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SITE NOTES:
REFER A04 SITEWORKS DRAWING PACKAGE FOR
LANDSCAPE DETAILS.
REFER CIVIL + SERVICE ENGINEER'S DOCUMENTATION
FOR EXTERNAL SITE WORKS.
REFER SITE SURVEY FOR EXISTING SITE CONDITION.



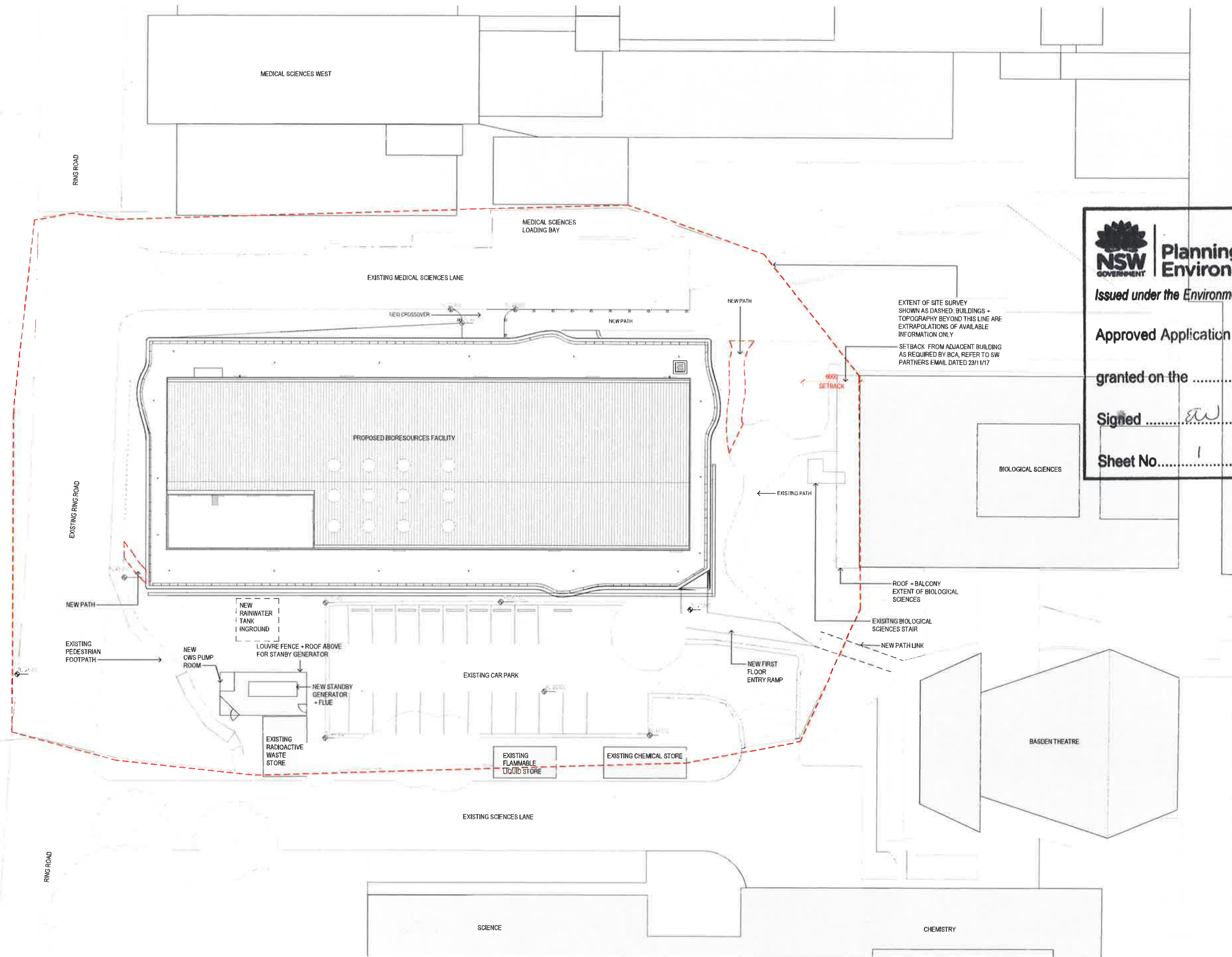
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Approved Application No. SSD 8937

granted on the 20 FEB 2019

Signed EW

Sheet No. 1 of 27



Scale / North Point
1:200 @ A1
1:400 @ A3

Drawing Status
DESIGN DEVELOPMENT
FOR INFORMATION

Drawing Title
SITE PLAN
Drawn By
TA
Checked By
PA
Project Number
D0136
Drawing Number
A01_0100
Revision
D3
Project File
D0136 UoN BioResources_R18
Issue Date
07/09/2018

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Project Title
**D0136 - UON BIORESOURCES
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No.	Date	App.	Revision or Release for Issue
F0	26/02/2018	PA	Concept Design For Approval
S0	03/05/2018	PA	Schematic Design For Approval
S1	08/06/2018	PA	Schematic Design For Approval
D1	25/07/2018	PA	50% DD Milestone For Coordination + Review
D2	11/08/2018	PA	80% DD Milestone For Coordination + Review
D3	07/09/2018	PA	90% DD Milestone For Coordination + Review



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DEMOLITION NOTES:

DEMOLITION PLANS TO BE READ IN CONJUNCTION WITH SERVICES AND CIVIL DOCUMENTATION

ALL WORKS AFFECTING OR IN CLOSE PROXIMITY TO TREES AND VEGETATION TO BE UNDERTAKEN IN ACCORDANCE TO ARBORIST REPORT.

ALL DAMAGE TO SURROUNDING INFRASTRUCTURE RESULTING FROM CONTRACTED WORKS TO BE MADE GOOD UPON COMPLETION OF MAIN WORKS.

CONTRACTOR TO CONFIRM ANY AMBIGUITY WITH ARBORIST PRIOR TO PROCEEDING.

LOCATION AND EXTENT OF SRZ AND TPZ TO BE IDENTIFIED AND PROTECTED IN ACCORDANCE WITH ARBORIST REPORT.

TREES NUMBERED 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 22, 25, 32, 33 ARE TO BE REMOVED.

EXACT LOCATION OF ALL TREES WAS NOT IDENTIFIED AT TIME OF SURVEY. TREE LOCATION AND IDENTIFICATION TO BE SURVEYED AND CROSS REFERENCED WITH ARBORIST REPORT PRIOR TO COMMENCING WORKS.

LEGEND

- NOMINAL EXTENT OF MAIN WORKS
- TO BE DEMOLISHED
- MAIN EXTENT TO BE DEMOLISHED
- STRUCTURAL ROOT ZONE (SRZ)
- TREE PROTECTION ZONE (TPZ)
- TREES TO BE RETAINED
- TREES TO BE REMOVED
- TREE IDENTIFICATION NUMBER IN ACCORDANCE WITH ARBORIST REPORT

Scale / North Point
1:200 @ A1
1:400 @ A3

Drawing Status: ISSUED FOR TENDER FOR INFORMATION

Demolition Plan

Drawn By: TA
Checked By: PA
Project Number: D0136
Drawing Number: A03_0000
Revision: T2
Issue Date: 04/02/2019

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No. Date App. Revision or reason for issue:
T1 25/10/2018 PA Issued for Tender
T2 04/02/2019 PA Requested Planning Amendments

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GA NOTES:

REFER A04 SITEWORKS DRAWING PACKAGE FOR LANDSCAPE DETAILS.

REFER CIVIL AND SERVICES ENGINEERS DOCUMENTATION FOR SITE AND PLANT DRAINAGE REQUIREMENTS AND DETAIL.

REFER TO A35, A36, A37 DRAWING PACKAGES FOR AMENITY/WET AREAS, CIRCULATION, LIFT LOBBY AND TYPICAL SPECIALIST ROOM PLANS AND ELEVATIONS FOR FURTHER INTERIOR DETAILS.

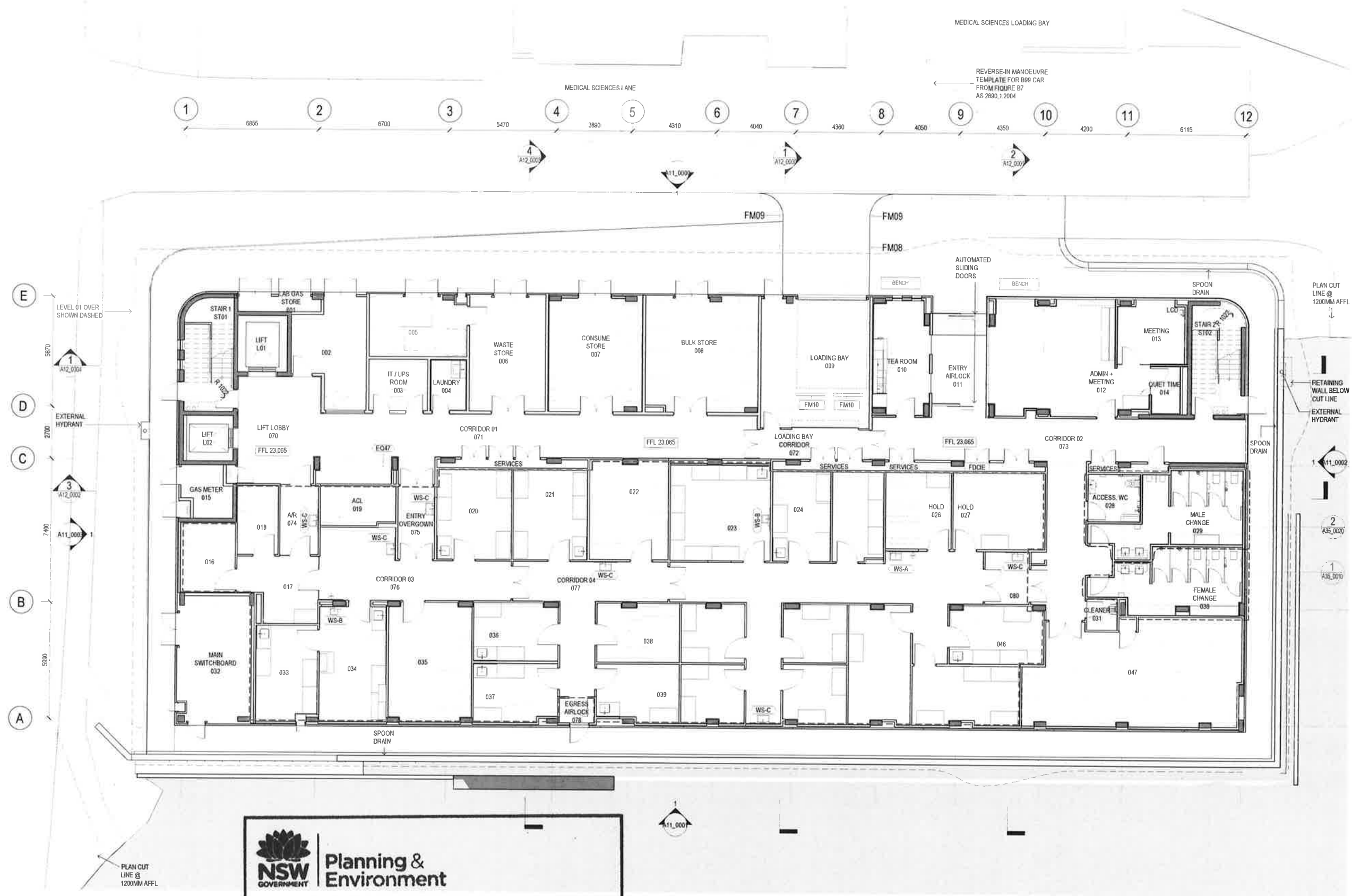
EQUIPMENT NOT INCLUDED FOR PROJECT START-UP SHOWN DASHED REFER FF-E SCHEDULE FOR START UP PROVISIONS.

----- PC2 BARRIER
----- SPF BARRIER

LEGEND

START UP EQUIPMENT

FUTURE PROVISION EQUIPMENT



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Scale / North Point
1:100 @ A1
1:200 @ A3

Drawing Status
ISSUED FOR TENDER
FOR INFORMATION

Drawing Title
GROUND LEVEL - OVERALL PLAN

Drawn By TA	Checked By PA	Reviewed T1
Project Number D0136	Drawing Number A10_0000	Issue Date 25/10/2018
Project File D0136 UoN BioResources_R18		

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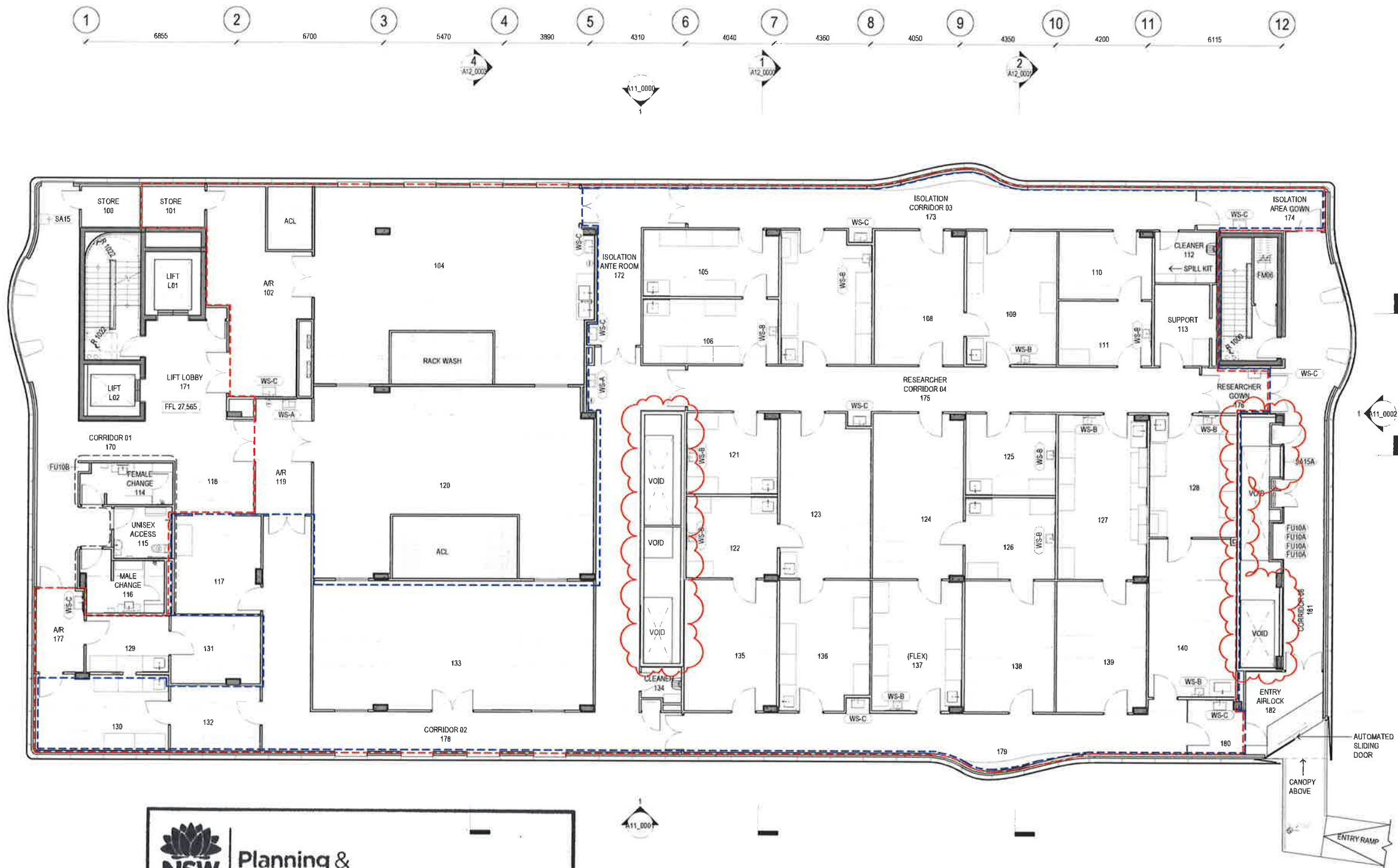
EQUIPMENT NOT INCLUDED FOR PROJECT START-UP SHOWN DASHED REFER FF-E SCHEDULE FOR START UP PROVISIONS.

--- PC2 BARRIER
--- SPF BARRIER

LEGEND

START UP EQUIPMENT

FUTURE PROVISION EQUIPMENT



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Sheet No. 4 of 27

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Scale / North Point
1:100 @ A1
1:200 @ A3

Drawing Status
ISSUED FOR TENDER
FOR INFORMATION

Drawing Title
LEVEL 01 - OVERALL PLAN

Drawn By TA	Checked By PA	Revision T2
Project Number D0136	Drawing Number A10_0100	Issue Date 30/10/2018
Project File D0136 UoN BioResources_R18		

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----- PC2 BARRIER
----- SPF BARRIER

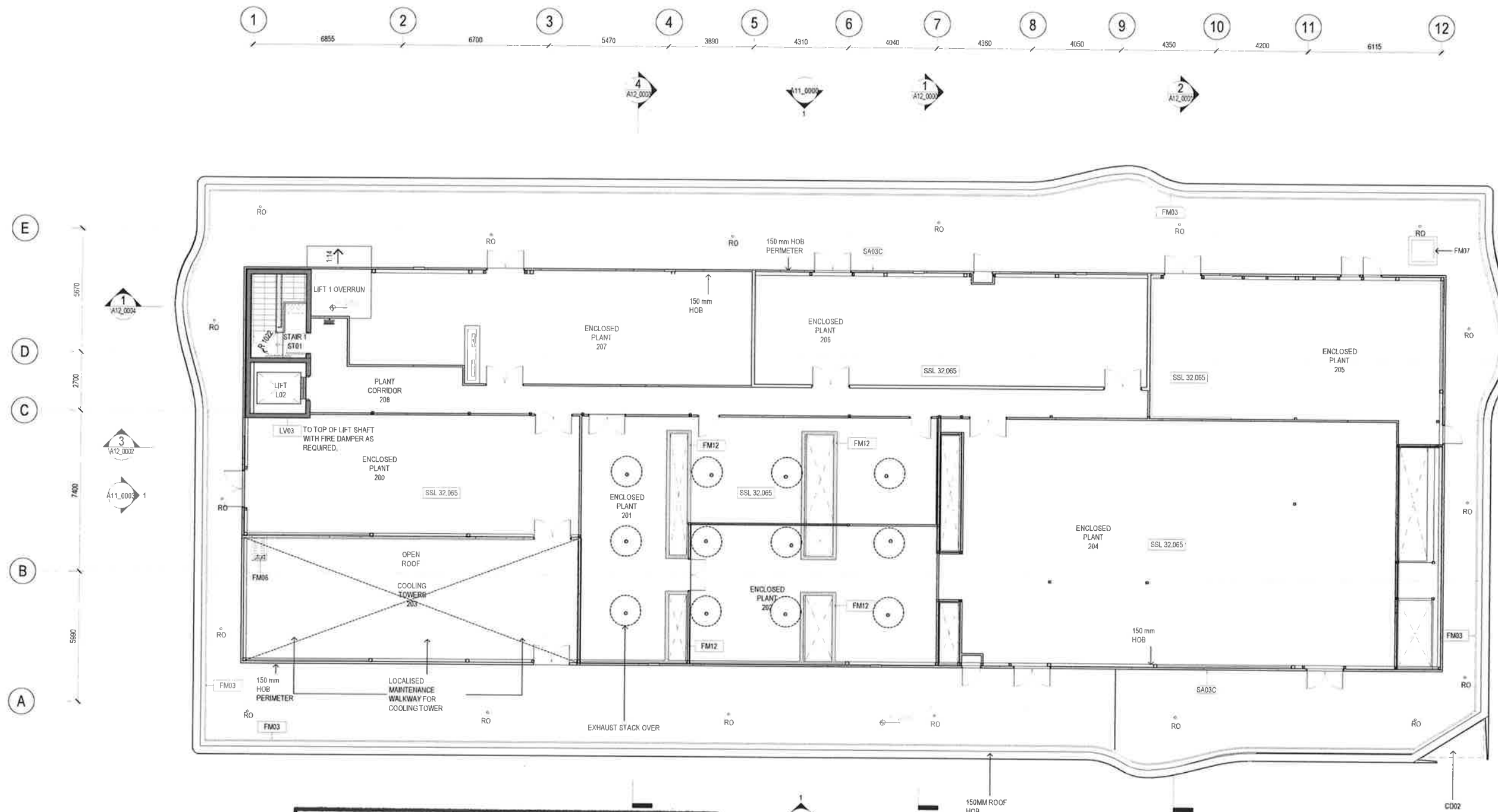
RO = RAINWATER OUTLET
ALLOW FOR SINGLE O/F PENETRATION FOR EACH RO SHOWN

ROOF SLAB TO FALL TO SUIT RAINWATER OUTLET LOCATIONS

150 HOB TO BE PROVIDED TO:

PERIMETER OF ROOF SLAB
PERIMETER OF ROOF PLANT ENCLOSURE
PERIMETER OF COOLING TOWER ENCLOSURE
ALL LEVEL 02 PENETRATIONS

NOMINAL PLANT + EQUIPMENT SHOWN DASHED



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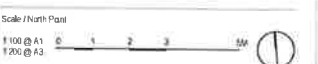
Sheet No. 5 of 27

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Drawing Status
**ISSUED FOR TENDER
FOR INFORMATION**

Drawing Title
LEVEL 02 - OVERALL PLAN

Drawn By	Checked By	Revision
TA	PA	
Project Number D0136	Drawing Number A10_0200	Revision T2
Project Title D0136 UoN BioResources_R18	Issue Date 28/10/2018	

No.	Date	Appr.	Revision or reason for issue
T1	25/10/2018	PA	Issued for Tender
T2	28/10/2018	PA	Issued for Tender

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GA NOTES:

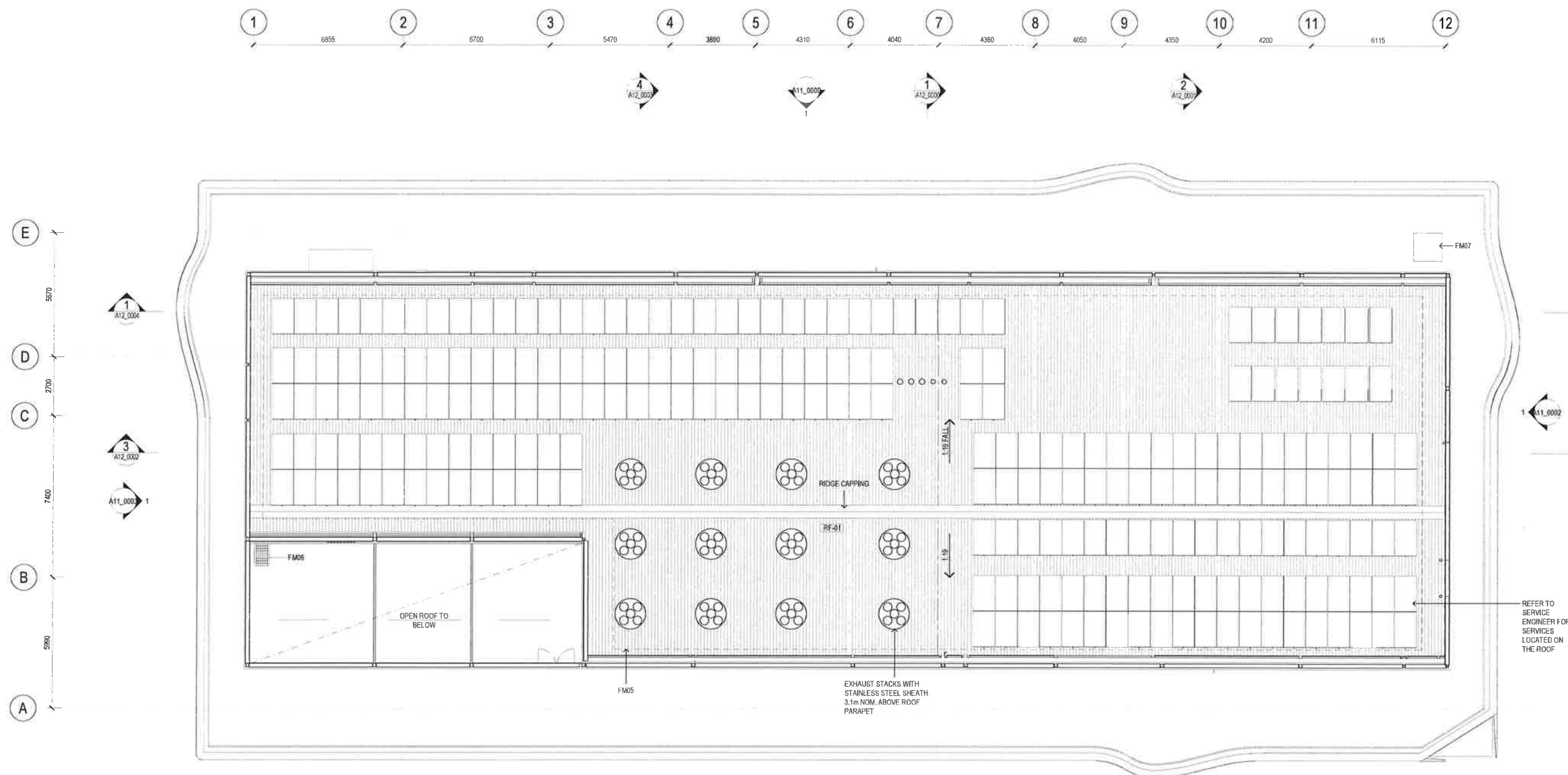
REFER A04 SITEWORKS DRAWING PACKAGE FOR LANDSCAPE DETAILS.

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----- PC2 BARRIER
----- SPF BARRIER



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Project Title
**D0136 - UON BIORESOURCES
UNIVERSITY OF NEWCASTLE**

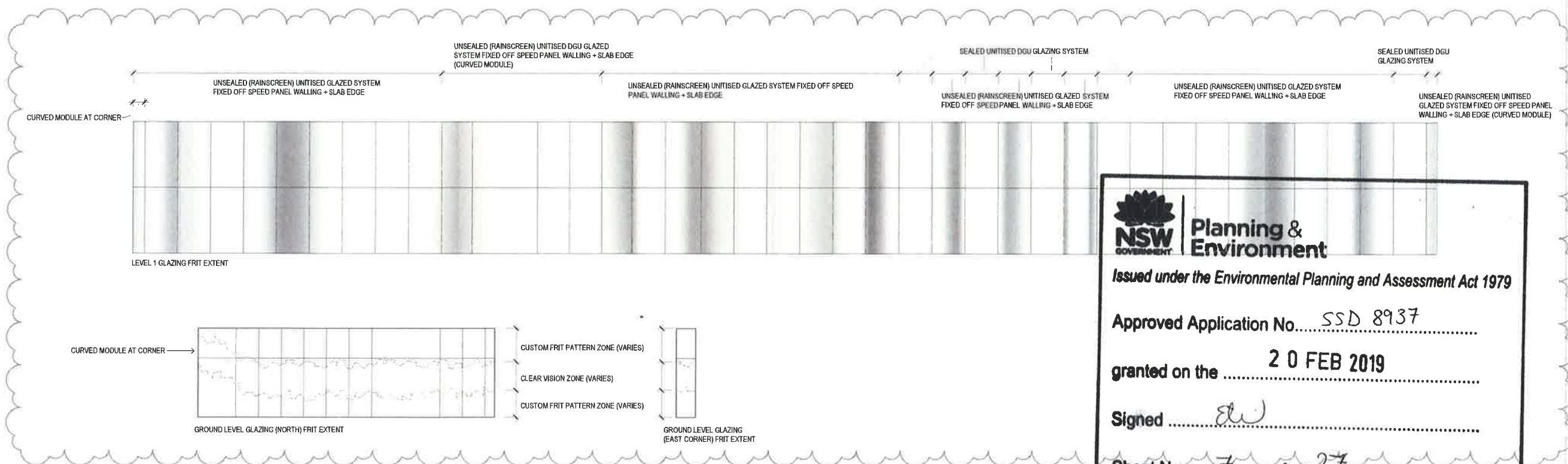
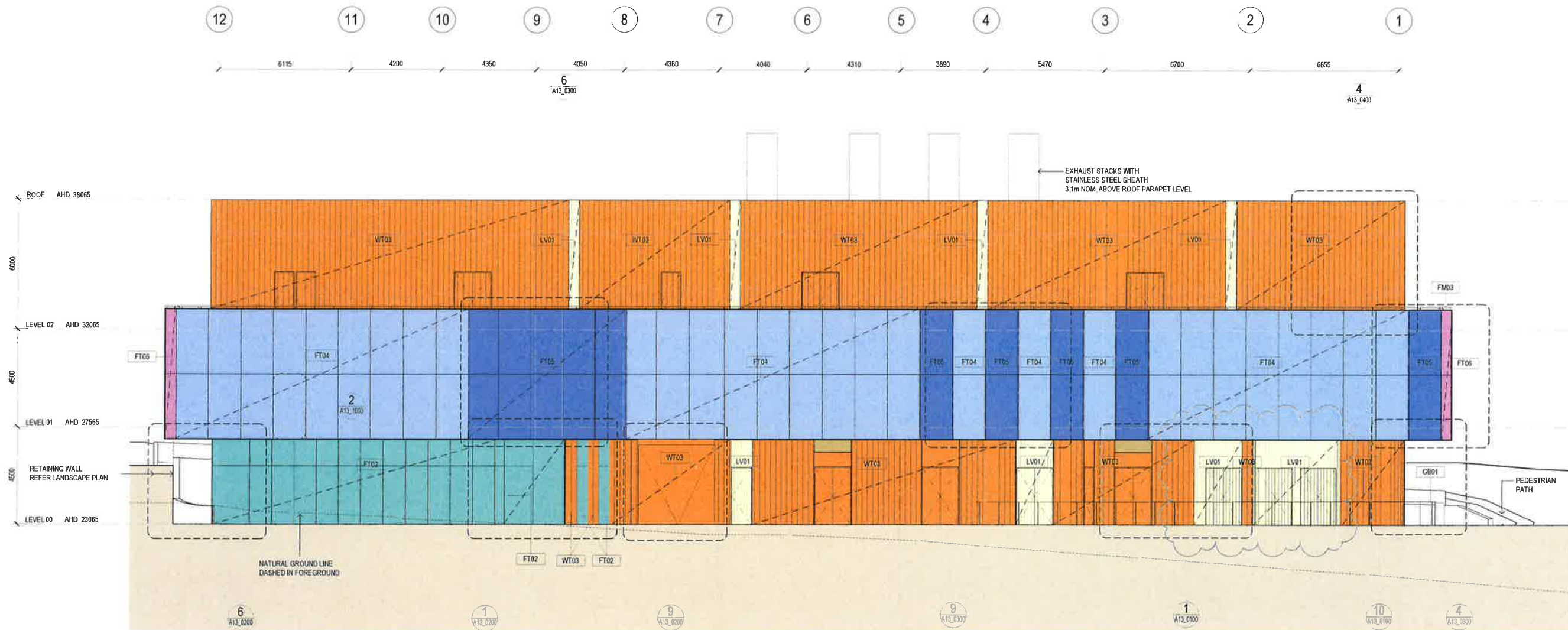
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Scale (North Point)
1:100 @ A1
1:200 @ A3

Drawing Status
**ISSUED FOR TENDER
FOR INFORMATION**

Drawing Title
ROOF LEVEL - OVERALL PLAN

Drawn By	Checked By	Reason
TA	PA	T2
Project Number	Drawing Number	Issue Date
D0136	A10_0300	
Project File		
D0136 Uon BioResources_R18		26/10/2018



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Sheet No. 7 of 27

No. 11
Date 25/10/2018
App. PA
Whereon or reason for issue Issued for tender

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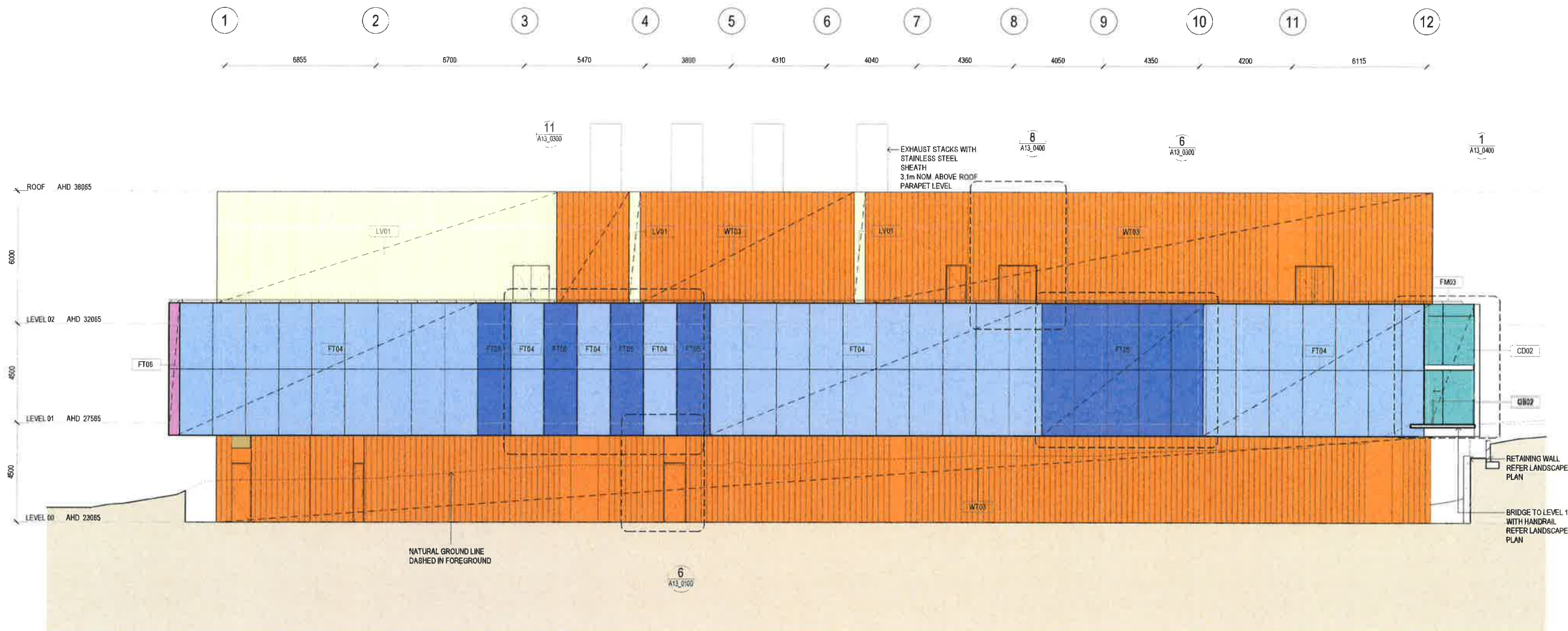
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Drawing Title
GA ELEVATIONS - NORTH

Drawn By YC	Checked By PA	Revision T1
Project Number D0136	Drawing Number A11_0000	Issue Date 25/10/2018
Project File D0136 UoN BioResources_R18		



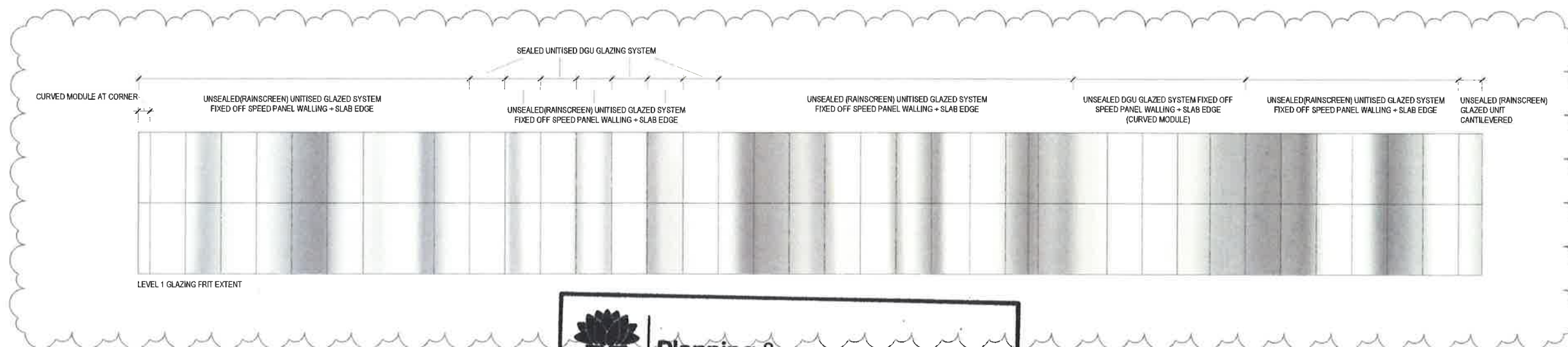
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FT02	FT04
FT05	FT06
WT03	LV01
LV02	LV03

GA ELEVATION NOTES:

REFER TO A13 DRAWING PACKAGE FOR FACADE DETAILS.

WHERE LV01 INDICATED, ALLOW FOR LV02 TO ALL ACTIVE ROOF PLANT LOUVRES AND TO BE INSTALLED BEHIND LV01 UNO.



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Scale / North Point
1:100 @ A1
1:200 @ A3

Drawing Status
DESIGN DEVELOPMENT
FOR INFORMATION

Drawing Title
GA ELEVATIONS - SOUTH

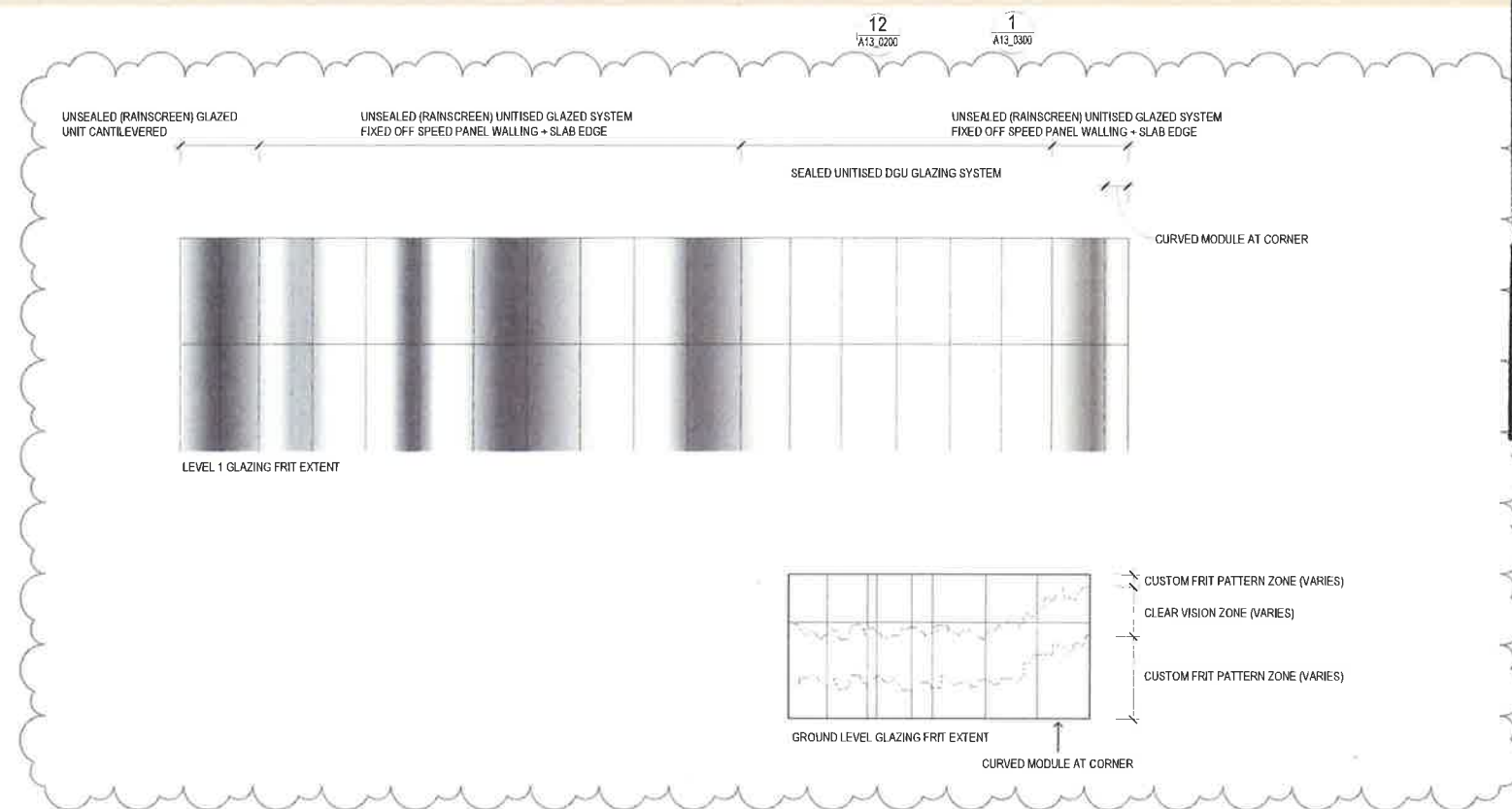
Drawn By YC	Checked By PA	Revision T1
Project Number D0136	Drawing Number A11_0001	Issue Date 25/10/2018
Project File D0136 UoN BioResources_R18		

No.	Date	App.	Revision or reason for issue
T1	23/10/2018	PA	Issued for Tender

FT02	FT04
FT05	FT06
WT03	LV01
LV02	LV03

REFER TO A13 DRAWING PACKAGE FOR FACADE
DETAILS.

WHERE LV01 INDICATED, ALLOW FOR LV02 TO ALL
ACTIVE ROOF PLANT LOUVRES AND TO BE INSTALLED
BEHIND LV01 UNO.

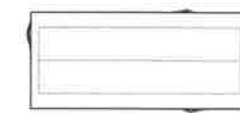


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Sheet No. 9 of 27



Scale / North Point

100 @ A1
200 @ A3

Drawing Title
GA ELEVATIONS - EAST

Drawn By YC	Checked By PA	
Project Number D0136	Drawing Number A11_0002	Revision T1
Project File D0136 UoN BioResources_R18		Issue 25/11/2018

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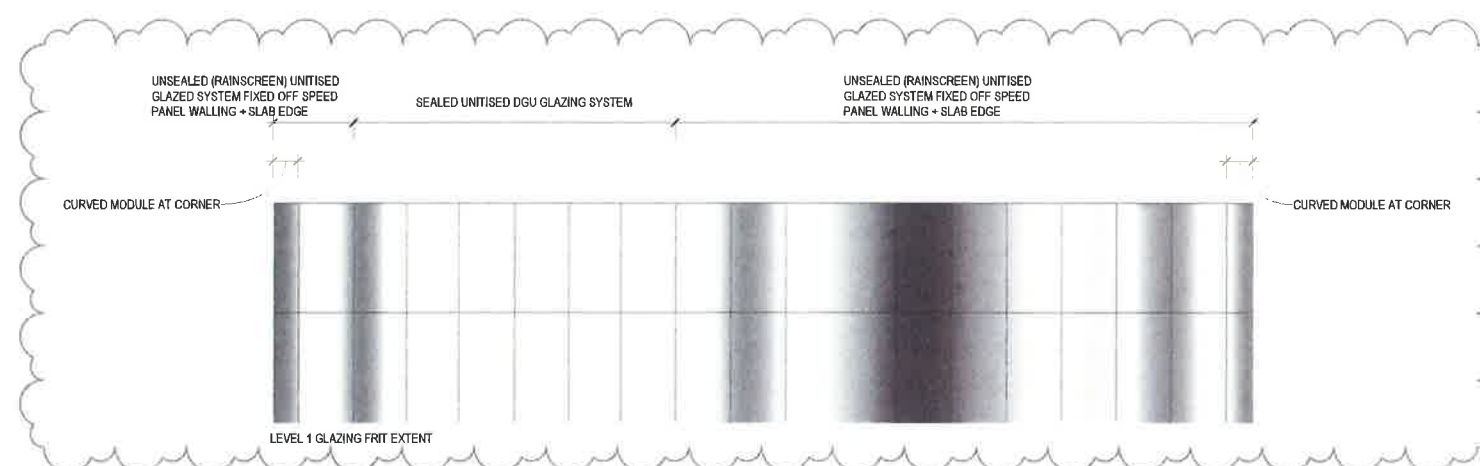
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Project Title
D0136 - UON BIORESOURCES
UNIVERSITY OF NEWCASTLE

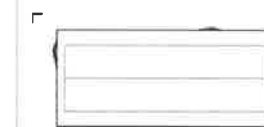
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WHERE LV01 INDICATED, ALLOW FOR LV02 TO ALL
ACTIVE ROOF PLANT LOUVRES AND TO BE INSTALLED
BEHIND LV01 UNO.



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Sheet No. 10 of 27

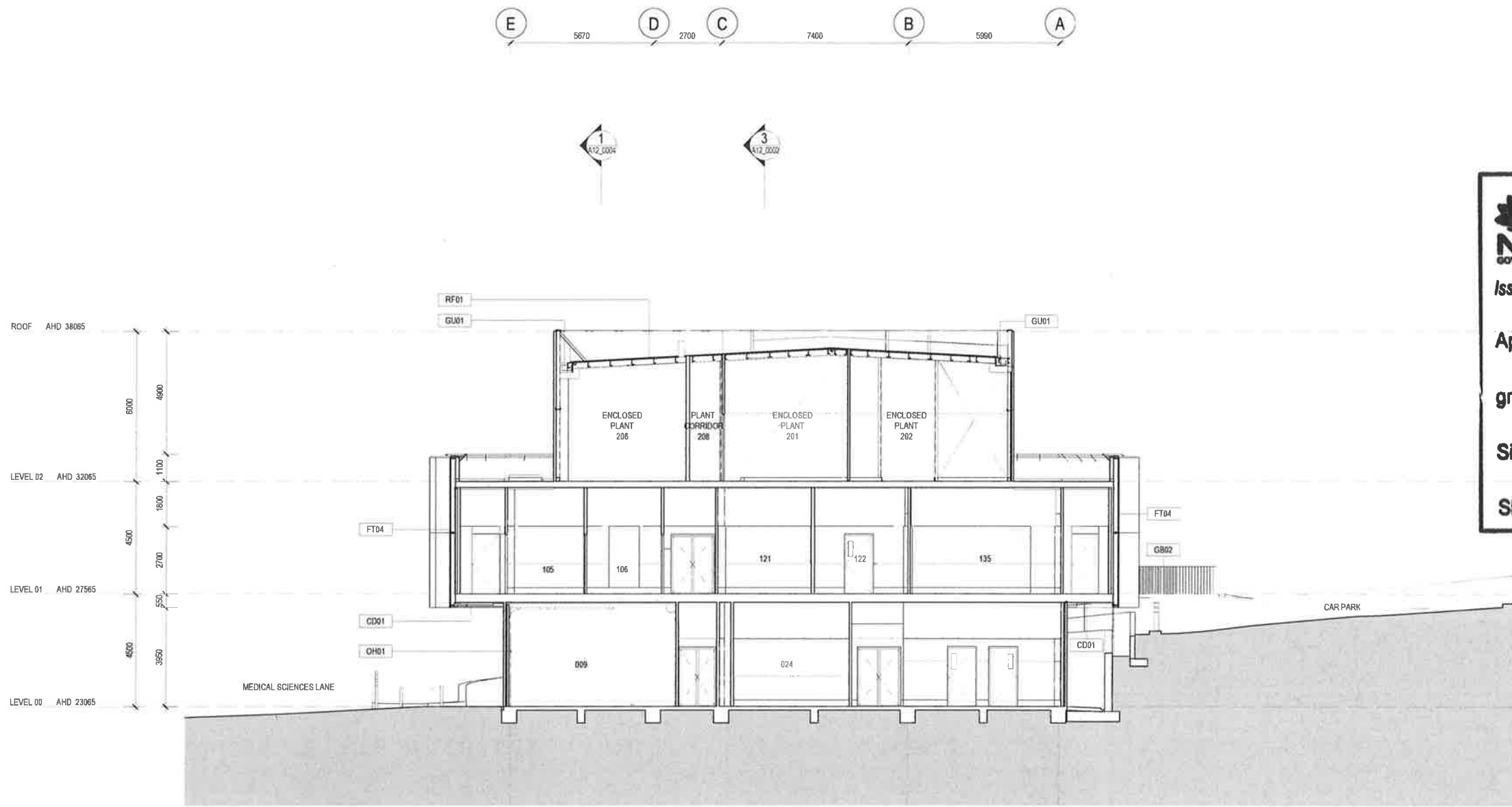


Design Status
DESIGN DEVELOPMENT
FOR INFORMATION

Drawn By YC	Checked By PA	
Project Number D0136	Drawing Number A11_0003	Revision T1
Project File D0136 UoN BioResources R18		Issue Date 25/10/2018

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1 SECTION 01
A10_0000 SCALE 1:100



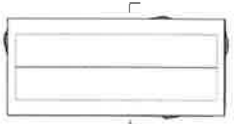
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Sheet No. 11 of 27



Scale / North Point
1:100 @ A1
1:200 @ A3

Drawing Status
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11	25/10/2018	PA	Issued for tender

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Drawing Title		
GA SECTIONS - SHEET 00		
Drawn By TA	Checked By PA	Revision T1
Project Number D0136	Drawing Number A12_0000	Issue Date 25/10/2018
Project File D0136 UoN BioResources_R18		



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Scale / North Point

1 100 @ A1
1 200 @ A3

Drawing Status
ISSUED FOR TENDER
FOR INFORMATION

Drawing Title
GA SECTIONS - SHEET 01

Drawn By TA	Checked By PA	
Project Number D0136	Drawing Number A12_0001	Revision T1
Project File D0136 UoN BioResources_R18		Issue Date 25/10/2017

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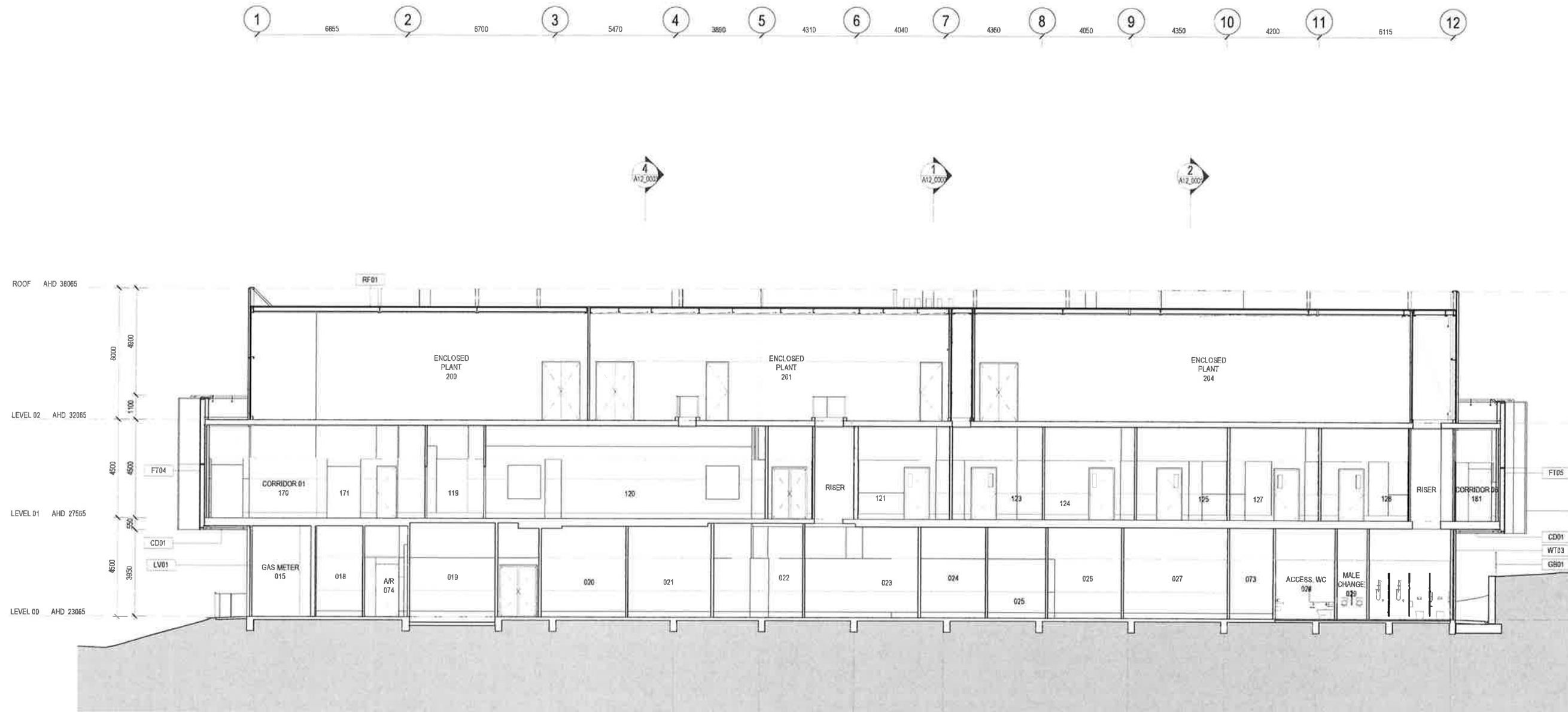
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3 SECTION 03
A10_0000 SCALE 1:100

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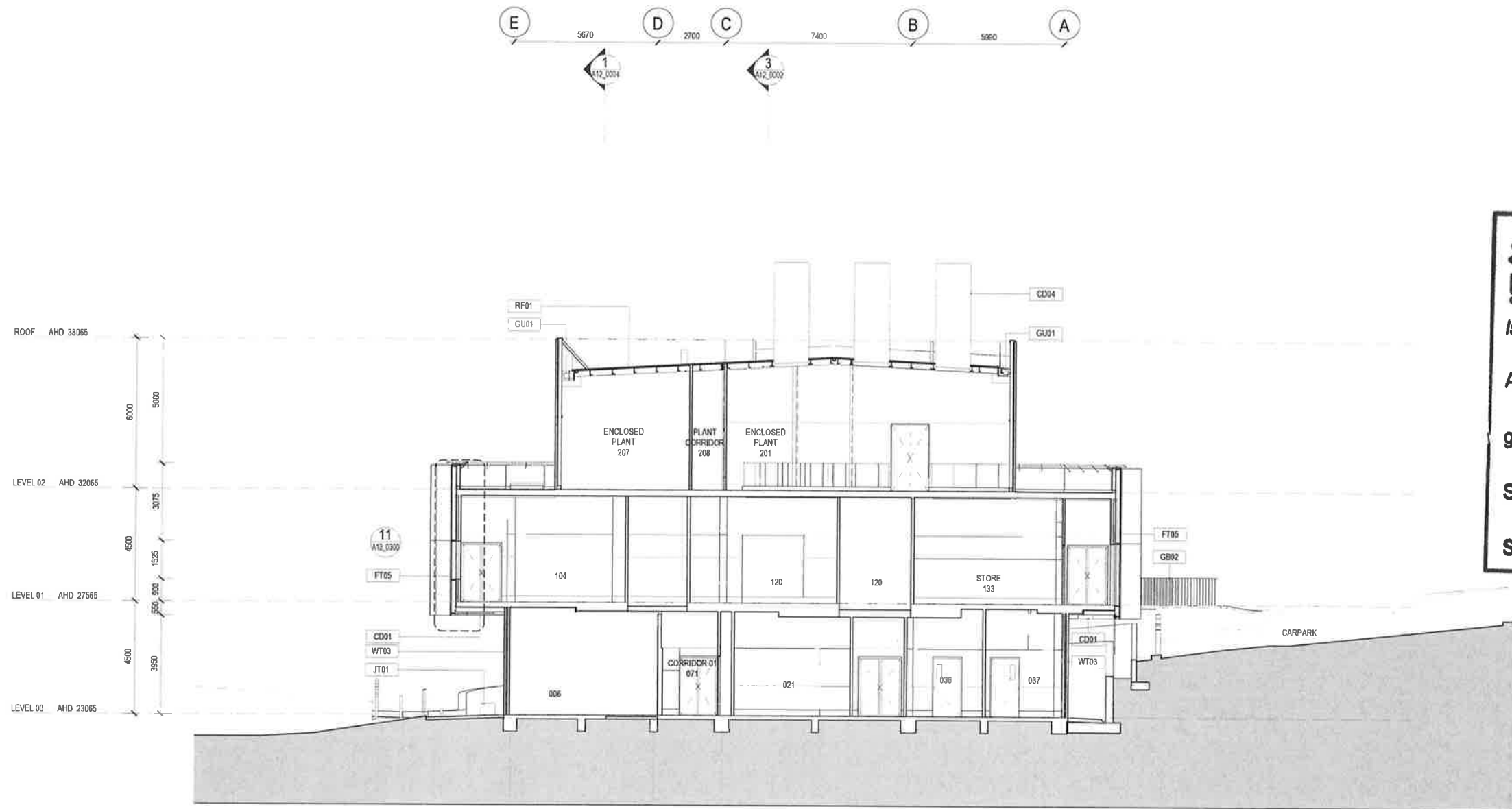
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1:100 @ A1
1:200 @ A3

Drawing Status
**ISSUED FOR TENDER
FOR INFORMATION**

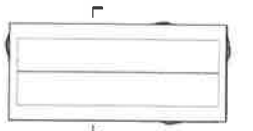
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GA SECTIONS - SHEET 02

Drawn By	Checked By	Reason
TA	PA	T1
Project Number	Drawing Number	Issue Date
D0136	A12_0002	
Project File		
D0136 UoN BioResources_R18		25/10/2018

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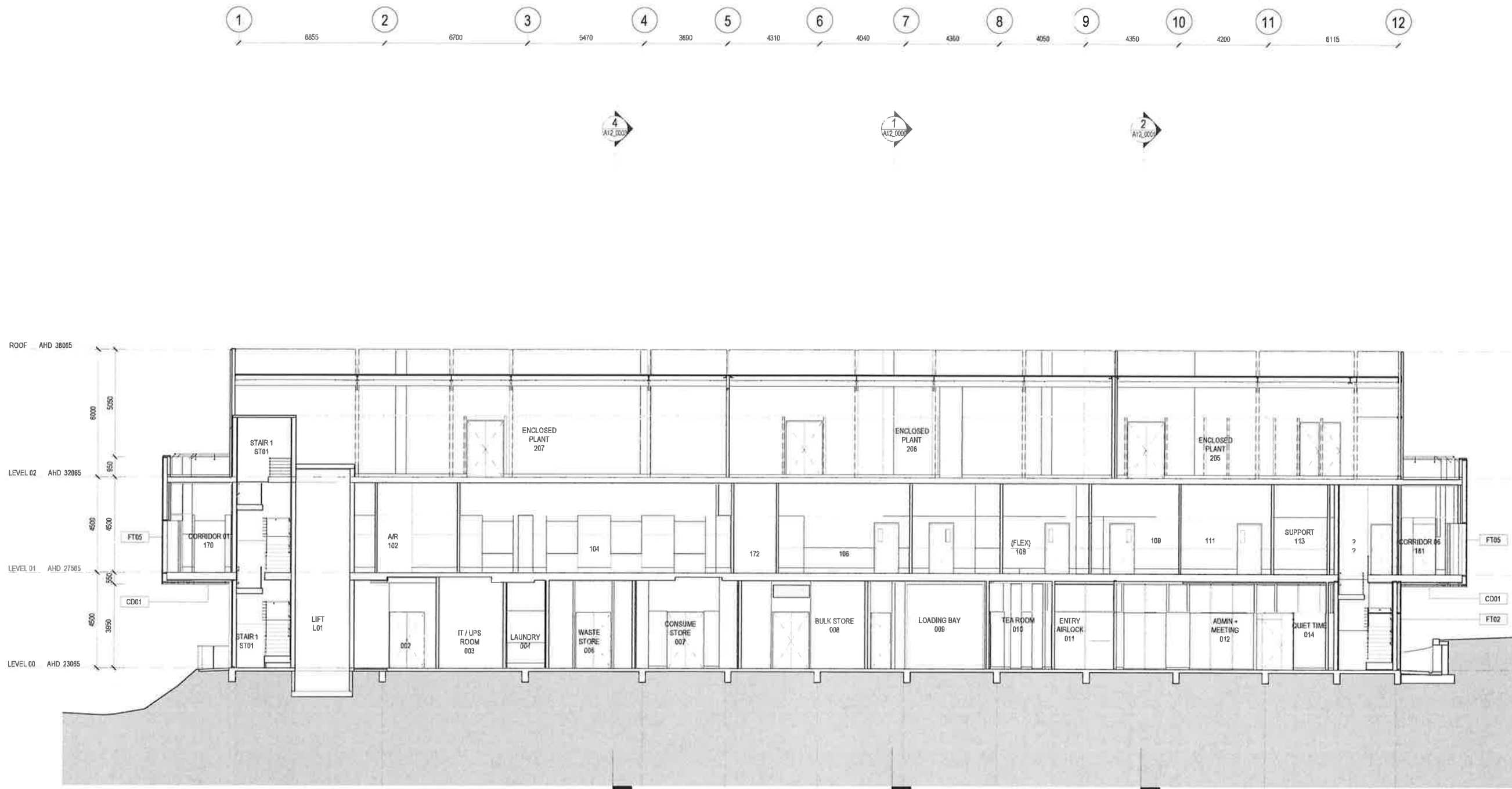


Scale / North Point
1:100 @ A1
1:200 @ A3

Drawing Status
ISSUED FOR TENDER
FOR INFORMATION

<p>No. Date App. Revision or reason for issue T1 25/10/2018 PA Issued for Tender</p>					<p>DENTON CORKER MARSHALL</p>	<p>Architect Denton Corker Marshall Pty Ltd Level 18, 55 Collins Street Melbourne Victoria 3000 Australia T +61 3 9012 3500 F +61 3 9012 3601 E info@dentoncorkermarshall.com dentoncorkermarshall.com</p>	<p>Project Title D0136 - UON BIORESOURCES UNIVERSITY OF NEWCASTLE Client CALLAGHAN CAMPUS University Dr, Callaghan NSW 2308 Telephone +61 2 4921 5000 Facsimile +61 2 4985 4200 Email Mark.D.Taylor@newcastle.edu.au</p>	<p>Drawing Title GA SECTIONS - SHEET 03 Drawn By Author Project Number D0136 Drawing Number A12_0003 Project File D0136 UoN BioResources_R18 Checked By Checker Revision T1 Issue Date 25/10/2018</p>
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1 SECTION 05
 A10_0000 SCALE 1:100

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 E melb@dentoncorkermarshall.com
 dentoncorkermarshall.com

Project Title
**D0136 - UON BIORESOURCES
 UNIVERSITY OF NEWCASTLE**
 Client
 CALLAGHAN CAMPUS
 University Dr, Callaghan NSW 2308
 Telephone +61 2 4921 5000 Facsimile +61 2 4985 4200
 Email Mark.D.Taylor@newcastle.edu.au

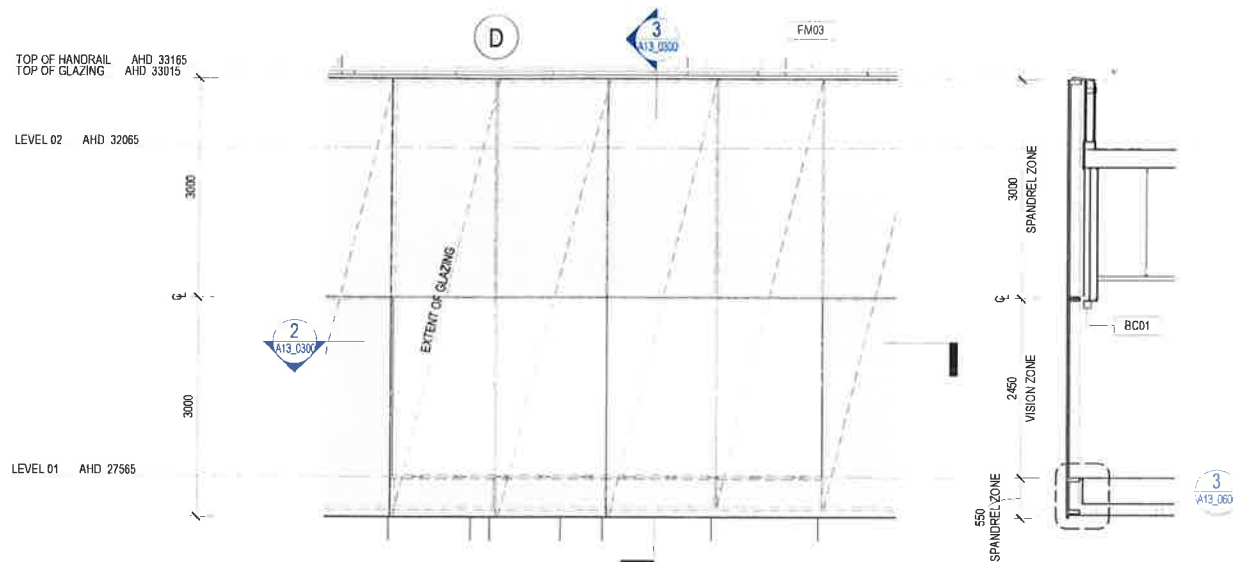
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GA SECTIONS - SHEET 04
 Drawn By
 Author
 Project Number
D0136
 Project File
 D0136 UoN BioResources_R18
 Checked By
 Checker
 Drawing Number
A12_0004
 Revision
T1
 Issue Date
 25/10/2018



Scale / North Point
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 1:100 A3

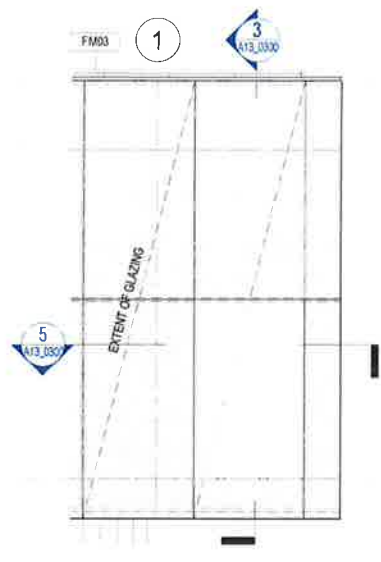
Drawing Status
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No.	Date	App.	Revision or reason for issue
T1	25/10/2018	PA	Issued for Tender



1 LEVEL 01 FT05 DETAIL ELEVATION
SCALE 1:50

3 LEVEL 01 FT05 DETAIL SECTION
SCALE 1:50



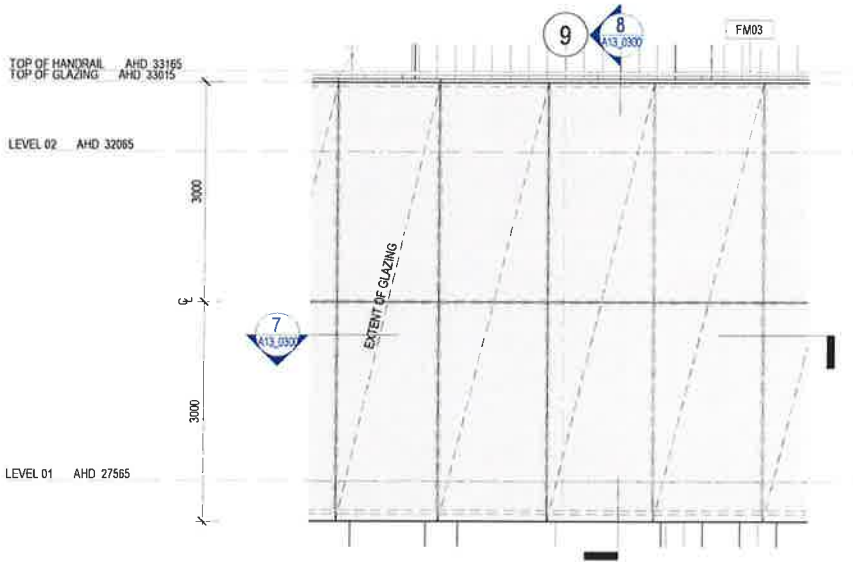
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FT02	FT04
FT03	FT05
FT06	LV01
LV02	LV03

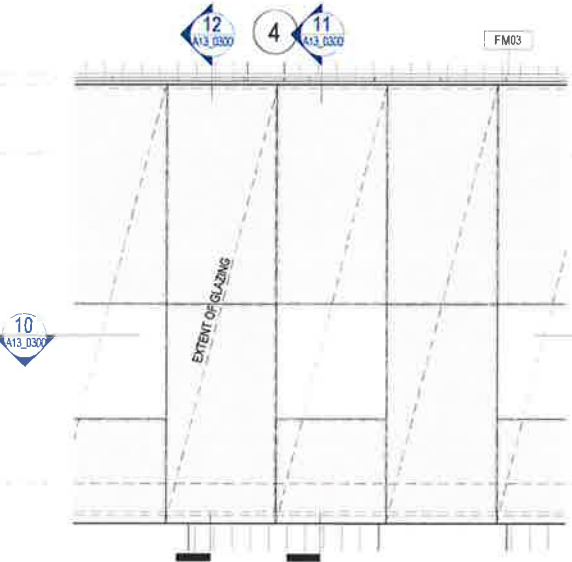
FACADE TYPE NOTES:
TO BE READ IN CONJUNCTION WITH ACS_0000 MATERIALS SCHEDULE.
REFER TO ESD CONSULTANT'S REPORT FOR INSULATION REQUIREMENT.
ALLOW FOR LV02A TO ALL ACTIVE ROOF PLANT LOUVRE INSTALLED BEHIND LV01. REFER ACOUSTIC ENGINEER'S REPORT FOR REQUIRED PERFORMANCE.

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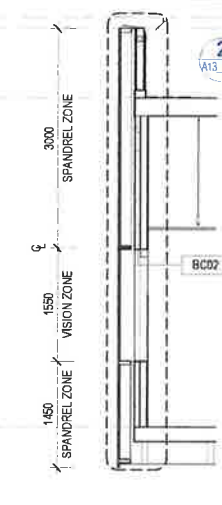


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A11_0000 SCALE 1:50

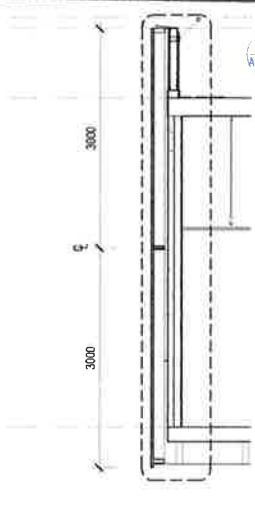
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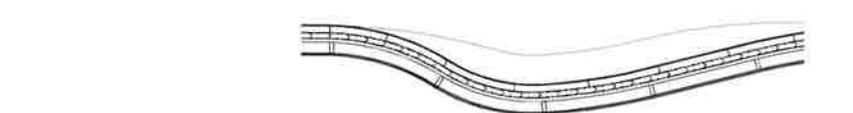
9 LEVEL 01 FT04+05 DETAIL ELEVATION
A11_0000 SCALE 1:50



11 FT05 DETAIL SECTION
SCALE 1:50



12 FT04 DETAIL SECTION
SCALE 1:50



7 LEVEL 01 FT05 DETAIL PLAN
SCALE 1:50



10 LEVEL 01 FT04+05 DETAIL PLAN
SCALE 1:50

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Drawing Status
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FOR INFORMATION

Drawing Title FACADE TYPES SHEET 03	Drawn By YC	Checked By PA	Revision T1
Project Number D0136	Drawing Number A13_0300	Issue Date 25/10/2018	
Project File D0136 UoN BioResources_R18			

Alt: Date: App: Revision or reason for issue:
11 25/10/2018 PA Issued for Tender

UoN BIORESOURCES FACILITY

DESIGN PRINCIPLES - EXTERNAL MATERIAL SCHEDULE

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MARSHALL

architecture + urban design



FT04/05/06	CD04	RF01
FT04/05/06	LV02	LV01
WT03	CD03	FT02
PV01	PV02	

MATERIAL 1	WT03	VERTICAL SPEED PANEL IN COLORBOND MONUMENT
MATERIAL 2	FT02	ALUMINIUM FRAMED UNITISED WINDOW WALL SYSTEM WITH STRUCTURALLY GLAZED DOUBLE GLAZED VISION PANELS
	FT04/05/06	STRUCTURALLY GLAZED SINGLE/DOUBLE GLAZED ALUMINIUM FRAMED UNITISED UNITS WITH GRADUATED WHITE FRIT
MATERIAL 3	RF01	COLORBOND METAL ROOF IN SHALE GREY
MATERIAL 4	LV01	LOUVRE CLAD ELLENBOROUGH SERIES VERTICAL LOUVRE IN MONUMENT
	LV02	LOUVRE CLAD HUDSON SERIES ACOUSTIC LOUVRE IN MONUMENT
MATERIAL 5	CD03	SOLID ALUMINIUM FLAT SHEET IN MONUMENT
	CD04	STAINLESS STEEL SHEATH FOR ROOF STACK
MATERIAL 6	PV01	EXPOSED AGGREGATE
	PV02	INSITU CONCRETE PAVING



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SITEWORKS NOTES:

REFER CIVIL + SERVICES DOCUMENTATION FOR
EXTERNAL / SITE WORKS

REFER SITE SURVEY FOR EXISTING CONDITIONS

TO BE READ IN CONJUNCTION WITH ARBORIST REPORT,
LANDSCAPE MATERIAL SCHEDULE, AND CIVIL
DOCUMENTATION.

PROVIDE REPLACEMENT TOP SOIL + TAN BARK AS

NUMBER OF PLANTS IS NOMINAL - CONFIRM REQUIREMENTS ON SITE PRIOR TO ORDERING

LEGEND NEW LANDSCAPE

- XL
GRASS TREE
XANTHORRHEA LATIFOLIA
- DR
FLAX LILY
DIANELA REVOLUTA
- AM + DI
MYRTLE WATTLE + KIDNEY WEED
ACACIA MYRTIFOLIA + DICHONDRA REPENS
- AM + VH
MYRTLE WATTLE + NATIVE VIOLETS
ACACIA MYRTIFOLIA + VIOLA HEDERACEA
- AS + VH
SWEET SCENTED WATTLE + NATIVE VIOLETS
ACACIA SUAVEOLENS + VIOLA HEDERACEA
- CA
KANGAROO VINE
CISSUS ANTARCTICA
- VH
NATIVE VIOLETS
VIOLA HEDERACEA
- LT
TANIKA LOMANDRA
LOMANDRA LONGIFOLIA 'TANIKA'
- LM
MATT RUSH
LOMANDRA MULTIFLORA

LEGEND EXISTING LANDSCAPE

- EXISTING LANDSCAPE (TAN BARK)
- EXISTING EXPOSED AGGREGATE
- EXISTING INSITU CONCRETE PATH
- EXISTING TREES TO BE MAINTAINED
- EXISTING TREES TO BE REMOVED

Scale / North Point

Drawing Status
ISSUED FOR TENDER
FOR INFORMATION

Drawing Title
LANDSCAPE OVERALL PLAN

Drawn By YC	Checked By PA	
Project Number D0136	Drawing Number A04_0000	Revision T3
Project File D0136 UoN BioResources_R18		Issue Date 29/11/2018



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PROPOSED BUILDING

CAR PARK

EXISTING
SINGLE STOREY BRICK BUILDING

EXISTING
SINGLE STOREY BRICK BUILDING

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No	Date	App	Revision or reason for issue
T1	25/10/2018	PA	Issued for Tender
T2	15/11/2018	PA	Issued for Tender
T3	29/11/2018	PA	Requested Planning Amendments


LANDSCAPE DESCRIPTION

- [illegible]

LANDSCAPE ARCHITECTURE

Landscape Architects
Landscape Architecture Pty Ltd
37/81 Fiveways Boulevard
Keysborough Victoria 3173
Australia
T 1300 019 950
www.landarche.com.au

CODE	NAME	COMMON NAME	DETAILS				
			HEIGHT AND SPREAD	NOMINAL PLANTS PER M2	IMAGE	SIZE POT	NOMINAL NUMBER
LANDSCAPE MATERIALS							
TREES							
XL	Xanthorrhrea Latifolia	Grass Tree	3.0m x 3.0m	N/A		40cm	16
SHRUBS							
AM	Acacia myrtifolia	Myrtle Wattle	1.2m x 1.0m	2		20CM	140
AS	Acacia suaveolens	Sweet scented wattle	1.5m x1.5m	2		20CM	50
GRASSES/STRAPPY PLANTS							
LM	Lomandra multiflora	Matt Rush	0.8m x 0.8m	4		14CM	315



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CODE	NAME	COMMON NAME	DETAILS				
			HEIGHT AND SPREAD	NOMINAL PLANTS PER M2	IMAGE	SIZE POT	NOMINAL NUMBER
LT	Lomandra longifolia "Tanika"	Tanika Lomandra	0.7m x 0.7m	4		14CM	95
DR	Dianella revoluta	Flax Lily	0.5m x 0.5m	6		14CM	480
GROUND COVERS/CLIMBERS							
VH	Viola hederacea	Native Violets	0.5m x 0.5m	6		14CM	390
DI	Dichondra repens	Kidney Weed	0.3m x 0.3m	8		14CM	270


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CODE	NAME	COMMON NAME	DETAILS				
			HEIGHT AND SPREAD	NOMINAL PLANTS PER M2	IMAGE	SIZE POT	NOMINAL NUMBER
CA	Cissus Antarctica	Kangaroo Vine	0.3 x 4.0m	2		14CM	85

	Revision
--	----------




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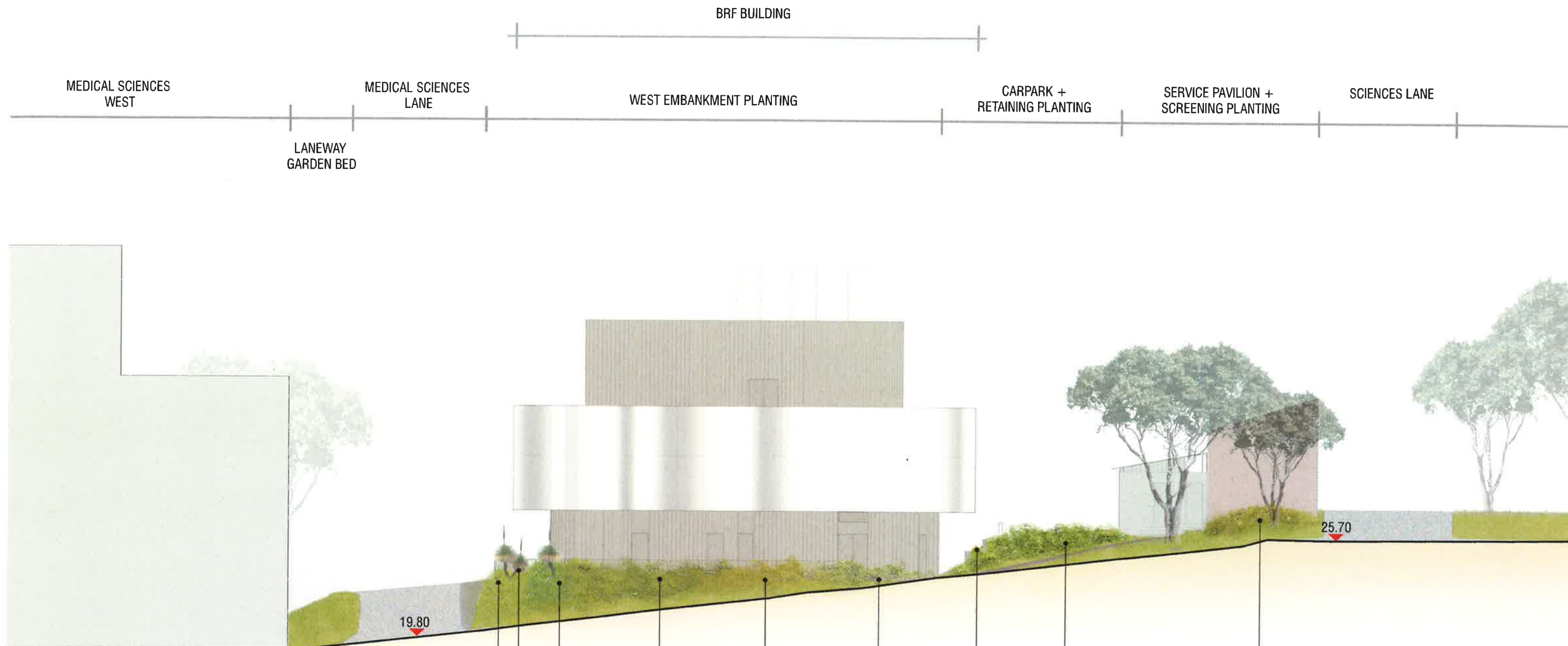
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Lomandra Multiflora	Xanthorrhoea Latifolia	Dianella Revoluta	Lomandra Longifolia "Tanika"	Acacia Myrtifolia + Viola Hederacea	Acacia Suaveolens + Viola Hederacea	Cissus Antarctica	Acacia Myrtifolia + Dichondra Repens	Acacia Myrtifolia + Viola Hederacea
								

PROJ# D0136
 PLANNING
 NTS @A3

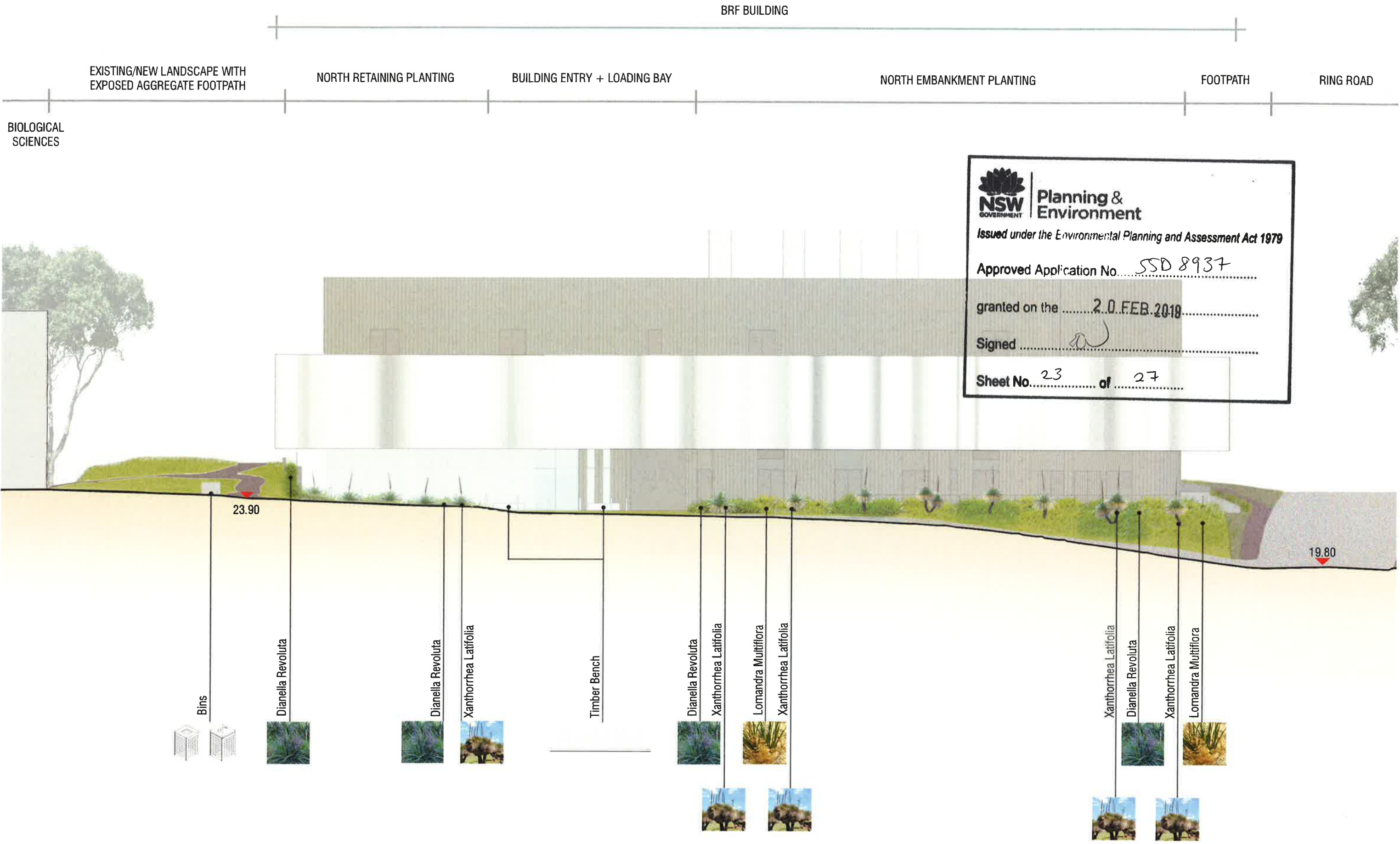
REV# P01
 20.11.2018



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 CALLAGHAN NEWCASTLE
 UNIVERSITY OF NEWCASTLE
 CALLAGHAN CAMPUS

PLANNING
 SK_20181129_YC01
 LANDSCAPE CROSS SECTION - WEST
 FOR INFORMATION ONLY



PROJ# D0136
PLANNING
NTS @ A3

REV# P01
20.11.2018



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CALLAGHAN, NEWCASTLE
UNIVERSITY OF NEWCASTLE
CALLAGHAN CAMPUS

PLANNING
SK 20181129_YC02
LANDSCAPE CROSS SECTION - NORTH
FOR INFORMATION ONLY



- 1 ALL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE APPROPRIATE FOR THE SEDIMENT TYPE(S) OF THE SOILS ON-SITE, IN ACCORDANCE WITH THE 'BLUE BOOK' (MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, LANDCOM, 2004), OR OTHER CURRENT RECOGNISED INDUSTRY STANDARDS FOR EROSION AND SEDIMENT CONTROL FOR AUSTRALIAN CONDITIONS. THIS INCLUDES SEDIMENT TRAPS AND LINING OF CHANNELS.
- 2 THE CONTRACTOR SHALL BE KEEPING A DETAILED WRITTEN RECORD OF ALL EROSION AND SEDIMENT CONTROLS ON-SITE DURING THE CONSTRUCTION PERIOD. THIS RECORD SHALL BE UPDATED ON A DAILY BASIS AND SHALL CONTAIN DETAILS ON THE CONDITION OF CONTROLS AND ANY/ALL MAINTENANCE, CLEANING OR REPAIRS. THIS RECORD SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE PRINCIPAL CERTIFYING AUTHORITY AND THE SUPERINTENDENT DURING NORMAL WORKING HOURS.
- 3 INSTALL SEDIMENT PROTECTION FILTERS ON THE TOP AND EXISTING STORMWATER INLET FILTER DETAIL. IN ADDITION, WEAVE THE MESH AND GRAVEL INLET FILTER DETAIL, SO5-10R THE GEOTEXTILE INLET FILTER DETAIL, SO5-12 OF THE 'BLUE BOOK'.
- 4 ESTABLISH ALL REQUIRED SEDIMENT FENCES IN ACCORDANCE WITH DETAIL SO5-6 OF THE 'BLUE BOOK'.
- 5 INSTALL SEDIMENT FENCING, OR OTHER SEDIMENT CONTROL DEVICES, AROUND INDIVIDUAL BUILDING ZONES/AREAS AS REQUIRED AND AS DIRECTED BY THE SUPERINTENDENT OR APPROPRIATE COUNCIL OFFICER.
- 6 ALL TRENCHES INCLUDING ALL SERVICE TRENCHES AND SWALE INSTALLATION SHALL BE SLOPED UP TO THE HIGH SIDE AND CLOSED AT THE END OF EACH DAY'S WORK.
- 7 THE CONTRACTOR SHALL ENSURE THAT ALL VEGETATION (TREE, SHRUB & GROUND COVER) WHICH IS TO BE RETAINED SHALL BE PROTECTED DURING THE DURATION OF CONSTRUCTION.
- 8 ALL VEGETATION TO BE REMOVED SHALL BE MULCHED ON-SITE AND STRIPPED STOCKPILE AS REQUIRED. THE SUPERINTENDENT WILL STRIP TOPSOIL IN AREAS DESIGNATED FOR STRIPPING AND STOCKPILE FOR RE-USE AS REQUIRED. ANY SURPLUS MATERIAL SHALL BE SPREAD ON-SITE AS DIRECTED BY THE SUPERINTENDENT OR REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH A COUNCIL PLAN.
- 9 CONSTRUCT AND MAINTAIN ALL MATERIAL STOCKPILES IN ACCORDANCE WITH DETAIL SO5-1 OF THE 'BLUE BOOK' (INCLUDING CUT-OFF SWALES TO THE HIGH SIDE AND SEDIMENT FENCES TO THE LOW SIDE).
- 10 EXISTING STOCKPILES DO NOT EXCEED 2.0m HIGH PROVIDED WIND AND FLAME EROSION PROTECTION AS REQUIRED IN ACCORDANCE WITH THE 'BLUE BOOK'.
- 11 PROVIDE WATER TRUCKS OR SPRINKLER DEVICES DURING CONSTRUCTION AS REQUIRED TO SUPPRESS DUST.
- 12 ALL AREAS THAT HAVE BEEN FINALLY ALL DISTURBED AREAS THAT ARE NOT BEING WORKED ON SHALL BE RE-VEGETATED AS SOON AS IS PRACTICAL.

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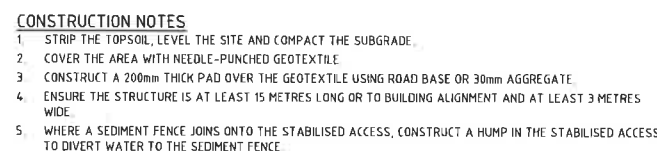
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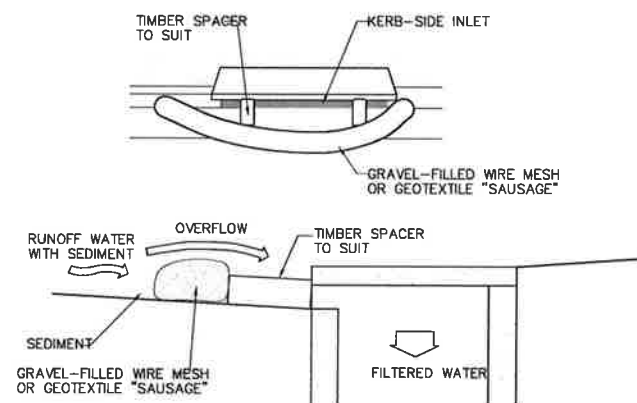
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						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD.	 SCALE 1:100 @ A1		DRAWING NUMBER C10
								ALL SETOUT TO ARCHITECT'S DRAWINGS. DIMENSIONS TO BE VERIFIED WITH THE ARCHITECT AND ON SITE BEFORE MAKING SHOP DRAWINGS OR COMPLETING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.		REVISION 1

[illegible]

CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
3. DRIVE 15 METRE LONG STAR PICKETS INTO GROUND AT 25 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE

SEDIMENT FENCE (SD 6-8)

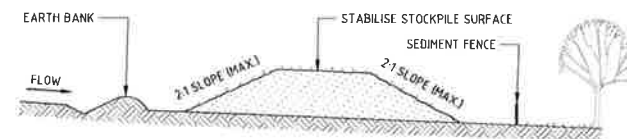


MESH AND GRAVEL INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 4.0mm WIDE
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LOADED WATERS CANNOT PASS BETWEEN.

MESH AND GRAVEL INLET FILTER


SCALENTS



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10
5. CONSTRUCT EARTH BANS (STANDARD DRAWING 5-S) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-S-8) 1 TO 2m DOWNSLOPE.

STOCKPILES (SD 4-1)

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REVISION	DESCRIPTION	ISSUED	VER D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE	JOB NUMBER
1	ISSUED FOR APPROVAL	CS		CS	23 05 18	 THE UNIVERSITY OF NEWCASTLE AUSTRALIA	 DENTON CORKER MARSHALL	 UoN BIO-RESOURCES FACILITY	EROSION AND SEDIMENT CONTROL DETAILS	NL171955
						 THE UNIVERSITY OF NEWCASTLE AUSTRALIA	 DENTON CORKER MARSHALL	 UoN BIO-RESOURCES FACILITY	EROSION AND SEDIMENT CONTROL DETAILS	C11
						 THE UNIVERSITY OF NEWCASTLE AUSTRALIA	 DENTON CORKER MARSHALL	 UoN BIO-RESOURCES FACILITY	EROSION AND SEDIMENT CONTROL DETAILS	1

