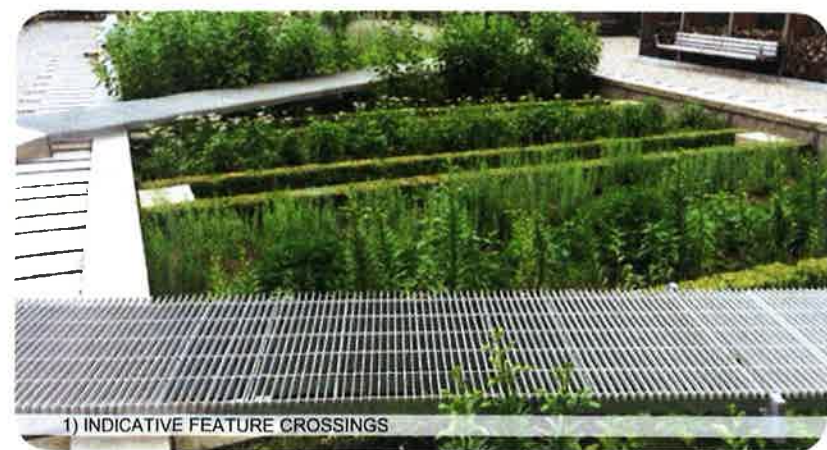
- LEGEND**
- SITE BOUNDARY
 - PROPOSED TREES
 - PALM TREES
 - FEATURE SHRUBS
 - EXISTING TREES
 - BROOM FINISHED CONCRETE
 - PAINTED BROOM FINISHED CONCRETE
 - PERMEABLE PAVING
 - SYNTHETIC TURF
 - SOFT FALL
 - PLAY MULCH
 - MASS PLANTING
 - TURF
 - SANDSTONE BLOCK WALLS
 - CONCRETE SEATING WALL - 350mm HIGH
 - ENGINEERED WALLS 200MM WIDE
 - BALUSTRADE
 - BOULDERS
 - STEEL MESH PLAY CROSSINGS
 - BATTER LINES



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- LEGEND**
- SITE BOUNDARY
 - PROPOSED TREES
 - PALM TREES
 - FEATURE SHRUBS
 - EXISTING TREES
 - BROOM FINISHED CONCRETE
 - PAINTED BROOM FINISHED CONCRETE
 - PERMEABLE PAVING
 - SYNTHETIC TURF
 - SOFT FALL
 - PLAY MULCH
 - MASS PLANTING
 - TURF
 - SANDSTONE BLOCK WALLS
 - CONCRETE SEATING WALL - 350mm HIGH
 - ENGINEERED WALLS 200MM WIDE
 - BALUSTRADE
 - BOULDERS
 - STEEL MESH PLAY CROSSINGS
 - BATTER LINES



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ARCHITECTURAL CROSSING Approved Application No. SSD 810

granted on the 28 NOV 2018

Signed A. Celona

Sheet No. 24 of 25



1 SECTION AA - TYPICAL SWALE SECTION WITH SECONDARY CROSSING
 Scale: 1:50



- LEGEND**
- SITE BOUNDARY
 - PROPOSED TREES
 - PALM TREES
 - FEATURE SHRUBS
 - EXISTING TREES
 - BROOM FINISHED CONCRETE
 - PAINTED BROOM FINISHED CONCRETE
 - PERMEABLE PAVING
 - SYNTHETIC TURF
 - SOFT FALL
 - PLAY MULCH
 - MASS PLANTING
 - TURF
 - SANDSTONE BLOCK WALLS
 - CONCRETE SEATING WALL - 350MM HIGH
 - ENGINEERED WALLS 200MM WIDE
 - BALUSTRADE
 - BOULDERS
 - STEEL MESH PLAY CROSSINGS
 - BATTER LINES



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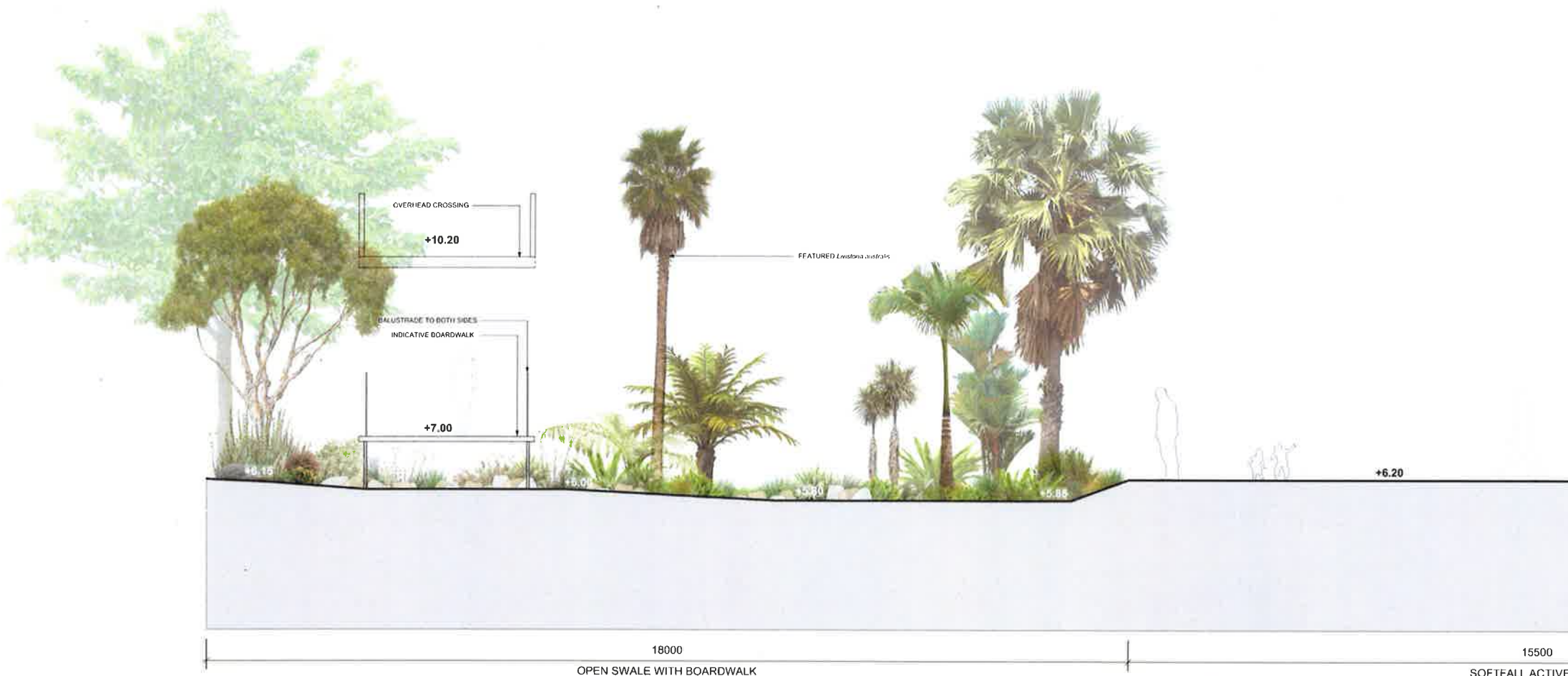
Application No: **850 8210**


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Signed: **A. Connor**

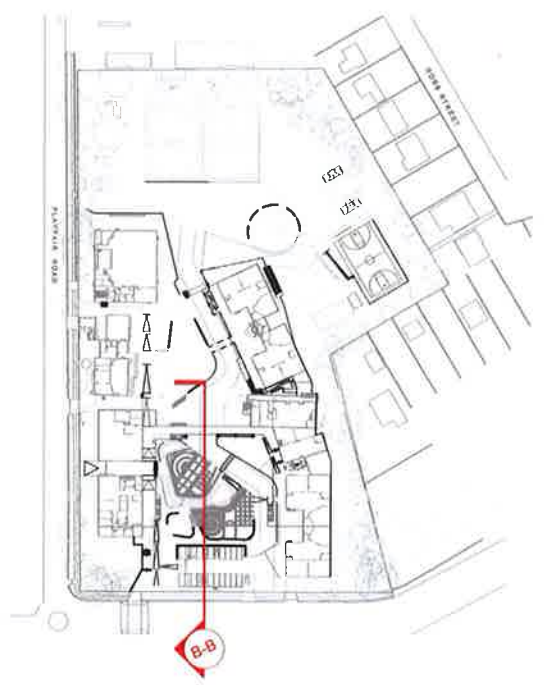
Sheet No. **15** of **35**

AMPHITHEATRE SEATING STEPS
SUNKEN LEARNING LAWN
SLOPED SYNTHETIC TURF 1:15
RAMP 1:14
SYNTHETIC TURF MOUND TO OVERCOME LEVEL CHANGE
ACTIVE PLAY CONCRETE WITH LINE MARKINGS




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1 SECTION B-B : SITE SECTION
Scale: 1:50



2 CONTINUED : SECTION B-B - SITE SECTION
Scale: 1:50

Code	Botanical Name	Common Name	Mature H x W (m)	Installation Pot Size	Density	Quantity
TREE PLANTING						
ALLfla	<i>Alloxylon flameum</i>	Tree Waratah	30.0 x 10.0	200L	As shown	8
ANGhis	<i>Angophora hispida</i>	Dwarf Apple	7.0 x 3.0	100L	As shown	2
ANGcos	<i>Angophora costata</i>	Rusty Gum	20.0 x 6.0	200L	As shown	5
BANint	<i>Banksia integrifolia</i>	Coast Banksia	10.0 x 5.0	200L	As shown	6
BANser	<i>Banksia serrata</i>	Old man Banksia	15.0 x 4.0	200L	As shown	2
CUPana	<i>Cupaniopsis anarcardioides</i>	Tuckeroc	15.0 x 5.0	200L	As shown	6
CYAcoc	<i>Cyathea cooperi</i>	Australian Tree Fern	15.0 x 4.0	75L	As shown	41
ELAret	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	10.0 x 6.0	200L	As shown	3
EUCbot	<i>Eucalyptus botryoides</i>	Mahogany gum	20.0 x 7.0	200L	As shown	3
EUCChae	<i>Eucalyptus haemastoma</i>	Scribbly gum	35.0 x 12.0	200L	As shown	1
EUCpan	<i>Eucalyptus paniculata</i>	Grey Ironbark	30.0 x 15.0	200L	As shown	3
EUCcrac	<i>Eucalyptus racemosa</i>	Snappy Gum	25.0 x 10.0	200L	As shown	3
EUCrob	<i>Eucalyptus robusta</i>	Swamp Mahogany	18.0 x 12.0	200L	As shown	4
GLOfer	<i>Glochidion ferdinandi</i>	Cheese Tree	8.0 x 5.0	200L	As shown	1
HYMfla	<i>Hymenosporum</i>	Native Frangipan	15.0 x 7.0	200L	As shown	8
LIVaus	<i>Livistona australis</i>	Cabbage Tree	25.0 x 5.0	Trunk Min. 1.5m	As shown	42
MELeri	<i>Melaleuca ericifolia</i>	Swamp paperbark	15.0 x 8.0	200L	As shown	2
MELsty	<i>Melaleuca styphelioides</i>	Prickly Paperbark	10.0 x 3.0	200L	As shown	4
MELqui	<i>Melaleuca quinquenervia</i>	Broad-leaved paperbark	10.0 x 7.0	200L	As shown	4
STESin	<i>Stenocarpus sinuatus</i>	Fire Wheel Tree	20.0 x 5.0	200L	As shown	7
TRlrau	<i>Tristania laurina 'Luscious'</i>	Water Gum	8.0 x 3.0	100L	As shown	2
XANAus	<i>Xanthorrhoea australis</i>	Grass tree	2.0 x 1.0	Trunk Min. 1.0m	As shown	9
Total						166

Botanical Name	Common Name	Mature H x W (m)	Installation Pot Size	Density	Indicative Ratio	Quantity
ZONE 1 - STREETScape AND ENTRIES + CAR PARK						
Area (m2) = 830						
Groundcovers, Grasses & Perennials						
<i>Actinotus helianthi</i>	Flannel Flower	1.2 x 0.5	140mm	4m ²	3%	100
<i>Carex appressa</i>	Tall Sedge	0.5 x 0.6	140mm	4m ²	5%	166
<i>Dianella caerulea</i>	Blue Flax Lily	0.8 x 0.8	140mm	4m ²	5%	166
<i>Lomandra confertifolia 'Wingarra'</i>	Mal Rush	0.3 x 0.4	75mm	6m ²	10%	498
<i>Lomandra longifolia 'Tanika'</i>	Lomandra Tanika	1.2 x 1.5	140mm	3m ²	10%	249
<i>Lomandra longifolia</i>	Mat rush	1.0 x 1.0	140mm	4m ²	8%	266
<i>Lomandra longifolia 'Verday'</i>	Spiny-head Mat-Rush	0.6 x 0.6	140mm	4m ²	8%	266
<i>Myoporum parvifolium 'Yareena'</i>	Creeping Boobialla	0.15 x Prostrate	75mm	6m ²	5%	249
<i>Microlaena stipoides var. stipoides</i>	Weeping Grass	0.5 x 0.5	75mm	6m ²	5%	249
<i>Poa labillardieri</i>	Tussock Grass	1.0 x 0.5	75mm	6m ²	5%	249
<i>Themeda australis</i>	Kangaroo Grass	1.0 x 0.5	75mm	6m ²	5%	249
Shrubs						
<i>Adenanthos sericeus 'Silver Streak'</i>	Silver Woolly Bush	2.0 x 1.5	200mm	1m ²	3%	25
<i>Baeckea virgata 'Nana'</i>	Dwarf Baeckea	1.0 x 1.0	200mm	1m ²	3%	25
<i>Baeckea imbricata</i>	Heath Myrtle	1.0 x 1.0	200mm	1m ²	3%	25
<i>Banksia ericifolia 'Bullii Baby'</i>	Heath Banksia	0.6 x 0.5m	200mm	3m ²	3%	75
<i>Banksia oblongifolia</i>	Fern Leaf Banksia	2.0 x 1.5	200mm	1m ²	5%	42
<i>Dodonaea viscosa</i>	Hop Bush	3.0 x 3.0	300mm	As Shown	3%	12
<i>Rhagodia spinescens 'Aussie Flat Bush'</i>	Fiat Bush	0.5 x 1.0	200mm	1m ²	5%	42
<i>Pimelea linifolia</i>	Slender Rice Flower	1.5 x Prostrate	200mm	1m ²	3%	25
<i>Westringia fruticosa 'Grey Box'</i>	Coastal Rosemary	1.0 x 1.0	200mm	2m ²	3%	50
Total						3025

Botanical Name	Common Name	Mature H x W (m)	Installation Pot Size	Density	Indicative Ratio	Quantity
ZONE 2 - PLAY - CENTRAL PLAY GROUND AND BUSH PLAY						
Area (m2) = 457						
Groundcovers, Grasses & Perennials						
<i>Actinotus helianthi</i>	Flannel Flower	1.2 x 0.5	140mm	4m ²	3%	55
<i>Blechnum nudum</i>	Fishbone Water Fern	1.0 x 1.0	140mm	4m ²	5%	91
<i>Cissus antarctica</i>	Kangaroo Vine	Prostrate x 3.0	140mm	2m ²	2%	18
<i>Doodia aspera</i>	Prickly Rasp Fern	0.3 x 0.3	140mm	6m ²	5%	137
<i>Dianella caerulea</i>	Blue Flax Lily	0.8 x 0.8	140mm	4m ²	3%	55
<i>Eremophila glabra 'Blue Horizon'</i>	Prostrate Tar Bush	0.3 x 2.0	75mm	6m ²	5%	137
<i>Lomandra confertifolia 'Wingarra'</i>	Mat Rush	0.3 x 0.4	75mm	6m ²	10%	274
<i>Lomandra longifolia 'Tanika'</i>	Lomandra Tanika	1.2 x 1.5	140mm	3m ²	6%	82
<i>Lomandra longifolia 'Verday'</i>	Basket Grass	0.6 x 0.6	140mm	4m ²	8%	146
<i>Myoporum parvifolium 'Yareena'</i>	Creeping Boobialla	0.15 x Prostrate	75mm	6m ²	5%	137
<i>Scaevola ramosissima</i>	Snake Flower	0.4 x Prostrate	75mm	6m ²	3%	82
<i>Sticherus flabellatus</i>	Umbrella Fern	0.7 x Prostrate	140mm	4m ²	2%	37
<i>Themeda australis</i>	Kangaroo Grass	1.5 x 0.5	140mm	4m ²	3%	55
Shrubs						
<i>Baeckea virgata 'Nana'</i>	Dwarf Baeckea	1.0 x 1.0	200mm	1m ²	5%	23
<i>Banksia marginata Dwarf</i>	Silver Banksia	2.0 x 2.0	200mm	1m ²	3%	14
<i>Banksia spinulosa</i>	Hairpin Banksia	2.0 x 2.0	200mm	1m ²	3%	14
<i>Doryanthes excelsa</i>	Gymea Lily	4.0 x 3.0	300mm	As Shown	2%	5
<i>Epacris microphylla</i>	NSW Coral Heath	1.0 x 0.8	200mm	2m ²	3%	27
<i>Grevillea buxifolia</i>	Grey Spider Flower	1.5 x 1.5	200mm	1m ²	3%	14
<i>Hakea nodosa</i>	Yellow Hakea	2.0 x 3.0	300mm	As Shown	2%	5
<i>Melaleuca hypericifolia</i>	Hillock Honey Myrtle	2.5 x 2.5	200mm	1m ²	3%	14
<i>Melaleuca thymifolia</i>	Thyme Honey Myrtle	1.2 x 2.0	200mm	1m ²	3%	14
<i>Melaleuca thymifolia 'White Lace'</i>	Honey Myrtle	1.2 x 2.0	200mm	1m ²	3%	14
<i>Rhagodia spinescens</i>	Creeping Saltbush	1.0 x 3.0	300mm	As Shown	2%	5
<i>Rhagodia spinescens 'Aussie Flat Bush'</i>	Aussie Flat Bush	0.5 x 1.0	200mm	1m ²	5%	23
<i>Westringia fruticosa 'Low Horizon'</i>	Coastal Rosemary	0.3 x 0.7	200mm	2m ²	3%	27
Total						1504

NOTE:
All plants have been selected in relation to the Department of Education guidelines. The selected plants are low water use, low allergen rating, high drought tolerance and low maintenance. The selected plants will provide the school with microclimates that are adaptable through the seasons. All plants have been selected to work in harmony and enhance the plant species endemic to the local area.

ZONE 3 - PASSIVE OUTDOOR SPACES						
Area (m2) = 790						
Groundcovers, Grasses & Perennials						
<i>Actinotus helianthi</i>	Flannel Flower	1.2 x 0.5	140mm	4m ²	2%	63
<i>Blechnum nudum</i>	Fishbone Fern	0.7 x 0.7	140mm	4m ²	3%	95
<i>Carpobrotus glaucescens</i>	Plg Face	0.2 x 2.0	140mm	3m ²	2%	47
<i>Dianella caerulea</i>	Blue Flax Lily	0.8 x 0.8	140mm	4m ²	2%	63
<i>Ficinia nodosa</i>	Knobby Club rush	0.5 x 0.5	140mm	6m ²	3%	142
<i>Helmholtzia glaberrima</i>	Stream Lily	1.5 x 1.5	200mm	2m ²	3%	12
<i>Hibbertia scandens</i>	Guinea Flower	0.5 x 2.0	140mm	2m ²	5%	79
<i>Lomandra confertifolia 'Wingarra'</i>	Mat Rush	0.3 x 0.4	75mm	6m ²	5%	237
<i>Lomandra longifolia 'Tanika'</i>	Lomandra Tanika	1.2 x 1.5	140mm	3m ²	3%	71
<i>Lomandra longifolia</i>	Mat rush	1.0 x 1.0	140mm	4m ²	5%	198
<i>Lomandra longifolia 'Verday'</i>	Spiny-head Mat-Rush	0.6 x 0.6	140mm	6m ²	8%	379
<i>Myoporum parvifolium 'Yareena'</i>	Creeping Boobialla	0.15 x Prostrate	75mm	6m ²	5%	237
<i>Patersonia sericea</i>	Silky Purple Flag	0.3 x 0.5	140mm	6m ²	5%	198
<i>Pelargonium australe</i>	Coastal Geranium	0.7 x 1.5	140mm	3m ²	3%	71
<i>Scaevola ramosissima</i>	Snake Flower	0.4 x Prostrate	75mm	6m ²	3%	142
Shrubs						
<i>Alpinia caerulea</i>	Native Ginger	2.5 x 2.0	200mm	1m ²	3%	24
<i>Banksia ericifolia 'Bullii Baby'</i>	Heath Banksia	1.0 x 1.0	200mm	1m ²	3%	24
<i>Banksia spinulosa 'Birthday Candles'</i>	Banksia Birthday Candles	0.6 x 1.0	140mm	1m ²	3%	12
<i>Calyx tetragona</i>	Fringe Myrtle	1.0 x 1.0	200mm	1m ²	2%	16
<i>Callistemon 'Better John'</i>	Bottlebrush	1.0 x 1.0	200mm	1m ²	3%	24
<i>Dodonaea viscosa</i>	Hop Bush	3.0 x 3.0	300mm	As Shown	3%	12
<i>Grevillea buxifolia</i>	Grey Spider Flower	1.5 x 1.5	200mm	1m ²	3%	24
<i>Grevillea linearifolia</i>	White Spider Flower	3.0 x 2.0	200mm	1m ²	2%	16
<i>Hakea sericea</i>	Silky Hakea	3.0 x 2.0	200mm	1m ²	2%	16
<i>Leptospermum 'Foreshore'</i>	Tea Tree	0.5 x 1.0	200mm	1m ²	3%	24
<i>Lomatia silaifolia</i>	Parsley Fern	1.2 x 1.5	200mm	1m ²	2%	16
<i>Petrophile pulchella</i>	Coneslicks	3.0 x 2.0	200mm	1m ²	2%	8
<i>Rhagodia spinescens 'Aussie Flat Bush'</i>	Fiat Bush	0.5 x 1.0	200mm	1m ²	5%	40
<i>Ricinocarpus pinifolius</i>	Wedding Bush	1.5 x 1.5	200mm	1m ²	2%	16
<i>Melaleuca thymifolia</i>	Thyme Honey Myrtle	1.2 x 2.0	200mm	1m ²	1%	8
<i>Melaleuca hypericifolia</i>	Hillock Honey Myrtle	2.5 x 2.5	200mm	1m ²	1%	8
<i>Westringia fruticosa 'Grey Box'</i>	Coastal Rosemary	0.3 x 0.7	200mm	1m ²	3%	24
Total						2342

ZONE 4 - ACTIVE OUTDOOR SPACES						
Area (m2) = 542						
Groundcovers, Grasses & Perennials						
<i>Actinotus helianthi</i>	Flannel Flower	1.2 x 0.5	140mm	4m ²	2%	43
<i>Baumea juncea</i>	Jointed Twig Rush	1.5 x 2.5	140mm	3m ²	3%	49
<i>Carex appressa</i>	Tall Sedge	0.5 x 0.6	140mm	6m ²	3%	98
<i>Chrysocephalum apiculatum 'Desert Flame'</i>	Yellow Buttons	0.3 x 0.5	140mm	6m ²	5%	163
<i>Dianella caerulea</i>	Blue Flax Lily	0.8 x 0.8	140mm	4m ²	5%	108
<i>Eremophila glabra 'Blue Horizon'</i>	Prostrate Tar Bush	0.3 x 2.0	75mm	2m ²	8%	67
<i>Ficinia nodosa</i>	Knobby Club rush	0.5 x 0.5	140mm	6m ²	3%	98
<i>Helmholtzia glaberrima</i>	Stream Lily	1.5 x 1.5	200mm	2m ²	1%	11
<i>Hibbertia scandens</i>	Guinea Flower	0.5 x 2.0	140mm	2m ²	8%	67
<i>Lomandra confertifolia 'Wingarra'</i>	Mat Rush	0.3 x 0.4	75mm	6m ²	5%	163
<i>Lomandra longifolia 'Tanika'</i>	Lomandra Tanika	1.2 x 1.5	140mm	4m ²	5%	108
<i>Lomandra longifolia 'Verday'</i>	Basket Grass	0.6 x 0.6	140mm	6m ²	3%	98
<i>Lomandra hystrix 'Katie Belles'</i>	Green Mat-Rush	1.5 x 1.5	140mm	4m ²	5%	108
Shrubs						
<i>Baeckea virgata 'Nana'</i>	Dwarf Baeckea	1.0 x 1.0	200mm	1m ²	5%	27
<i>Banksia ericifolia 'Bullii Baby'</i>	Heath Banksia	1.0 x 1.0	200mm	1m ²	5%	27
<i>Banksia spinulosa</i>	Hairpin Banksia	2.0 x 1.5	200mm	1m ²	3%	16
<i>Banksia spinulosa 'Birthday Candles'</i>	Banksia	1.0 x 1.0	200mm	1m ²	3%	16
<i>Banksia spinulosa 'Coastal Cushion'</i>	Hairpin Banksia	0.8 x 0.5	200mm	1m ²	5%	27
<i>Callistemon 'Better John'</i>	Bottlebrush	1.0 x 1.0	200mm	1m ²	5%	27
<i>Callistemon pallidus 'Candle Glow'</i>	Lemon Bottlebrush	1.0 x 2.0	200mm	1m ²	5%	27
<i>Rhagodia spinescens 'Aussie Flat Bush'</i>	Fiat Bush	0.5 x 1.0	200mm	1m ²	8%	43
<i>Westringia fruticosa 'Smokie'</i>	Coastal Rosemary	1.0 x 1.5	200mm	1m ²	5%	27
Total						1458

ZONE 5 - FEATURE SWALE						
Area (m2) = 1067						
Groundcovers, Grasses & Perennials						
<i>Adiantum hispidulum</i>	Rough Maidenhair	0.45 x 0.3	140mm	6m ²	3%	192
<i>Agapanthus africanus</i>	African Lily	1.0 x 1.2	140mm	2m ²	2%	43
<i>Baumea juncea</i>	Jointed Twig Rush	1.5 x 2.5	140mm	3m ²	3%	96
<i>Calochlaena dubia</i>	Rainbow Fern	0.6 x 0.9	140mm	4m ²	3%	128
<i>Dianella caerulea</i>	Blue Flax Lily	0.8 x 0.8	140mm	4m ²	3%	128
<i>Doodia aspera</i>	Prickly Rasp Fern	0.3 x 0.3	140mm	6m ²	5	



Livistona australis Cabbage Tree Palm
Elaeocarpus reticulatus Blueberry Ash
Eucalyptus robusta Swamp Mahogany
Glochidion ferdinandi Cheese Tree
Melaleuca quinquenervia Broad-leaved Paperbark



Myoporum parvifolium Yareena
Dianella caerulea Blue Flax Lily
Blechnum nudum Fishbone Waterfern
Lomandra longifolia 'Tanika' Lomandra Tanika
Lomandra longifolia 'Verday' Basket Grass



Banksia spinulosa Birthday Candles
Banksia spinulosa Hairpin Banksia
Westringia fruticosa 'Grey Box' Coastal Rosemary
Adenanthos sericeus Silver Streak
Baeckea imbricata Heath Myrtle

- LEGEND
- SITE BOUNDARY
 - EXISTING TREES
 - PROPOSED TREES
 - ZONE 1 - 829,642 m² STREETScape AND ENTRIES + CAR PARK
 - ZONE 2 - 456,716 m² CENTRAL PLAYGROUND AND BUSH PLAY
 - ZONE 3 - 789,696 m² GREEN EDGES
 - ZONE 4 - 542,072 m² ACTIVE OUTDOOR SPACES
 - ZONE 5 - 1066,852 m² FEATURE SWALE

N.S.W. GOVERNMENT Planning & Environment

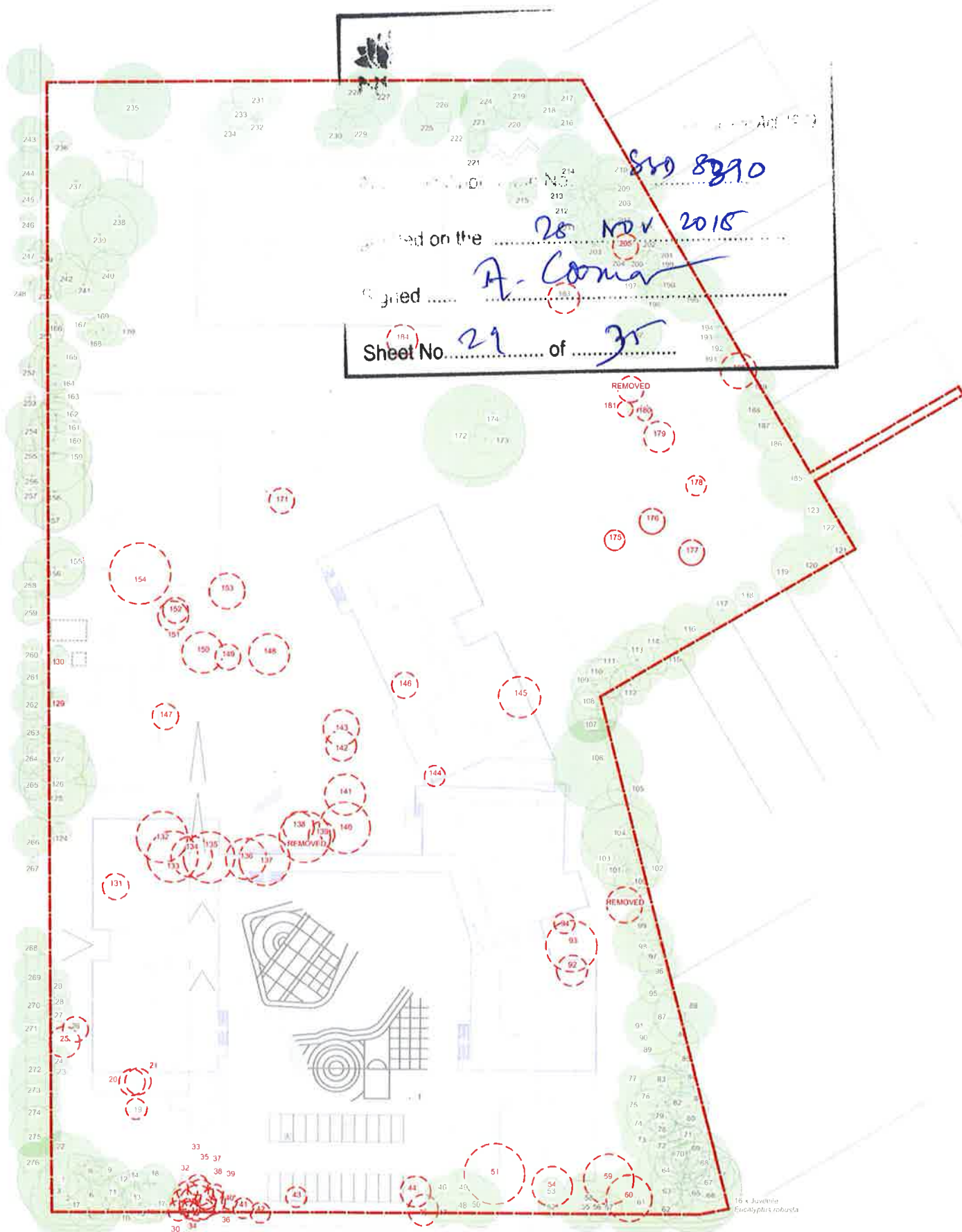
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. 850 8310

granted on the 28 NOV 2014

Signed J. Coonan

Sheet No 28 of 35



Tree No.	Common Name / Genus Species	DBH (mm)	Height (m)	Canopy Spread radius (m)	Age Class	Health / Vitality	Structural Condition	Tree Protection Zone (m)	Structural Root Zone (m)	Estimated Remaining Life Expectancy (ELE)	Landscape and Environmental Significance	Retention Value	Suitable for Retention Within School	Comments	Likely Construction Impacts	Proposed Action
1	Grey Gum, <i>Eucalyptus punctata</i>	890	13	8	M	F	G	10.6	3.3	Medium (10-30 yrs)	2	High	Yes	Recovering from the bore damage from the base	None	Retain
2	Grey Gum, <i>Eucalyptus punctata</i>	800	17	7	M	F	G	9.6	3.0	Medium (10-30 yrs)	2	High	Yes	Recovering from the bore damage from the base	None	Retain
3	Swamp She Oak, <i>Casuarina glauca</i>	220	10	2	EM	G	G	2.6	1.8	Long (30+ yrs)	3	Medium	Yes		None	Retain
4	Bungaly, <i>Eucalyptus banyardii</i>	150	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
5	Grey Gum, <i>Eucalyptus punctata</i>	200	8	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
6	Grey Gum, <i>Eucalyptus punctata</i>	250	8	3	EM	G	G	3.0	1.8	Long (30+ yrs)	3	Medium	Yes		None	Retain
7	Grey Gum, <i>Eucalyptus punctata</i>	180	8	2	EM	G	G	2.2	1.6	Long (30+ yrs)	3	Medium	Yes		None	Retain
8	Swamp Mahogany, <i>Eucalyptus robusta</i>	100	7	2	IM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
9	Swamp Mahogany, <i>Eucalyptus robusta</i>	200	9	3	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
10	Forest Red Gum, <i>Eucalyptus tereticornis</i>	180	6	2	EM	F	P	2.2	1.6	Medium (10-30 yrs)	3	Medium	Yes	Looped for powerline clearance	None	Retain
11	Grey Gum, <i>Eucalyptus punctata</i>	200	8	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
12	Swamp Mahogany, <i>Eucalyptus robusta</i>	200	8	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
13	Grey Gum, <i>Eucalyptus punctata</i>	100	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
14	Grey Gum, <i>Eucalyptus punctata</i>	150	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
15	Coast Banksia, <i>Banksia integrifolia</i>	280	7	3	M	G	G	3.4	1.9	Long (30+ yrs)	3	Medium	Yes		None	Retain
16	Grey Gum, <i>Eucalyptus punctata</i>	200	8	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
17	Grey Gum, <i>Eucalyptus punctata</i>	300	9	3	EM	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
18	Grey Gum, <i>Eucalyptus punctata</i>	300	9	4	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
19	Hakea, <i>Hakea sp.</i>	100	5	2	M	G	G	2	1.5	Medium (10-30 yrs)	4	Low	Yes		Within proposed construction zone.	Remove
20	Grevillea, <i>Grevillea sp.</i>	100	5	2	M	G	G	2	1.5	Medium (10-30 yrs)	4	Low	Yes		Within proposed construction zone.	Remove
21	Grevillea, <i>Grevillea sp.</i>	120	5	2	M	G	G	2	1.5	Medium (10-30 yrs)	4	Low	Yes		Within proposed construction zone.	Remove
22	Grey Gum, <i>Eucalyptus punctata</i>	80	5	2	IM	F	F	2	1.5	Medium (10-30 yrs)	4	Low	Yes	Suppressed	Landscaping works proposed within the TPZ	Retain
23	Old Man Banksia, <i>Banksia serrata</i>	80	5	1	IM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Landscaping works proposed within the TPZ	Retain
24	Old Man Banksia, <i>Banksia serrata</i>	80	5	1	IM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Landscaping works proposed within the TPZ	Retain
25	Grey Gum, <i>Eucalyptus punctata</i>	100	7	-	-	-	-	-	-	-	5	Low	No	Dead tree	Landscaping works proposed within the TPZ	Remove
26	Grevillea, <i>Grevillea sp.</i>	100	6	2	M	G	G	2	1.5	Medium (10-30 yrs)	4	Low	No	Lean and show over the demonstrable.	Landscaping works proposed within the TPZ	Remove
27	Swamp She Oak, <i>Casuarina glauca</i>	100	7	2	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Landscaping works proposed within the TPZ	Retain
28	Swamp She Oak, <i>Casuarina glauca</i>	90	7	2	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Landscaping works proposed within the TPZ	Retain
29	Swamp She Oak, <i>Casuarina glauca</i>	90	7	2	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Landscaping works proposed within the TPZ	Retain
30	Spotted Gum, <i>Corymbia maculata</i>	90	7	1	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes	Included bark at the co-dominant stem junction.	Within the proposed school entrance path.	Remove
31	Swamp Mahogany, <i>Eucalyptus robusta</i>	90	6	1	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
32	Swamp Mahogany, <i>Eucalyptus robusta</i>	120	7	2	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
33	Swamp Mahogany, <i>Eucalyptus robusta</i>	100	6	2	EM	F	G	2	1.5	Short (10 yrs)	4	Low	Yes	Defoliated by insects. Almost dead.	Within the proposed school entrance path.	Remove
34	Swamp Mahogany, <i>Eucalyptus robusta</i>	90	3	1	EM	G	P	2	1.5	Medium (10-30 yrs)	4	Low	Yes	Looped for powerline clearance	Within the proposed school entrance path.	Remove
35	Old Man Banksia, <i>Banksia serrata</i>	250	6	3	EM	G	G	3	1.9	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
36	Swamp Mahogany, <i>Eucalyptus robusta</i>	100	6	2	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
37	Spotted Gum, <i>Corymbia maculata</i>	90	7	1	EM	G	G	2	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
38	Old Man Banksia, <i>Banksia serrata</i>	250	5	3	EM	G	G	2.0	1.9	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
39	Swamp Mahogany, <i>Eucalyptus robusta</i>	90	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
40	Spotted Gum, <i>Corymbia maculata</i>	90	7	1	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
41	Swamp She Oak, <i>Casuarina glauca</i>	120	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	4	Low	Yes		Within the proposed school entrance path.	Remove
42	Sydney Blue Gum, <i>Eucalyptus saligna</i>	90	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes	Looped for powerline clearance	Within the proposed school entrance path.	Remove
43	Swamp She Oak, <i>Casuarina glauca</i>	90	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed school entrance path.	Remove
44	Crimson Bottlebrush, <i>Callistemon citrinus</i>	120, 120	5	2	M	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
45	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	350	6	3	M	G	G	4.2	2.2	Long (30+ yrs)	3	Medium	Yes		None	Retain
46	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	350	7	4	M	G	G	4.2	2.2	Long (30+ yrs)	3	Medium	Yes		None	Retain
47	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	300	6	3	M	G	G	3.6	2.0	Long (30+ yrs)	3	Medium	Yes		None	Retain
48	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	200	4	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
49	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	350	8	4	M	G	G	4.2	2.2	Long (30+ yrs)	3	Medium	Yes		None	Retain
50	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	350	8	4	M	G	G	4.2	2.2	Long (30+ yrs)	3	Medium	Yes		None	Retain
51	Swamp Mahogany, <i>Eucalyptus robusta</i>	510	13	5	M	G	G	6.1	2.5	Long (30+ yrs)	2	High	Yes	Proposed new building within the Structural Root Zone and canopy spread.		Remove
52	Sydney Red Gum, <i>Angophora costata</i>	150	8	3	EM	G	G	2.0	1.5	Medium (10-30 yrs)	3	Medium	Yes	Located within or SIZ within footprint of proposed new water tanks.		Remove
53	Grey Gum, <i>Eucalyptus punctata</i>	100	8	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes	Located within or SIZ within footprint of proposed new water tanks.		Remove
54	Grey Gum, <i>Eucalyptus punctata</i>	300	8	3	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes	Located within or SIZ within footprint of proposed new water tanks.		Remove
55	Scribbly Gum, <i>Eucalyptus haemastoma</i>	200	7	3	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes	Located within or SIZ within footprint of proposed new water tanks.		Remove

Tree No.	Common Name/ Genus Species	DBH (mm)	Height (m)	Canopy Spread Radius (m)	Age Class	Health / Vitality	Structural Condition	Tree Protection Zone (m)	Structural Root Zone (m)	Estimated Remaining Life Expectancy (ELE)	Landscape and Environmental Significance	Retention Value	Suitable for Retention Within School	Comments	Likely Construction Impacts	Proposed Action
56	Scribbly Gum, <i>Eucalyptus haemastoma</i>	170	5	3	EM	G	F	2.0	1.6	Medium (10-30 yrs)	3	Medium	Yes	Looped for powerline clearance	located within or SRZ within footprint of proposed new water tanks.	Remove
57	Scribbly Gum, <i>Eucalyptus haemastoma</i>	150	3	1	EM	F	P	2.0	1.5	Short (10 yrs)	4	Low	Yes	Looped for powerline clearance	located within or SRZ within footprint of proposed new water tanks.	Remove
58	Swamp Mahogany, <i>Eucalyptus robusta</i>	300	12	5	M	G	G	3.6	2.1	Long (30+ yrs)	2	High	Yes		located within or SRZ within footprint of proposed new water tanks.	Remove
59	Coast Banksia, <i>Banksia integrifolia</i>	450	3	3	M	G	P	5.4	7.4	Medium (10-30 yrs)	3	Medium	Yes	Previous failure of the central stem.	located within or SRZ within footprint of proposed new water tanks.	Remove
60	Swamp Mahogany, <i>Eucalyptus robusta</i>	250,150	7	4	M	P	F	3.8	2.1	Medium (10-30 yrs)	4	Low	Yes	Poor health	located within or SRZ within footprint of proposed new water tanks.	Remove
61	Forest Red Gum, <i>Eucalyptus tereticornis</i>	450	12	5	M	F	G	5.4	2.4	Long (30+ yrs)	2	High	Yes		located within or SRZ within footprint of proposed new water tanks.	Remove
62	Scribbly Gum, <i>Eucalyptus haemastoma</i>	100	3	3	EM	G	F	2.0	1.5	Medium (10-30 yrs)	3	Medium	Yes	Looped for powerline clearance.	located within or SRZ within footprint of proposed new water tanks.	Remove
63	Coast Banksia, <i>Banksia integrifolia</i>	170	6	3	M	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		located within or SRZ within footprint of proposed new water tanks.	Remove
64	Forest Red Gum, <i>Eucalyptus tereticornis</i>	420	12	5	M	F	G	5.0	2.3	Long (30+ yrs)	3	High	Yes	Lean and skew to the west	Proposed new pump room within the SRZ and canopy spread.	Remove
65	Forest Red Gum, <i>Eucalyptus tereticornis</i>	720	13	8	M	G	G	8.6	2.9	Long (30+ yrs)	3	High	Yes			Retain
66	Swamp Mahogany, <i>Eucalyptus robusta</i>	330	13	4	M	G	G	4.0	2.1	Long (30+ yrs)	3	High	Yes			Retain
67	Swamp Mahogany, <i>Eucalyptus robusta</i>	300	14	2	M	F	F	3.6	2.1	Long (30+ yrs)	3	High	Yes			Retain
68	Swamp Mahogany, <i>Eucalyptus robusta</i>	320	14	3	M	G	G	3.8	2.1	Long (30+ yrs)	3	High	Yes			Retain
69	Swamp Mahogany, <i>Eucalyptus robusta</i>	400	15	4	M	G	G	4.8	2.3	Long (30+ yrs)	3	High	Yes			Retain
70	Swamp Mahogany, <i>Eucalyptus robusta</i>	350	15	3	EM	G	G	4.2	2.2	Long (30+ yrs)	3	High	Yes			Retain
71	Swamp Mahogany, <i>Eucalyptus robusta</i>	150	8	2	EM	F	G	2.0	1.5	Medium (10-30 yrs)	3	Medium	Yes	Suppressed		Retain
72	Swamp Mahogany, <i>Eucalyptus robusta</i>	250	10	3	M	G	G	3.0	1.9	Long (10+ yrs)	3	Medium	Yes	Approved Application No. 880 8 210	Proposed new car park within the TPZ	Retain
73	Scribbly Gum, <i>Eucalyptus haemastoma</i>	200,100	7	4	M	G	G	3.4	2.0	Long (30+ yrs)	3	Medium	Yes	lean and skew to the west	Proposed new car park area	Remove
74	Scribbly Gum, <i>Eucalyptus haemastoma</i>	150	6	3	M	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes	lean and skew to the west	Within the proposed new car park area	Remove
75	Scribbly Gum, <i>Eucalyptus haemastoma</i>	300	5	3	M	G	F	3.8	2.1	Long (10+ yrs)	3	Medium	Yes	lean and skew to the west	Within the proposed new car park area	Remove
76	Swamp Mahogany, <i>Eucalyptus robusta</i>	100	7	2	EM	F	F	2.0	1.5	Medium (10-30 yrs)	4	Low	Yes	Suppressed	Within the proposed new car park area	Remove
77	Broad-leaved Paperbark, <i>Melaleuca quinquenervia</i>	100,100	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within the new proposed car park area	Remove
78	Swamp Mahogany, <i>Eucalyptus robusta</i>	150	7	2	EM	P	P	2.0	1.5	Short (10 yrs)	4	Low	Yes	Poor health	None	Retain
79	Swamp Mahogany, <i>Eucalyptus robusta</i>	280,260	10	4	M	G	G	4.2	7.2	Long (10+ yrs)	3	High	Yes		Proposed new car park within the TPZ	Retain
80	Swamp Mahogany, <i>Eucalyptus robusta</i>	300	10	3	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes			Retain
81	Swamp Mahogany, <i>Eucalyptus robusta</i>	280	9	3	M	G	G	3.4	2.0	Long (10+ yrs)	3	Medium	Yes			Retain
82	Forest Red Gum, <i>Eucalyptus tereticornis</i>	400	10	6	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes			Retain
83	Forest Red Gum, <i>Eucalyptus tereticornis</i>	180	6	4	M	F	F	2.2	1.7	Medium (10-30 yrs)	4	Low	Yes	Suppressed	Proposed new car park within the TPZ.	Retain
84	Broad-leaved Paperbark, <i>Melaleuca quinquenervia</i>	150	7	2	EM	G	G	2.0	1.5	Long (10-30 yrs)	3	Medium	Yes			Retain
85	Broad-leaved Paperbark, <i>Melaleuca quinquenervia</i>	150	7	2	EM	G	G	2.0	1.5	Long (10+ yrs)	3	Medium	Yes			Retain
86	Forest Red Gum, <i>Eucalyptus tereticornis</i>	680	13	5	M	G	G	8.2	2.8	Long (30+ yrs)	2	High	Yes			Retain
87	Forest Red Gum, <i>Eucalyptus tereticornis</i>	530	9	6	M	G	G	6.4	2.6	Long (30+ yrs)	2	High	Yes		Proposed new building and landscaping works within the TPZ.	Retain
88	English Oak, <i>Quercus robur</i>	300	8	8	M	G	G	3.6	2.1	Long (30+ yrs)	2	High	Yes			Retain
89	Sydney Red Gum, <i>Angophora costata</i>	120	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within area of proposed landscape/deck construction.	Remove
90	Sydney Red Gum, <i>Angophora costata</i>	120	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within area of proposed landscape/deck construction.	Remove
91	Sydney Red Gum, <i>Angophora costata</i>	120	6	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes	Not plotted on the survey or plans.	Within area of proposed landscape/deck construction.	Remove
92	Spirited Gum, <i>Corymbia maculata</i>	200	11	7	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		Within the proposed building footprint.	Remove
93	Sydney Blue Gum, <i>Eucalyptus saligna</i>	300	10	3	EM	F	F	3.6	2.1	Medium (10-30 yrs)	3	Medium	Yes		Within the proposed building footprint.	Remove
94	Eucalypt, <i>Eucalyptus sp.</i>	90	7	1	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Within the proposed building footprint.	Remove
95	Broad-leaved Paperbark, <i>Melaleuca quinquenervia</i>	200	6	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
96	Forest Red Gum, <i>Eucalyptus tereticornis</i>	300	9	4	M	G	G	3.6	2.1	Long (10+ yrs)	3	Medium	Yes		None	Retain
97	Coast Banksia, <i>Banksia integrifolia</i>	90	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
98	Swamp She Oak, <i>Casuarina glauca</i>	430	4	6	M	G	G	5.2	2.3	Long (30+ yrs)	3	Medium	Yes		Minor canopy pruning may be required for building clearance during construction	Retain
99	Coast Banksia, <i>Banksia integrifolia</i>	120	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
100	Broad-leaved Paperbark, <i>Melaleuca quinquenervia</i>	120	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
101	Bangalay, <i>Eucalyptus botryoides</i>	100,100	7	5	EM	F	F	2.0	1.5	Medium (10-30 yrs)	4	Low	Yes		None	Retain
102	Mulberry, <i>Morus nigra</i>	300	6	3	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
103	Bangalay, <i>Eucalyptus botryoides</i>	560	11	7	M	G	G	6.7	2.6	Long (30+ yrs)	2	High	Yes	Existing stormwater pipe within the SRZ.	None	Retain
104	Red Ironbark, <i>Eucalyptus sideroxylon</i>	540	10	6	M	G	G	6.5	2.6	Long (10+ yrs)	2	High	Yes	Existing stormwater pipe and pit within the SRZ.	None	Retain
105	Umbrella Tree, <i>Schizomeria australasica</i>	200	7	3	M	G	G	2.4	1.8	Long (30+ yrs)	3	Medium	Yes		None	Retain
106	Forest Red Gum, <i>Eucalyptus tereticornis</i>	730	16	8	M	G	G	8.8	2.9	Long (30+ yrs)	3	High	Yes		None	Retain
107	Swamp She Oak, <i>Casuarina glauca</i>	500	16	4	M	G	G	6.0	2.5	Long (10+ yrs)	2	High	Yes		None	Retain
108	Mulberry, <i>Morus nigra</i>	450	8	5	M	G	G	5.4	2.4	Long (30+ yrs)	3	Medium	Yes		None	Retain
109	Swamp She Oak, <i>Casuarina glauca</i>	500	15	6	M	G	G	6.0	2.5	Long (30+ yrs)	2	High	Yes		None	Retain
110	River She Oak, <i>Casuarina glauca</i>	150	7	3	M	F	F	2.0	1.5	Medium (10-30 yrs)	4	Low	Yes	Suppressed.	None	Retain

NSW GOVERNMENT

Planning & Environment

Environmental Assessment Act 1979

Issued under the Environmental Assessment Act 1979

Approved Application No. 880 8 210

granted on the 28th Nov 2018

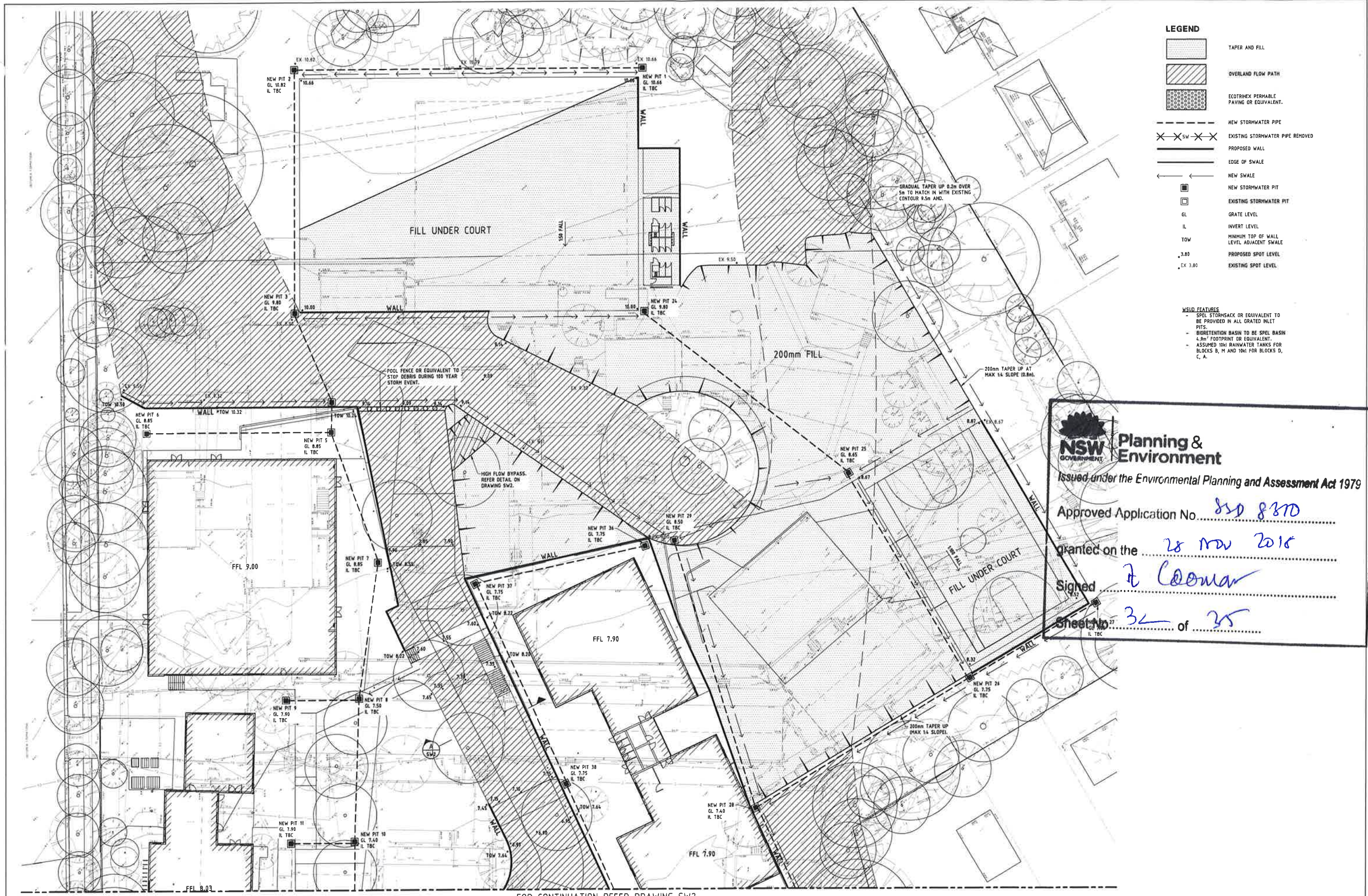
Signed A. Coombes

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Tree No.	Common Name/ Genus Species	DBH (mm)	Height (m)	Canopy Spread Radius (m)	Age Class	Health / Vitality	Structural Condition	Tree Protection Zone (m)	Structural Root Zone (m)	Estimated Remaining Life Expectancy (ELE)	Landscape and Environmental Significance	Retention Value	Suitable for Retention Within School	Comments	Likely Construction Impacts	Proposed Action
111	River She Oak, <i>Casuarina glauca</i>	250	12	3	M	F	F	3.0	1.9	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
112	Mulberry, <i>Morus nigra</i>	300	7	4	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
113	Bangalay, <i>Eucalyptus botryoides</i>	350	8	7	M	G	G	4.2	2.2	Long (30+ yrs)	3	Medium	Yes		None	Retain
114	River She Oak, <i>Casuarina glauca</i>	440	12	4	M	G	G	5.3	2.4	Long (30+ yrs)	2	High	Yes		None	Retain
115	Mulberry, <i>Morus nigra</i>	300	7	4	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
116	WA Weeping Myrtle, <i>Agonis flexuosa</i>	800	8	5	M	G	G	9.6	3.0	Long (30+ yrs)	2	High	Yes		None	Retain
117	Weeping Botlebrush, <i>Collistemon vitifolius</i>	120,120	6	3	M	G	G	2.0	1.5	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
118	Illawarra Flame Tree, <i>Banksia integrifolia</i>	300	7	3	M	G	G	3.6	2.0	Long (30+ yrs)	3	Medium	Yes		None	Retain
119	Coast Banksia, <i>Banksia integrifolia</i>	450	6	4	M	G	G	5.4	2.4	Long (30+ yrs)	3	Medium	Yes		None	Retain
120	Swamp Mahogany, <i>Eucalyptus robusta</i>	740	15	8	M	G	G	8.9	2.9	Long (30+ yrs)	1	High	Yes		None	Retain
121	Prickly-leaved Paperbark, <i>Melaleuca stypheloides</i>	200	6	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
122	Swamp Mahogany, <i>Eucalyptus robusta</i>	300	8	5	M	G	G	3.6	2.1	Long (30+ yrs)	2	High	Yes		None	Retain
123	Prickly-leaved Paperbark, <i>Melaleuca stypheloides</i>	190	5	3	M	G	G	2.3	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
124	Coast Banksia, <i>Banksia integrifolia</i>	150	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes	Secondary entry path to keep same alignment as the existing path. No impact	None	Retain
125	Swamp She Oak, <i>Casuarina glauca</i>	400	10	4	M	G	G	4.8	2.3	Long (30+ yrs)	3	Medium	Yes		None	Retain
126	Forest Red Gum, <i>Eucalyptus tereticornis</i>	700	16	8	M	G	G	8.4	2.9	Long (30+ yrs)	2	High	Yes		None	Retain
127	Forest Red Gum, <i>Eucalyptus tereticornis</i>	400,350	8	5	M	G	G	6.6	2.5	Long (30+ yrs)	2	High	Yes		None	Retain
128	Coast Banksia, <i>Banksia integrifolia</i>	150	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Remove
129	Coast Banksia, <i>Banksia integrifolia</i>	150	7	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Remove
130	Cooks Pine, <i>Araucario columnaris</i>	300	8	2	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Remove
131	Sally Wattle, <i>Acacia floribunda</i>	100	5	2	M	G	G	2.0	1							

Tree No.	Common Name/ Genus Species	DBH (mm)	Height (m)	Canopy Spread Radius (m)	Age Class	Health / Vitality	Structural Condition	Tree Protection Zone (m)	Structural Root Zone (m)	Estimated Remaining Life Expectancy (ELE)	Landscape and Environmental Significance	Retention Value	Suitable for Retention Within a School	Comments	Likely Construction Impacts	Proposed Action
166	Kurrajong, <i>Brachychiton populneus</i>	100	4	1	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
167	Eucalypt, <i>Eucalyptus sp</i>	200	10	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes	Growing within 0.5m of the demountable.	Removal from the demountables from within the drip-line	Retain
168	Eucalypt, <i>Eucalyptus sp</i>	200	10	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes	Growing within 0.5m of the demountable.	Removal from the demountables from within the drip-line	Retain
169	Eucalypt, <i>Eucalyptus sp</i>	200	10	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes	Growing within 0.5m of the demountable.	Removal from the demountables from within the drip-line	Retain
170	Eucalypt, <i>Eucalyptus sp</i>	200	10	2	EM	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes	Growing within 0.5m of the demountable.	Removal from the demountables from within the drip-line	Retain
171	Grevillea, <i>Grevillea sp</i>	100	4	2	M	G	G	2.0	1.5	Long (30+ yrs)	4	Low	Yes		Within area of proposed landscape construction	Remove
172	Morrison Bay Fig, <i>Ficus macrophylla</i>	1400	19	12	M	G	G	15.0	3.9	Long (30+ yrs)	1	High	Yes	Excellent specimen. Canopy overhangs the demountable.	Removal of the demountables from within the drip-line. Potential for canopy injury within the TPZ.	Retain
173	Norfolk Island Pine, <i>Ascarota heterophylla</i>	490	19	4	M	G	G	5.9	2.5	Long (30+ yrs)	2	High	Yes		None	Retain
174	WA Weeping Myrtle, <i>Agonis flexuosa</i>	420	5	3	M	G	G	5.0	2.3	Long (30+ yrs)	3	Medium	Yes		None	Retain
175	Crimson Bottlebrush, <i>Callistemon citrinus</i>	250	5	2	M	G	G	3.0	1.8	Medium (10-30 yrs)	3	Medium	Yes		Within the proposed sports court.	Remove
176	Silly Pilli, <i>Acmena smithii</i>	300	5	2	M	G	G	3.6	2.0	Long (30+ yrs)	3	Medium	Yes		Within the proposed sports court	Remove
177	Silly Pilli, <i>Acmena smithii</i>	150	5	1	M	F	F	2.0	1.5	Medium (10-30 yrs)	4	Low	Yes	Growing between 2 demountables	Within the proposed sports court.	Remove
178	Tuckeroo, <i>Cupaniopsis anacardioides</i>	90	4	2	EM	G	G	2.0	1.5	Long (30+ yrs)	4	Low	Yes		Within the proposed sports court.	Remove
179	Coast Banksia, <i>Banksia integrifolia</i>	200	7	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		Within the proposed sports court.	Remove
180	Broad leaved Paperbark, <i>Melaleuca quinquenervia</i>	120	5	1	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		Sports court construction proposed within the SRZ	Remove
181	Tuckeroo, <i>Cupaniopsis anacardioides</i>	100	5	2	EM	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
182	Scribbly Gum, <i>Eucalyptus haemastoma</i>	400	10	5	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes		None	Retain
183	Golden Wattle, <i>Acacia longifolia</i>	150	4	2	M	F	F	2.0	1.5	Short (10 yrs)	3	Low	Yes		likely to be obstructive demolition works	Remove
184	Mulberry, <i>Morus nigra</i>	300	6	5	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
185	Swamp Magnolia, <i>Eucalyptus robusta</i>	360,360,360	12	7	M	G	G	7.5	2.7	Long (30+ yrs)	2	High	Yes		None	Retain
186	Red Ironbark, <i>Eucalyptus sideroxylon</i>	410	10	6	M	F	F	4.9	2.3	Medium (10-30 yrs)	3	Medium	Yes	Fungal fruiting body. Further assessment of this tree is required	None	Retain
187	Swamp Magnolia, <i>Eucalyptus robusta</i>	300	7	4	M	F	G	4.6	2.1	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
188	Weeping Bottlebrush, <i>Callistemon viminalis</i>	120,120	7	3	M	G	G	2.0	1.5	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
189	Ironbark, <i>Eucalyptus globulus</i>	200	6	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
190	Swamp She Oak, <i>Casuarina glauca</i>	200	9	2	M	G	F	2.4	1.7	Short (10 yrs)	3	Low	No	Potential root plate failure has occurred. Unstable.	None	Remove
191	Coast Banksia, <i>Banksia integrifolia</i>	250	7	3	M	G	G	3.0	1.8	Long (30+ yrs)	3	Medium	Yes		None	Retain
192	Coast Banksia, <i>Banksia integrifolia</i>	250	7	3	M	G	G	3.0	1.8	Long (30+ yrs)	3	Medium	Yes		None	Retain
193	Coast Banksia, <i>Banksia integrifolia</i>	200	7	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
194	Coast Banksia, <i>Banksia integrifolia</i>	200	7	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
195	Bangalay, <i>Eucalyptus botryoides</i>	600	17	8	M	G	F	7.2	2.7	Long (30+ yrs)	2	High	Yes	Excessively pruned on the E side.	None	Retain
196	Coast Banksia, <i>Banksia integrifolia</i>	250	6	3	M	G	G	3.0	1.9	Long (30+ yrs)	3	Medium	Yes		None	Retain
197	Weeping Bottlebrush, <i>Callistemon viminalis</i>	100	4	2	M	G	G	2.0	1.5	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
198	Swamp She Oak, <i>Casuarina glauca</i>	420	10	3	M	G	G	5.0	2.3	Long (30+ yrs)	3	Medium	Yes		None	Retain
199	Swamp Magnolia, <i>Eucalyptus robusta</i>	150	7	3	M	G	F	3.0	1.5	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
200	Swamp Magnolia, <i>Eucalyptus robusta</i>	200	9	2	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
201	Swamp Magnolia, <i>Eucalyptus robusta</i>	150	5	2	M	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
202	Blackbutt, <i>Eucalyptus pilularis</i>	300	14	3	M	G	G	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
203	Coast Banksia, <i>Banksia integrifolia</i>	250	6	3	M	G	G	3.0	1.9	Long (30+ yrs)	3	Medium	Yes		None	Retain
204	Blackbutt, <i>Eucalyptus pilularis</i>	400	13	5	M	G	G	4.8	2.3	Long (30+ yrs)	3	High	Yes		None	Retain
205	Eucalypt, <i>Eucalyptus sp</i>	300	11	2	M	F	F	3.6	2.1	Short (10 yrs)	3	Low	No	Trunk decay and upper canopy dieback.	None	Remove
206	Blackbutt, <i>Eucalyptus pilularis</i>	150	12	4	M	G	G	4.2	2.2	Long (30+ yrs)	2	High	Yes		None	Retain
207	Forest Red Gum, <i>Eucalyptus tereticornis</i>	560	13	7	M	F	F	6.7	2.6	Short (10 yrs)	3	Low	Yes	Northern stem is dead and that stem should be removed.	None	Retain
208	Scribbly Gum, <i>Eucalyptus haemastoma</i>	150,120	7	3	M	G	G	2.4	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
209	Scribbly Gum, <i>Eucalyptus haemastoma</i>	450	10	4	M	G	G	5.4	2.4	Long (30+ yrs)	2	High	Yes		None	Retain
210	Scribbly Gum, <i>Eucalyptus haemastoma</i>	300	8	3	M	G	F	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
211	Scribbly Gum, <i>Eucalyptus haemastoma</i>	400,350	11	5	M	G	F	6.6	2.7	Long (30+ yrs)	2	High	Yes		None	Retain
212	Scribbly Gum, <i>Eucalyptus haemastoma</i>	300	9	3	M	G	F	3.6	2.1	Long (30+ yrs)	3	Medium	Yes		None	Retain
213	Forest Red Gum, <i>Eucalyptus tereticornis</i>	300	9	3	M	F	F	3.6	2.1	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
214	Scribbly Gum, <i>Eucalyptus haemastoma</i>	450	12	5	M	G	F	5.4	2.4	Long (30+ yrs)	2	High	Yes		None	Retain
215	Tuckeroo, <i>Cupaniopsis anacardioides</i>	200	7	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
216	Silly Oak, <i>Grevillea robusta</i>	300	7	4	M	F	F	3.6	2.1	Short (10 yrs)	3	Low	Yes	Dieback of the upper canopy.	None	Retain
217	Sprited Gum, <i>Corymbia maculata</i>	250	8	3	M	G	G	3.0	1.9	Long (30+ yrs)	3	Medium	Yes		None	Retain
218	Ironbark, <i>Eucalyptus sp</i>	400	11	4	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes		None	Retain
219	Lemon scented Gum, <i>Corymbia citriodora</i>	400	13	5	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes		None	Retain
220	Grevillea, <i>Grevillea sp</i>	100,100	4	3	M	G	G	2.0	1.5	Short (10 yrs)	3	Low	Yes		None	Retain

Tree No.	Common Name/ Genus Species	DBH (mm)	Height (m)	Canopy Spread Radius (m)	Age Class	Health / Vitality	Structural Condition	Tree Protection Zone (m)	Structural Root Zone (m)	Estimated Remaining Life Expectancy (ELE)	Landscape and Environmental Significance	Retention Value	Suitable for Retention Within a School	Comments	Likely Construction Impacts	Proposed Action
221	Tuckeroo, <i>Cupaniopsis anacardioides</i>	100	5	2	M	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
222	Tuckeroo, <i>Cupaniopsis anacardioides</i>	150	6	2	M	G	G	2.0	1.5	Long (30+ yrs)	3	Medium	Yes		None	Retain
223	Grevillea, <i>Grevillea sp</i>	250	5	3	M	G	G	3.0	1.9	Medium (10-30 yrs)	3	Medium	Yes		None	Retain
224	Wallangarra White Gum, <i>Eucalyptus scoparia</i>	450	10	6	M	F	F	5.4	2.4	Short (10 yrs)	3	Low	Yes	Low vitality	None	Retain
225	Silly Oak, <i>Grevillea robusta</i>	380	10	5	M	G	G	4.6	2.3	Long (30+ yrs)	3	Medium	Yes		None	Retain
226	Coast Banksia, <i>Banksia integrifolia</i>	450	9	4	M	G	G	5.4	2.4	Long (30+ yrs)	2	High	Yes		None	Retain
227	Bangalay, <i>Eucalyptus botryoides</i>	400,350,300	14	5	M	G	G	7.4	2.7	Long (30+ yrs)	2	High	Yes		None	Retain
228	Silly Oak, <i>Grevillea robusta</i>	350	13	3	M	G	G	4.2	2.2	Long (30+ yrs)	3	Medium	Yes		None	Retain
229	Scribbly Gum, <i>Eucalyptus haemastoma</i>	300	12	3	M	G	G	3.6	2.1	Long (30+ yrs)	2	High	Yes		None	Retain
230	Scribbly Gum, <i>Eucalyptus haemastoma</i>	300,250	9	5	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes		None	Retain
231	Bangalay, <i>Eucalyptus botryoides</i>	600	16	6	M	G	G	7.2	2.7	Long (30+ yrs)	2	High	Yes		None	Retain
232	Sydney Red Gum, <i>Angophora costata</i>	100	7	2	LM	F	F	2.0	1.5	Medium (10-30 yrs)	4	Low	Yes	Canopy to be removed	None	Retain
233	Scribbly Gum, <i>Eucalyptus haemastoma</i>	330	15	3	M	G	G	4.0	2.1	Long (30+ yrs)	2	High	Yes		None	Retain
234	Scribbly Gum, <i>Eucalyptus haemastoma</i>	300,300	15	4	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes		None	Retain
235	Scribbly Gum, <i>Eucalyptus haemastoma</i>	620	13	7	M	G	G	7.5	2.7	Long (30+ yrs)	2	High	Yes		None	Retain
236	Tuckeroo, <i>Cupaniopsis anacardioides</i>	200	6	3	M	G	G	2.4	1.7	Long (30+ yrs)	3	Medium	Yes		None	Retain
237	Scribbly Gum, <i>Eucalyptus haemastoma</i>	550	17	6	M	G	G	6.6	2.6	Long (30+ yrs)	2	High	Yes		None	Retain
238	Swamp Magnolia, <i>Eucalyptus robusta</i>	870	17	10	M	G	G	10.4	3.2	Long (30+ yrs)	2	High	Yes		None	Retain
239	Swamp Magnolia, <i>Eucalyptus robusta</i>	620	16	9	M	G	G	7.4	2.7	Long (30+ yrs)	2	High	Yes		None	Retain
240	Sydney Red Gum, <i>Angophora costata</i>	100,300	8	5	M	G	G	4.8	2.3	Long (30+ yrs)	2	High	Yes		None	Retain
241	WA Weeping Myrtle, <i>Agonis flexuosa</i>	850	10	6	M	G	G	10.2	3.1	Long (30+ yrs)	2	High	Yes		None	Retain
242	WA Weeping Myrtle, <i>Agonis flexuosa</i>	700	7	5	M	G	G	8.4	2.9	Long (30+ yrs)	2	High	Yes		None	Retain
243	Coast Banksia, <i>Banksia integrifolia</i>	350	8	4												



- LEGEND**
- TAPER AND FILL
 - OVERLAND FLOW PATH
 - ECOTRIX PERMEABLE PAVING OR EQUIVALENT.
 - NEW STORMWATER PIPE
 - EXISTING STORMWATER PIPE REMOVED
 - PROPOSED WALL
 - EDGE OF SWALE
 - NEW SWALE
 - NEW STORMWATER PIT
 - EXISTING STORMWATER PIT
 - GRATE LEVEL
 - INVERT LEVEL
 - MINIMUM TOP OF WALL LEVEL ADJACENT SWALE
 - PROPOSED SPOT LEVEL
 - EXISTING SPOT LEVEL

NSW FEATURES

- SPEL STORMSACK OR EQUIVALENT TO BE PROVIDED IN ALL GRATED INLET PITS.
- BIORETENTION BASIN TO BE SPEL BASIN 4.5m² FOOTPRINT OR EQUIVALENT.
- ASSUMED 10KI RAINWATER TANKS FOR BLOCKS B, M AND 10KI FOR BLOCKS D, C, A.

NSW Planning & Environment
 Issued under the Environmental Planning and Assessment Act 1979
 Approved Application No. 850 8870
 granted on the 28 Nov 2018
 Signed J. Coonan
 Sheet No. 32 of 35

FOR CONTINUATION REFER DRAWING SW2

No.	Date	Description	Rev.	Appr.

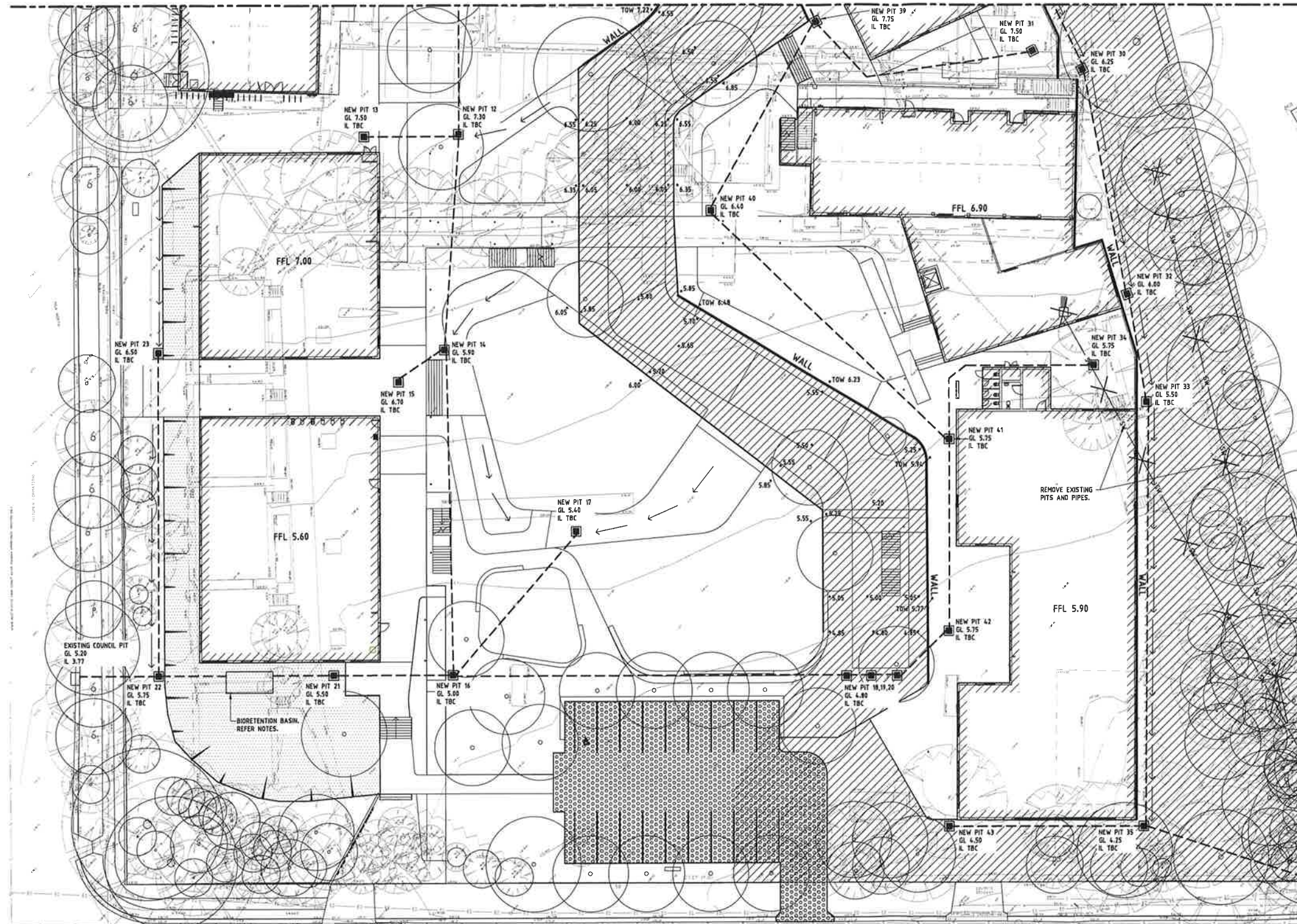


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 LEVEL 1, 19 FOSTER STREET
 SURRY HILLS, NSW, 2010



CURL CURL NORTH PUBLIC SCHOOL		Date	Approved	Verified	Prepared
STORMWATER MANAGEMENT PLAN & DETAILS SHEET 1		MAY 2018	S.D.C.	A.P.	J.K.
		Scale @ 1:200	02.05.18	02.05.18	02.05.18
		Job number	Drawing number		Amendment
		16-258	SW1		

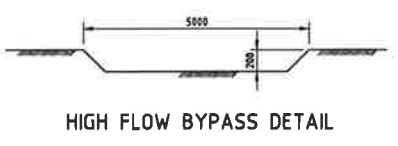
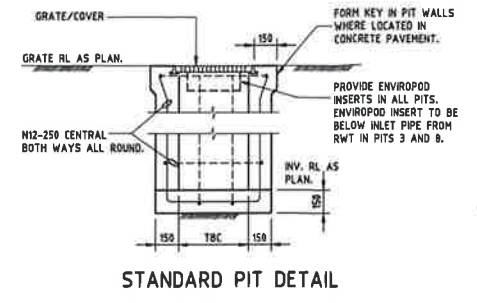
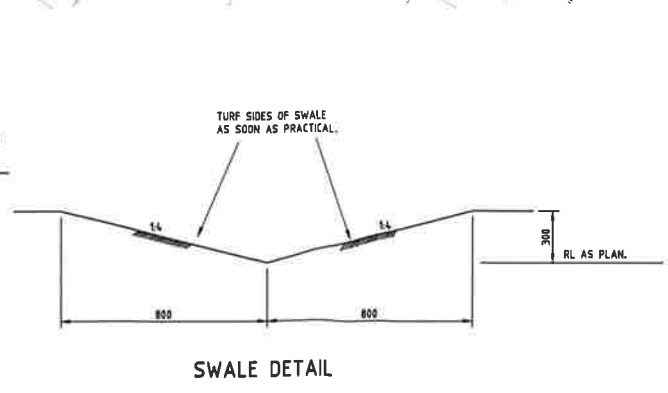
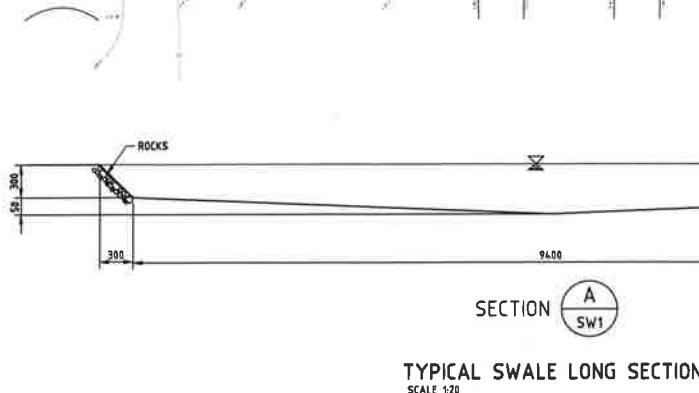
FOR CONTINUATION REFER DRAWING SW1



- LEGEND**
- TAPER AND FILL
 - OVERLAND FLOW PATH
 - ECOTREX PERMEABLE PAVING OR EQUIVALENT
 - NEW STORMWATER PIPE
 - EXISTING STORMWATER PIPE REMOVED
 - PROPOSED WALL
 - EDGE OF SWALE
 - NEW SWALE
 - NEW STORMWATER PIT
 - EXISTING STORMWATER PIT
 - GRATE LEVEL
 - INVERT LEVEL
 - MINIMUM TOP OF WALL LEVEL ADJACENT SWALE
 - PROPOSED SPOT LEVEL
 - EXISTING SPOT LEVEL

- WSUD FEATURES**
- SPEL STORMSACK OR EQUIVALENT TO BE PROVIDED IN ALL GRATED INLET PITS.
 - BIORETENTION BASIN TO BE SPEL BASIN 4.9m² FOOTPRINT OR EQUIVALENT.
 - ASSUMED 150mm RAINWATER TANKS FOR BLOCKS B, H AND 100mm FOR BLOCKS D, C, A.

NSW GOVERNMENT Planning & Environment
 Issued under the Environmental Planning and Assessment Act 1979
 Approve Application No. 880 8310
 granted on the 28 Nov 2018
 Signed J. Coonan
 Sheet No. 33 of 35



No.	Date	Description	By	Appr.
A	16.05.18	REVISED CAR PARK		

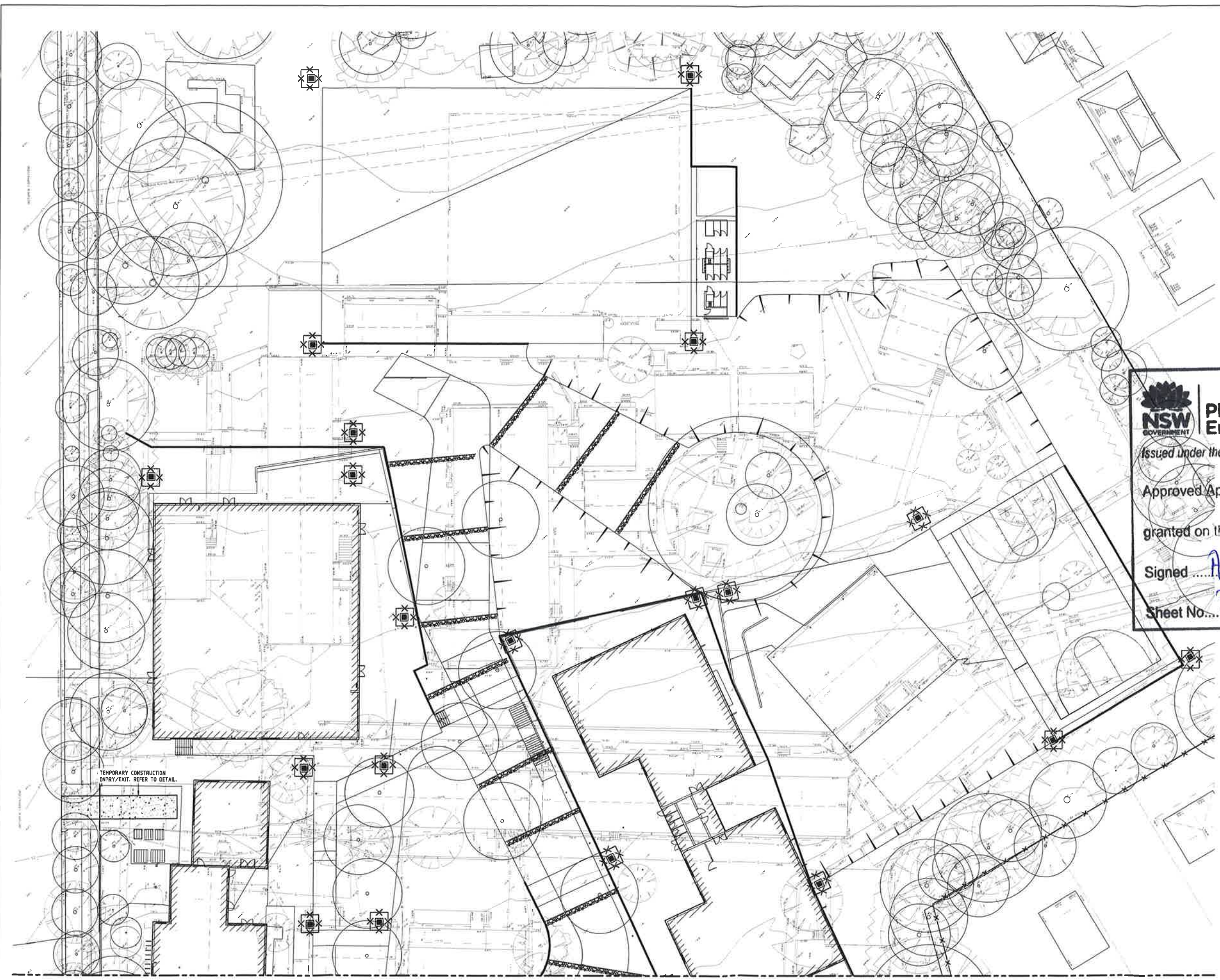


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 SURRY HILLS, NSW, 2010







CURL CURL NORTH
 PUBLIC SCHOOL
 STORMWATER MANAGEMENT
 PLAN SHEET 2

Date	Approved	Verified	Prepared
MAY 2018	S.D.C.	A.P.	J.K.
Scale @ 1:200, 20	02.05.18	02.05.18	02.05.18
Job Number	Drawing Number	Amendment	
16-258	SW2	A	



LEGEND

-  TEMPORARY SITE ENTRY/EXIT
-  SILT FENCE
-  SILT TRAP
-  ROCK CHECK DAM

EROSION CONTROL NOTES

- E1 INSTALL SILT FENCES ON LOW SIDE OF SITE AND AS REQUIRED BY LOCAL COUNCIL PRIOR TO COMMENCEMENT OF TOPSOIL STRIPPING.
- E2 INSTALL DRAINAGE SYSTEM AND SILT FENCES AROUND PITS AS SOON AS PRACTICABLE.
- E3 RENSTATE GRASS COVER AS SOON AS PRACTICABLE.

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 Issued Under the Environmental Planning and Assessment Act 1979
 Approved Application No. 820 8310
 granted on the 28 Nov 2012
 Signed A. Coonan
 Sheet No. 34 of 35

FOR CONTINUATION REFER DRAWING ES2

File	Date	Description	Rev	Appr



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




CURL CURL NORTH
 PUBLIC SCHOOL
 EROSION AND SEDIMENT
 CONTROL PLAN SHEET 1

Date	Approved	Verified	Prepared
MAY 2018	S.D.C.	A.P.	J.K.
Scale @ B1 1:200	02.05.18	02.05.18	02.05.18
Job number 16-258	Drawing number ES1		

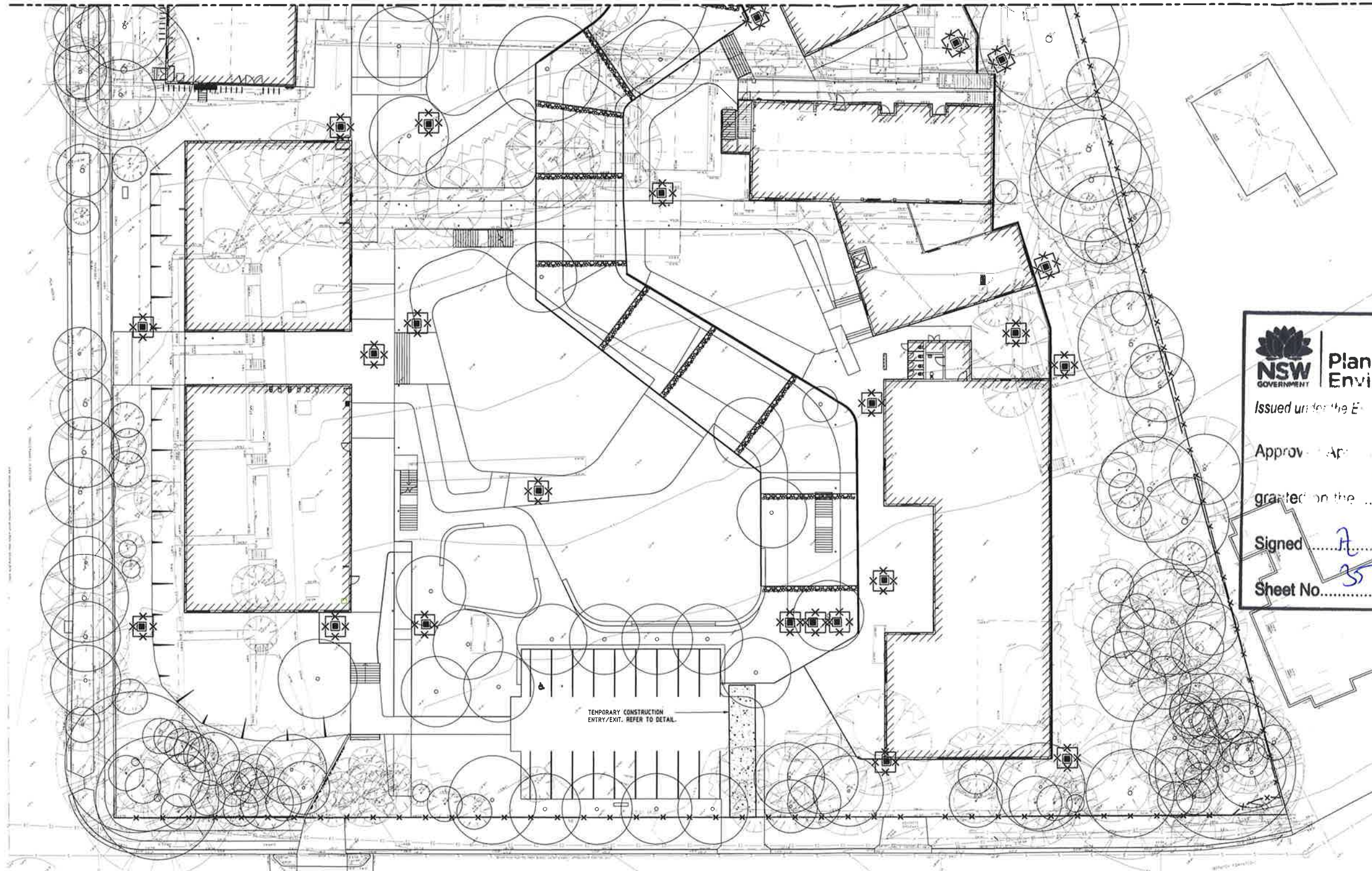
FOR CONTINUATION REFER DRAWING ES1

LEGEND

-  TEMPORARY SITE ENTRY/EXIT
-  SILT FENCE
-  SILT TRAP
-  ROCK CHECK DAM

EROSION CONTROL NOTES

- E1 INSTALL SILT FENCES ON LOW SIDE OF SITE AND AS REQUIRED BY LOCAL COUNCIL PRIOR TO COMMENCEMENT OF TOPSOIL STRIPPING.
- E2 INSTALL DRAINAGE SYSTEM AND SILT FENCES AROUND PITS AS SOON AS PRACTICABLE.
- E3 REINSTATE GRASS COVER AS SOON AS PRACTICABLE.



NSW GOVERNMENT | **Planning & Environment**

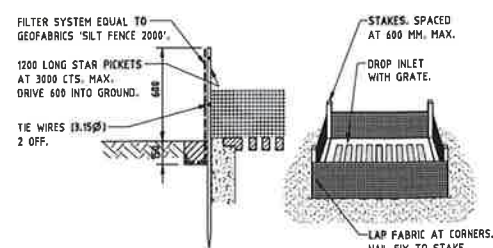
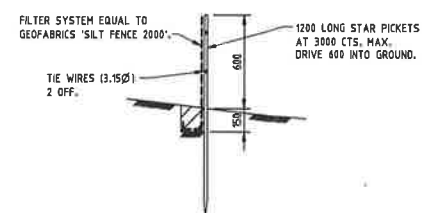
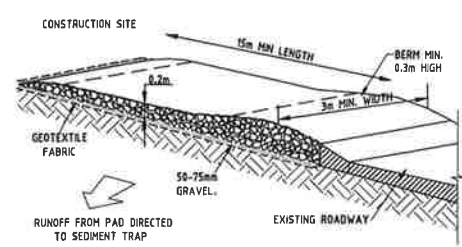
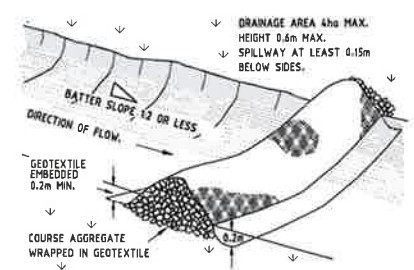
Issued under the Environmental Planning and Assessment Act 1979

Approval Application No. 830 8310

granted on the 28 NOV 2014

Signed A. Coonan

Sheet No. 35 of 35



No.	Date	Description	Rev	Appr
A	19.05.18	REVISED CAR PARK		



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CURL CURL NORTH
PUBLIC SCHOOL
EROSION AND SEDIMENT
CONTROL PLAN SHEET 2

Date	Approved	Verified	Prepared
MAY 2018	S.D.C.	A.P.	J.K.
Scale @ B1	1:200, 20	02.05.18	02.05.18
Job number	16-258	Drawing number	ES2
		Amendment	A