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**Civil
Drawing
Register / Transmittal**

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We enclose copies of drawings listed under: Please destroy or remove from use all previous revisions

Drawing Title	Dwg No	Status	JF	Current Issue					Revision or Issue (A-Z,T0-T20,0-50)																									
COVER SHEET	DAC100	AP	B	A	A	B	B	B																										
GENERAL ARRANGEMENT PLAN	DAC101	AP	B	A	A	B	B	B																										
NOTES AND LEGENDS SHEET	DAC105	AP	B	A	A	B	B	B																										
STAGING PLAN	DAC110	AP	B	A	A	B	B	B																										
EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 2	DAC120	AP	B	A	A	B	B	B																										
EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 2	DAC121	AP	B	A	A	B	B	B																										
EROSION AND SEDIMENT CONTROL DETAILS	DAC122	AP	B	A	A	B	B	B																										
STORMWATER MANAGEMENT PLAN STAGE 1 WORKS	DAC130	AP	B	A	A	B	B	B																										
SHEET 1 OF 2			#N/A																															
STORMWATER MANAGEMENT PLAN STAGE 1 WORKS	DAC131	AP	B	A	A	B	B	B																										
SHEET 2 OF 2			#N/A																															
STORMWATER MANAGEMENT PLAN STAGE 2 WORKS	DAC132	AP	B	A	A	B	B	B																										
SITWORKS DETAILS SHEET	DAC140	AP	A	A	A																													
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| AM = Amended | AR = As Requested | ASB = Asbuilt | ICC = Construction Certificate |

| FSP = Final Sketch Plan | AP= For Approval | FC = For Construction | FI = For Information | \$ = For Pricing |

| RV = For Review | TD = For Tender | P = Preliminary | PSP = Preliminary Sketch Plan | WAE = Work As Executed |

Paper/Hardcopy - C Courier | H Hand | XP Xpress Post | PU Pick Up |

Digital Info - Em Email | D Disk | EFT Electronic File Transfer |

Reason For Issue

[illegible]

29 NOV 2010

Sent How

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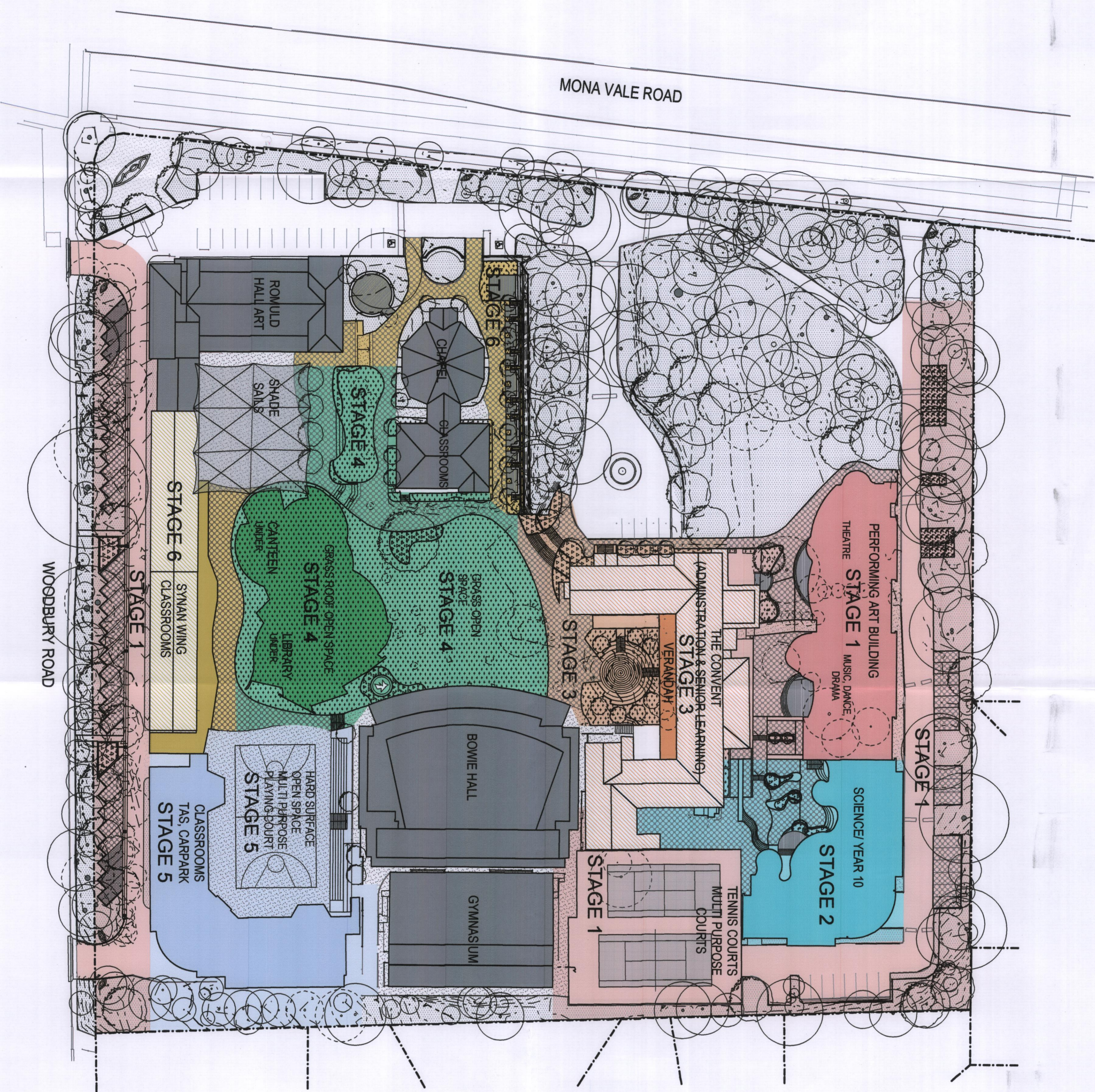
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LEGEND

- EXISTING BUILDING (NO WORK)
- STAGE 1 - NEW BUILDING - NEW EXTERNAL WORKS
- STAGE 2 - NEW BUILDING - NEW EXTERNAL WORKS
- STAGE 3 - NEW BUILDING - NEW EXTERNAL WORKS
- STAGE 4 - NEW BUILDING - NEW EXTERNAL WORKS
- STAGE 5 - NEW BUILDING - NEW EXTERNAL WORKS
- STAGE 6 - NEW BUILDING - NEW EXTERNAL WORKS



REV	DESCRIPTION	DATE	INT.
01	DEVELOPMENT APPLICATION	01.11.10	AF

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BRIGIDINE COLLEGE

PROJECT CLIENT
MASTER PLAN
325 MONA VALE ROAD
ST IVES

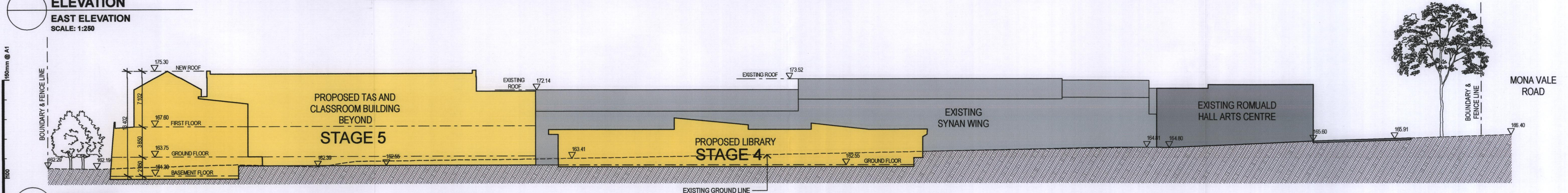
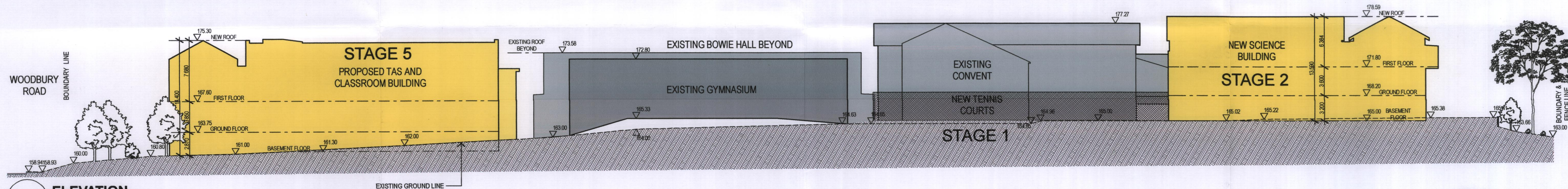
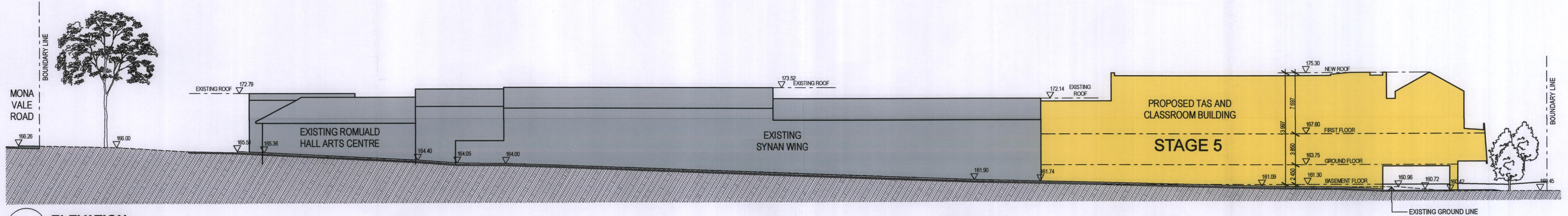
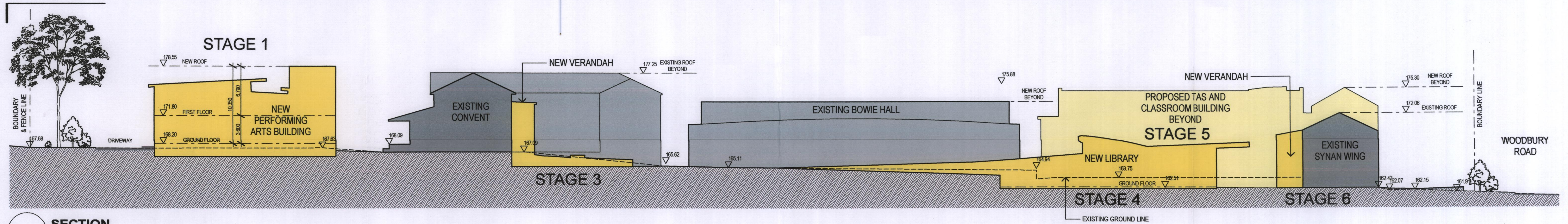
DRAWING ADDRESS
PROPOSED STAGING PLANS

Figure dimensions, take precedence over
scale dimensions. Contractors must verify
all dimensions on site before commencing
any work or making shop drawings.

SCALE @ A1
1:500

DIRECTOR DRAWN
GJ JF
PROJECT NUMBER
704SS102

CHECKED
DA104 NOV 10
REVISION
1 NOV 10
2 NOV 10



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DA	DEVELOPMENT APPLICATION	03.11.10	AF
REV	DESCRIPTION	DATE	INIT.

LEGEND

	EXISTING BUILDING (NO WORK)
	NEW BUILDING WORKS

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ARCHITECTS

BRIGIDINE COLLEGE

MASTER PLAN

325 MONA VALE ROAD
ST IVES

SITE SECTIONS

Figured dimensions take precedence over
scale dimensions. Contractors must verify
all dimensions on site before commencing
any work or making shop drawings.

SCALE @ A1

1:250

PROJECT NUMBER

7045SI02

DIRECTOR

GI

DRAWING NUMBER

DA108

DRAWN

JF

REVISION

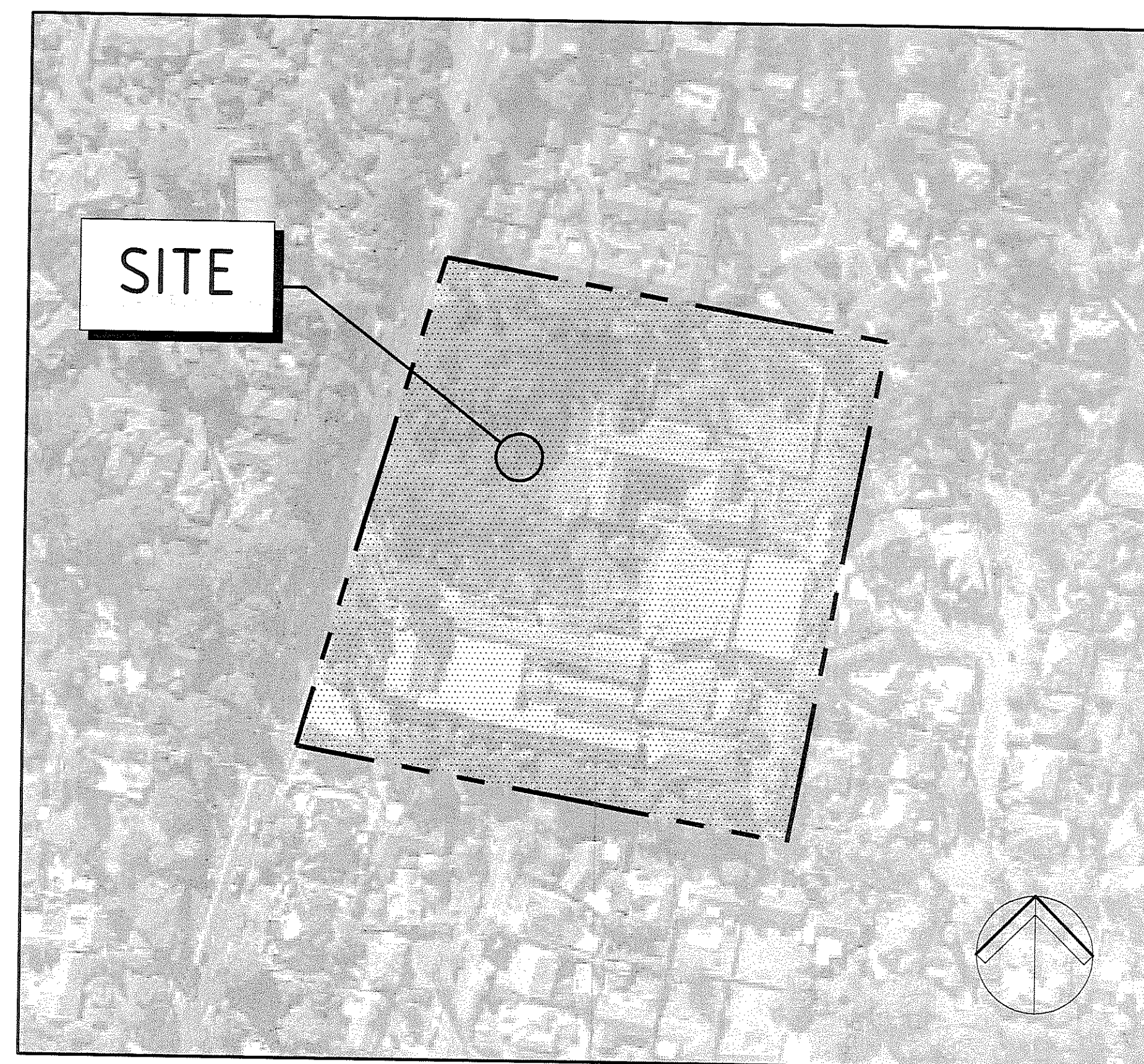
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29 NOV 2010

BRIGIDINE COLLEGE

STAGE 1 & 2

CIVIL WORKS

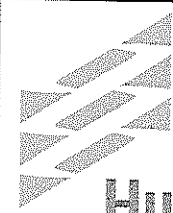


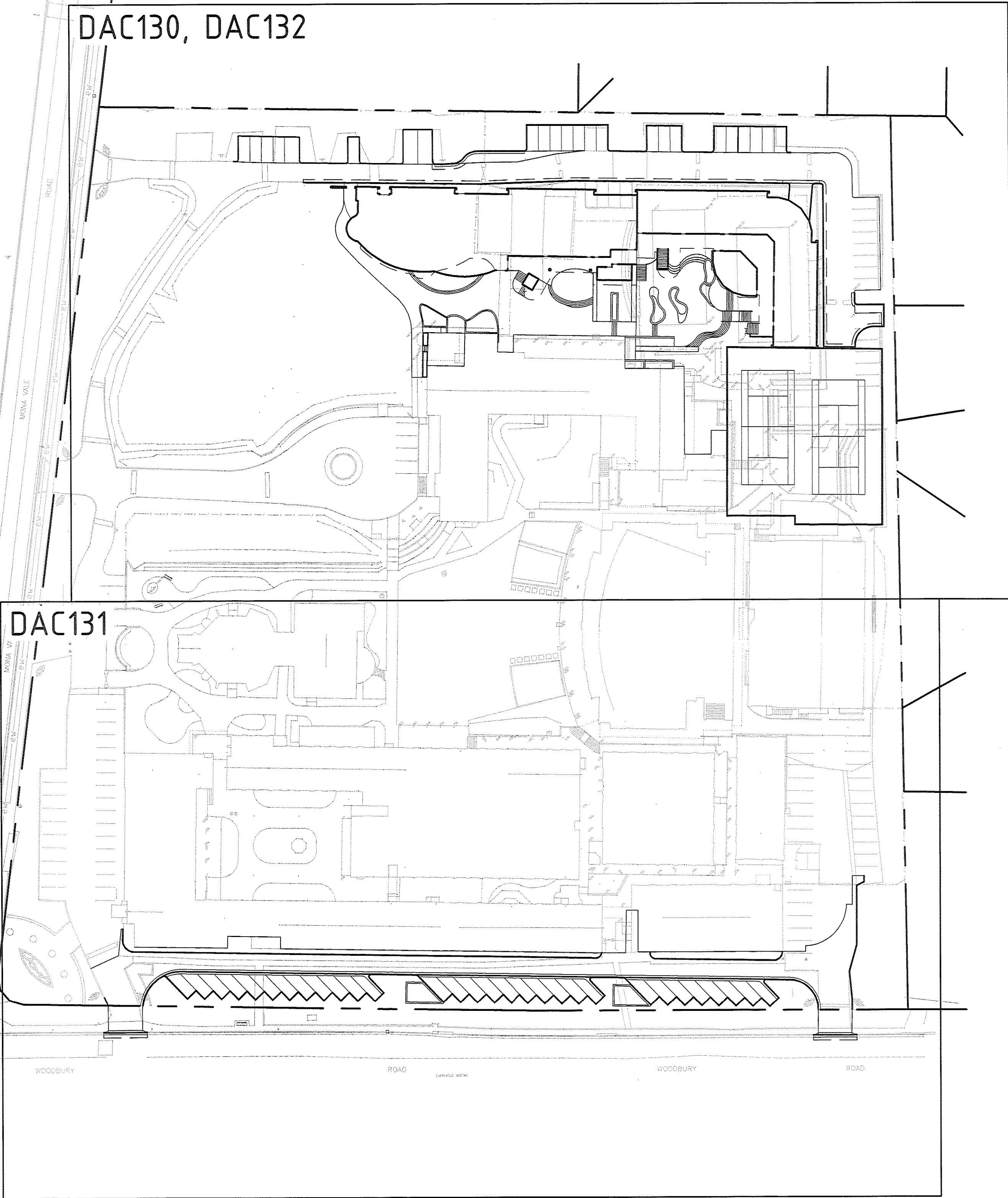
ST IVES
LOCALITY PLAN
Not To Scale

ISSUED FOR DA

Sheet List Table	
Sheet Number	Sheet Title
DAC100	COVER SHEET
DAC101	GENERAL ARRANGEMENT PLAN
DAC105	NOTES AND LEGENDS SHEET
DAC110	STAGING PLAN
DAC120	EROSION AND SEDIMENT CONTROL PLAN
DAC121	EROSION AND SEDIMENT CONTROL PLAN
DAC122	EROSION AND SEDIMENT CONTROL DETAILS
DAC130	STORMWATER MANAGEMENT PLAN STAGE 1 WORKS
DAC131	STORMWATER MANAGEMENT PLAN STAGE 1 WORKS
DAC132	STORMWATER MANAGEMENT PLAN STAGE 2 WORKS

PRELIMINARY - NOT FOR CONSTRUCTION

 HughesTrueman Consulting Engineers Planners & Managers <small>ABN 53 631 529 091 Level 3, 90 Phillip Street, PO Box 163, PARRAMATTA NSW 2150 T +61 2 9691 5044 F +61 2 9691 5386 parramatta@hughestrueman.com.au</small>	<small>Branches @</small> St Leonards Parramatta Canberra Wagga Wagga	<small>Drawing Title</small> COVER SHEET	<div> <div>RECEIVED</div> <div>29 NOV 2010</div> </div>
	<small>Hughes Trueman Project Number:</small> 10P107 - DAC100		<small>Rev</small> B

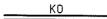
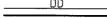
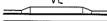
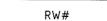
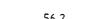
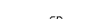
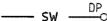
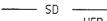
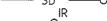


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							Copyright This drawing remains the property of Hughes Trueman Pty. Ltd. It may only be used for the purpose for which it was commissioned & in accordance with the terms of engagement for that commission. Hughes Trueman denies any liability or responsibility for loss or damage caused by the inappropriate use of this drawing.				 ABN 53 891 529 091 Level 3, 90 Phillip Street, PO Box 163, PARRAMATTA NSW 2150 T +61 2 9891 5044 F +61 2 9891 5366 parramatta@hughestrueman.com.au	 BRIGIDINE COLLEGE ST IVES REDEVELOPMENT Client BRIGIDINE COLLEGE Architect/Project Manager FULTON TROTTER ARCHITECTS	Drawing Title GENERAL ARRANGEMENT PLAN <div>RECEIVED 29 NOV 2010</div> <div>10P107 - DAC101</div>	Drawing No. 10P107 - DAC101	Rev B
B	RE-ISSUED FOR DA APPROVAL	03.11.10	BMF	GL	CJA	GWS	* Drawing Status Warning: Unless there is an authorised Hughes Trueman signature at *, this drawing is not authorised for issue.								
A	ISSUED FOR DA APPROVAL	27.10.10	BMF	GL	CJA	GWS									
Rev	Amendment / Reason For Issue	Date	Drawing Completed by	Designed & Checked by	Verified by	Issue Authorised by	This Drawing may have been prepared using COLOUR, but may be incomplete if copied to BLACK & WHITE								

	BOUNDARY
	KERB & GUTTER
	ROAD CROWN
	TELSTRA CABLE WITH PIT
	ELECTRICAL UNDERGROUND CABLE WITH LIGHT POLE
	ELECTRICAL OVERHEAD CABLE WITH POWER POLE
	GAS MAIN WITH METER
	SEWER MAIN WITH MANHOLE
	STORMWATER DRAINAGE LINE WITH PIT
	WATER MAIN WITH STOP VALVE AND HYDRANT
	TREE WITH TYPE, DIAMETER & HIEGHT
	EXISTING SITE CONTOURS (MAJOR)
	EXISTING SITE CONTOURS (MINOR)

	Street Sign (& Legend)
	Traffic Light
	Traffic Sign
	Inspection Opening
	Sewer Vent
	Gully Trap
	Hydrant (Pillar)
	Hydrant (Ground)
	Water Meter
	Stop Cock
	Stop Valve
	Water Tap
	Cable Box/Pillar
	Electrical Cable Marker
	Light Pole
	Power Pole
	Power Pole & Light
	Telecom. Junction Box/Pillar
	Telecom. Pillar
	Bollard
	Electrical Test Point
	Gas Marker Stone
	Gas Valve U/Ground
	Kerb & Gutter
	Kerb Only
	Mountable kerb

	KG	CONSTRUCT KERB AND GUTTER
	KO	CONSTRUCT KERB ONLY
	DD	CONSTRUCT DISH DRAIN
	TES	CONSTRUCT TIMBER EDGE STRIP
	VC	CONSTRUCT VEHICULAR CROSSING
	PR	CONSTRUCT PRAM RAMP
	RW#	CONSTRUCT REINFORCED CONCRETE BLOCK RETAINING WALL
	●P10.00	PROPOSED SURFACE LEVEL
	●G10.00	PROPOSED GRATE LEVEL
	<u>S6.2</u>	PROPOSED SURFACE CONTOUR
		CONSTRUCT STORMWATER DRAINAGE STRUCTURE
	GD	CONSTRUCT GRATED DRAIN
	SW	EXCAVATE AND LAY STORMWATER DRAINAGE LINE
	SW DP	CONSTRUCT UPVC DOWNPIPE CONNECTION
	→ →	CONSTRUCT GRASS CATCH DRAIN
	SD	CONSTRUCT SUBSOIL DRAINAGE LINE
	SD HER	CONSTRUCT SUBSOIL HIGH END RISER
	IR	CONSTRUCT SUBSOIL INTERMEDIATE RISER

GN1	ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA AND THE RELEVANT CURRENT AUSTRALIAN STANDARDS.
GN2	ANY DISCREPANCIES, OMISSIONS OR ERRORS SHALL BE REPORTED TO THE SUPERINTENDENT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
GN3	DO NOT SCALE MEASUREMENTS FROM THE DRAWINGS.

EW1	ALL WORK SHALL COMPLY WITH AS3798 (1996) - GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.										
EW2	ALL WORK SHALL COMPLY WITH THE PROJECT GEOTECHNICAL REPORT - GEOTECHNICAL ENGINEER REPORT REFERENCE NUMBER DD.MM.YY										
EW3	STRIP TOPSOIL TO EXPOSE NATURALLY OCCURRING ENGINEERING MATERIAL AND STOCKPILE ON SITE FOR REUSE AS DIRECTED BY THE SUPERINTENDENT.										
EW	4 ALL SOFT, WET OR UNSUITABLE MATERIAL TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REPLACED WITH APPROVED FILL MATERIAL.										
EW5	ALL FILL MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE SUPERINTENDENT AND SHALL COMPLY WITH THE FOLLOWING - a) FREED FROM ORGANIC AND PERISHABLE MATTER, b) MAXIMUM PARTICLE SIZE 75mm, c) PLASTICITY INDEX - BETWEEN 12% AND 15%.										
EW6	ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 200mm THICK LAYERS AND COMPACTED AT OPTIMUM MOISTURE CONTENT (+ OR - 2%) TO ACHIEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS1289.5.11-2003-METHODS OF TESTING SOILS FOR ENGINEERING PURPOSES OF NOT LESS THAN THE FOLLOWING STANDARD MINIMUM DRY DENSITY -										
	<table border="1"> <thead> <tr> <th>LOCATION</th> <th>STANDARD DRY DENSITY</th> </tr> </thead> <tbody> <tr> <td>UNDER BUILDING SLABS</td> <td>98%</td> </tr> <tr> <td>VEHICULAR PAVED AREAS</td> <td>100%</td> </tr> <tr> <td>NON-VEHICULAR PAVED AREAS</td> <td>98%</td> </tr> <tr> <td>LANDSCAPED AREAS</td> <td>95%</td> </tr> </tbody> </table>	LOCATION	STANDARD DRY DENSITY	UNDER BUILDING SLABS	98%	VEHICULAR PAVED AREAS	100%	NON-VEHICULAR PAVED AREAS	98%	LANDSCAPED AREAS	95%
LOCATION	STANDARD DRY DENSITY										
UNDER BUILDING SLABS	98%										
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NON-VEHICULAR PAVED AREAS	98%										
LANDSCAPED AREAS	95%										
EW7	THE CONTRACTOR SHALL PROGRAM THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLER MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED BY THE CONTRACTOR AT THEIR OWN EXPENSE.										
EW8	TESTING OF THE FILL MATERIAL SHALL BE CARRIED OUT BY AN APPROVED NATA REGISTERED LABORATORY AT THE CONTRACTORS EXPENSE.										

- E51 EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT.
- E52 THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL IF REQUIRED OF ALL REDUNDANT EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- E53 THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- E54 IF REQUIRED, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT AND THE RELEVANT SERVICE AUTHORITY.
- E55 INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. THE CONTRACTOR IS TO GAIN APPROVAL FROM THE SUPERINTENDENT FOR TIME OF INTERRUPTION - THE CONTRACTOR IS RESPONSIBLE FOR ALL LIAISON.
- E56 ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø90mm uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND THE EDGE OF PAVING.
- E57 CLEARANCE AND COVER REQUIREMENTS SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY BEFORE COMMENCEMENT OF WORKS AND SHALL BE ADHERED TO AT ALL TIMES.
- E58 CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER TELECOM OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS ONLY.

GENERAL

AC1 ASPHALTIC CONCRETE MIX DESIGN, MANUFACTURE, PLACING AND COMPACTION SHALL BE IN ACCORDANCE WITH RTA SPECIFICATION RT16-ASPHALT (DENSE GRADED AND OPEN GRADED) AND AS2150- 2005-HOT MIX ASPHALT- A GUIDE TO GOOD PRACTICE. ANNEXURE RT16/1 TO BE COMPLETED BY SUBCONTRACTOR AND SUBMITTED FOR APPROVAL BY SUPERINTENDENT 7 DAYS PRIOR TO AC WORKS.

AC2 MINERAL FILLER TO COMPLY WITH AS2150-2005-HOT MIX ASPHALT- A GUIDE TO GOOD PRACTICE.

MIX PROPORTIONS

AC3 JOB MIX - 7mm NOMINAL SIZE AGGREGATE, MINIMUM BITUMEN CONTENT (%) BY (MASS OF TOTAL MASS) - 5.1%.

AC4 MIX STABILITY - BETWEEN 16kN AND 36kN AS DETERMINED BY RTA TEST METHOD T601-COMPACTION OF TEST SPECIMENS OF DENSE GRADE BITUMINOUS MIXTURES AND T603-STABILITY OF DENSE GRADE BITUMINOUS MIXTURES.

AC5 AIR VOIDS IN COMPACTED MIX - BETWEEN 4% OF VOLUME AND 7% OF THE MIX. VOIDS FILLED IN BINDER. 65-80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH RTA TEST METHOD T601-COMPACTION OF TEST SPECIMENS OF DENSE GRADE BITUMINOUS MIXTURES, T605-MAXIMUM DENSITY OF BITUMINOUS PLANT MIX AND T606-BULK DENSITY OF COMPACTED DENSE GRADED BITUMINOUS MIXTURES.

PAVEMENT PREPARATION

AC6 THE EXISTING SURFACE TO BE SEALED, SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN AND LOOSE MATTER.

AC7 ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING OF MAIN COURSE.

TACK COAT

AC8 THE WHOLE OF THE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COATED WITH RAPID SETTING BITUMEN, APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.30 LITRES/SQUARE METRE. APPLICATION SHALL BE BY MEANS OF A MECHANICAL SPRAYER WITH SPRAY BAR.

SW1 FOR RESIDENTIAL SUBDIVISIONS AND PUBLIC ROADS -

ALL Ø375mm to Ø600mm DRAINAGE PIPES SHALL BE CLASS 4 APPROVED SPIGOT AND SOCKET REINFORCED CONCRETE PIPES WITH RUBBER RING JOINTS (UNO). ALL Ø675mm OR LARGER DRAINAGE PIPES SHALL BE CLASS 3 APPROVED SPIGOT AND SOCKET REINFORCED CONCRETE PIPES WITH RUBBER RING JOINTS (UNO).

ALL uPVC DRAINAGE PIPES IN FOOTWAYS OR ACCESSWAYS SHALL BE DWV GRADE CLASS S8 IN ACCORDANCE WITH AS/NZS1260:2009-PVC-U PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICATION. HEAVY DUTY uPVC PIPES TO BE IN ACCORDANCE WITH AS/NZS1254:2002-PVC PIPES AND FITTINGS FOR STORM AND SURFACE WATER APPLICATIONS MAY BE USED WITHIN ALLOTMENTS.

SW2 FOR COMMERCIAL OR INDUSTRIAL SITES -

ALL Ø300mm to Ø600mm DRAINAGE PIPES SHALL BE CLASS 4 APPROVED SPIGOT AND SOCKET REINFORCED CONCRETE PIPES WITH RUBBER RING JOINTS (UNO). ALL Ø675mm OR LARGER DRAINAGE PIPES SHALL BE CLASS 3 APPROVED SPIGOT AND SOCKET REINFORCED CONCRETE PIPES WITH RUBBER RING JOINTS (UNO).

ALL DRAINAGE PIPES LESS THAN OR EQUAL TO Ø225mm SHALL BE uPVC DWV GRADE CLASS S8 IN ACCORDANCE WITH AS/NZS1260:2009-PVC-U PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICATION WITH SOLVENT WELDED JOINTS.

SW3 EQUIVALENT STRENGTH FIBROUS REINFORCED CONCRETE AND/OR VITRIFIED CLAY PIPE MAY BE USED SUBJECT TO APPROVAL BY THE SUPERINTENDENT.

SW4 ALL PIPE JOINTIONS UP TO AND INCLUDING Ø450mm AND TAPERS, SHALL BE VIA PURPOSE MADE FITTINGS (UNO).

SW5 MINIMUM GRADE TO STORMWATER LINES TO BE 1% (UNO).

SW6 CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.

SW7 ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH WITH NO PROTRUSIONS.

SW8 PRECAST CONCRETE PITS MAY BE INSTALLED IN LIEU OF CAST IN-SITU PITS, WHEN PIPE JOINTIONS ARE ACCOMMODATED WITHIN THE OVERALL DIMENSIONS OF THE PIT, AND APPROVED BY THE SUPERINTENDENT.

SW9 PITS DEEPER THAN 1000mm SHALL HAVE STEP IRONS INSTALLED IN ACCORDANCE WITH THE LOCAL OR STATUTORY AUTHORITY REQUIREMENTS.

SW10 BEDDING SHALL BE TYPE H2 (UNO) FOR PIPES NOT UNDER PAVEMENTS, AND TYPE H52 FOR PIPES UNDER PAVEMENTS IN ACCORDANCE WITH AS/NZS3725:2007-DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPES.

SW11 BACKFILL TRENCH WITH SAND OR APPROVED GRANULAR BACKFILL TO 300mm(MIN) ABOVE THE PIPE. WHERE THE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO PAVEMENT SUBGRADE WITH SAND OR APPROVED GRAVEL SUB-BASE COMPACTED IN 150mm LAYERS TO 98% STANDARD MAXIMUM DRY DENSITY. THE CONTRACTOR IS TO ENSURE COMPACTION EQUIPMENT IS APPROPRIATE FOR THE PIPE CLASS USED.

SW12 WHERE STORMWATER LINES PASS UNDER FLOOR SLABS DWV GRADE uPVC RUBBER RING JOINTS ARE TO BE USED (UNO).

SW13 WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC DWV GRADE CLASS S8 PIPE SHALL BE USED.

SW14 PROVIDE 3m LENGTH OF Ø100mm SUBSOIL DRAINAGE LINE OR 200 'NYLEX' STRIP DRAIN SURROUNDED WITH 150mm of 20mm BLUE MTOLE OR GRAVEL, AND WRAPPED IN 'BIDIM' A24 GEOTEXTILE FILTER FABRIC OR APPROVED EQUIVALENT, AT INVERT OF INCOMING UPSTREAM PIPE ON EACH PIT.

GENERAL

CN1 USE "AS3972-1997-PORTLAND AND BLENDED CEMENTS-TYPE GP" CEMENT (UNO).

CN2 ALL CONCRETE SHALL BE SUBJECT TO PROJECT CONTROL SAMPLE AND TESTING TO AS3600-2001-CONCRETE STRUCTURES.

CN3 CONSOLIDATE BY VIBRATION. CURE SURFACES AS SHOWN ON THE PLANS OR AS DIRECTED IN THE SPECIFICATION OR AS DIRECTED BY THE SUPERINTENDENT.

CN4 FIX REINFORCEMENT AS SHOWN ON DRAWINGS. THE TYPE AND GRADE IS INDICATED BY A SYMBOL AS SHOWN BELOW:

N	HOT ROLLED DEFORMED BAR, GRADE 500
PLAIN	PLAIN ROUND BAR, GRADE 250.
SL / RL	HARD DRAWN WIRE FABRIC SQUARE OR RECTANGULAR

FOLLOWING THIS SYMBOL A NUMERAL INDICATES THE SPECIFIED DIAMETER.

CN5 PROVIDE BAR SUPPORTS OR SPACERS TO PROVIDE CONCRETE COVER AS DETAILED TO ALL REINFORCEMENT.

KERBING NOTES

CN16 ALL CONCRETE KERBS TO HAVE A MINIMUM CHARACTERISTIC COMPRESSIVE STRENGTH $F_{ck} \geq 25 \text{MPa}$ (UNO).

CN17 ALL KERBS, DISH DRAINS, etc. TO BE CONSTRUCTED ON 75mm MINIMUM BASE COURSE.

CN18 KERB EXPANSION JOINTS SHALL BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION.

CN19 EXPANSION JOINTS SHALL BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT 12m MAXIMUM SPACING (UNO).

CN20 TOOLED JOINTS SHALL BE MIN 3mm WIDE AND LOCATED AT MAXIMUM 3m SPACING.

CN21 INTEGRAL KERB JOINTS SHALL MATCH THE LOCATION OF THE PAVEMENT JOINTING.

SNI1 DATUM : DATUM

SNI2 THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK, AND REPORT ANY DISCREPANCIES TO THE SUPERINTENDENT.

SNI3 ALL EXISTING SERVICES INCLUDING ANY NOT SHOWN ON THE PLANS) MUST BE ACCURATELY LOCATED IN POSITION AND LEVEL PRIOR TO ANY EXCAVATION. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. MINIMUM SERVICE CLEARANCES SHALL BE MAINTAINED FROM THE RELEVANT SERVICE AUTHORITY.

SNI4 THE CONTRACTOR SHALL ARRANGE FOR ALL SETTING OUT BY A REGISTERED SURVEYOR.

SNI5 THE CONTRACTOR SHALL OBTAIN ALL REGULATORY AUTHORITY APPROVALS AT THEIR OWN EXPENSE.

SNI6 WHERE NEW WORKS ABOUT EXISTING, THE CONTRACTOR MUST ENSURE THAT A SMOOTH AND EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.

SNI7 ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, UNLESS SPECIFIED OTHERWISE.

SNI8 EXCAVATED TRENCHES SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT NATURAL MATERIAL. ANY SUBSIDENCES DURING THE PERIOD TO BE RECTIFIED AS DIRECTED BY THE SUPERINTENDENT.

SNI9 ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE LANDSCAPE ARCHITECT'S DETAILS AND/OR BY -

PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE, ENSURING THAT NOTHING IS NAILED TO THEM, PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS -

ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 15m OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER, A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (eg A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300mm CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

SNI10 RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SUPERINTENDENT OR AS SPECIFIED IN THE WORKS CONTRACT.

NOTES AND LEGENDS
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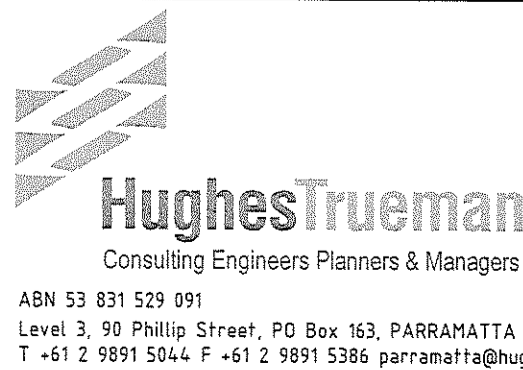
10P107 - DAC105

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St Leon
Parram
Canb
Wagga W



CONSULT AUSTR

Member Firm

Project

BRIGIDINE COLLEGE
ST IVES
REDEVELOPMENT

Client

BRIGIDINE COLLEGE
Architect/Project Manager

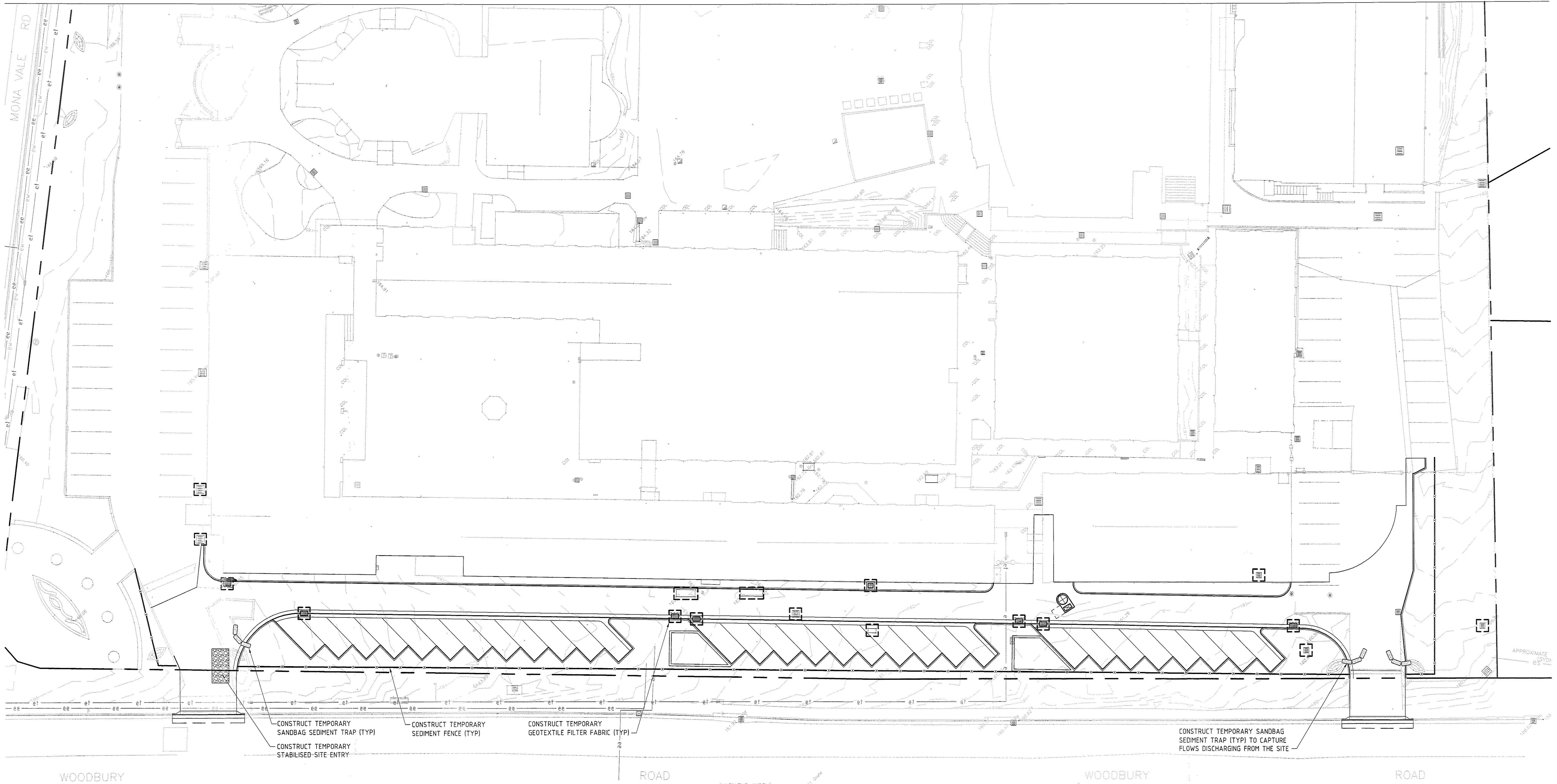
FULTON TROTTER ARCHITECTS

[illegible]

300mm A1 SHEET

200mm

100mm



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B	RE-ISSUED FOR DA APPROVAL						03.11.10	BMF	GL	CJA	GWS	* Drawing Status Warning: Unless there is an authorised Hughes Trueman signature at *, this drawing is not authorised for issue.								
A	ISSUED FOR DA APPROVAL						27.10.10	BMF	GL	CJA	GWS									
Rev	Amendment / Reason For Issue						Date	Drawing Completed by	Designed & Checked by	Verified by	Issue Authorised (*)	This Drawing may have been prepared using COLOUR, and may be incomplete if copied to BLACK & WHITE								

A1 SHEET

200mm

100mm

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Date : 25-11-10 Time : 1:57pm Plotted By : apaciben
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NOT TO SCALE

NOTE:
THIS PLAN HAS BEEN PREPARED AS A GUIDE ONLY.
THE CONTRACTOR SHALL NOTE THAT THE E.P.A. AND COUNCIL WILL
PROSECUTE IF SEDIMENT PLUME FORMS IN THE SURROUNDING WATERWAYS.
IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE NO POLLUTED WATER
(CLOUDY) ENTERS THE STORMWATER NETWORK

 Branches @
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Parramatta
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Project	BRIGIDINE COLLEGE ST IVES REDEVELOPMENT
Client	BRIGIDINE COLLEGE
Architect/Project Manager	FULTON TROTTER ARCHITECTS

Drawing Title

EROSION AND SEDIMENT
CONTROL DETAILS

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