

THE NEXT GENERATION

CIVIL INFRASTRUCTURE WORKS PACKAGE

TENDER ISSUE

DRAWING LIST

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- C001 NOTES AND LEGENDS
- C002 GENERAL ARRANGEMENT PLAN

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- C004 TYPICAL SECTIONS SHEET 2
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ROAD LONGITUDINAL SECTIONS

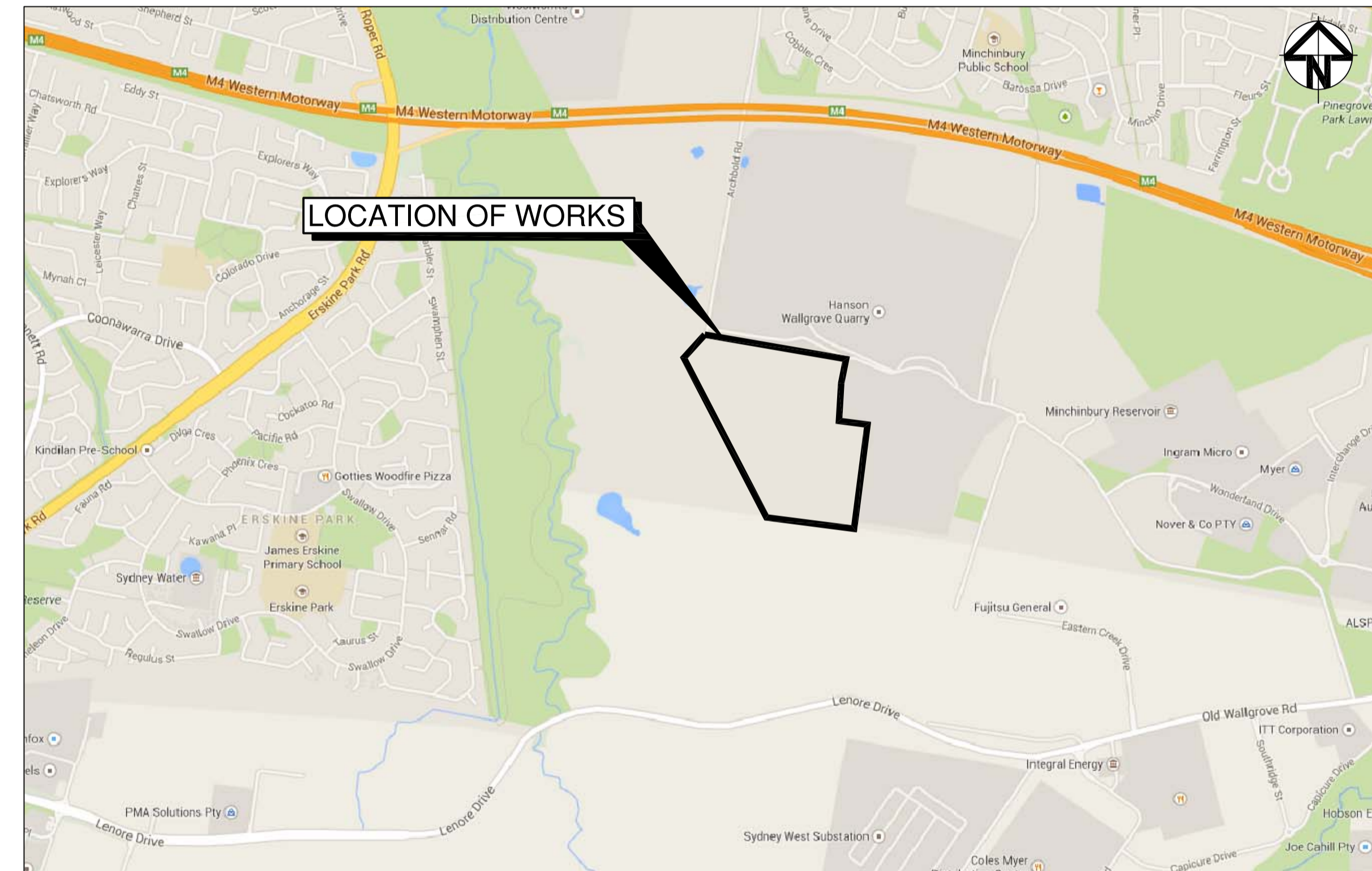
- C020 ESTATE ROAD LONGITUDINAL SECTIONS SHEET 1 OF 3
- C021 ESTATE ROAD LONGITUDINAL SECTIONS SHEET 2 OF 3
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- C030 PAVEMENT PLAN

EROSION AND SEDIMENTATION CONTROL

- C040 EROSION AND SEDIMENTATION CONTROL PLAN
- C041 EROSION AND SEDIMENTATION CONTROL DETAILS

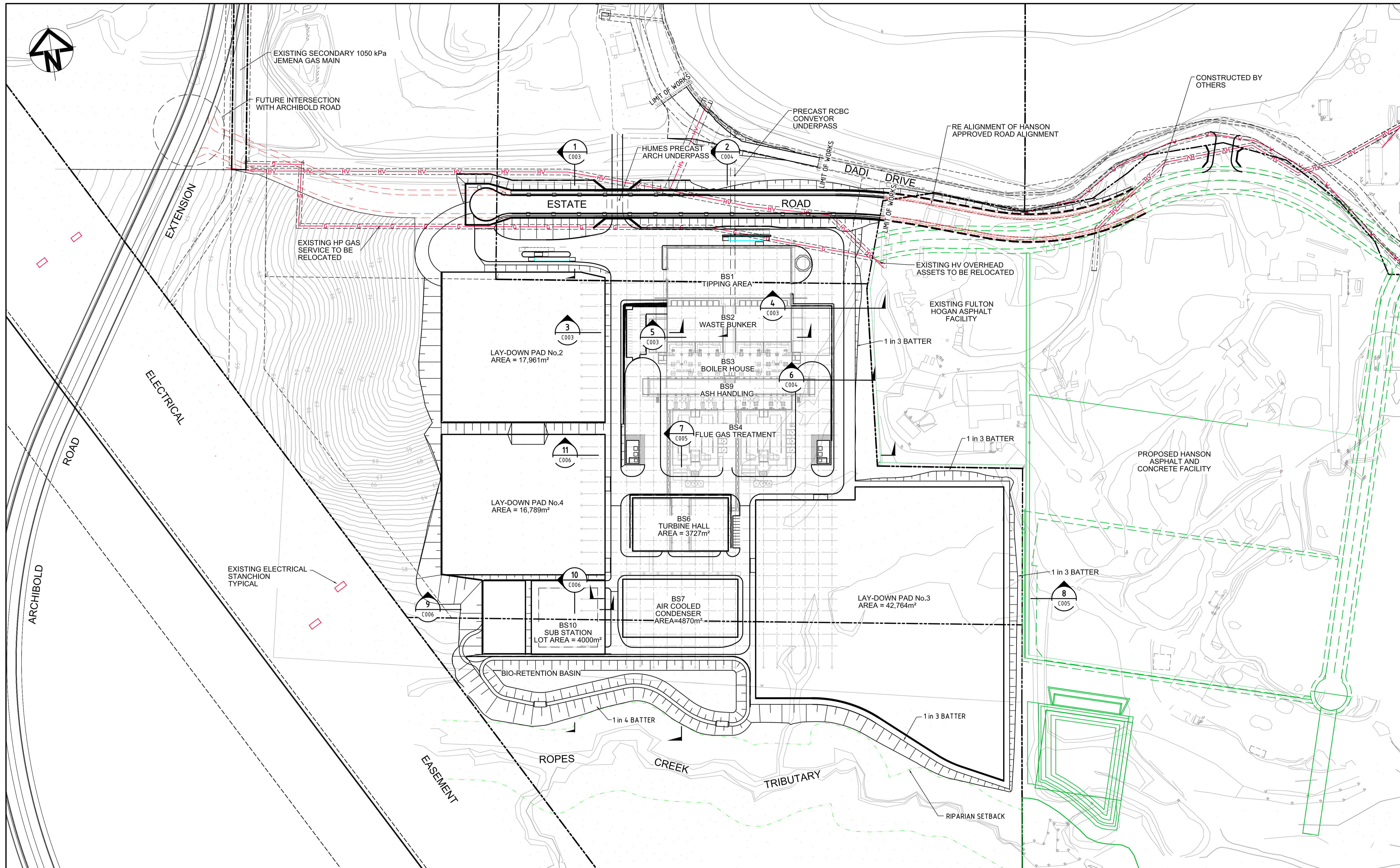


LOCALITY PLAN

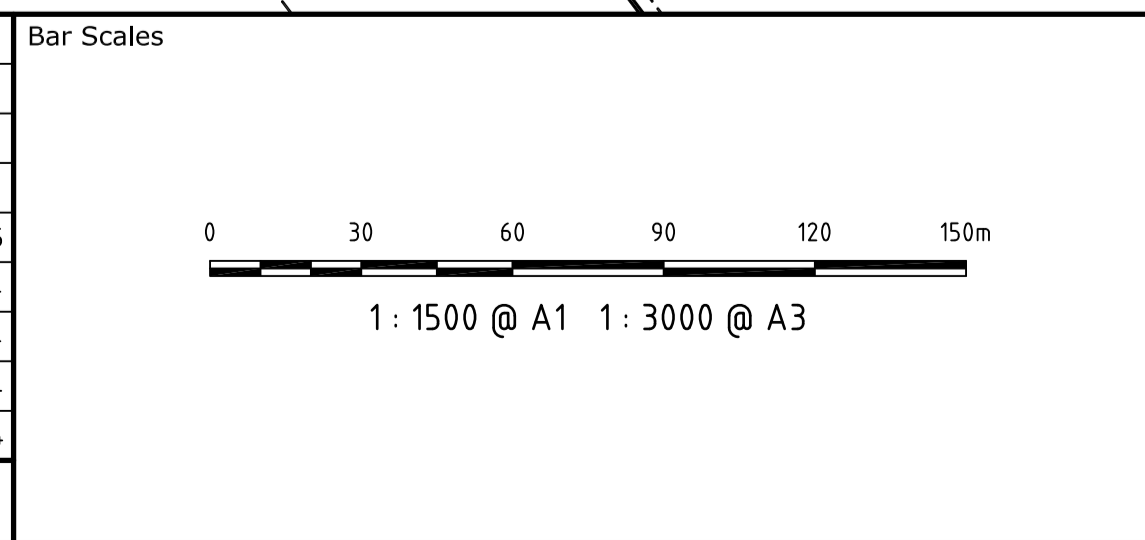
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							Grid		Designed			TS			Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9460 8413 www.atl.net.au info@atl.net.au			
							Height Datum		Checked			TS			Status FOR APPROVAL		A1	
									Approved						NOT TO BE USED FOR CONSTRUCTION		Issue	
C	RE-ISSUED FOR SSSA	20-02-15								Title COVER SHEET AND LOCALITY PLAN		Drawing No. C000		Project No. 14-187		Issue C		
B	ISSUED FOR SSSA	18-06-14																
A	ISSUED FOR CLIENT REVIEW	14-05-14																
Issue	Description	Date																

100mm on Original



Issue	Description	Date
F	RE-ISSUED FOR SSDA	12-03-15
E	RE-ISSUED FOR SSDA	20-02-15
D	ISSUED FOR SSDA	18-06-14
C	ISSUED FOR INFORMATION	16-06-14
B	ISSUED FOR CLIENT REVIEW	14-05-14
A	ISSUED FOR COORDINATION	06-05-14



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Height Datum	AHD
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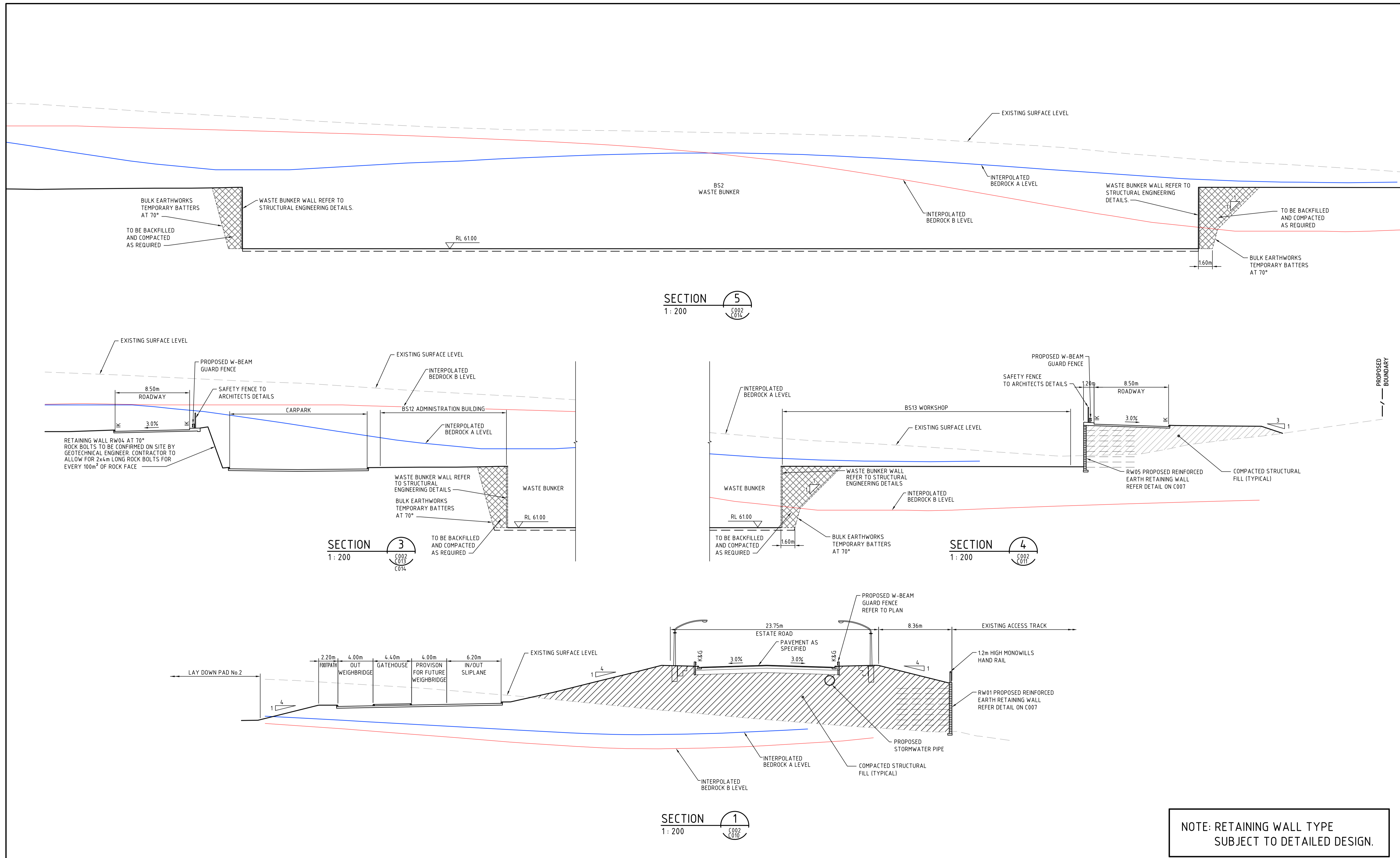
Project
ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title
GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers

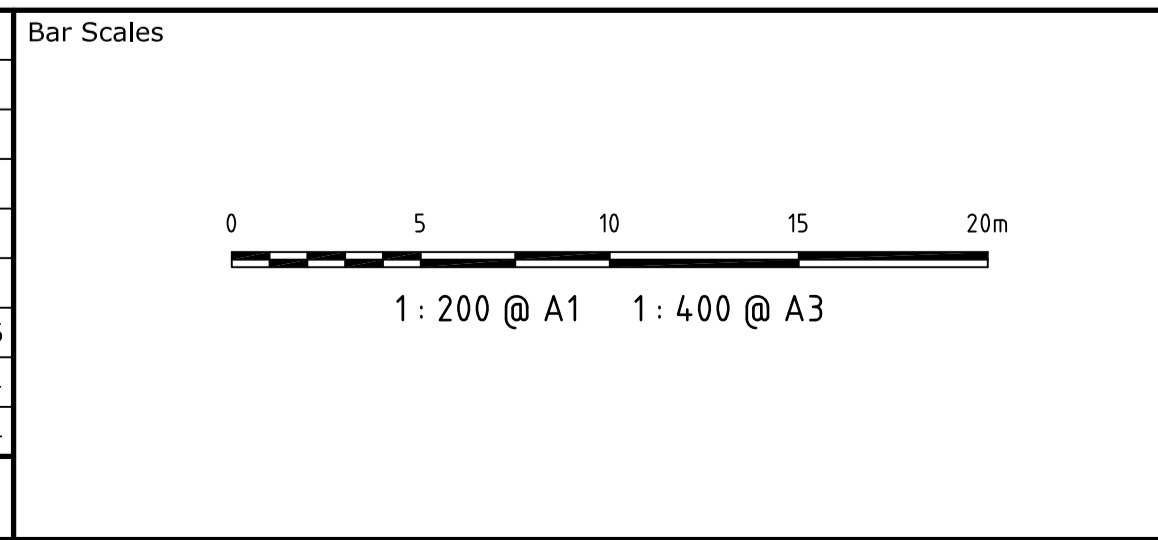
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St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL	A1
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Drawing No.	Project No.	Issue
C002	14-187	F



NOTE: RETAINING WALL TYPE SUBJECT TO DETAILED DESIGN.

Issue	Description	Date
C	RE-ISSUED FOR SSSA	20-02-15
B	ISSUED FOR SSSA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14



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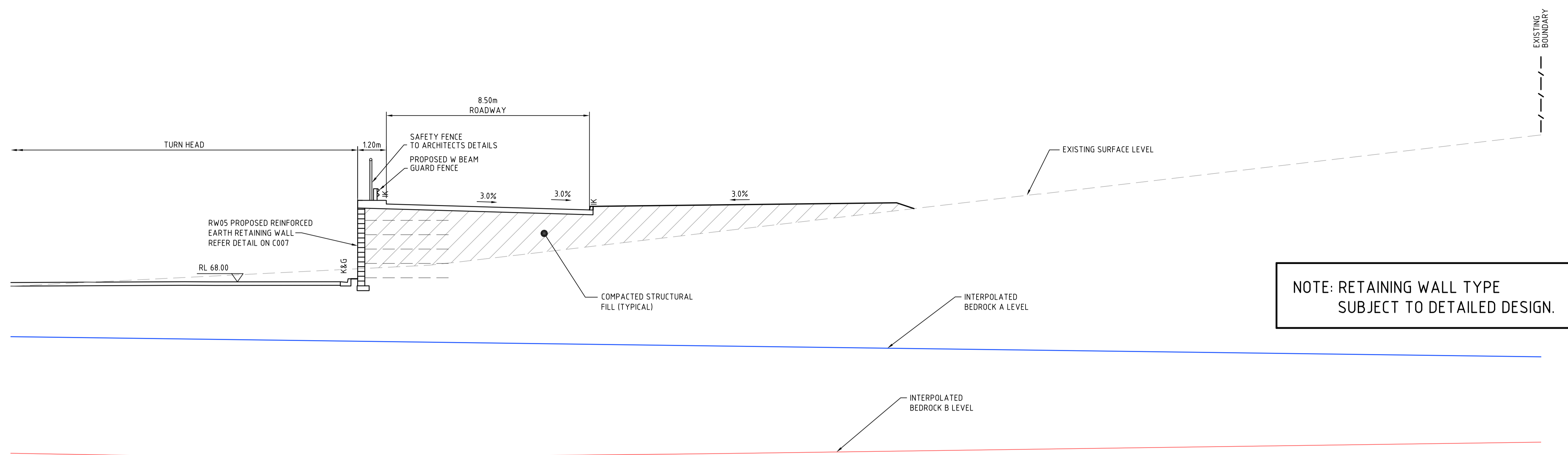


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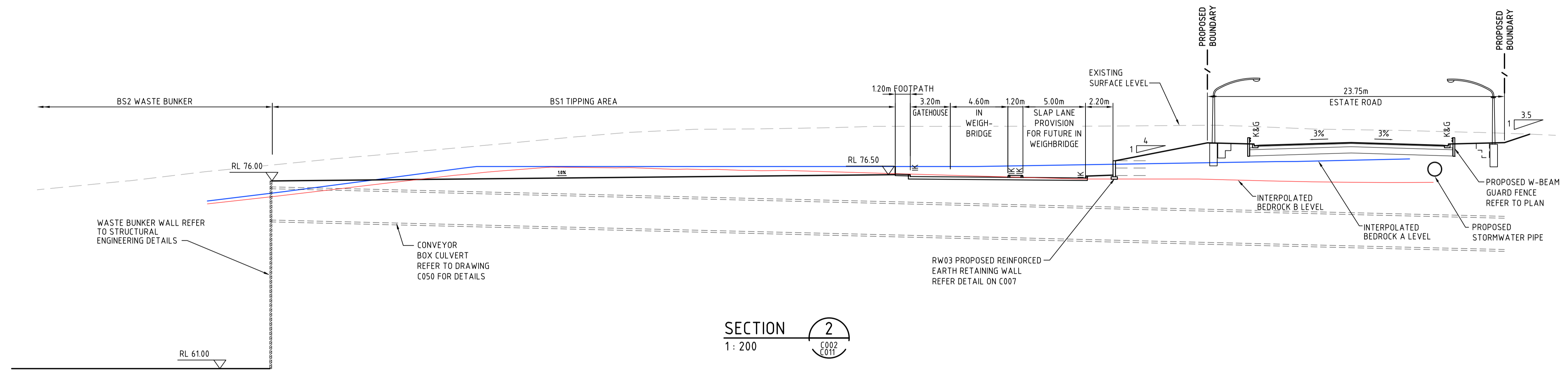
Project
ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title
TYPICAL SECTIONS SHEET 1

Civil Engineers and Project Managers		
at&l		
Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9460 8413 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL	A1
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Drawing No.	Project No.	Issue
C003	14-187	C

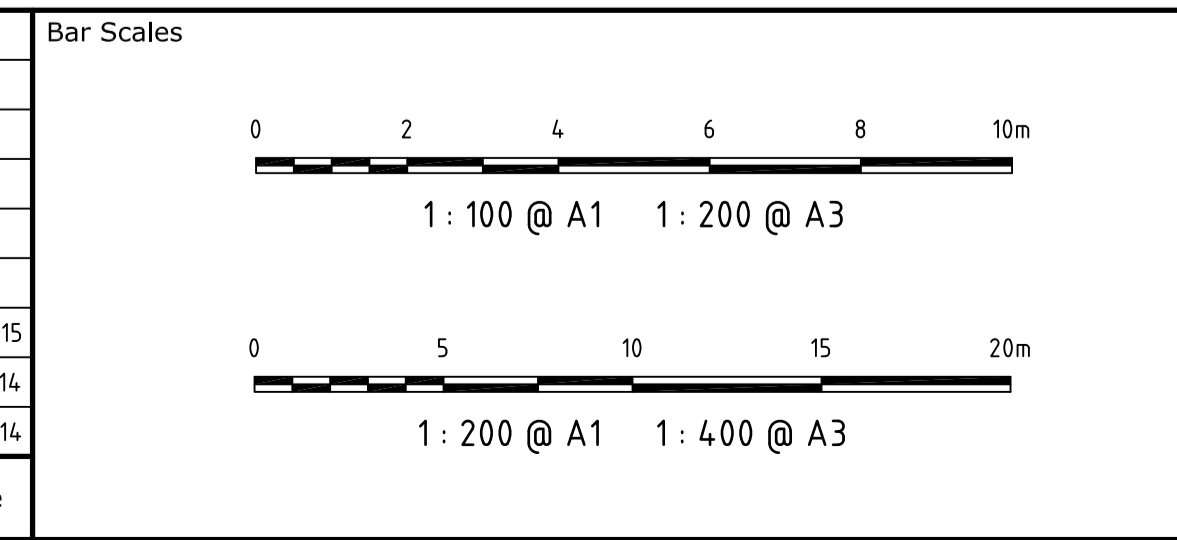


SECTION 6
1: 100



SECTION 2
1: 200

Issue	Description	Date
C	RE-ISSUED FOR SSDA	20-02-15
B	ISSUED FOR SSDA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14

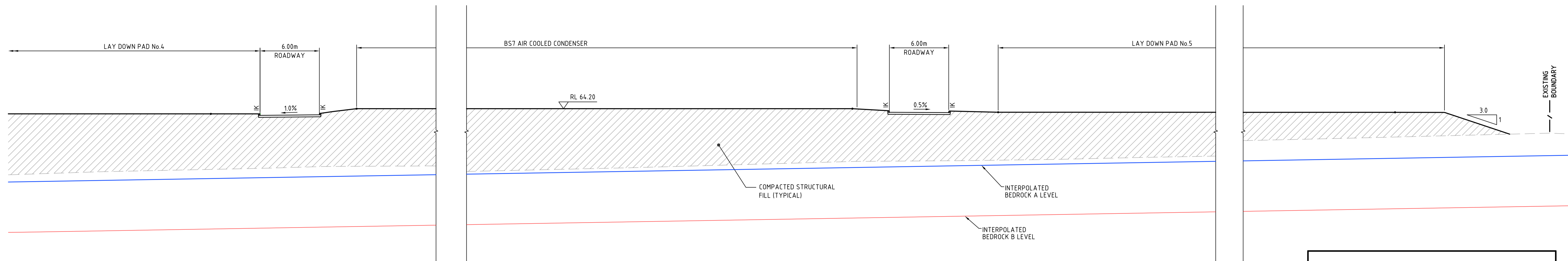


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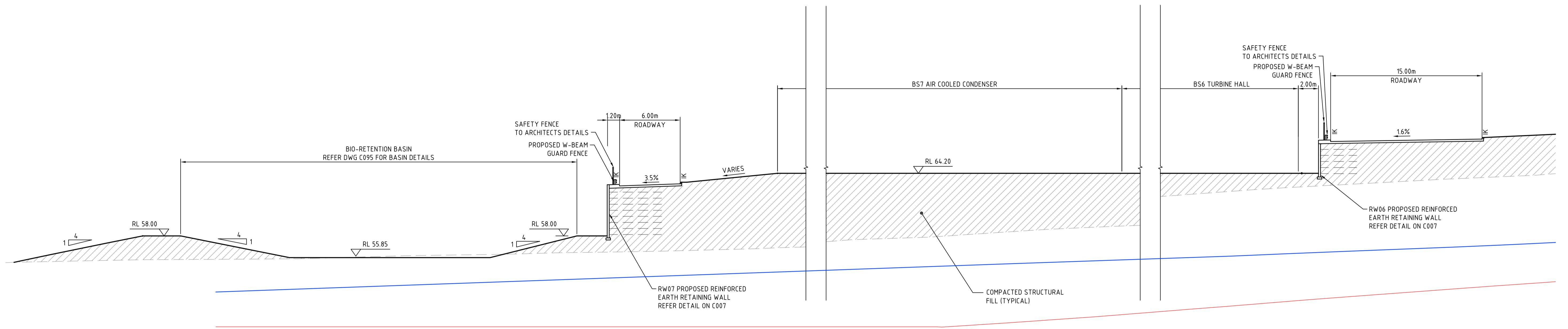
Scales	AS SHOWN	Drawn	TS
		Designed	TS
Grid		Checked	MM
		Approved	
Height Datum	AHD		

Project		Civil Engineers and Project Managers	
ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK		at&l Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9460 8413 www.atl.net.au info@atl.net.au	
Title		Status	
TYPICAL SECTIONS SHEET 2		FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Drawing No.	Project No.	Issue	
C004	14-187	C	



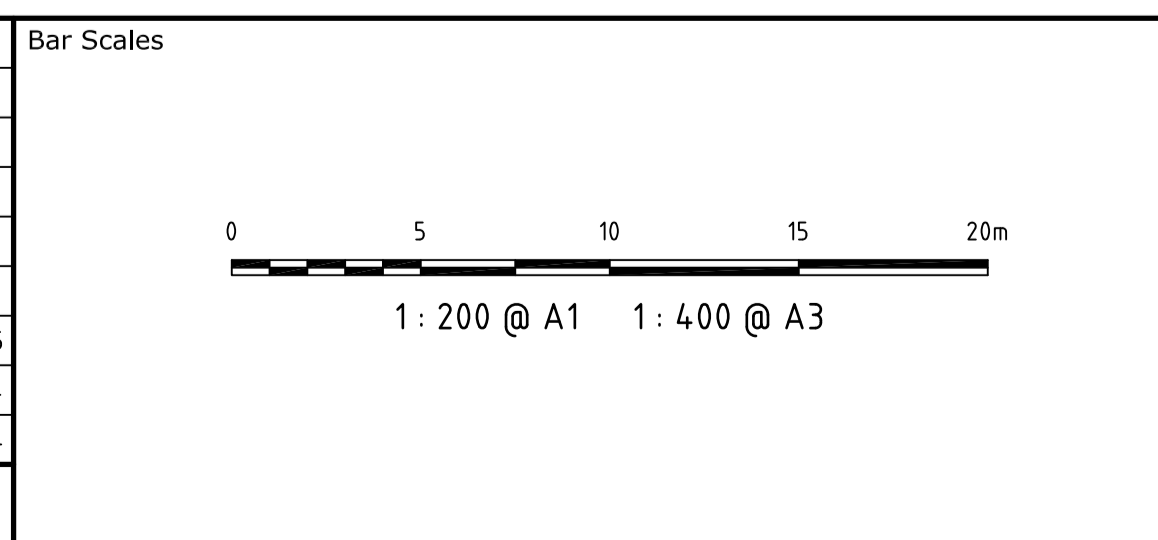
SECTION 8
1: 200

NOTE: RETAINING WALL TYPE
SUBJECT TO DETAILED DESIGN.



SECTION 7
1: 200

Issue	Description	Date
C	RE-ISSUED FOR SSDA	20-02-15
B	ISSUED FOR SSDA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14



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Grid	AHD	
Height Datum	AHD	

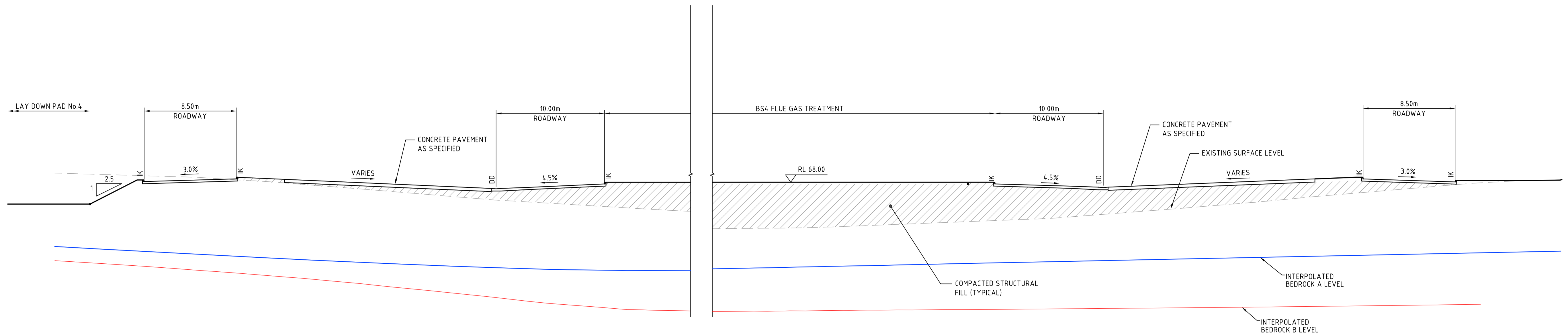
Project
**ENERGY FROM WASTE
ELECTRICITY GENERATION
PLANT, EASTERN CREEK**

Title
**TYPICAL SECTIONS
SHEET 3**

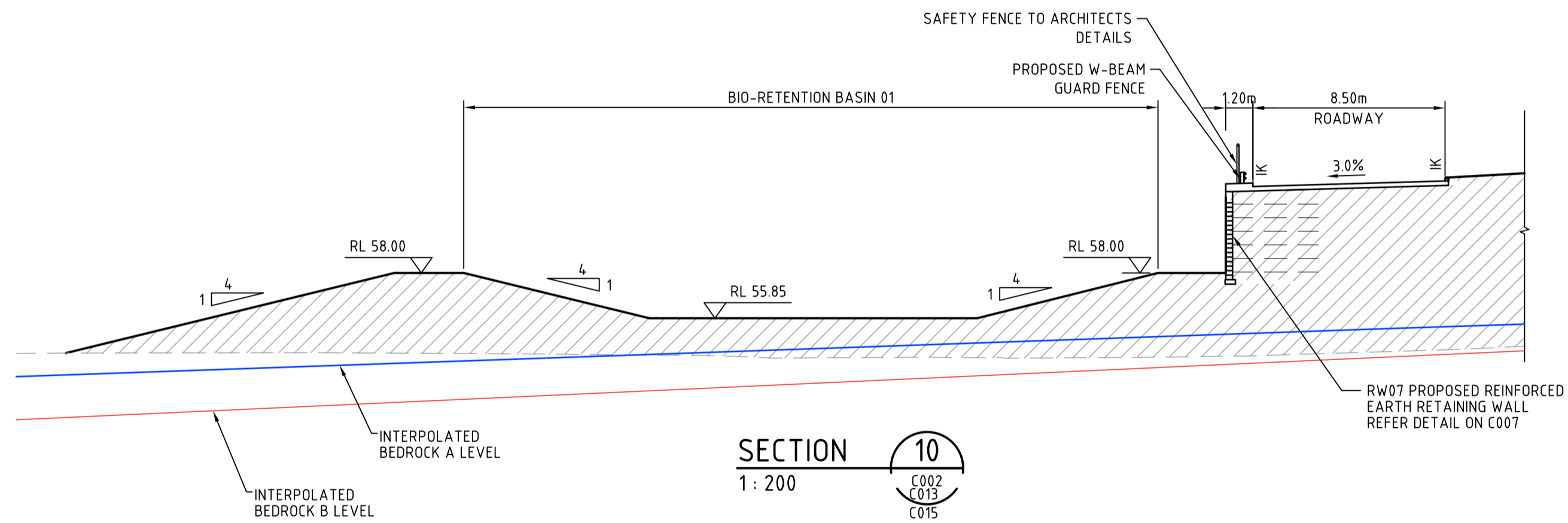
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Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

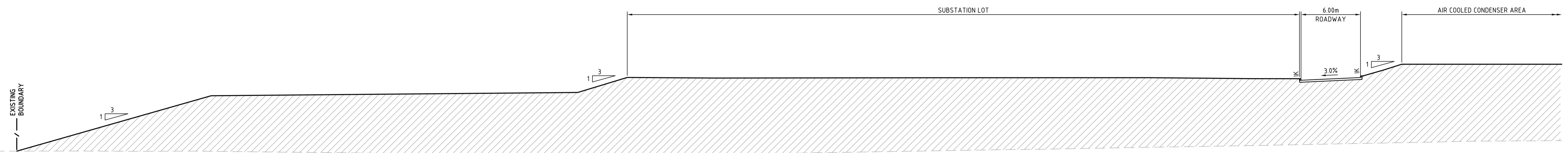
Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No. C005	Project No. 14-187
	Issue C



SECTION 11
1:200

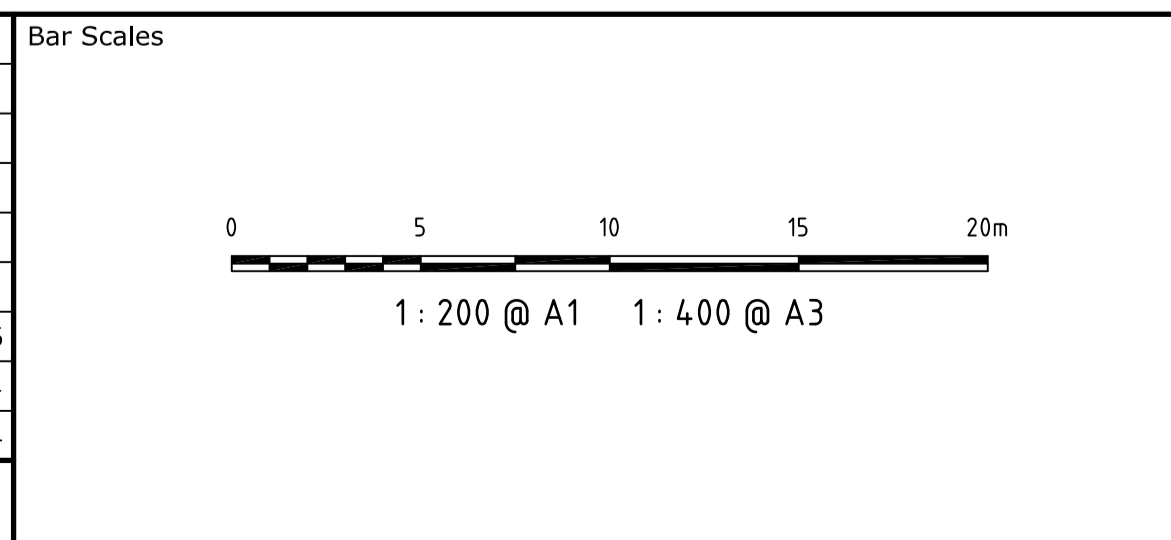


SECTION 10
1:200



SECTION 9
1:200

Issue	Description	Date
C	RE-ISSUED FOR SSDA	20-02-15
B	ISSUED FOR SSDA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14



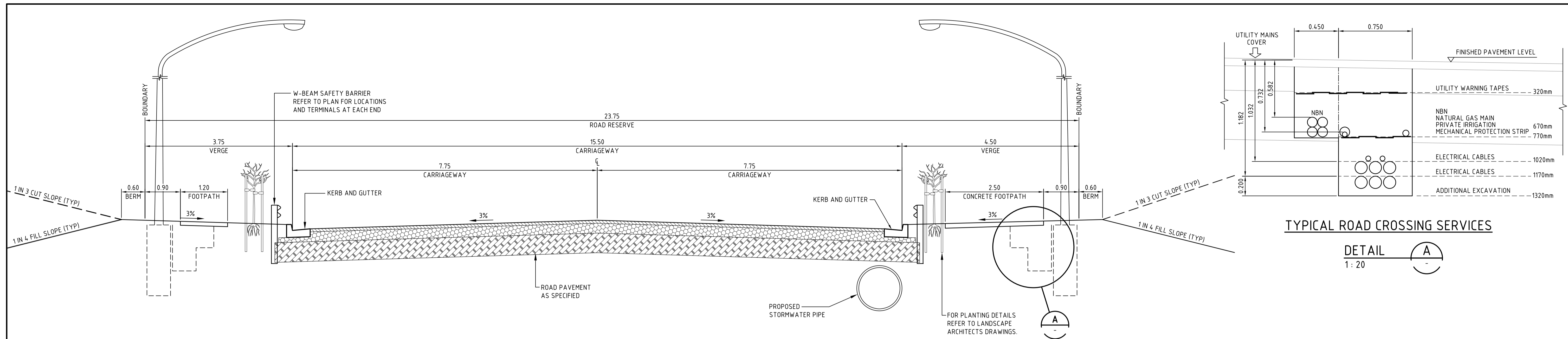
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	Checked	MM
Grid	AHD	
Height Datum	AHD	

Project	ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK
Title	TYPICAL SECTIONS SHEET 4

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at&i		
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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	C006	Issue
Project No.	14-187	C



TYPICAL SECTION - ESTATE ROAD
SCALE 1:50

Figure 2 – General assembly, two piece arches



TYPICAL LONGITUDINAL SECTION - ARCH CROSSING
SCALE 1:100

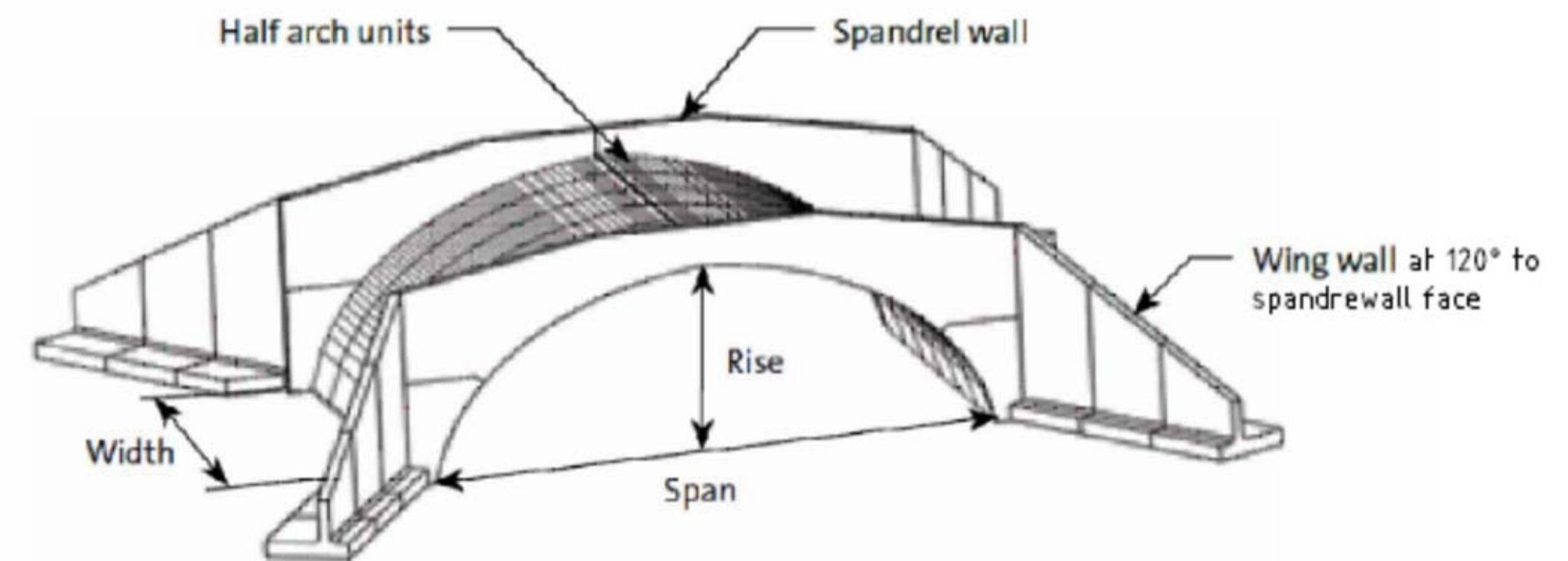
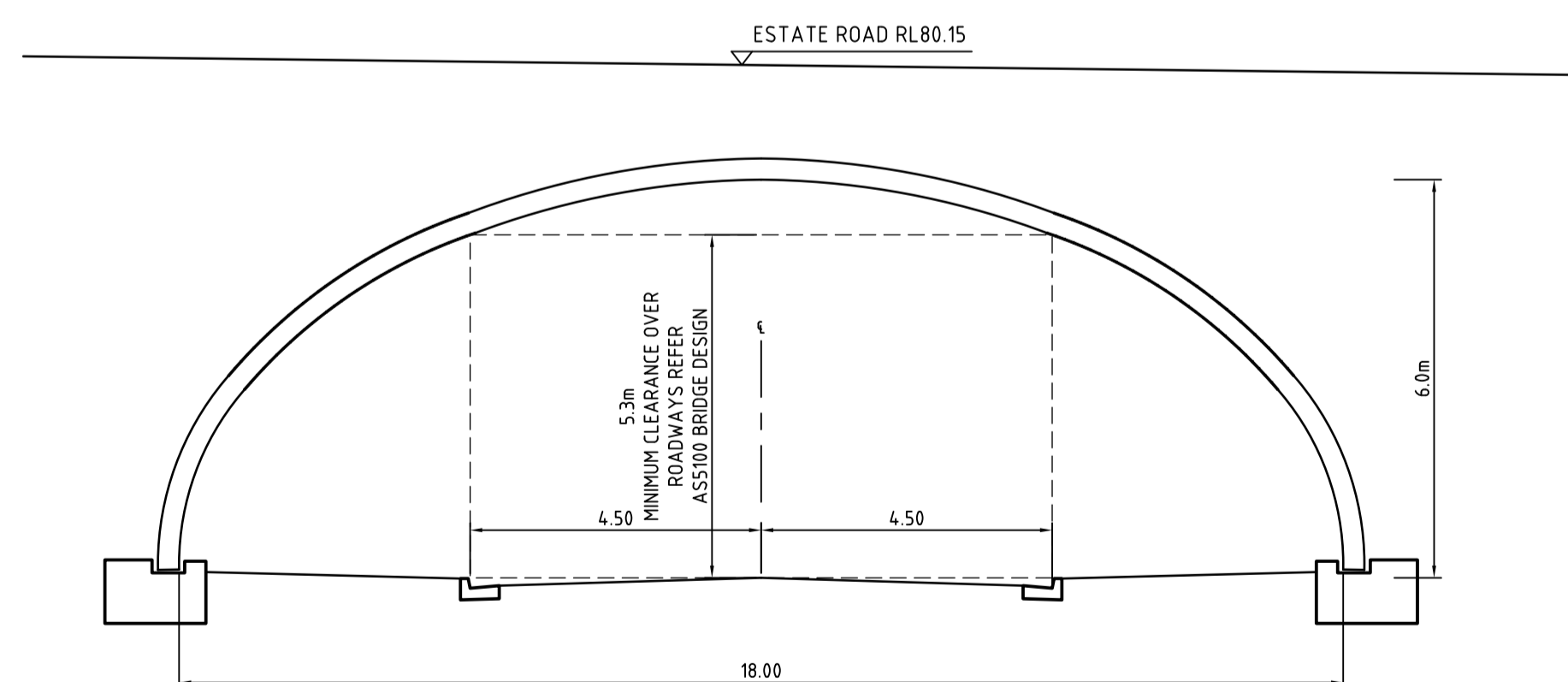
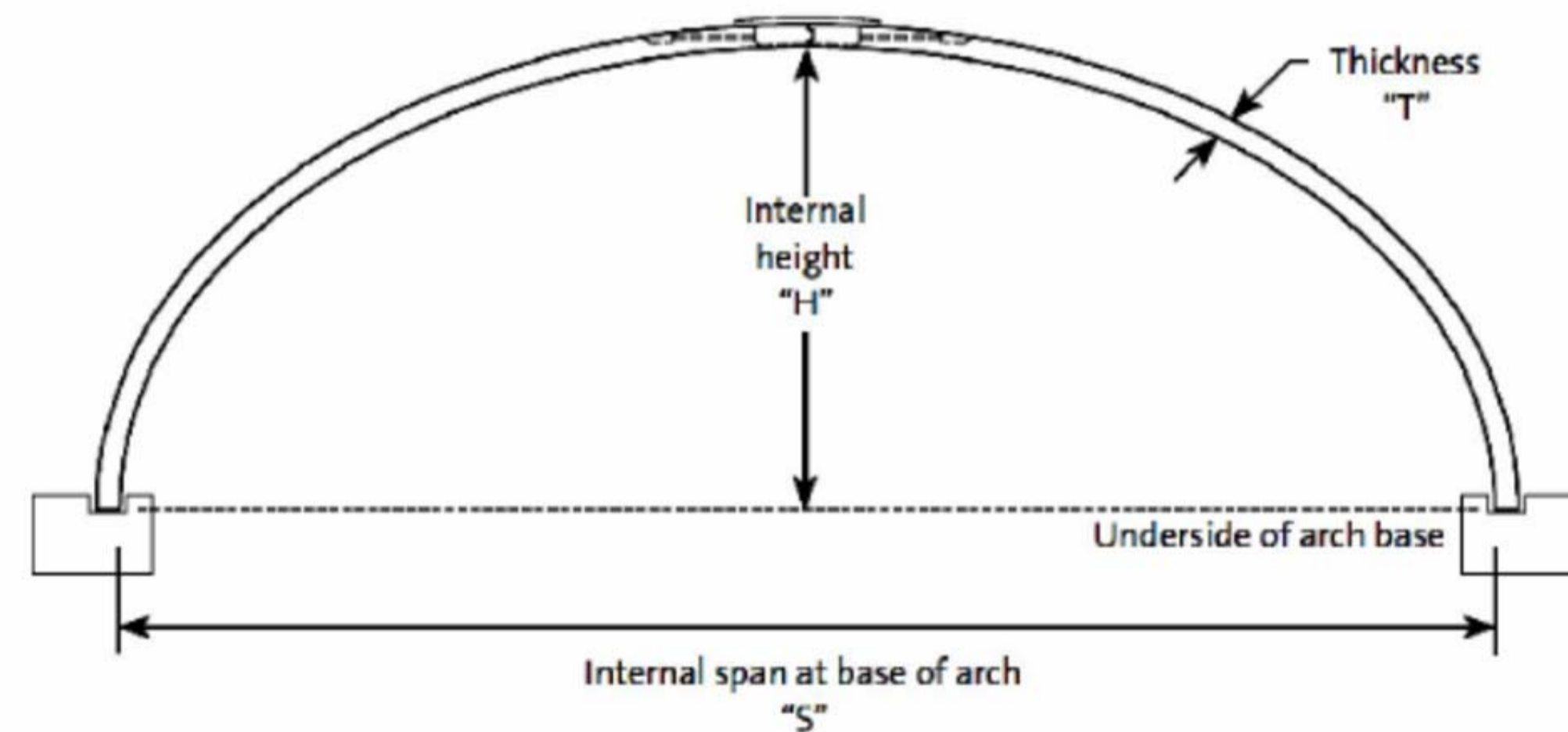


Figure 5 – Arch profiles 15500T, 18600T, 21700T and 25900T

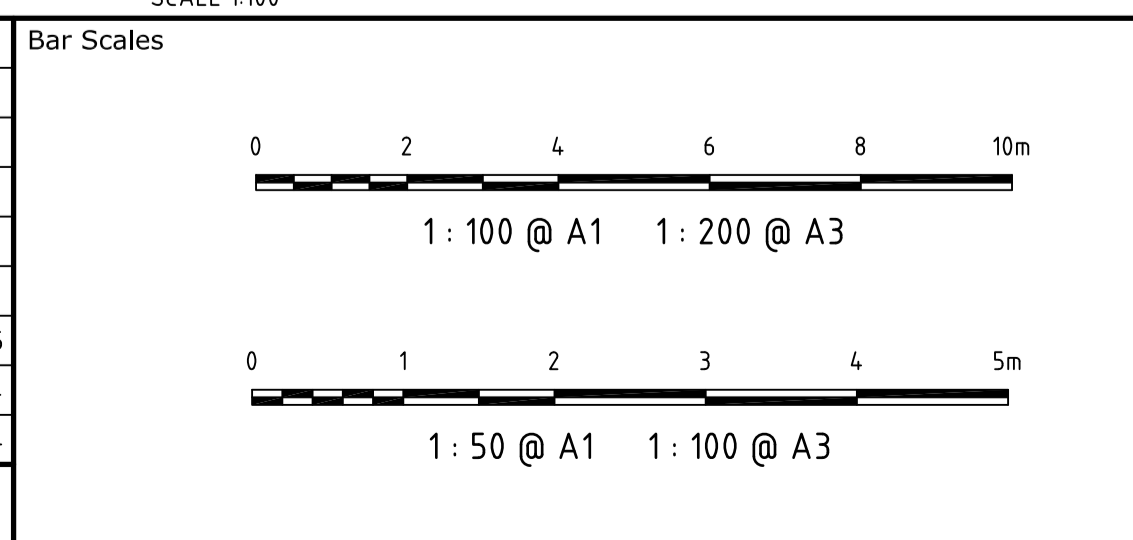


TYPICAL SECTION - HUMES PRECAST ARCH
18600T
SCALE 1:100

NOTE: TYPE OF BRIDGE STRUCTURE AND FOOTING DETAILS SUBJECT TO DETAILED DESIGN.



Issue	Description	Date
C	RE-ISSUED FOR SSSA	20-02-15
B	ISSUED FOR SSSA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14



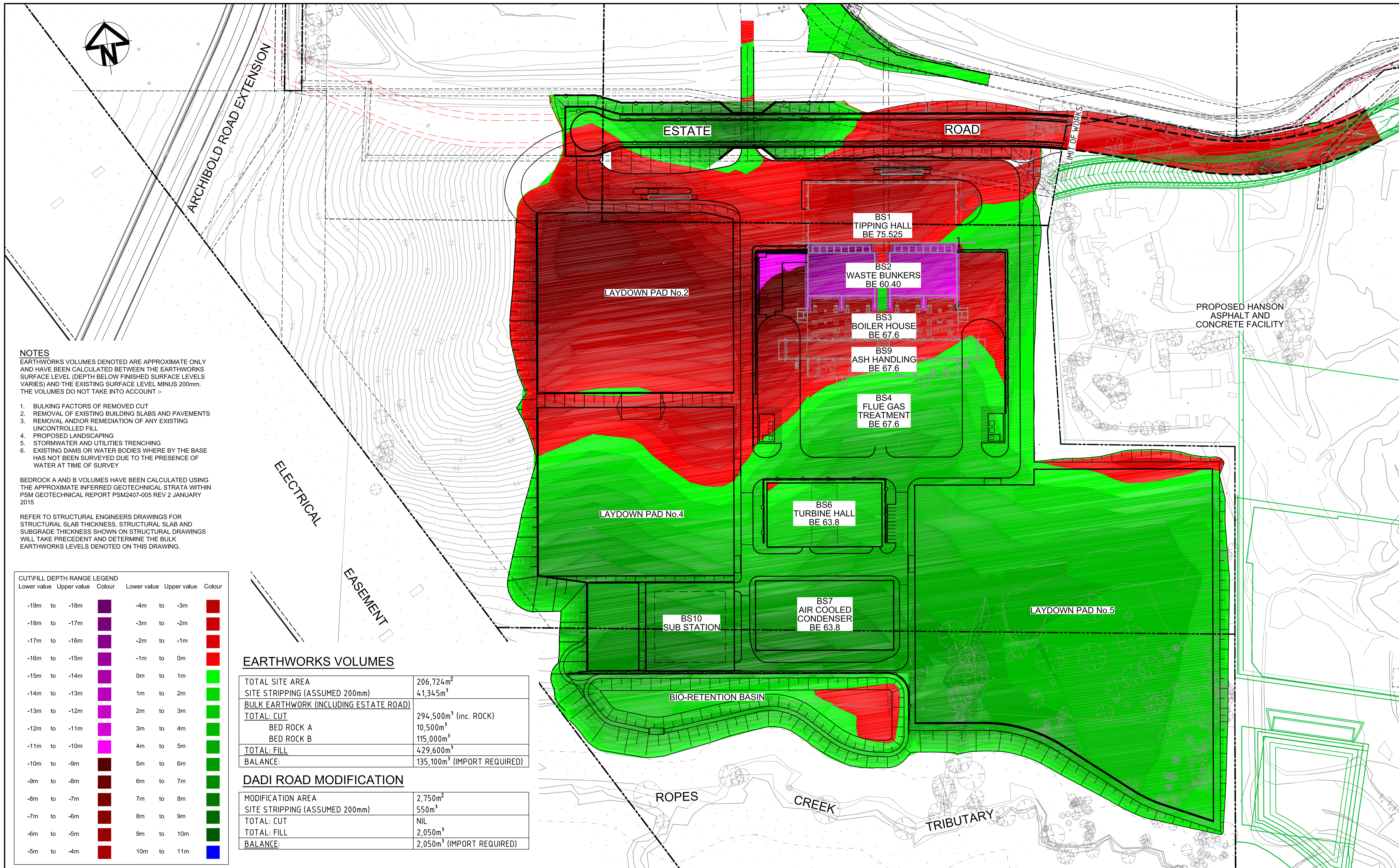
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	Approved	
Grid	AHD	
Height Datum	AHD	

Project	Title
ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK	ESTATE ROAD TYPICAL SECTIONS AND DETAILS

Civil Engineers and Project Managers	
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Status	A1
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Drawing No.	Issue
C007	C
Project No.	
14-187	



NOTES
 EARTHWORKS VOLUMES DENOTED ARE APPROXIMATE ONLY AND HAVE BEEN CALCULATED BETWEEN THE EARTHWORKS SURFACE LEVEL (DEPTH BELOW FINISHED SURFACE LEVELS VARIES) AND THE EXISTING SURFACE LEVEL MINUS 200mm. THE VOLUMES DO NOT TAKE INTO ACCOUNT :-

1. BULKING FACTORS OF REMOVED CUT
2. REMOVAL OF EXISTING BUILDING SLABS AND PAVEMENTS
3. REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
4. PROPOSED LANDSCAPING
5. STORMWATER AND UTILITIES TRENCHING
6. EXISTING DAMS OR WATER BODIES WHERE BY THE BASE HAS NOT BEEN SURVEYED DUE TO THE PRESENCE OF WATER AT TIME OF SURVEY

BEDROCK A AND B VOLUMES HAVE BEEN CALCULATED USING THE APPROXIMATE INFERRED GEOTECHNICAL STRATA WITHIN PSM GEOTECHNICAL REPORT PSM2407-005 REV 2 JANUARY 2015

REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR STRUCTURAL SLAB THICKNESS, STRUCTURAL SLAB AND SUBGRADE THICKNESS SHOWN ON STRUCTURAL DRAWINGS WILL TAKE PRECEDENT AND DETERMINE THE BULK EARTHWORKS LEVELS DENOTED ON THIS DRAWING.

CUT/FILL DEPTH RANGE LEGEND			CUT/FILL DEPTH RANGE LEGEND		
Lower value	Upper value	Colour	Lower value	Upper value	Colour
-19m to	-18m	[Purple]	-4m to	-3m	[Red]
-18m to	-17m	[Dark Purple]	-3m to	-2m	[Red]
-17m to	-16m	[Purple]	-2m to	-1m	[Red]
-16m to	-15m	[Purple]	-1m to	0m	[Red]
-15m to	-14m	[Purple]	0m to	1m	[Green]
-14m to	-13m	[Purple]	1m to	2m	[Green]
-13m to	-12m	[Purple]	2m to	3m	[Green]
-12m to	-11m	[Purple]	3m to	4m	[Green]
-11m to	-10m	[Purple]	4m to	5m	[Green]
-10m to	-9m	[Dark Purple]	5m to	6m	[Green]
-9m to	-8m	[Dark Purple]	6m to	7m	[Green]
-8m to	-7m	[Dark Purple]	7m to	8m	[Green]
-7m to	-6m	[Dark Purple]	8m to	9m	[Green]
-6m to	-5m	[Dark Purple]	9m to	10m	[Green]
-5m to	-4m	[Dark Purple]	10m to	11m	[Blue]

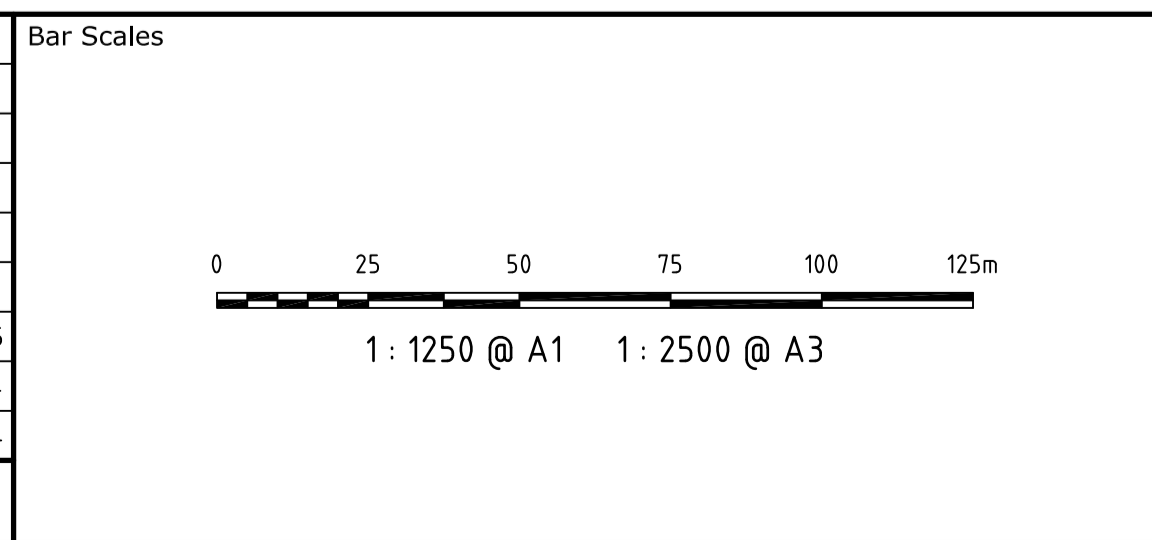
EARTHWORKS VOLUMES

TOTAL SITE AREA	206,724m ²
SITE STRIPPING (ASSUMED 200mm)	41,345m ³
BULK EARTHWORK (INCLUDING ESTATE ROAD)	
TOTAL: CUT	294,500m ³ (inc. ROCK)
BED ROCK A	10,500m ³
BED ROCK B	115,000m ³
TOTAL: FILL	429,600m ³
BALANCE:	135,100m ³ (IMPORT REQUIRED)

DADI ROAD MODIFICATION

MODIFICATION AREA	2,750m ²
SITE STRIPPING (ASSUMED 200mm)	550m ³
TOTAL: CUT	NIL
TOTAL: FILL	2,050m ³
BALANCE:	2,050m ³ (IMPORT REQUIRED)

Issue	Description	Date
C	RE-ISSUED FOR SSSA	20-02-15
B	ISSUED FOR SSSA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14



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Height Datum	AHD
Drawn	TS
Designed	TS
Checked	MM
Approved	

Project	ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK
Title	BULK EARTHWORKS CUT AND FILL PLAN

Civil Engineers and Project Managers

Suite 702, 154 Pacific Hwy
 St Leonards NSW 2065
 ABN 96 130 882 405
 Tel: 02 9439 1777
 Fax: 02 9460 8413
 www.atl.net.au
 info@atl.net.au

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NOT TO BE USED FOR CONSTRUCTION		
Drawing No.	Project No.	Issue
C009	14-187	C