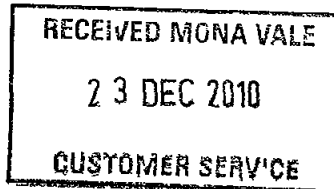




22 December 2010

Pittwater Council
PO Box 882
MONA VALE NSW 1660



Dear Sir/Madam,

**Re Development Application N0508/10
Our Construction Certificate No 172/2010
Premises 5 Forest Road, Warriewood**

Please find attached a copy of the following -

- Construction Certificate, stamped approved plans and relevant documentation
- Notice to Commence Building Work
- Appointment of a Principal Certifying Authority

In accordance with the regulations we have enclosed a cheque for the sum of \$30 00 for the submission of the Part 4A certificate

Should you have any further enquiries please do not hesitate to contact us and we will be pleased to assist you

NB Please forward receipt for the above \$30 00 fee to CERTGROUP Building Certifiers, PO Box 870 Narrabeen NSW 2101

Yours faithfully,



Mark Wysman
CERTGROUP Building Certifiers

Ref. 294516 DB 23/12/10

CERTGROUP Building Certifiers ■ tel 9944 8222 ■ fax 99446330
info@certgroup.com.au ■ www.certgroup.com.au ■ PO Box 870 Narrabeen NSW 2101 ■ abn 47 121 229 166

Construction Certificates ■ Complying Development Certificates ■ Building Code & Planning Consultants



CONSTRUCTION CERTIFICATE DETERMINATION

Issued under the Environmental Planning and Assessment Act 1979
Section 109C (1) (b) 81A (2) and 81A (4)

CONSTRUCTION CERTIFICATE NO	172/2010
------------------------------------	-----------------

DETERMINATION

Decision	Approved
Date of Decision	22 December 2010

SUBJECT LAND

Address	5 Forest Road Warnewood
Lot No DP	Lot 13 DP 1083731

DESCRIPTION OF DEVELOPMENT

Shade Structures

APPLICANT

Name	Mater Maria Catholic College – Mark Suters
Address	5 Forest Road Warnewood
Contact Number (tel)	tel 0404 875 190

OWNER

Name	Mater Maria Catholic College – Mark Suters
Address	5 Forest Road Warnewood
Contact Number (tel)	tel 0404 875 190

BUILDER

Sunshade Australia Pty Ltd

CERTGROUP Building Certifiers ■ tel 9944 8222 ■ fax 99446330
info@certgroup.com.au ■ www.certgroup.com.au ■ PO Box 870 Narrabeen NSW 2101 ■ abn 47 121 229 166

Construction Certificates ■ Complying Development Certificates ■ Building Code & Planning Consultants

PLANS AND SPECIFICATIONS

The development is to be carried out in compliance with the following plans and documentation listed below and endorsed with CERTGROUP Building Certifiers stamp

DRAWING NUMBER

DATE

Architectural Plan No s AWD101-B AWD201-B prepared by Fulton Trotter Architects	18/06/10
---	----------

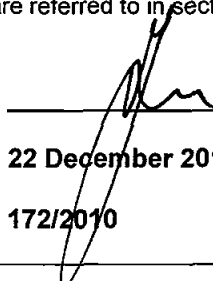
ATTACHMENTS

Structural Plan No s 1331-S01-B prepared by Sun Shade Australia	10/12/10
Structural Design Certificate prepared by Northrop Consulting Engineers	18/06/10
Form 2 Geotechnical Assessment prepared by Todd Halliday & Jeffery & Katauskas P/L	10/12/10 & 22/12/10
Emergency Procedures prepared by Mater Maria Catholic College	January 2011
Fabric Colours & Flammability	Undated
Long Service Levy	03/12/10
Sydney Water Quick Check Stamp Property No 5338403	04/12/10
Construction Certificate Application Received	3/12/2010

CERTIFICATE

I certify that work completed in accordance with documentation accompanying the application for this certificate (with such modifications as verified by the undersigned as may be shown on that documentation) will comply with the requirements of the Environmental Planning and Assessment Regulation as are referred to in section 81A(5) of the Environmental Planning and Assessment Act 1979'

SIGNATURE



DATE OF ENDORSEMENT

22 December 2010

CERTIFICATE NO

172/2010

CERTIFYING AUTHORITY

Name of Certifying Authority
Name of Accredited Certifier
Registration No
Contact No
Address

CERTGROUP BUILDING CERTIFIERS
Mark Wysman
BPB 0449 – NSW Building Professionals Board
PH (02) 9944 8222 FAX (02) 9944 6330
PO BOX 870 NARRABEEN NSW 2101

DEVELOPMENT CONSENT

Council
Development Consent No
Date of Determination

Pittwater
N0508/10
28/10/10

BUILDING CODE OF AUSTRALIA CLASSIFICATION

10a



RECORD OF SITE INSPECTION

Issued under clauses 143B & 143C EPAR 2000

SITE INSPECTION

MEMORANDUM

Project Shade Structures

DA No N0508/10

Address 5 Forest Road, Warriewood

Date 16/12/2010

Type of Inspection Prior to issue of Construction Certificate

Result of Inspection

* The current fire safety measures in the existing building the subject of the inspection are satisfactory Yes No N/a

Details _____

* Whether or not the plans and specifications accompanying the application for the construction certificate adequately and accurately depict the condition of the existing building the subject of the inspection are satisfactory Yes No N/a

Details _____

* Whether or not any building work authorised by the relevant development consent has commenced on the site Yes No N/a

Mark Wysman
Accredited Certifier

NSW BPB 0449

Electrical Environmental Civil Hydraulic Mechanical Structural
Civil Hydraulic Mechanical Structural Environmental Civil Hydraulic Mechanical Structural Environmental Civil Hydraulic Mechanical Structural Environmental Civil Hydraulic Mechanical Structural Environmental Civil Hydraulic Mechanical Structural



NORTHROP

Bringing people, ideas & engineering together

Level 1 Grafton Bond Store 60 Hickson Road Sydney NSW 2000

PO Box H171 Australia Square NSW 1215

T (02) 9241 4188 F (02) 9241 4324 E sydney@northrop.com.au

www.northrop.com.au ABN 81 094 433 100

18 June 2010

Job Number 08750/1331

Mark Suters
Mater Maria Catholic College
5 Forest Road
Warnewood NSW 2102

Dear Mark

**RE New Shade Structure - Mater Maria Catholic College
DESIGN CERTIFICATE – CIVIL ENGINEERING WORKS**

We Northrop Engineers being professional engineers certify that structural drawings numbered 08750\1331 S01 were based on architects drawings provided by Sun Shade Australia and were prepared

- a) under the supervision of a professional structural engineer certified under NPER and
- b) in accordance with the relevant structural requirements of the Building Code of Australia

This certification is based on its professional opinion and on design assumptions that it has made in accordance with normal engineering practice. We trust you find this information satisfactory. If you have any queries please feel free to contact me – (02) 9241 4188

Yours faithfully

Todd Halliday
Structural Engineer
BE MIEAust CPEng NPER
NORTHROP CONSULTING ENGINEERS

CERTGROUP BUILDING CERTIFIERS
APPROVED CONSTRUCTION CERTIFICATE
PLAN / DOCUMENTATION

**GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER
FORM NO 2 - PART A - To be submitted with detailed design for Construction Certificate**

Development Application for	<u>Mater Maria Catholic College</u>
	<small>Name of Applicant</small>
Address of site	<u>Forest Road Warriewood</u>

PART A Declaration made by Structural or Civil Engineer in relation to the incorporation of the Geotechnical issues into the project design

I, Todd Halliday on behalf of Northrop Engineers Pty Ltd
(insert name) (trading or company name)

on this the 10 December 2010
(date)

certify that I am a Structural or Civil Engineer as defined by the Geotechnical Risk Management Policy for Pittwater 2009 I am authorised by the above organisation/company to issue this document and to certify that the organisation/company has a current professional indemnity policy of at least \$2million I also certify that I have prepared the below listed structural documents in accordance with the recommendations given in the Geotechnical Report for the above development and that

Please mark appropriate box

- the structural design meets the recommendations as set out in the Geotechnical Report or any revision thereto
- the structural design has considered the requirements set out in the Geotechnical Report for Excavation and Landfill both for the excavation/construction phase and the final installation in accordance with Clause 32 (b)(iv) of the Geotechnical Risk Management Policy


Geotechnical Report Details

Report Title	<u>Geotechnical Assessment "15427 LS rpt"</u>
Report Date	<u>11 May 2010</u>
Author	<u>L Speckley</u>
Author's Company/Organisation	<u>Jeffery & Katauskas P/L</u>


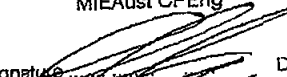
Structural Documents list

<u>08750 - 200 rev A</u>
<u>08750 - 1331 - 201 rev B</u>

I am also aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed development have been adequately addressed to achieve an Acceptable Risk Management level for the life of the structure taken as at least 100 years unless otherwise stated and justified

Signature 
 Name Todd Halliday
 Chartered Professional Status MIE Aust CPEng
 Membership No 975270
 Company Northrop Engineers

CERTGROUP BUILDING CERTIFIERS
 APPROVED CONSTRUCTION CERTIFICATE
 PLAN / DOCUMENTATION

Registered Professional Engineer 975270
Mr Todd Halliday
 MIE Aust CPEng 
 Signature  Date / /
 Registered on the NPER in the area of practice of
Structural
 National Professional Engineers Register

GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER FORM NO 2 - PART B - To be submitted with detailed design for Construction Certificate

Part B of this document must be completed by a Chartered Engineer or Engineering Geologist and/or a Geotechnical Engineer (where applicable) in relation to the excavation and the Geotechnical Issues in Clause 2.1 of the Policy.

I, DAVID GIBBS on behalf of JEFFERSON CONSULTANTS PTY LTD
(insert name) (insert company name)
on this day 22 December 2010
(date)

I certify that I am a Geotechnical Engineer or Engineering Geologist and/or Chartered Engineer as defined by the Geotechnical Risk Management Policy for Pittwater 2008 and I am authorised by the above organisation/company to issue this document and to certify that the organisation/company has a current professional indemnity policy of at least \$2 million. I also certify that I have reviewed the design plans and structural design plans for the Construct on Certificate Stage and that I am satisfied that:

Please mark appropriate box.

The structural design meets the recommendations as set out in the Geotechnical Report or any revision thereto and the structural design has considered the requirements set out in the Geotechnical Report (i.e. Excavation and Landfill) both for the excavation/condition phase and the final installed in accordance with Clause 2.2 (b)(ii) of the Geotechnical Risk Management Policy.

Geotechnical Report Details

Report Title	(<u>GEOTECHNICAL ASSESSMENT</u>)
Report Date	<u>11 MAY 2010</u>
Author	<u>MR T.J. SPEECHLEY</u>
Report Ref No	<u>1A77L4 rpt</u>

Documentation which relates to or is relied upon in report preparation:

<u>STRUCTURAL DRAWINGS</u>	<u>OB750 - 500 REVISION A</u>	<u>with Jeffrey Gibbs as 12 10</u>
	<u>OB750 - 1331_S01 REVISION B</u>	

Notes: I/We also certify that Pittwater Council relies on the process, controlled by the Geotechnical Risk Management Policy, including this certificate, as the basis for ISSUING the geotechnical risk management aspects of the proposed development project. Any deficiency addressed to achieve an Acceptable Risk Management Level for the life of the structure taken as at least 100 years unless otherwise stated and justified.

Signature [Signature]
Name David Gibbs
Chartered Professional Status MIF A & CPEng
Membership No 969495
Company JEFFERSON CONSULTANTS PTY LTD

CERTGROUP BUILDING CERTIFIERS
APPROVED COMPLYING DEVELOPMENT
CERTIFICATE PLAN / DOCUMENTATION

Levy Online Payment Receipt



Thank you for using our Levy Online payment system Your payment for this building application has been processed

Applicant Name	MATER MARIA CATHOLIC COLLEGE
Levy Application Reference	5010578
Application Type	DA
Application No	N0508/10
Local Government Area/Government Authority	PITTWATER COUNCIL
Site Address	5 FOREST ROAD
	WARRIEWOOD
	NSW
	2102
Value Of Work	\$32,780
Levy Due	\$114
Levy Payment	\$114
Online Payment Ref	604233456
Payment Date	3/12/2010 6 46 39 PM

CERTGROUP BUILDING CERTIFIERS
APPROVED CONSTRUCTION CERTIFICATE
PLAN / DOCUMENTATION



APPLICATION FORM

Made under the Environmental Planning and Assessment Act 1979 Sections 81A(2), 84A 85A & 109C, Environmental Planning and Assessment Regulation 2000 clauses 126, 139

To complete this form, please place a tick (✓) in the boxes and complete sections as appropriate
No Faxed applications please

APPLICATION SOUGHT

- Construction Certificate
- Principal Certifying Authority
- Complying Development Certificate
- NSW Housing Code (SEPP Exempt & Complying Development Code)
- Council existing Exempt & Complying Development Policy

Office Use Only
CC 172/2010
CDC
Job WHN19110
Date Receipt
3/12/10

SUBJECT LAND

Address 5 FOREST ROAD WARRIEWOOD
Lot No 13 DP 1083731 SP _____ Vol/Fol Etc _____

DETAILS OF THE APPLICANT

Name / Company MATER MARIA CATHOLIC COLLEGE Contact Person MARK SUTERIS
Mailing Address 5 FOREST ROAD WARRIEWOOD
Postcode 2102 State NSW
E-mail mark.suteris@dbb.edu.au Tel 9997 7044 Mobile 0404 875 190
Applicant Signature _____ Date 22/11/2010

CONSENT OF OWNER(S)

I/ We as the owner/s of the above property authorise for Mark Wysman to provide Construction or Complying Development Certification and to act as the Principal Certifying Authority for the subject building works including site inspections and to lodge the Notice of Commencement/Appointment of the Principal Certifying Authority with the relevant Council

Name / Company MATER MARIA CATHOLIC COLLEGE Contact Person RAY WERREN
ON BEHALF OF THE TRUSTEES OF THE ROMAN CATHOLIC CHURCH
Owner's Address as above DIOCESE OF BROKEN BAY, (PRINCIPAL
Postcode _____ State _____
Mailing Address 5 FOREST ROAD WARRIEWOOD
Postcode 2102 State NSW
E-mail _____ Tel _____ Mobile _____
Owner/s Signature/s for R Werron Date 22/11/10
Date _____

DESCRIPTION OF WORK

Type of work proposed

 New Building Additions / AlterationsClass of Building under Building Code of Australia 10ADescription of the work SHADE STRUCTUREConstruction Cost of Works \$ \$32,780**DETAILS OF THE RELEVANT CONSENTS**Consent No N0508/10 Date issued 28/10/2010Construction Certificate No 172/2010 Date issued 27/12/10

Complying Development Certificate No _____ Date issued _____

STATISTICAL RETURN FOR AUSTRALIAN BUREAU OF STATISTICSWhat is the site area of land? In square metres 56000m²Gross floor area of existing building? NIL if building does not exist In square metres -What is the existing building or site used for at present? Main Uses education

Other Uses _____

Does the site contain dual occupancy? Yes NoGross floor area of proposed building? Shade structures In square metres 166m²What will the proposed building be used for? Main Uses education

Other Uses _____

HOW MANY DWELLINGSAre pre existing at this property? 14 Are proposed to be demolished? 0Are proposed to be constructed? 1 Are attached to an existing building? NOAre attached to a new building? NO How many storeys will the building consist of? single**WHAT ARE THE MAIN BUILDING MATERIALS (PLEASE TICK APPROPRIATE BOXES)****WALLS**

- Full Brick
 Brick Veneer
 Concrete or Stone
 Steel
 Fibrous Cement
 Timber/weatherboard
 Cladding aluminium
 Other

ROOF

- Aluminium
 Concrete of Slate
 Tile
 Fibrous Cement
 Steel
 Other

FLOOR

- Concrete or slate
 Timber
 Other
 Unknown

FRAME

- Timber
 Steel
 Aluminium
 Other

PRIVATE POLICY & TERMS

All information provided by the owner / applicant on this form will be taken to be accurate & correct. CERTGROUP Building Certifiers does not accept any responsibility for any intentional or unintentional error or omission made by the owner / applicant on this form. The information you provide in this notice is required under the Environmental Planning and Assessment Act 1979 if you erect a building. The information will be held by the consent authority and by the council (if the council is not the consent authority). Please contact CERTGROUP Building Certifiers if the information you have provided in this notice is incorrect or changes.

CERTGROUP Building Certifiers ■ tel 9944 8222 ■ fax 99446330
 info@certgroup.com.au ■ www.certgroup.com.au ■ PO Box 870 Narrabeen NSW 2101 ■ abn 47 121 229 166

Construction Certificates ■ Complying Development Certificates ■ Building Code & Planning Consultants

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 Fulton Trotter Architects and is to be used only for work authorised in
 writing by the designers. It cannot be copied directly or indirectly, in whole
 or in part, nor shall it be used for any other building purposes. Unauthorised
 use will be considered an infringement of these rights.

DRAWING SCHEDULE

Drawing Number	Drawing Name
	Titlepage
AWD101	PROPOSED SITE PLAN
AWD201	SHADE SAIL ARRANGEMENT PLAN & ELEVATION

MATERIAL LEGEND

60/60/60	1 hr Fire Rated Wall
90/90/90	1.5 hr Fire Rated Wall
120/120/120	2 hr Fire Rated Wall
A/C	Air Conditioning
BC	Barge Capping
BG	Box Gutter
BL-F	Blockwork- Face
BL-R	Blockwork- Rendered
BR-BP	Brickwork- Bagged And Painted
BR-F	Brickwork- Face
BR-R	Brickwork- Rendered
BS-T	Batten Screen Timber
BS-A	Batten Screen Aluminium
CFC	Compressed Fibre Cement
CH	Coast Hook
CJ	Control Joint
COL	Column
CONC	Concrete
CONC-BF	Concrete Broom Finished
CONC-C	Concrete Coloured
CONC-PF	Concrete - Painted Finish
CR	Curtain Rail
DF	Drinking Fountain
DP	Down Pipe
DW	Dishwasher
EG	Edge Gutter
EGL	Existing Ground Level
EJ	Expansion Joint
EXTG	Existing

CERTGROUP BUILDING CERTIFIERS
 CONSTRUCTION CERTIFICATE No. 173/2010
 Consent No. 10,228/10, Date 23.10.10
 Plans or documents associated with the issue of the Construction Certificate
 Date 22.12.10
 Mark Newman Accreditation No. GPD0449

REV.	DESCRIPTION	DATE	INT.
B	Issue for DA submission	18-06-10	LK
A	Preliminary for Client feedback	17-06-10	LK

fulton trotter
 ARCHITECTS

BRISBANE
 SYDNEY
 TWEED

SYDNEY WATER APPROVED

Level 3
 35 Spring Street
 P O Box 1889
 Bondi Junction
 NSW 2022
 t: 02 9550 9441
 f: 02 9550 9743
 e: sydney@fultontritter.com.au

DIRECTORS
 Andrew Armstrong rsls NSW 6321 QLD 2814
 Greg Isaac rsls NSW 6555 QLD 2920
 Mark Trotter rsls NSW 4421 QLD 1870
 Paul Trotter rsls NSW 7177 QLD 2648
 Robert Wessner rsls NSW 5922 QLD 2633

www.fultontritter.com.au

MATER MARIA CATHOLIC COLLEGE

PROJECT: PROPOSED SHADE SAIL DA PLANS
 CLIENT: FOREST ROAD WARRIEWOODANS
 DRAWING: PROPOSED SITE PLAN

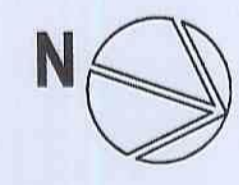
NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE DEVELOPER'S CONSENT

SCALE	DIRECTOR	DRAWN	CHECKED
1:500	GI	LK	GI
PROJECT NUMBER	DRAWING NUMBER	REVISION	
7002WW06	AWD101	B	

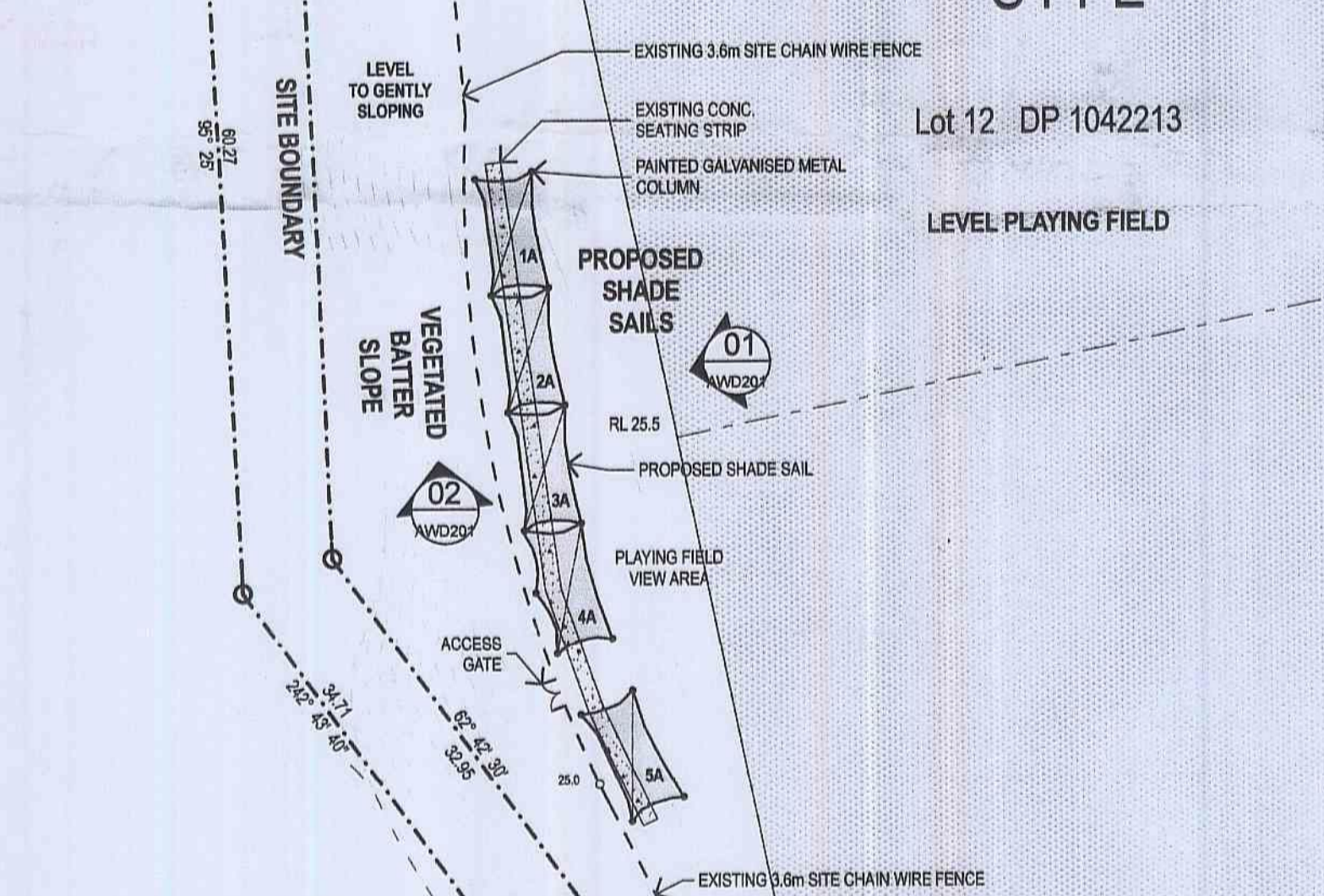
LEGEND:

EXISTING BUILDING
 PROPOSED NEW STRUCTURE

BUSHLAND



MATER MARIA COLLEGE SITE
 Lot 12 DP 1042213



Lot 4 DP 736961

ADJOINING PROPERTY

ADJOINING PROPERTY

ADJOINING PROPERTY
 EXISTING BUSHLAND

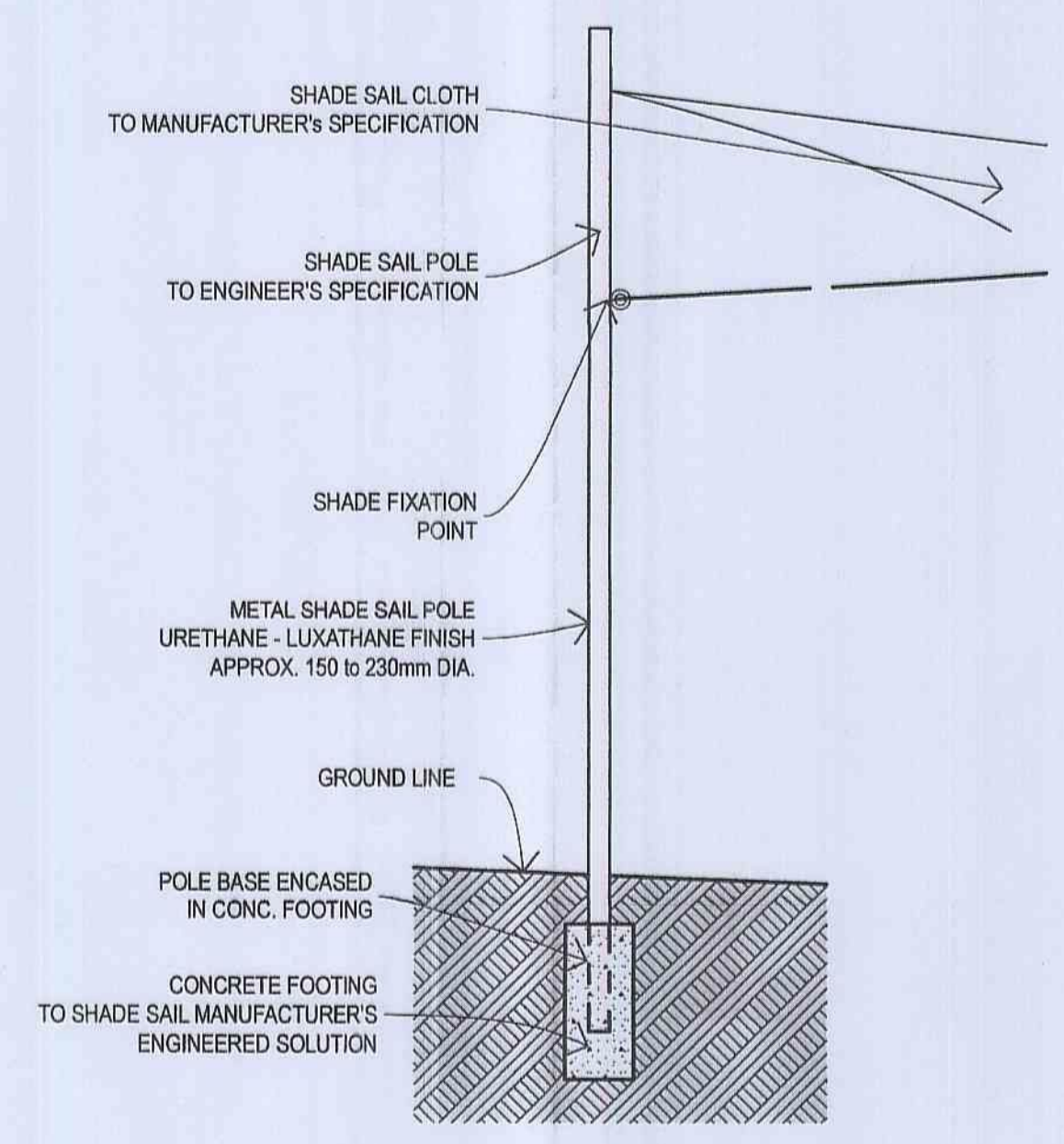
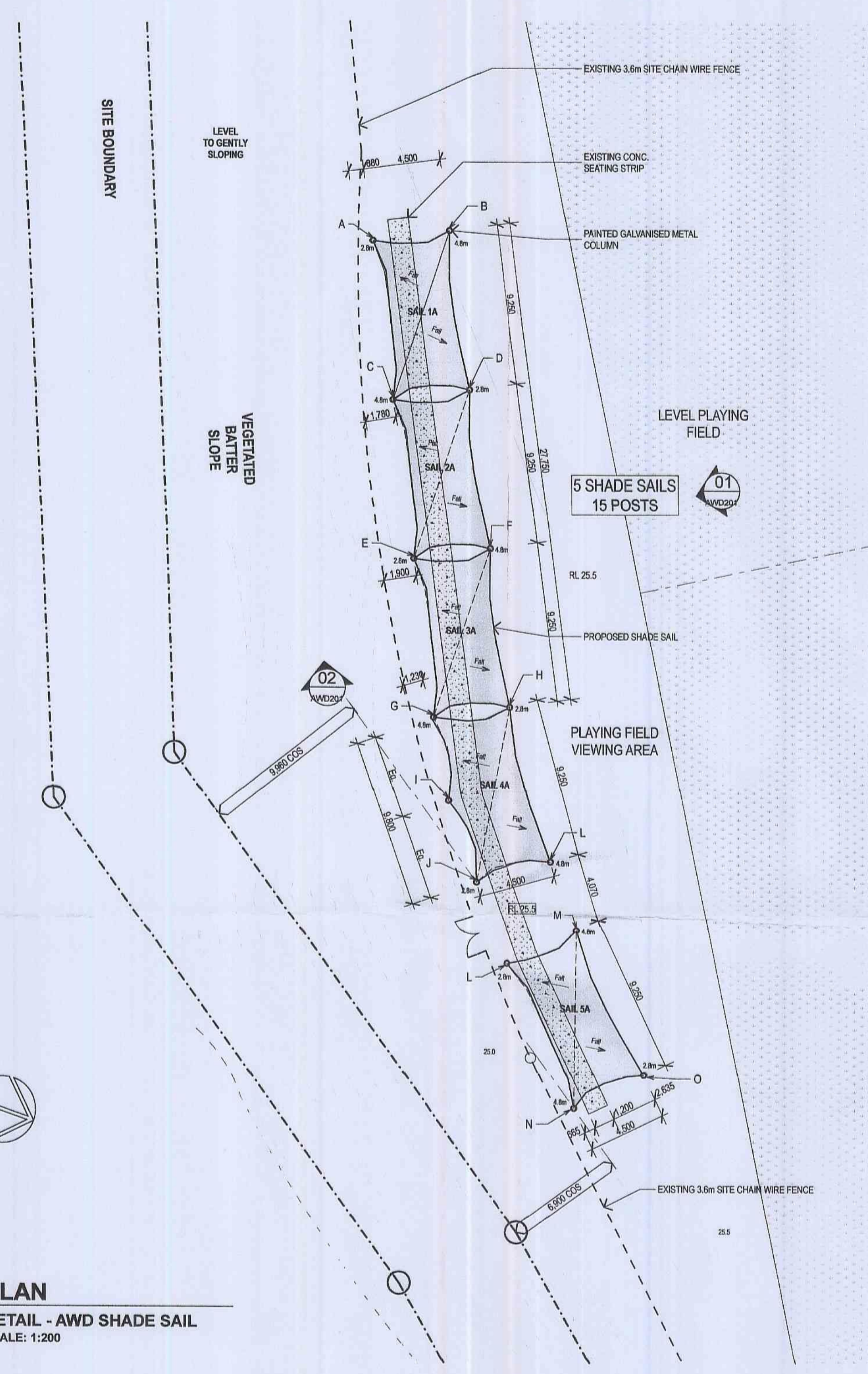
TIMBERED AREA

EXISTING BUSHLAND

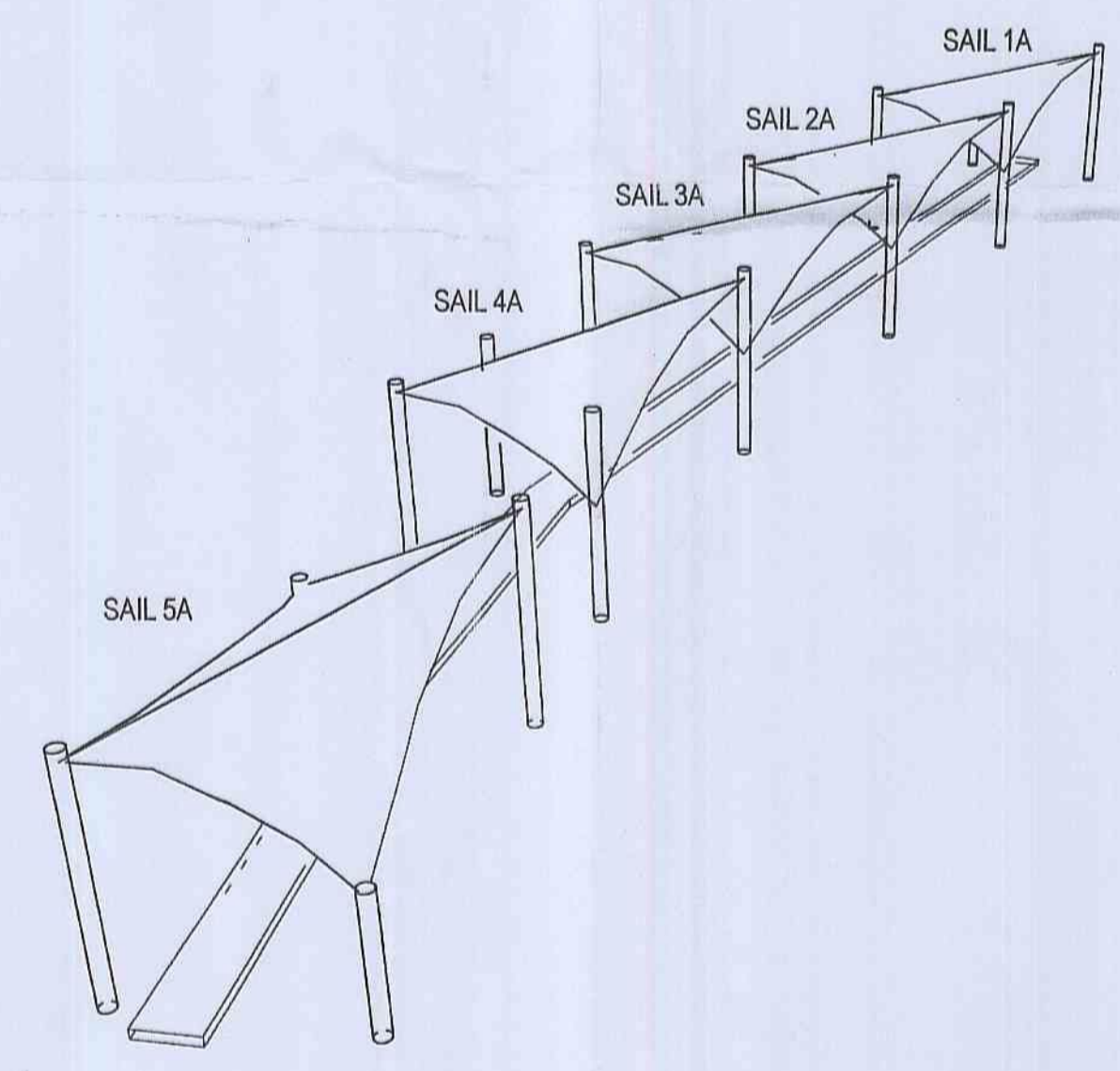
EXISTING BUSHLAND
 ADJOINING PROPERTY

1 PLAN
 DETAIL - AWD SITE PLAN
 SCALE: 1:500

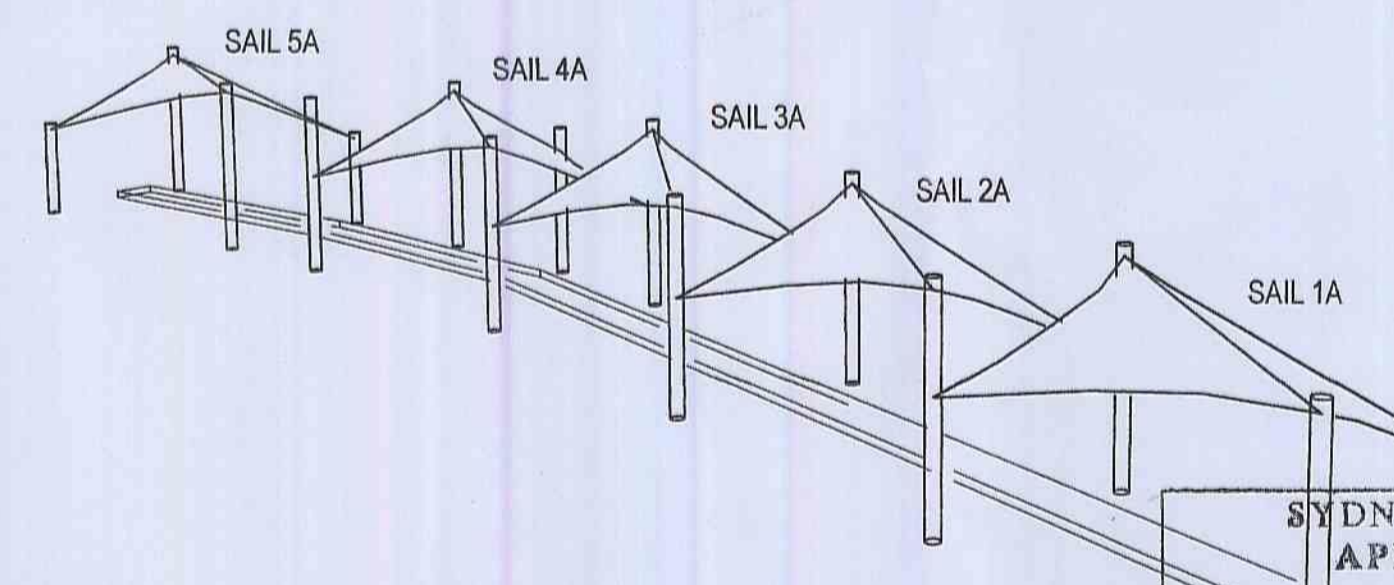
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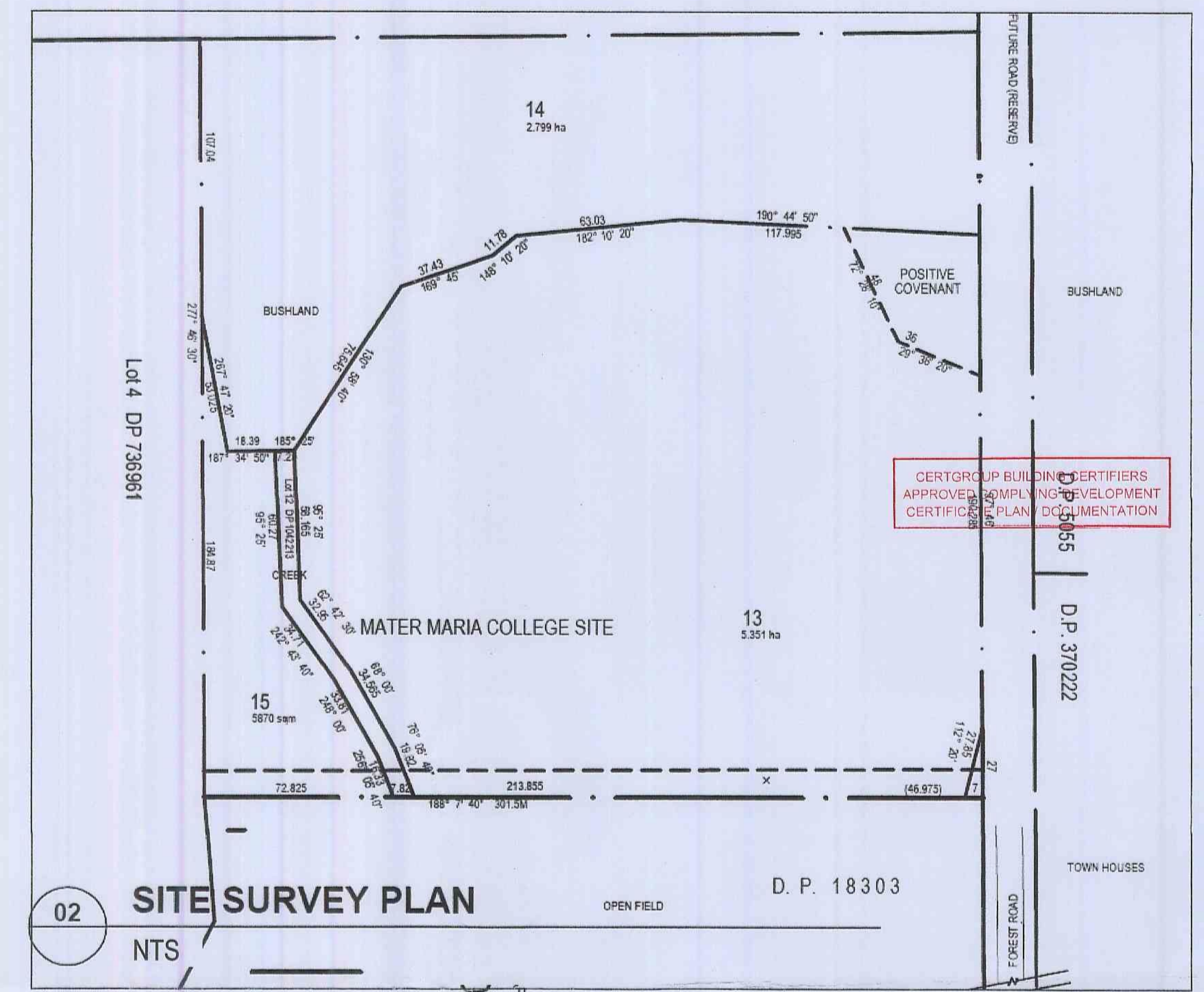
SECTION
 DETAIL - TYPICAL SECTION
 SCALE: 1:50



PERSPECTIVE VIEW 01

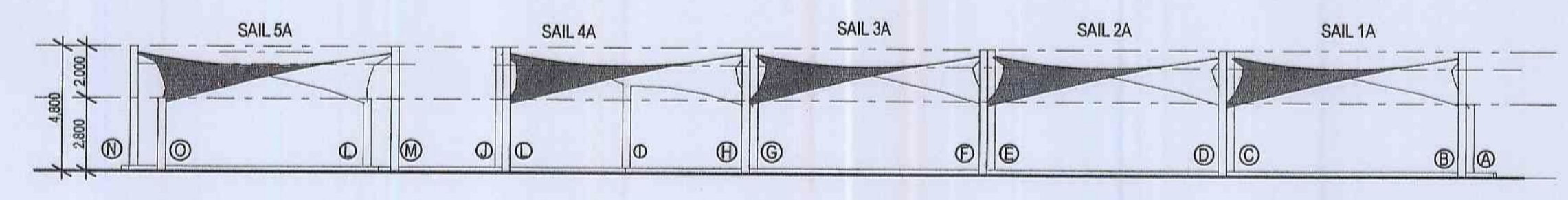


PERSPECTIVE VIEW 02

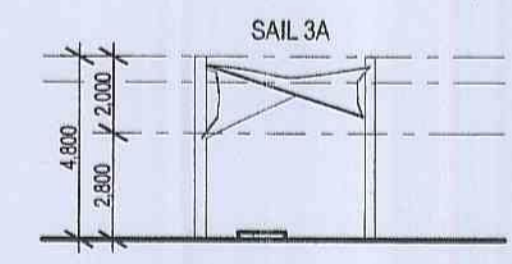


02 SITE SURVEY PLAN
 NTS

PLAN
 DETAIL - AWD SHADE SAIL
 SCALE: 1:200



01 ELEVATION
 DETAIL -
 SCALE: 1:200



02 ELEVATION
 DETAIL - 02 SECTION
 SCALE: 1:200

REV	DESCRIPTION	DATE	INT.
B	Issue for DA submission	16-06-10	LK
A	Preliminary for Client feedback	17-06-10	LK

fulton trotter
 ARCHITECTS
 BRISBANE
 SYDNEY
 TWEED

SYDNEY WATER APPROVED

1. Foundation structure in relation to Sydney Water is satisfactory.
 2. Connections to Sydney Water sewer/water services are satisfactory.
 3. 1. All sewer traps will drain to the sewer.
 4. All traps under Drains, Balconies, Verandahs, Floor or other cover unless otherwise approved by Sydney Water.
 5. Gullies, Inspection Shafts and Boundary Traps shall not be placed under any Roof, Balcony, Verandah, Floor or other cover unless otherwise approved by Sydney Water.
 6. Property No. 533403
 Reece, Mona Vale
 Quick Check Agent on behalf of SYDNEY WATER

MATER MARIA CATHOLIC COLLEGE
 PROPOSED SHADE SAIL DA PLANS
 FOREST ROAD WARRIEWOOD
SHADE SAIL ARRANGEMENT PLAN & ELEVATION

NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT
 SCALE: 1:200
 PROJECT NUMBER: 7002WW06
 DRAWING NUMBER: AWD201
 DIRECTOR DRAWN: LK
 CHECKED: GI
 REVISION: B

150mm @ A1
 100
 150
 150mm @ A1
 plot date: Monday, 21 June 2010
 file location: P:\projects\7002WW Mater Maria College\7002WW06 2010 Shade Sails\7002WW06 Shade Sails.pln

Todd Halliday
Northrop Consulting Engineers - Structural Engineer
BE ME Studies MEng (Eng) Registrar - 975270
National Professional Engineers Register - EC23498
Registered Building Practitioner - Victoria - 10215
Registered Professional Engineer Qld (Civil) - 7512

SSZABATH
DESIGNER
SSZABATH
JOB MANAGER
T Halliday
JOB VERIFIER
TH

ISSUE	AMENDMENT	DATE	VERIFIED	APPROVED
A	ISSUED FOR CONSTRUCTION	18.06.10	TH	TH
B	REVISED FOR CONSTRUCTION	10.12.10	TH	TH

NORTHROP CONSULTING ENGINEERS
P.O. Box 4171
Australia Square - 1215
Sydney, NSW 2000
Telephone (02) 9241 4324
Facsimile (02) 9241 4324
AS/NZS 81 084, 4333 100
Email: sydney@northrop.com.au

SUN SHADE AUSTRALIA
Tel: 9774 5076 Fax: 9774 4380
www.sunshade.com.au
Email: sales@sunshade.com.au

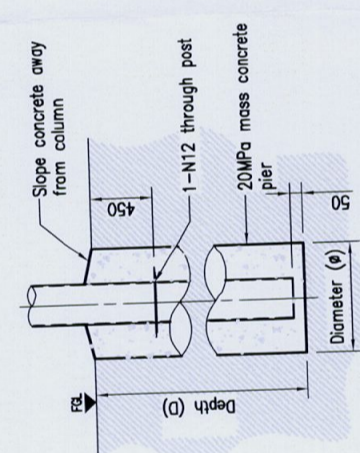
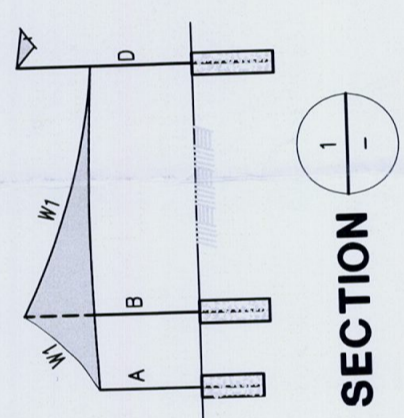
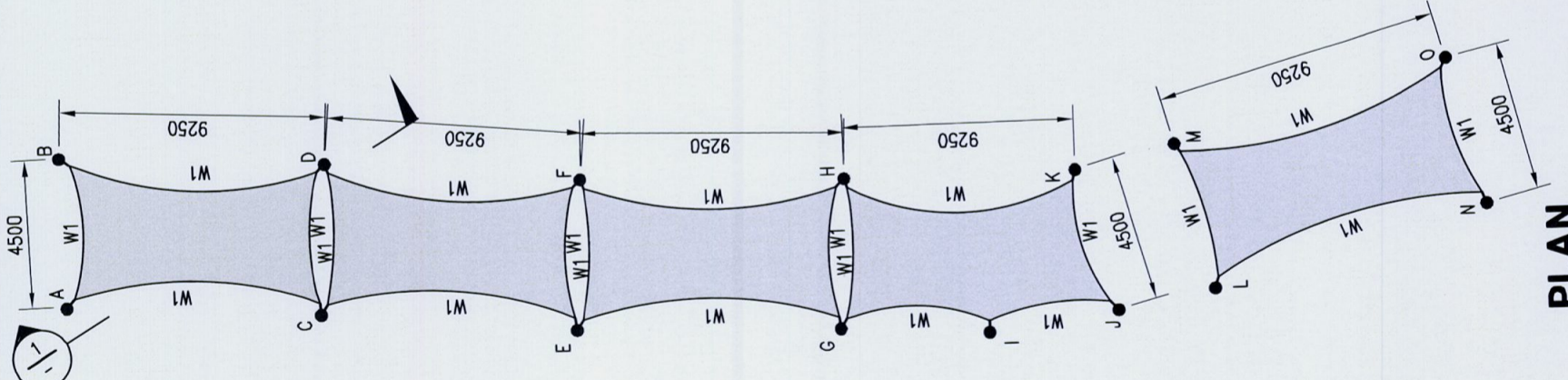
PROJECT
**MATER MARIA COLLEGE,
5 FOREST RD,
WARRIEWOOD, NSW**

DRAWING TITLE
**STRUCTURAL NOTES,
PLAN, DETAILS AND
ELEVATIONS**

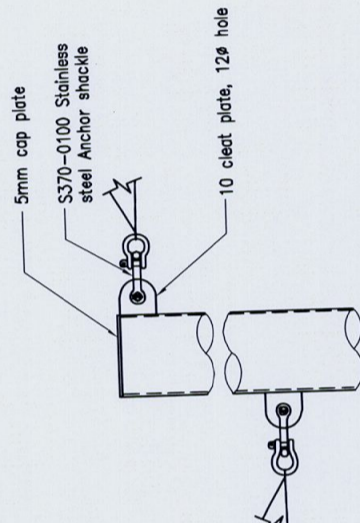
JOB NUMBER
08750

DRAWING NUMBER
1331-S01

REV
B



**TYPICAL FOOTING
DETAIL**



**TYPICAL SAIL CLEAT
TO POST DETAIL**

MEMBER SCHEDULE

MARK	HEIGHT	MEMBER	FOOTINGS	COMMENTS
POSTS				
A, K, L, O	2800	168.3 x 4.8 CHS GR350	1600 D x 600 ϕ	REFER TO TYPICAL FOOTING DETAIL
B, J, M, N	4800	168.3 x 4.8 CHS GR350	1800 D x 600 ϕ	REFER TO TYPICAL FOOTING DETAIL
C, D, E, F, G, H	2800, 4800	168.3 x 6.4 CHS GR350	2000 D x 600 ϕ	REFER TO TYPICAL FOOTING DETAIL
I	3800	168.3 x 4.8 CHS GR350	1600 D x 600 ϕ	REFER TO TYPICAL FOOTING DETAIL
WIRES				
W1		8mm GR2070		

NOTES

- This drawing is to be read in conjunction with 08750 S00.
- Basic Criteria:
Wind Classification (AS4055) - N1
Design Wind Speed (Ultimate) - 34m/s (120km/hr)
Region - A
Terrain Category - TC3.
- Assumed Foundation Conditions:
Compacted Fill.
75kPa Allowable Bearing Capacity.
300mm Topsoil.

WARNING

PLEASE NOTE: The stamping of this plan by CERTGROUP BUILDING CERTIFIERS does not relieve the Applicant's responsibility to obtain approval from Sydney Water or other Authority or utilities prior to commencement of any works.

DIAL BEFORE YOU DIG 1100

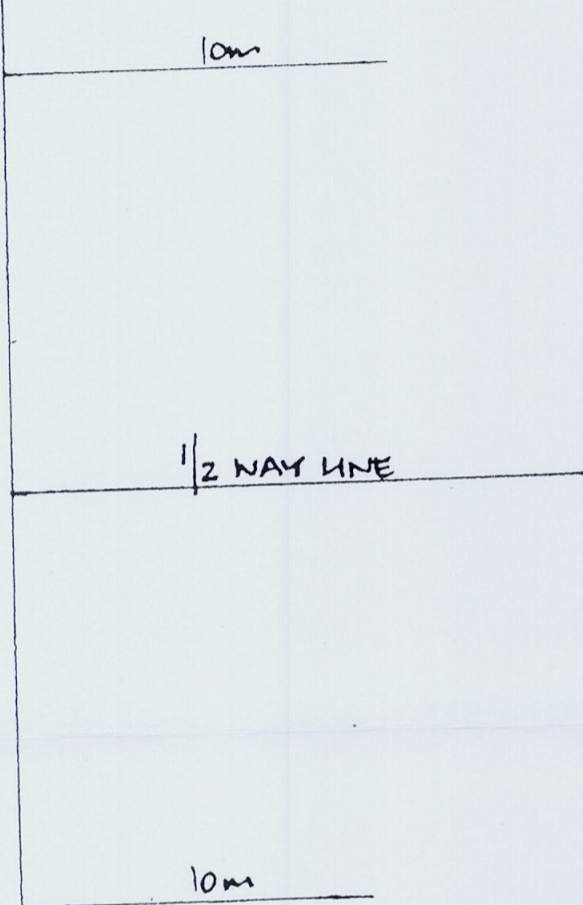
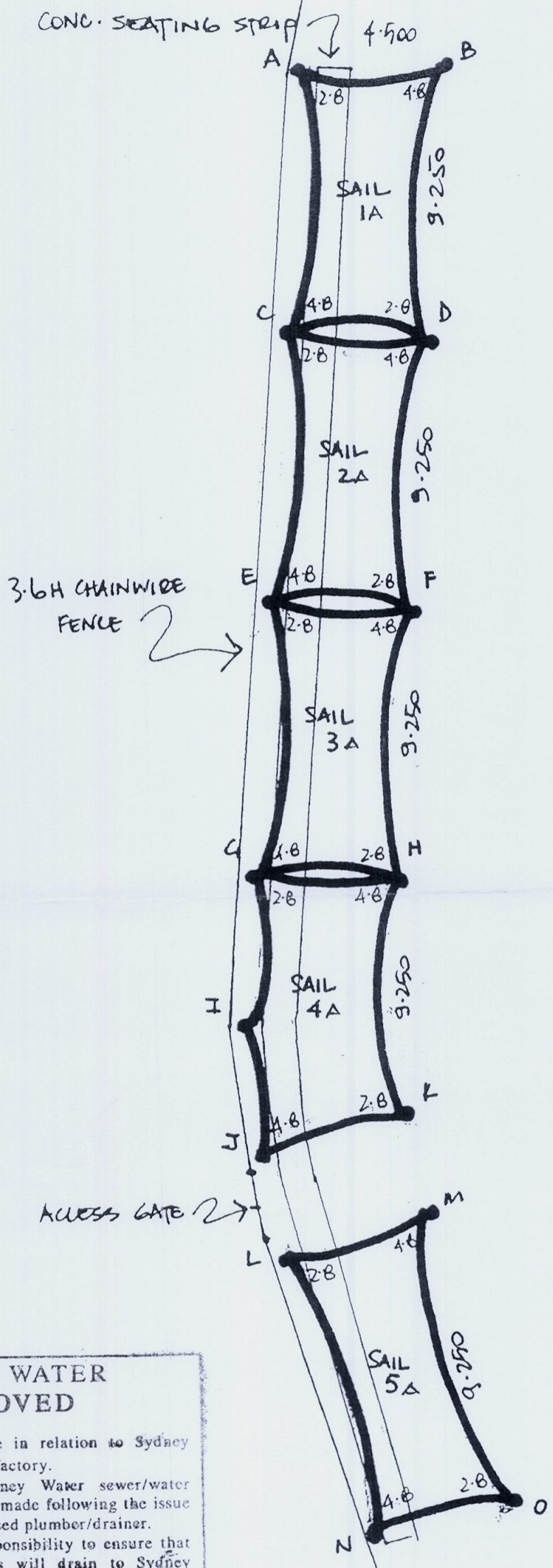
WARNING

PLEASE NOTE: A comprehensive check of the Structural Design has not been carried out. The stamping of this STRUCTURAL PLAN by CERTGROUP BUILDING CERTIFIERS does not relieve the Structural Engineers responsibility to certify the structural adequacy of this development including any variations that may occur during construction.

CERTGROUP BUILDING CERTIFIERS
APPROVED CONSTRUCTION CERTIFICATE
PLAN / DOCUMENTATION 6m 8m 10m

PLAN & ELEVATION

CERTGROUP BUILDING CERTIFIERS
 APPROVED CONSTRUCTION CERTIFICATE
 PLAN / DOCUMENTATION



SYDNEY WATER APPROVED

1. Position of structure in relation to Sydney Water's assets is satisfactory.
2. Connections to Sydney Water sewer/water services may only be made following the issue of a permit to a licensed plumber/drainier.
3. It is the owner's responsibility to ensure that all proposed fittings will drain to Sydney Water's sewer.
4. Any Plumbing and/or Drainage Work to be carried out in accordance with the Sydney Water Act 1994, AS 3500 and the NSW Code of Practice.
5. Gullies, Inspection Shafts and Boundary Traps shall not be placed under any Roof, Balcony, Verandah, Floor or other cover unless otherwise approved by Sydney Water.
6. Property No. 5338403

Reece, Mona Vale
 Quick Check Agent on behalf of
 SYDNEY WATER

Per: [Signature] 12/10

MARY MARY COLLEGE - WARRIEWOOD
 SHADE STRUCTURE PROPOSAL - OVAL SEATING
 SUNSHADE AUSTRALIA - PH (E) AUG 09
 SCALE 1:250 DWG 01

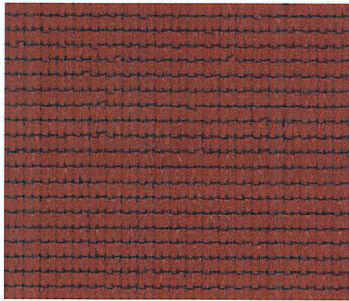
Mater Maria Catholic College

Slattery Field Shade Structure - fabric colours

Sail 1A	Latte
Sail 1B	Sunblaze
Sail 1C	Latte
Sail 1D	True Blue
Sail 5A	Sunblaze

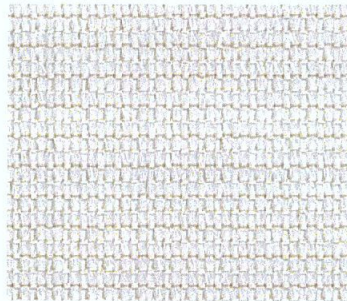
CERTGROUP BUILDING CERTIFIERS
APPROVED CONSTRUCTION CERTIFICATE
PLAN / DOCUMENTATION

EXTRABLOCK®



Sunblaze

UVR: 97.6 UPF: 41 Shade: 94.9'



Cream (non fr)

UVR: 95.4 UPF: 21 Shade: 81.4'



Beige (non fr)

UVR: 95.3 UPF: 21 Shade: 86.8'



Silver

UVR: 97.3 UPF: 37 Shade: 95.5'



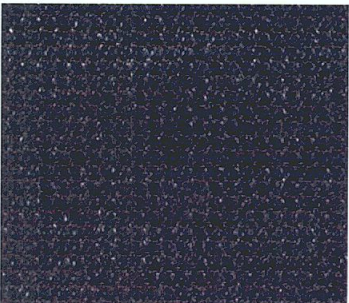
Forest Green

UVR: 95.7 UPF: 23 Shade: 93'



True Blue

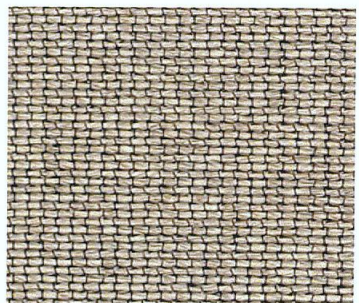
UVR: 97.1 UPF: 34 Shade: 94.5'



Midnight*



Charcoal*



Latte*

*New colour and technical data will be available soon

Please also refer to an actual sample before specifying colours, as colours can vary due to the printing process

Weight	330gsm	Tear Strength ASTM D 1424	Warp 200N, Weft 196N
Width	300cm lay flat & centre folded	Elongation at Break ASTM D 4595	Warp 68%, Weft 58%
Length	32mt & 50mt. Customer lengths upon request	Breaking Force AS 2001.2.3.2	Warp 979N, Weft 1228N
FR AS1530.2	Flammability 1, Spread 0, Heat 1	UVR/UPF/SHADE COVER	AS 4174
FR AS1530.3	Ignitability 13, Spread 7, Heat 2, Smoke 5	UV Warranty	**10 Years
Burst AS2001.2.4	Mean 3000KPa	Stentered	Yes, steam stentered in a flat position for superior lay flat fabric as opposed to hot rollers
Strip Tensile ASTM D 4595	Warp 18kN/m, Weft 26 kN/m		

**Conditions Apply



P: 1300 854 166
F: 1300 658 889
hvg@halifaxvogel.com.au
www.halifaxvogel.com.au

Available from:



www.alnet.co.za

industrial materials

Extrablock Datasheet

- Description:** Extrablock is designed for use in tension structures, sails, awnings & umbrellas. Manufactured using 16 gauge monofilament and tape, Extrablock has high tensile strength and near equal elongation in warp, weft & bias directions. Fire Retardancy comes standard in Sunblaze, Silver, Forest Green, Midnight, Latte, Charcoal & True Blue, while all colors have exceptionally high UVR & UPF levels.
- Application:** Tension Structures, Sails, Roll Up & Fixed Awnings, Umbrellas
- Weight:** 330gsm
- Roll Width:** 3M
- Roll Length:** 50M lay flat
- Colours:** Sunblaze, Cream, Beige, Silver, Forest Green, True Blue, Midnight, Latte & Charcoal
- Construction:** 16 Gauge Mono Yarn & Tape in HDPE
- UVR Levels:** Sunblaze 97.6, Cream 95.4, Beige 95.3, Silver 97.3, Forest Green 95.7, True Blue 97.1, Midnight 97.6, Latte 95.5, Charcoal 95.7
- UPF Levels:** Sunblaze 41, Cream 21, Beige 21, Silver 37, Forest Green 23, True Blue 34, Midnight 41, Latte 22.2, Charcoal 23
- Shade Cover:** Sunblaze 94.9, Cream 81.4, Beige 86.8, Silver 97.5, Forest Green 93, True Blue 94.5
- FR AS1530.2:** Flammability 1, Spread Factor 0, Heat Factor 1
- FR AS1530.3:** Ignitability - 13, Spread of Flame - 7, Heat Evolved - 2, Smoke - 5
- C.F.R:** Meets California Fire Marshalls requirements, Title 19, Section 1237**UV**
- Warranty:** 10 Years
- Burst Strength:** Mean 3000 KPa, AS2001.2.4 -1990
- Strip Tensile Test:** Warp 18 kN/m, Weft 26 kN/m, ASTM D 4595-86
- Tear Strength:** Warp 200N, Weft 196N, ASTM D 1424
- Elongation: At Break** Warp 68%, Weft 58%, ASTM D 4595-86
- Break Force: (Grab test)** Warp 979N, Weft 1228N, AS2001.2.3.2 - 2001

Product Performance and Suitability: All of the descriptive information and recommendations for use of this product shall only be used as a guide. Furnishing such information in no event constitute a warranty of any kind. Buyers shall independently test and determine the suitability of the material for the purpose for which it is intended. No one is authorized to give any warranty, guarantee or make any representation in addition or contrary to the above.

(JW/EC0907 2007)



Halifax Vogel Group in Australia & New Zealand

p 1300 558 882 (Australia wide) +61 (02) 9556 6000 (Outside Australia)

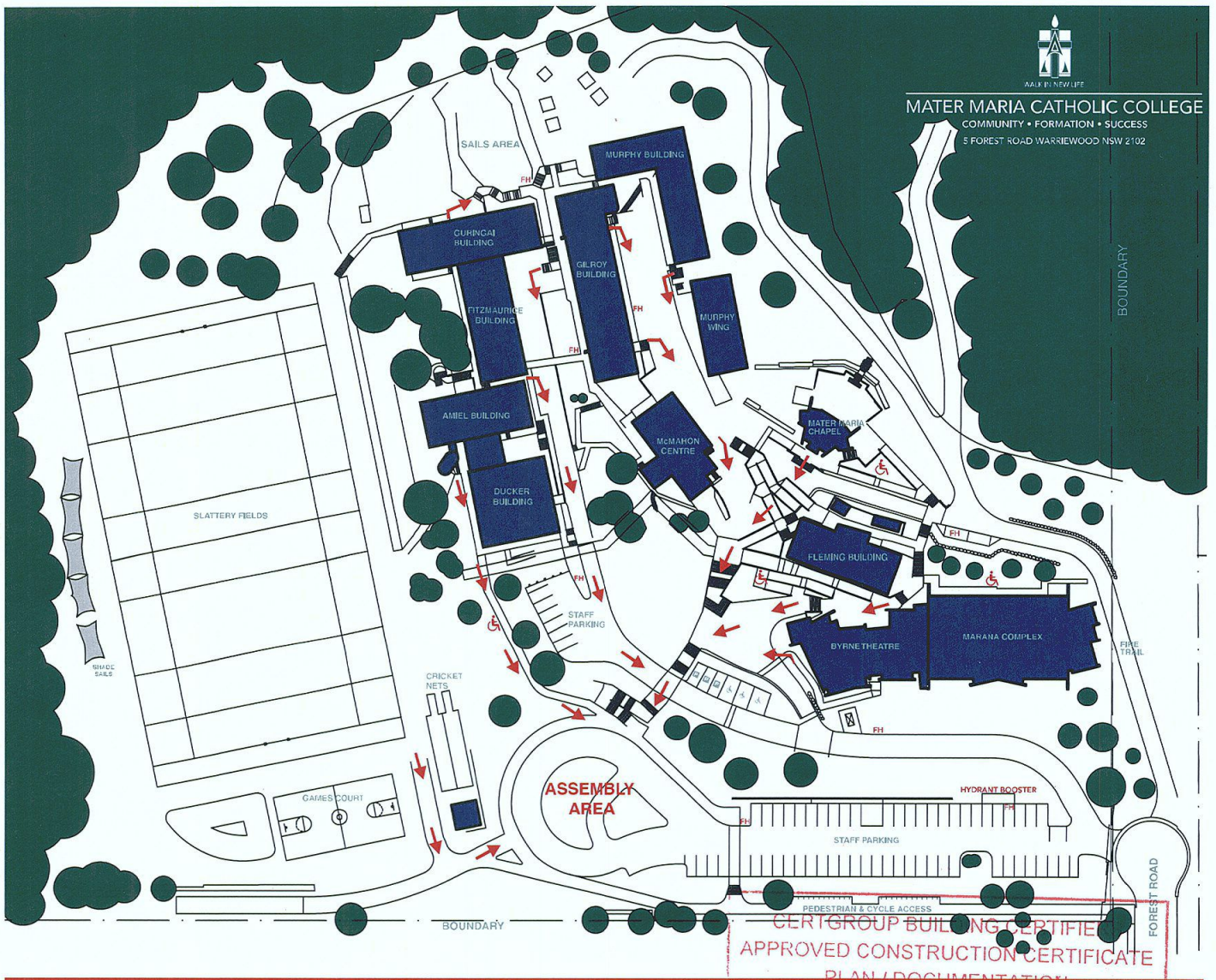
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MATER MARIA CATHOLIC COLLEGE
COMMUNITY • FORMATION • SUCCESS
5 FOREST ROAD WARRIEWOOD NSW 2102



EMERGENCY PROCEDURES

On Hearing the Alert Signal

BEEP...BEEP...BEEP...

- Shut down or secure machinery and computers
- Prepare to evacuate
- Check whether anyone needs assistance  

On Hearing the Evacuation Signal

WHOOOP...WHOOOP...WHOOOP...

- Listen for instructions
- A public announcement will tell you "EMERGENCY, EMERGENCY... EVACUATE NOW"
- Leave the building via the nearest fire exit
- Provide assistance where required  
- Proceed to the assembly area
- Follow instructions from Emergency Authorities and College Staff
- Do not return to any buildings until the all clear is given

Report any emergencies to the Administration Office