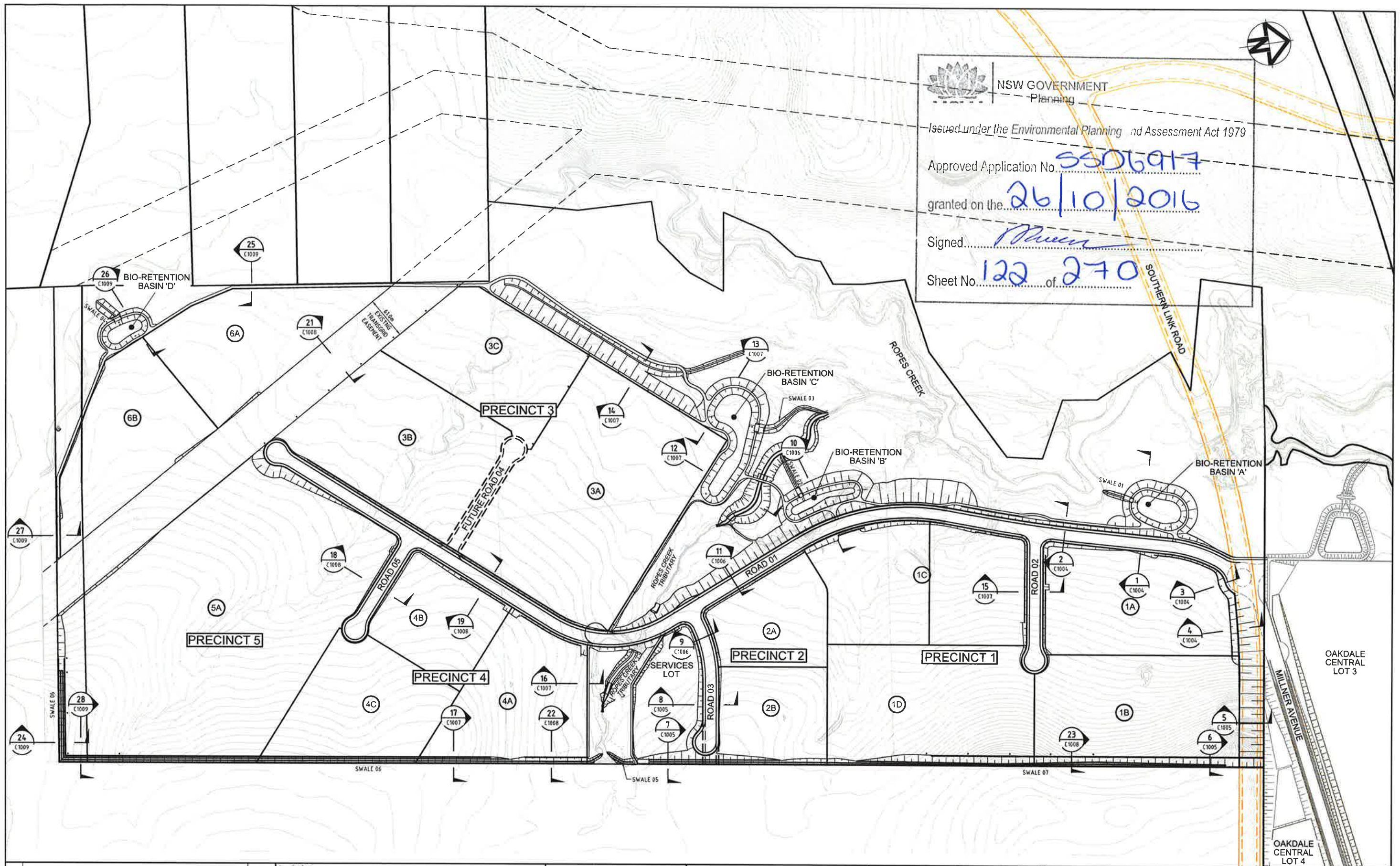






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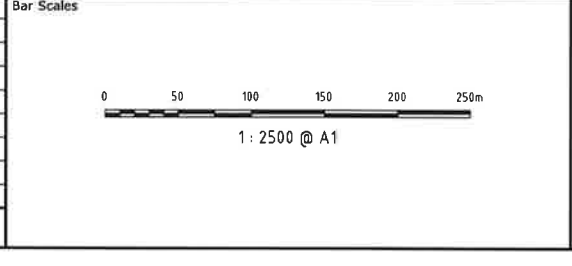
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Issue	Description	Date
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Scales	1 : 2500	Drawn	JB
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Project

OAKDALE SOUTH

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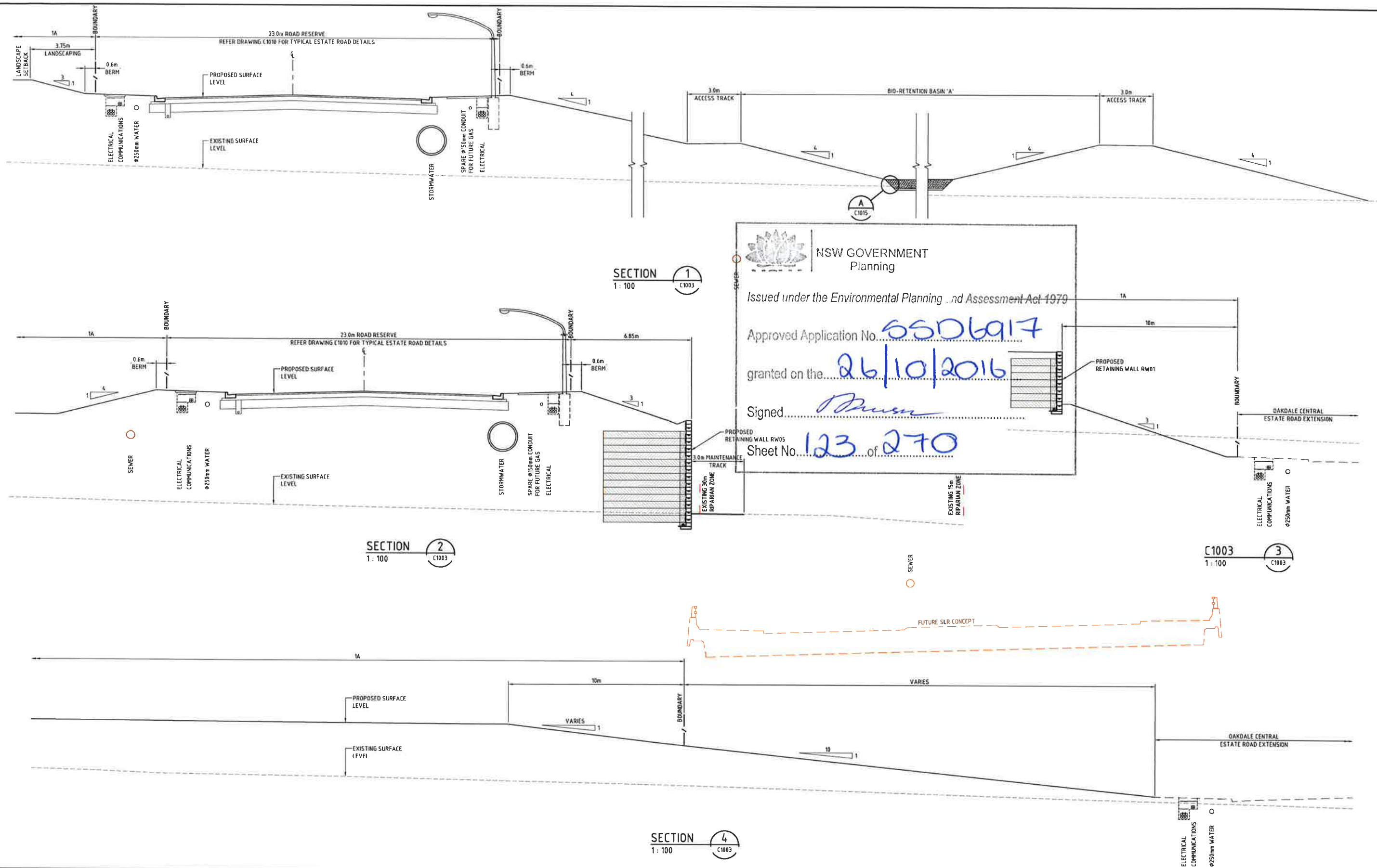
GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers

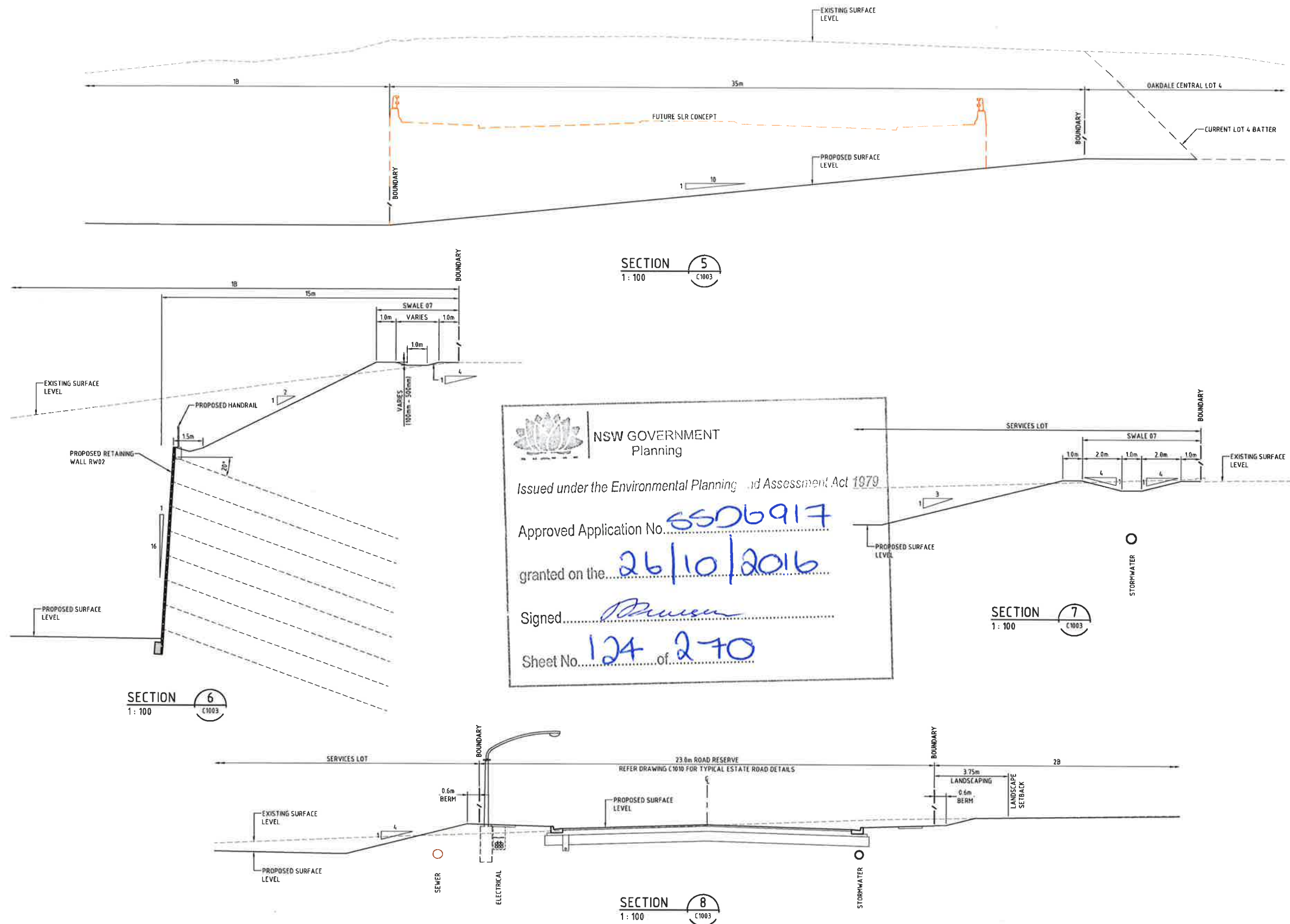


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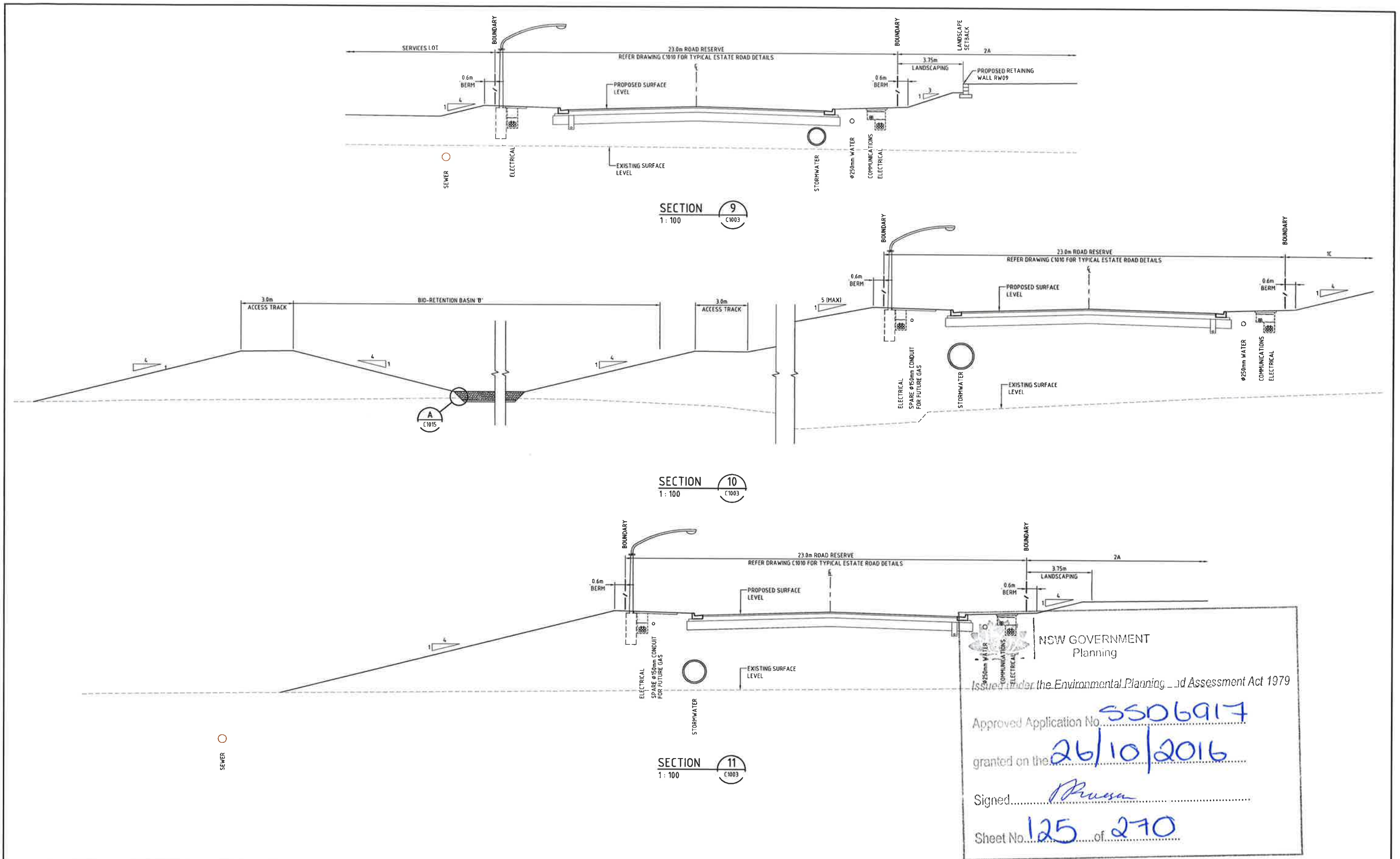
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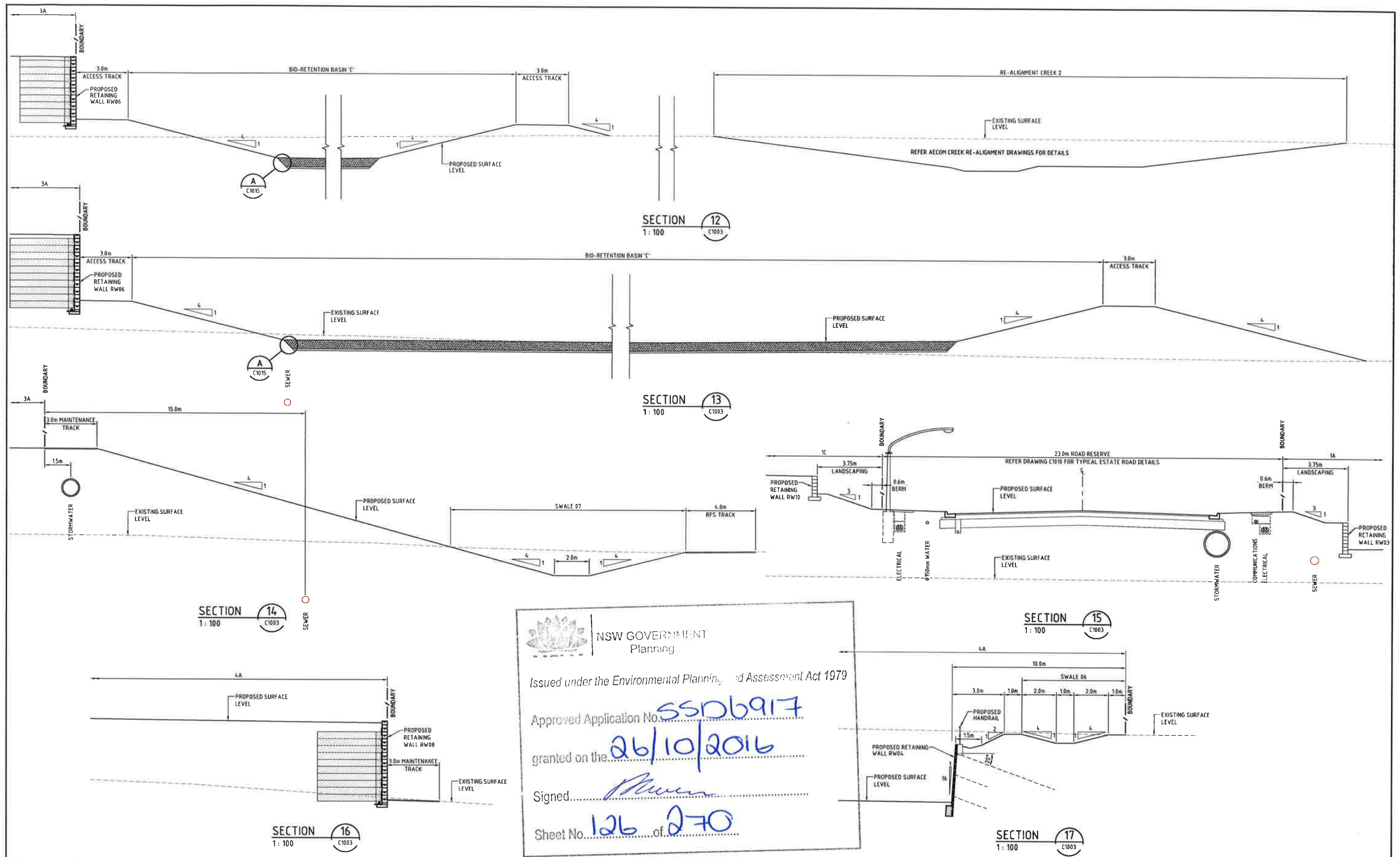
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Issue A Description ISSUED FOR SSD APPLICATION Date 03-09-15		Title TYPICAL SECTIONS SHEET 2		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		Drawing No. C1005 Project No. 14-193 Issue A							



		Bar Scales 		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		Client 		<table><tr><td rowspan="2">Scales</td><td>1 : 100</td><td>Drawn</td><td>JB</td></tr><tr><td></td><td>Designed</td><td>JB</td></tr><tr><td>Grid</td><td>MGA</td><td>Checked</td><td>JP</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td></td></tr></table>		Scales	1 : 100	Drawn	JB		Designed	JB	Grid	MGA	Checked	JP	Height Datum	AHD	Approved		<table><tr><td colspan="2">Project</td></tr><tr><td colspan="2">OAKDALE SOUTH</td></tr><tr><td colspan="2">Title</td></tr><tr><td colspan="2">TYPICAL SECTIONS SHEET 3</td></tr></table>		Project		OAKDALE SOUTH		Title		TYPICAL SECTIONS SHEET 3		<table><tr><td colspan="3">Civil Engineers and Project Managers</td></tr><tr><td colspan="3"></td></tr><tr><td colspan="3">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</td></tr><tr><td>Status</td><td>FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION</td><td>A1</td></tr><tr><td>Drawing No. C1006</td><td>Project No. 14-193</td><td>Issue A</td></tr></table>		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			Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1	Drawing No. C1006	Project No. 14-193	Issue A
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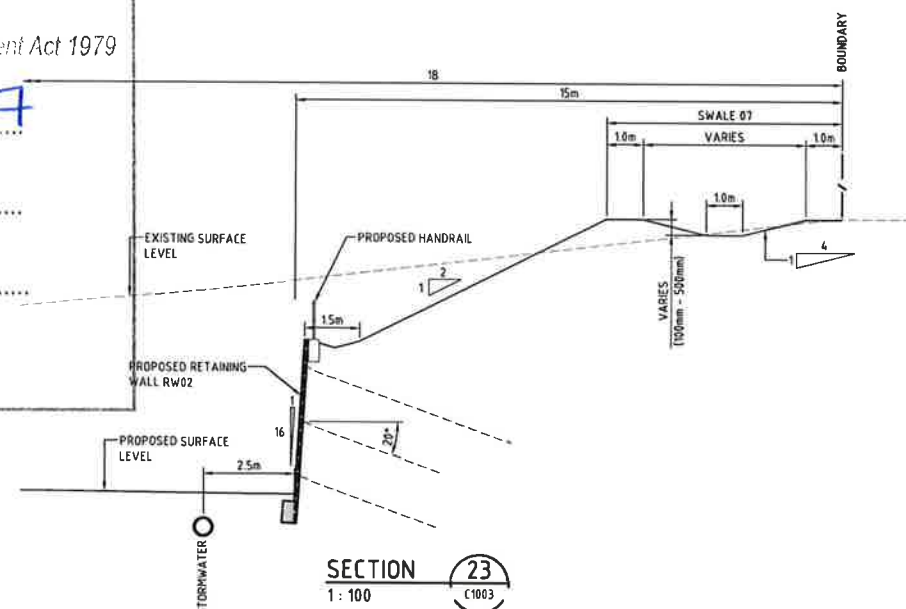
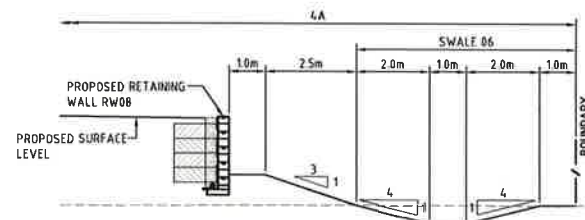
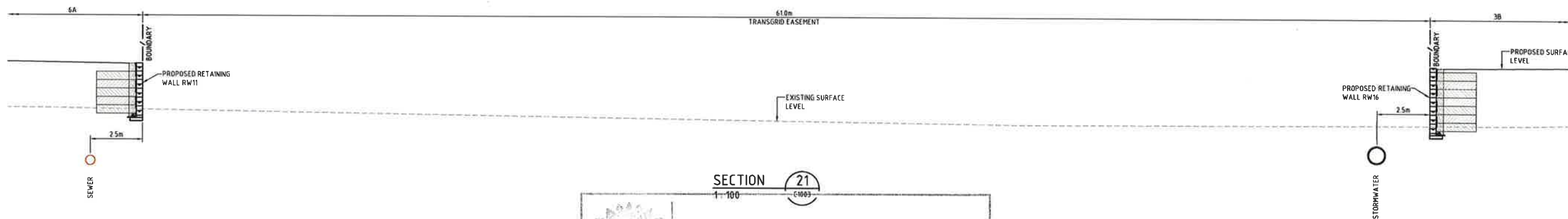
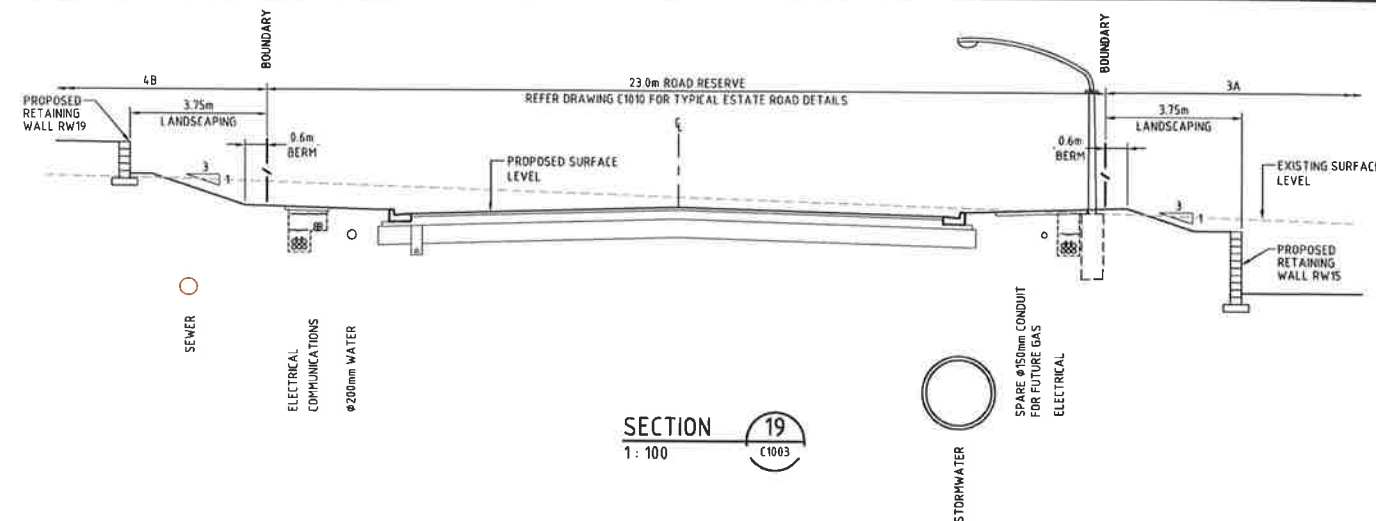
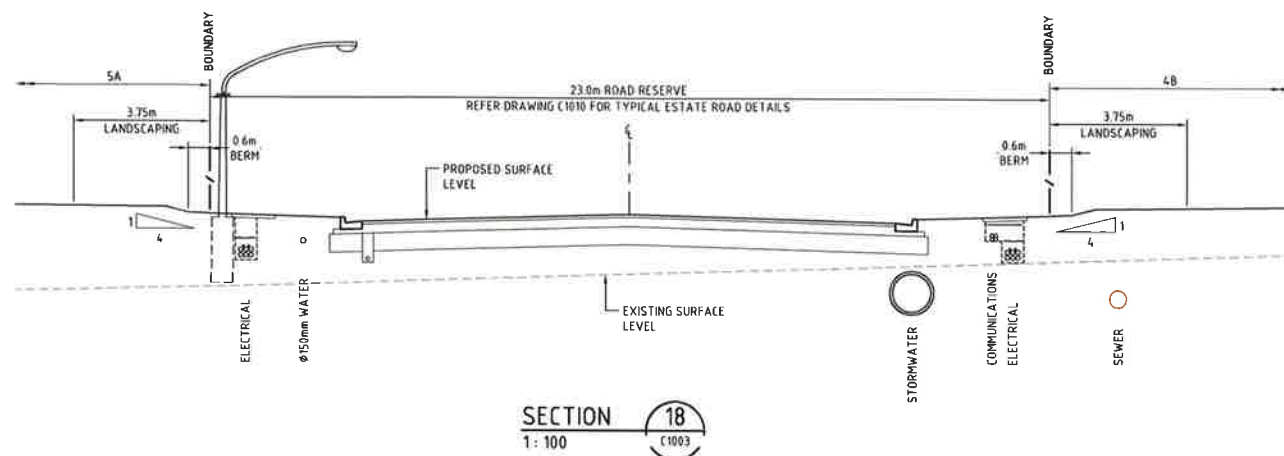
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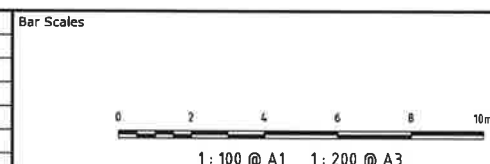
Approved Application No. **SSD6917**

granted on the **26/10/2016**

Signed **[Signature]**

Sheet No. **127** of **270**

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



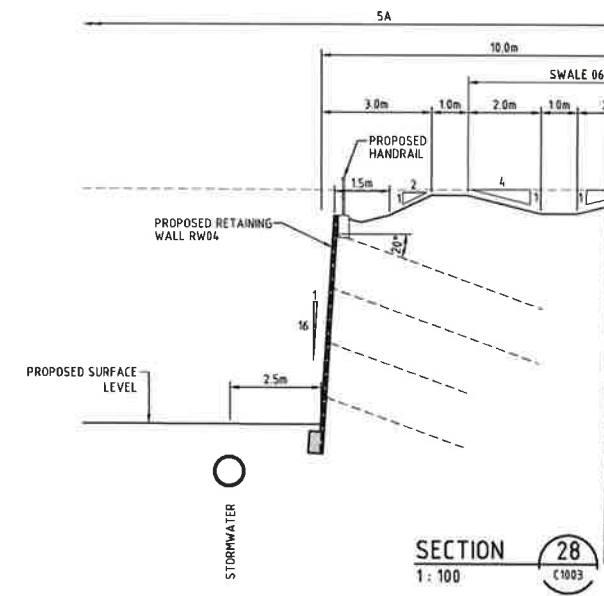
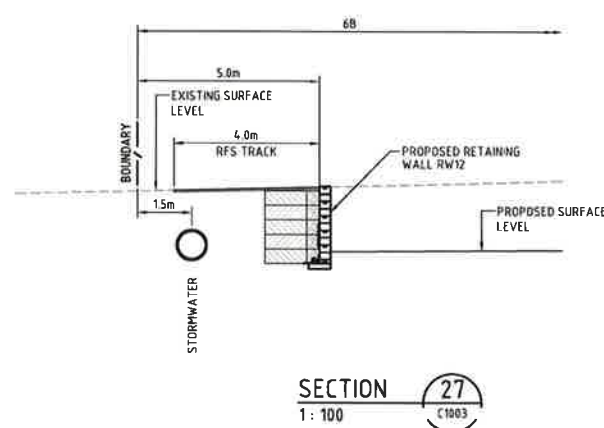
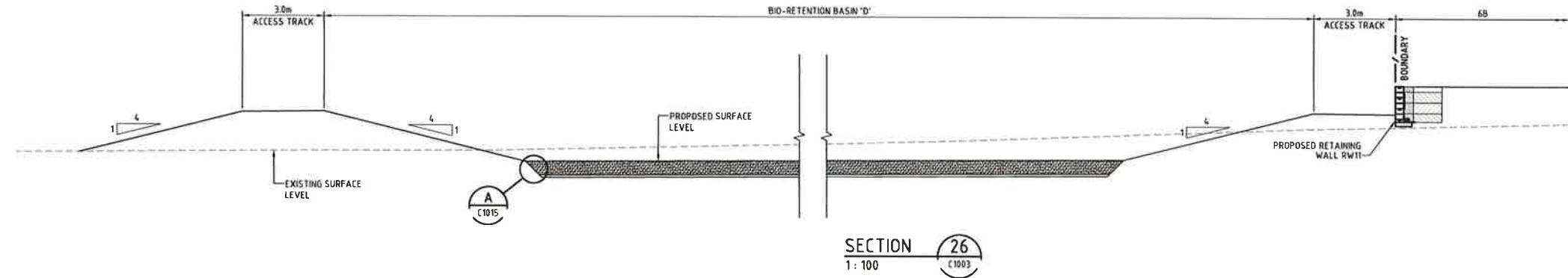
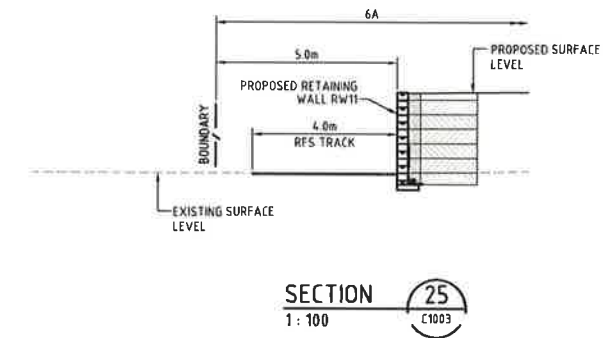
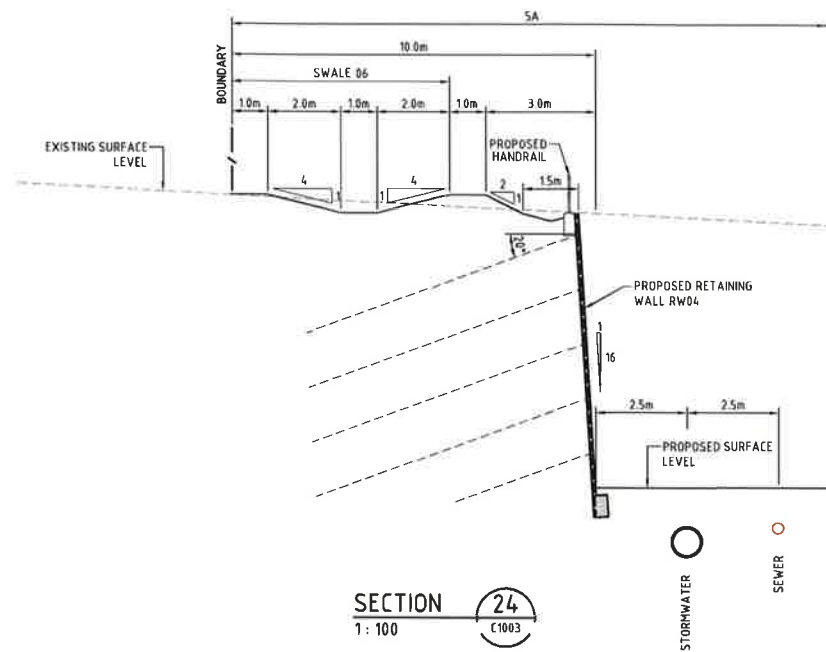
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Scale	1:100	Drawn	JB
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Grid	MGA	Checked	JP
Height	AHD	Approved	
Datum			

Project	OAKDALE SOUTH
Title	TYPICAL SECTIONS SHEET 5

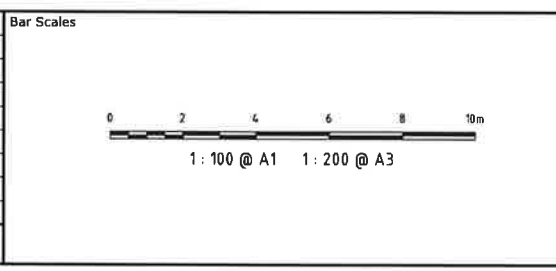
Civil Engineers and Project Managers		Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9460 8413 www.atl.net.au info@atl.net.au	
atl			
Status		A1	
FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION			
Drawing No.	Project No.	Issue	
C1008	14-193	A	



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Sheet No. 128 of 270

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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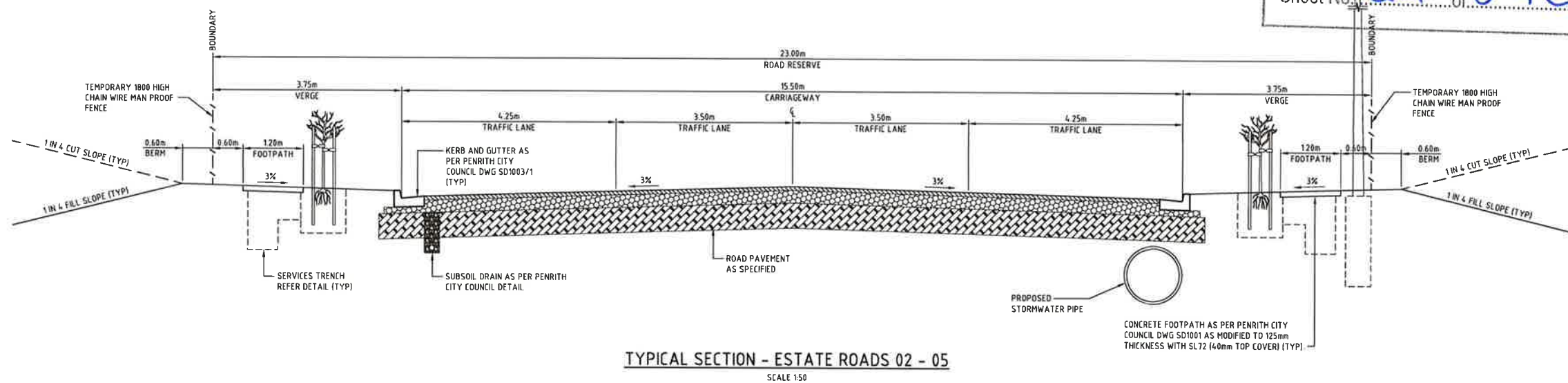
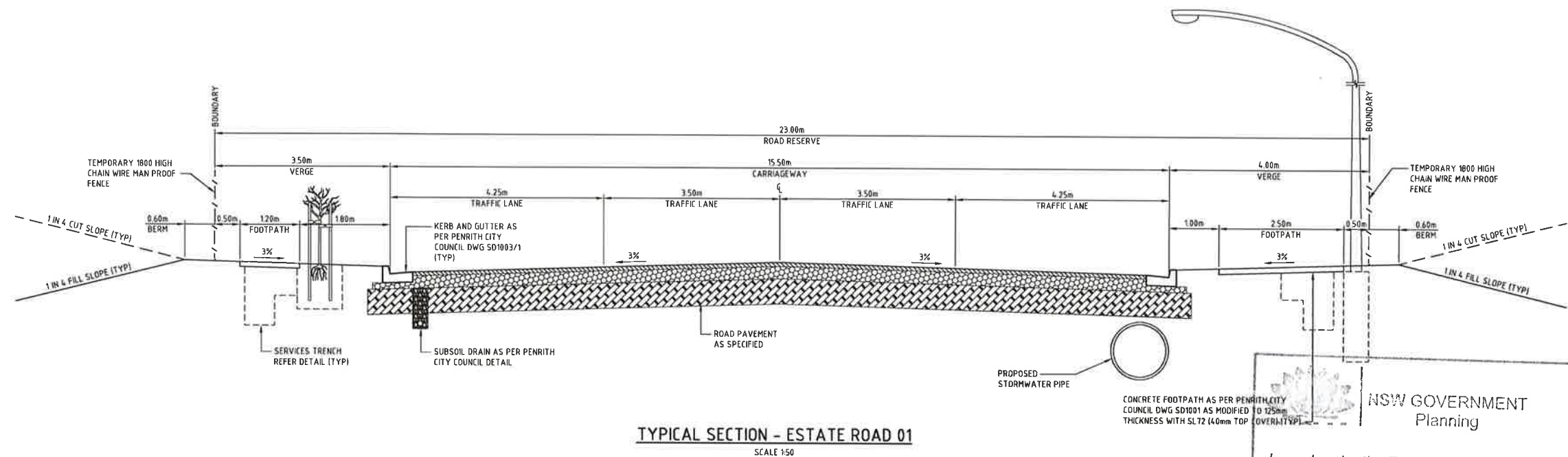


Scales	1:100	Drawn	JB
		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project
OAKDALE SOUTH

Title
TYPICAL SECTIONS SHEET 6

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		
Status	FOR APPROVAL	A1
Drawing No.	C1009	Issue
Project No.	14-193	A



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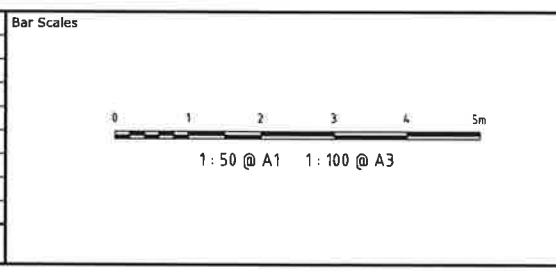
Approved Application No. SS06917

granted on the 26/10/2016

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Sheet No. 129 of 870

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



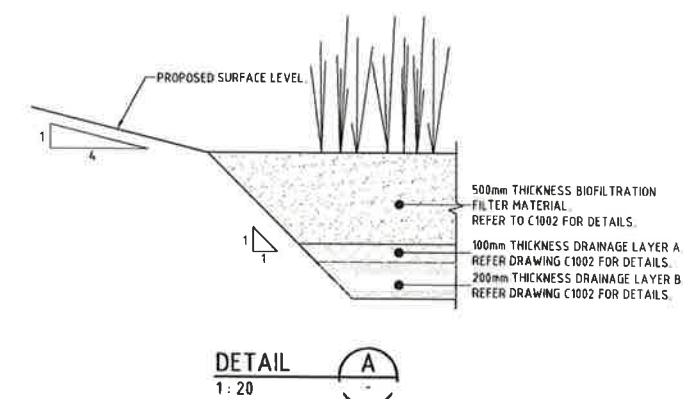
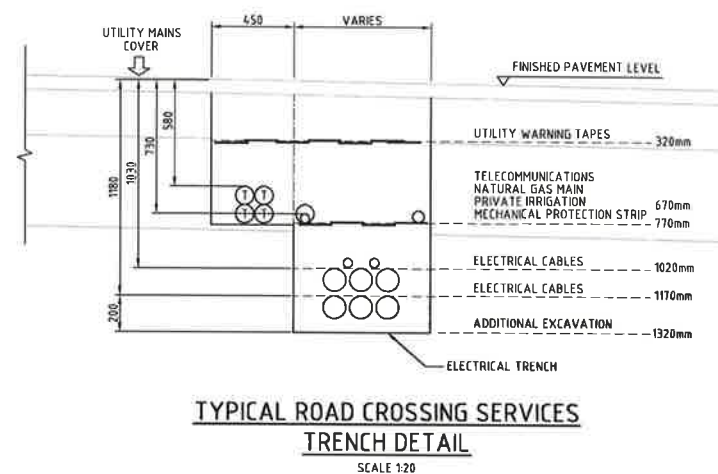
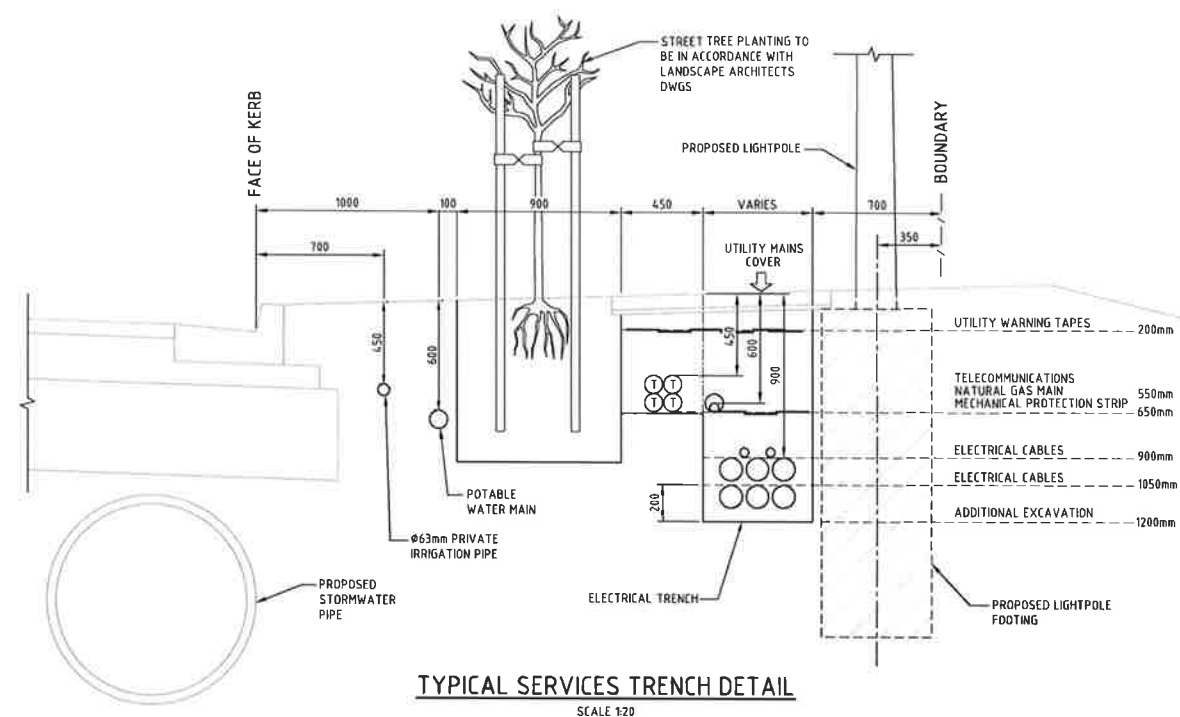
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Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH
Title	TYPICAL SECTIONS SHEET 7

Civil Engineers and Project Managers	at&l	Status	FOR APPROVAL	A1
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		Drawing No.	C1010	Issue
		Project No.	14-193	A



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Sheet No. **130** of **270**

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Scales	AS SHOWN	Drawn	JB																																					
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 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																																								
		 1 : 20 @ A1 1 : 40 @ A3																																						
A		ISSUED FOR SSD APPLICATION		03-09-15																																				
Issue		Description		Date																																				

EARTHWORKS VOLUMES

	EXISTING TOPSOIL STRIP (m³). REFER NOTE 1.	EXCAVATION OF EXISTING CREEKS AND DAMS. REFER NOTE 2.	EXISTING ROCK CUT (m³)	EXISTING VENM CUT (m³)	NET CUT (m³)	NET FILL (m³)	BALANCE (m³)
INFRASTRUCTURE	-10,562	-11,856	-21,018	-43,817	-87,253	236,637	149,384
PRECINCT 1	-13,165	-4,466	-79,326	-69,149	-166,106	547,260	381,154
PRECINCT 2	-2,798	0	0	-2,674	-5,472	115,335	109,863
PRECINCT 3	-6,035	-26,870	-969	-5,138	-39,012	495,195	456,183
PRECINCT 4	-14,208	0	-44,327	-70,142	-128,677	60,429	-68,248
PRECINCT 5	-18,696	-2,497	-68,280	-118,541	-208,014	132,913	-75,101
PRECINCT 6	-8,505	0	0	-9,955	-18,460	66,446	47,986
SERVICES LOT	-2,173	-30	-133	-4,253	-6,589	10,641	4,052
TOTAL	-76,142	-45,719	-214,053	-323,669	-659,583	1,664,856	1,005,273

- NOTES**
- EXISTING TOPSOIL STRIPPED 200mm IN AREAS OF PROPOSED CUT OR AREAS OF PROPOSED FILL UP TO 1m IN DEPTH.
 - ADDITIONAL EXCAVATION OF EXISTING CREEKS AND DAMS WITHIN SITE AREA TO A DEPTH OF 1m BELOW EXISTING INVERT AND WIDTH OF EXISTING CREEK/DAM EXTENT. VOLUMES ARE APPROXIMATE.
 - THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING -
 - BULKING FACTORS OF REMOVED CUT
 - REMOVAL OF EXISTING BUILDING SLABS AND PAVEMENTS
 - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
 - PROPOSED LANDSCAPING
 - PROPOSED RETAINING WALL EARTHWORKS AND BACKFILL MATERIAL

LEGEND

- PRECINCT BOUNDARY
- EXCAVATION OF EXISTING CREEKS AND DAMS. REFER NOTE 2.

EARTHWORKS CUT/FILL LEGEND

LOWER VALUE	UPPER VALUE	COLOUR	LOWER VALUE	UPPER VALUE	COLOUR	LOWER VALUE	UPPER VALUE	COLOUR	LOWER VALUE	UPPER VALUE	COLOUR
-15.5 m	to	-14.0 m	-7.5 m	to	-7.0 m	-0.5 m	to	0 m	6.5 m	to	7.0 m
-14.0 m	to	-14.5 m	-7.0 m	to	-6.5 m	0 m	to	0.5 m	7.0 m	to	7.5 m
-14.5 m	to	-13.0 m	-6.5 m	to	-6.0 m	0.5 m	to	1.0 m	7.5 m	to	8.0 m
-13.0 m	to	-12.5 m	-6.0 m	to	-5.5 m	1.0 m	to	1.5 m	8.0 m	to	8.5 m
-12.5 m	to	-12.0 m	-5.5 m	to	-5.0 m	1.5 m	to	2.0 m	8.5 m	to	9.0 m
-12.0 m	to	-11.5 m	-5.0 m	to	-4.5 m	2.0 m	to	2.5 m	9.0 m	to	9.5 m
-11.5 m	to	-11.0 m	-4.5 m	to	-4.0 m	2.5 m	to	3.0 m	9.5 m	to	10.0 m
-11.0 m	to	-10.5 m	-4.0 m	to	-3.5 m	3.0 m	to	3.5 m			
-10.5 m	to	-10.0 m	-3.5 m	to	-3.0 m	3.5 m	to	4.0 m			
-10.0 m	to	-9.5 m	-3.0 m	to	-2.5 m	4.0 m	to	4.5 m			
-9.5 m	to	-9.0 m	-2.5 m	to	-2.0 m	4.5 m	to	5.0 m			
-9.0 m	to	-8.5 m	-2.0 m	to	-1.5 m						
-8.5 m	to	-8.0 m	-1.5 m	to	-1.0 m						
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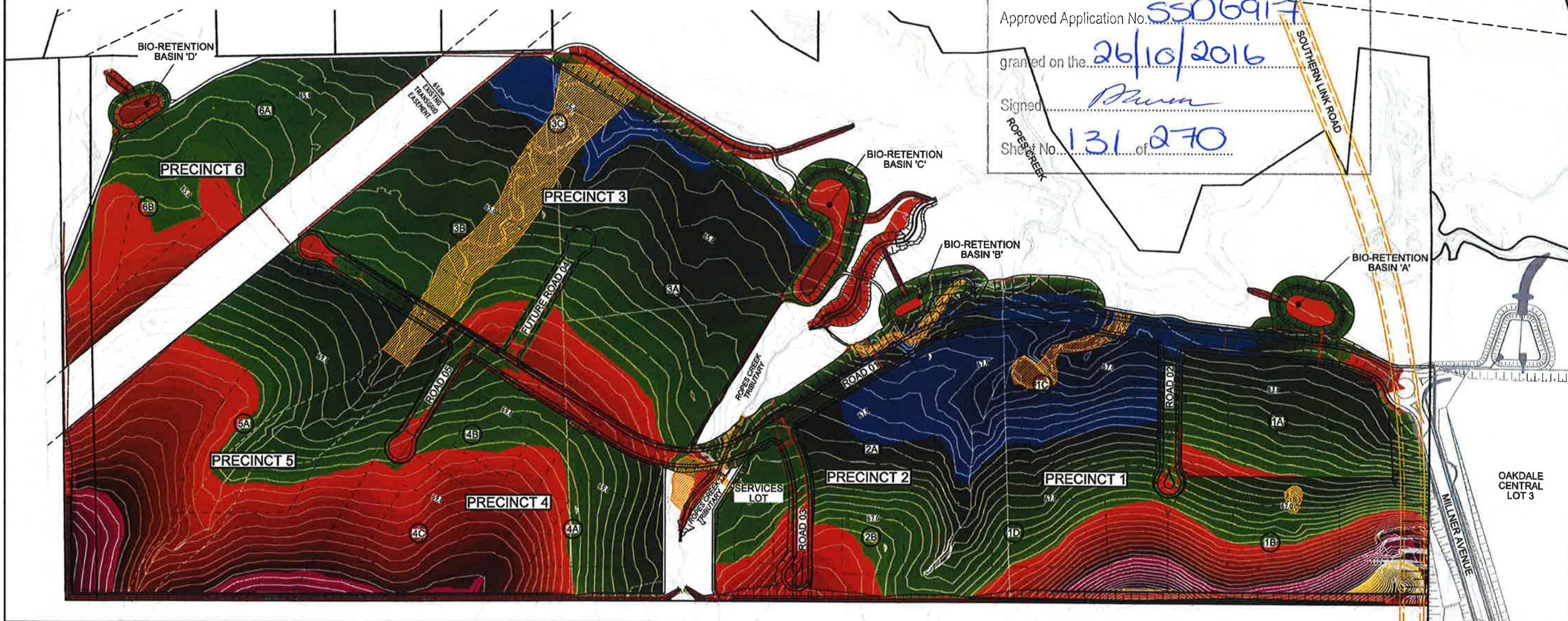
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Approved Application No. 5506917

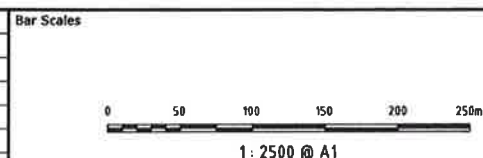
granted on the 26/10/2016

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Sheet No. 131 of 270



Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales 1 : 2500

Grid MGA

Height Datum AHD

Drawn

Designed

Checked

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Project

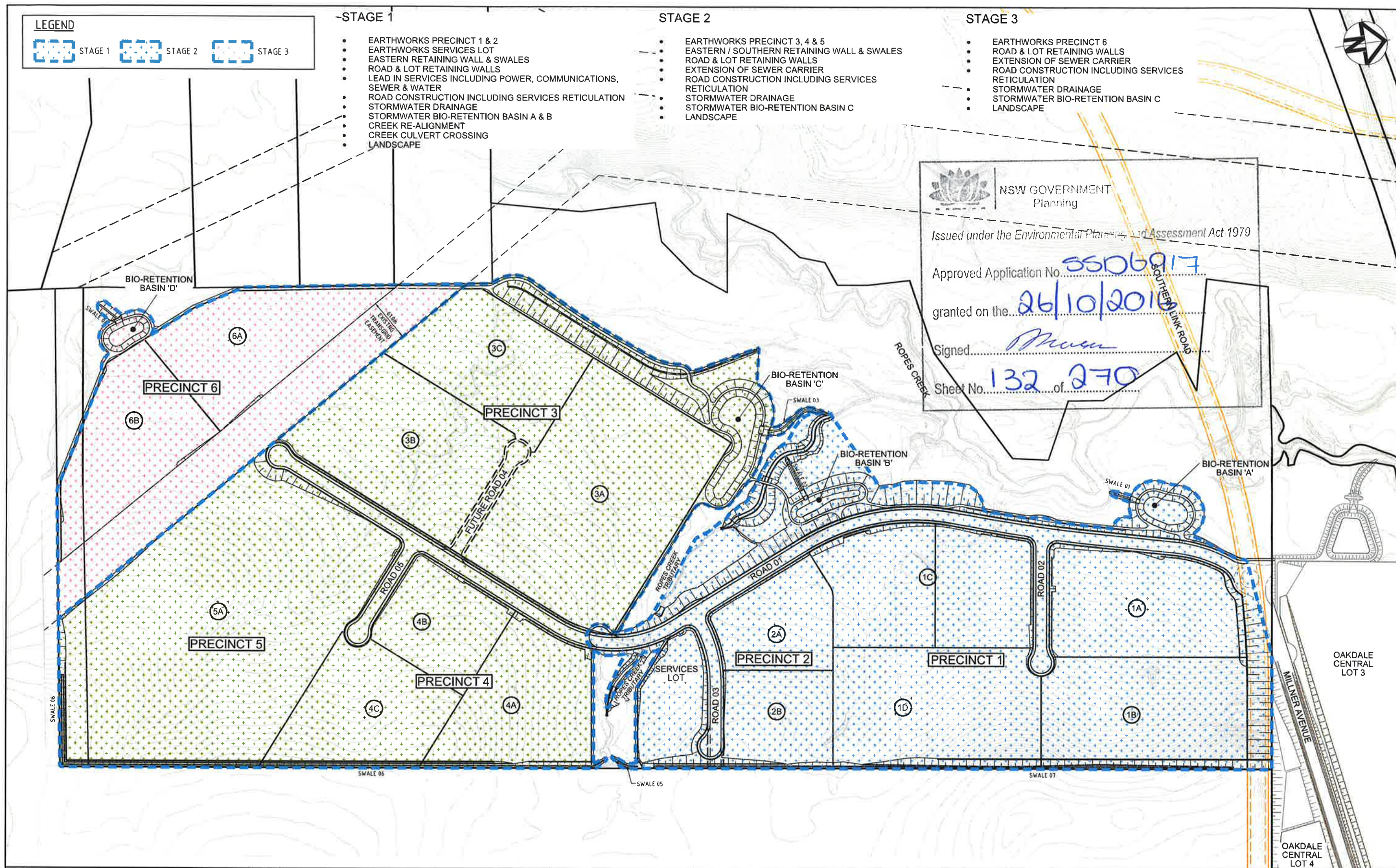
OAKDALE SOUTH

BULK EARTHWORKS
CUT/FILL PLAN

Civil Engineers and Project Managers

at&l
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St Leonards NSW 2065
ABN 96 130 882 405
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Fax: 02 9460 6413
www.atl.net.au
info@atl.net.au

Status **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION
Drawing No. C1020
Project No. 14-193
Issue A



LEGEND



STAGE 1

- EARTHWORKS PRECINCT 1 & 2
- EARTHWORKS SERVICES LOT
- EASTERN RETAINING WALL & SWALES
- ROAD & LOT RETAINING WALLS
- LEAD IN SERVICES INCLUDING POWER, COMMUNICATIONS, SEWER & WATER
- ROAD CONSTRUCTION INCLUDING SERVICES RETICULATION
- STORMWATER DRAINAGE
- STORMWATER BIO-RETENTION BASIN A & B
- CREEK RE-ALIGNMENT
- CREEK CULVERT CROSSING
- LANDSCAPE

STAGE 2

- EARTHWORKS PRECINCT 3, 4 & 5
- EASTERN / SOUTHERN RETAINING WALL & SWALES
- ROAD & LOT RETAINING WALLS
- EXTENSION OF SEWER CARRIER
- ROAD CONSTRUCTION INCLUDING SERVICES RETICULATION
- STORMWATER DRAINAGE
- STORMWATER BIO-RETENTION BASIN C
- LANDSCAPE

STAGE 3

- EARTHWORKS PRECINCT 6
- ROAD & LOT RETAINING WALLS
- EXTENSION OF SEWER CARRIER
- ROAD CONSTRUCTION INCLUDING SERVICES RETICULATION
- STORMWATER DRAINAGE
- STORMWATER BIO-RETENTION BASIN C
- LANDSCAPE

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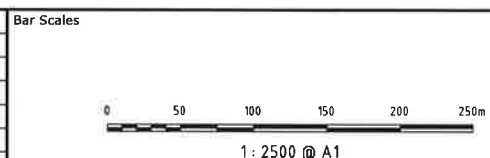
Approved Application No. **5506917**

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Sheet No. **132** of **270**

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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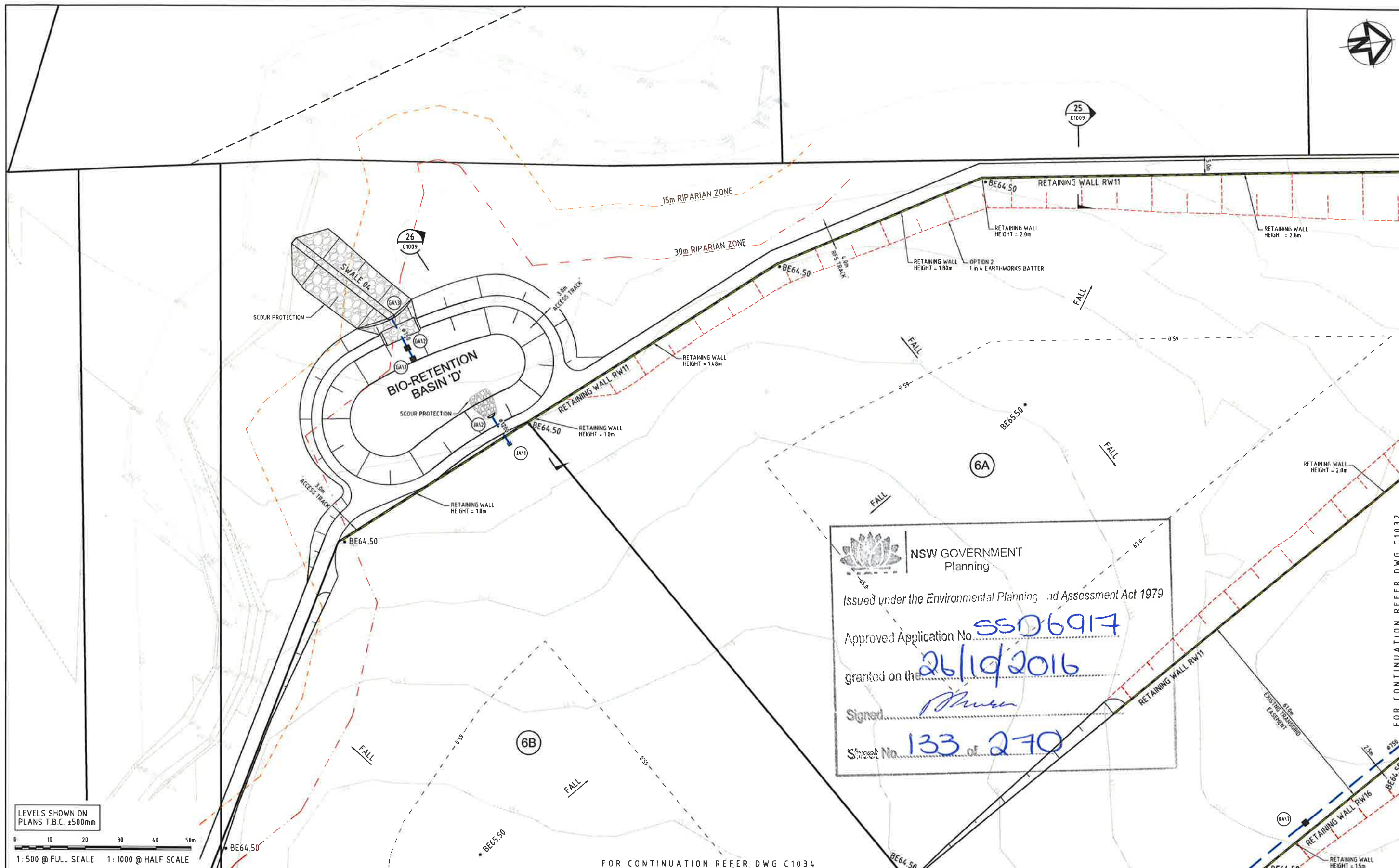
Project	OAKDALE SOUTH
Title	INFRASTRUCTURE STAGING PLAN

Civil Engineers and Project Managers

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Fax: 02 9460 8413
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Status	FOR APPROVAL	A1
Drawing No.	C1021	Issue
Project No.	14-193	A



LEVELS SHOWN ON
PLANS T.B.C. ±500mm

0 10 20 30 40 50m
1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE

FOR CONTINUATION REFER DWG C1034

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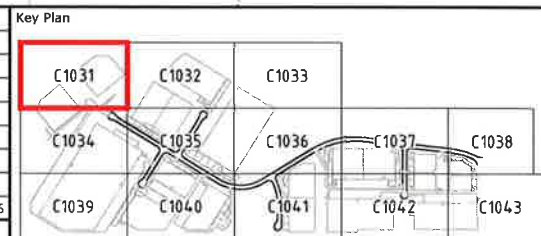
Approved Application No. **SS06917**

granted on the **26/10/2016**

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Sheet No. **133** of **270**

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Client

Goodman

Scales	1: 500
Grid	MGA
Height Datum	AHD

Project

OAKDALE SOUTH

Title

**EARTHWORKS AND
STORMWATER PLAN
SHEET 1**

Civil Engineers and Project Managers

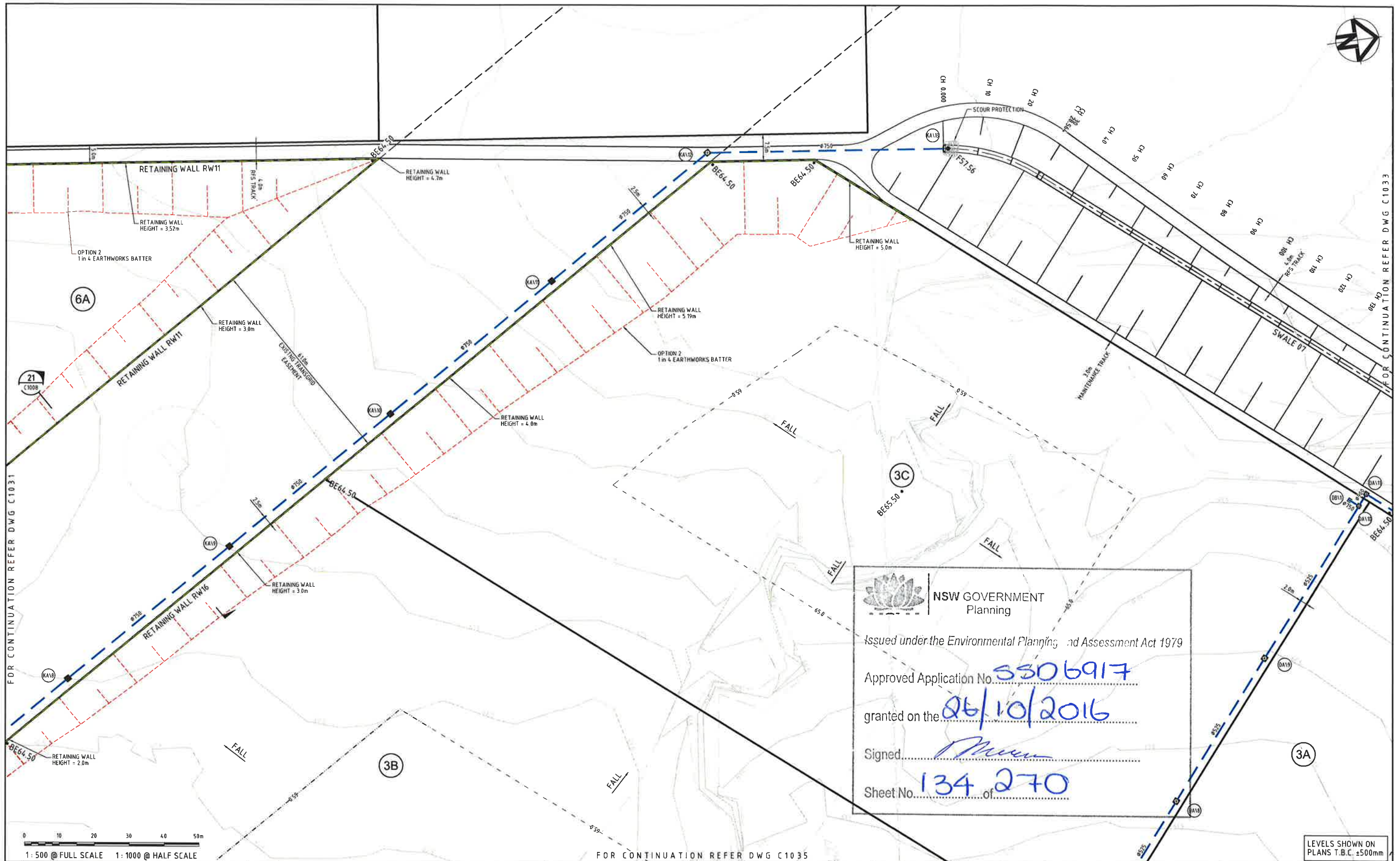
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Tel: 02 9439 1777
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Status **FOR APPROVAL**

NOT TO BE USED FOR CONSTRUCTION

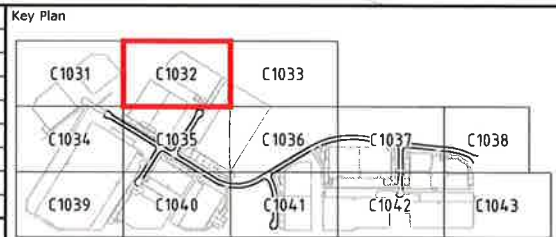
Drawing No. **C1031** Project No. **14-193** Issue **A**



0 10 20 30 40 50m
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Approved Application No. **5506917**
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Sheet No. **134** of **270**

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project
OAKDALE SOUTH
Title
EARTHWORKS AND STORMWATER PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
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info@all.net.au

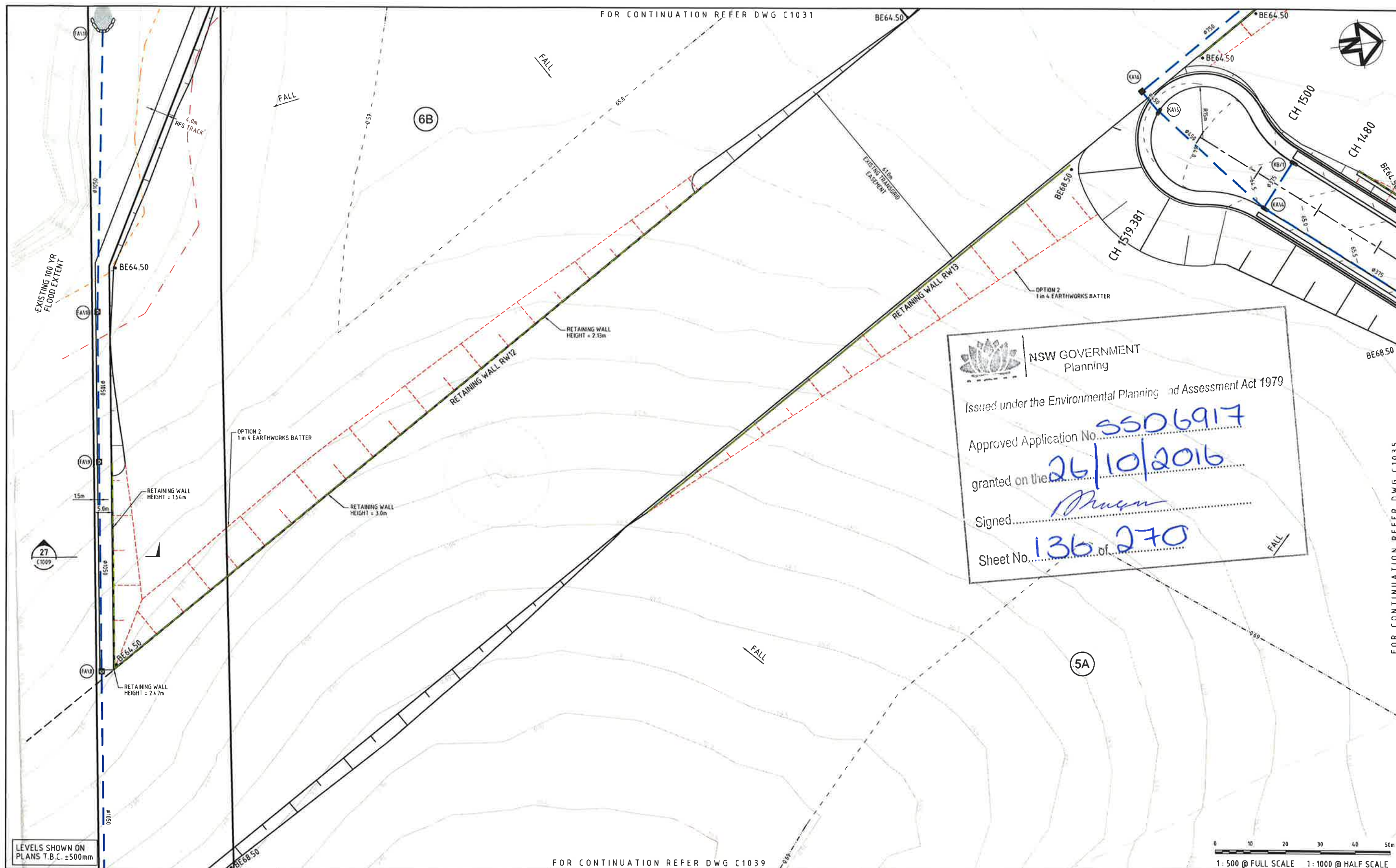
Status	FOR APPROVAL	A1
Drawing No.	C1032	Issue
Project No.	14-193	A

15m RIPARIAN ZONE

Sheet No. 135 of 270

RE-ALIGNMENT
CREEK 2

F:\14-193 Oakdale South\Drugs\Civil\Final\1000_Infrastructure\C1033.dwg



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Approved Application No. SS06917

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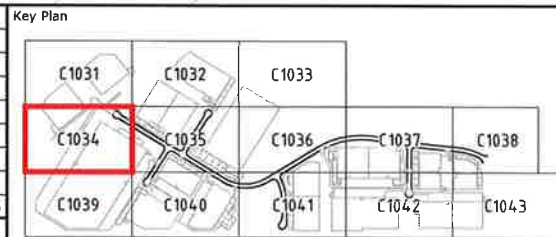
Signed [Signature]

Sheet No. 136 of 270

LEVELS SHOWN ON
PLANS T.B.C. ±500mm

1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Height Datum	AHD

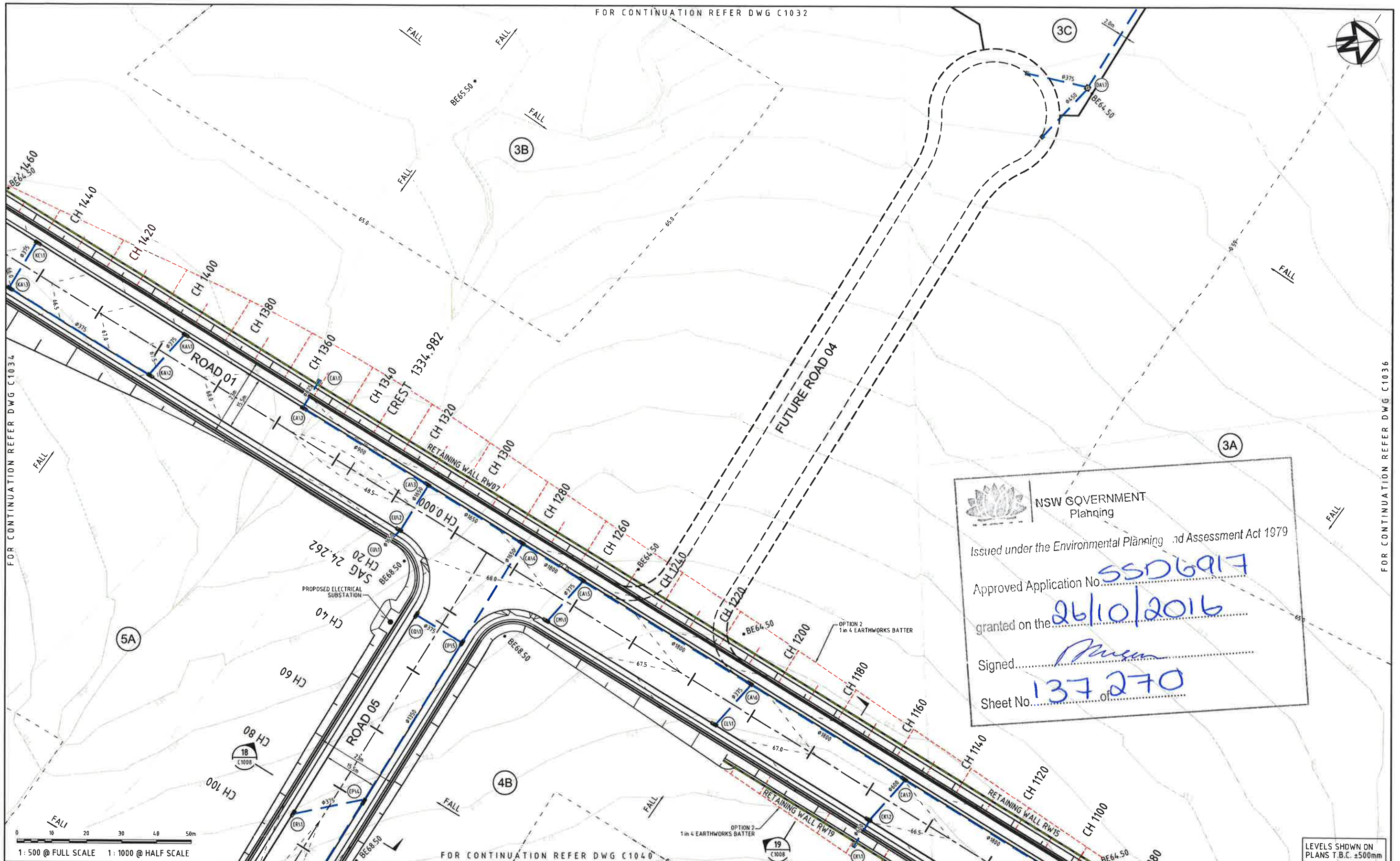
Project	OAKDALE SOUTH
Title	EARTHWORKS AND STORMWATER PLAN SHEET 4

Civil Engineers and Project Managers

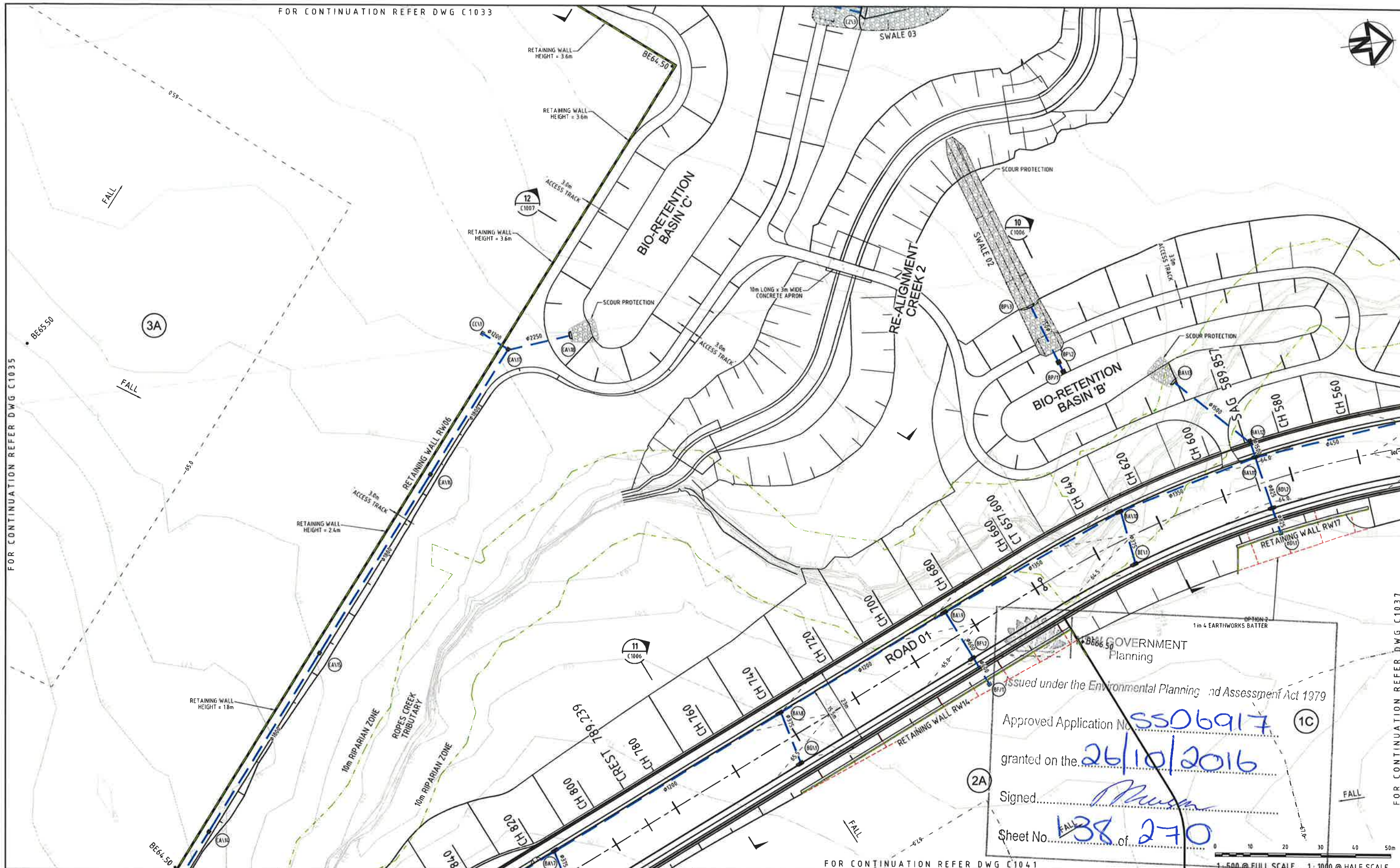
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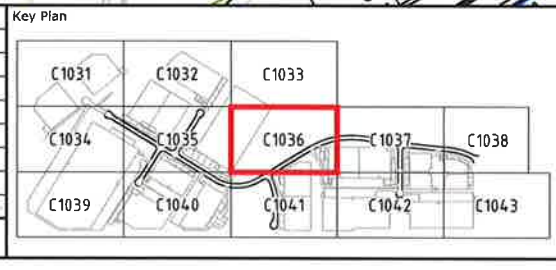
Status	FOR APPROVAL	A1
Drawing No.	C1034	Issue
Project No.	14-193	A



1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE 0 10 20 30 40 50m 08 HD 18 1000 09 HD 18 1000 07 HD 18 1000 06 HD 18 1000 05 HD 18 1000 04 HD 18 1000 03 HD 18 1000 02 HD 18 1000 01 HD 18 1000 00 HD 18 1000 09 HD 18 1000 08 HD 18 1000 07 HD 18 1000 06 HD 18 1000 05 HD 18 1000 04 HD 18 1000 03 HD 18 1000 02 HD 18 1000 01 HD 18 1000 00 HD 18 1000	Key Plan C1031 C1032 C1033 C1034 C1035 C1036 C1037 C1038 C1039 C1040 C1041 C1042 C1043	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client Goodman	Scales 1: 500 Grid MGA Height Datum AHD Drawn JB Designed JB Checked JP Approved	Project OAKDALE SOUTH EARTHWORKS AND STORMWATER PLAN SHEET 5	Civil Engineers and Project Managers at&l Suite 702, 154 Pacific Hwy St Leonards NSW 2066 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9480 8413 www.atl.net.au info@atl.net.au Status FOR APPROVAL Drawing No. C1035 Project No. 14-193 Issue A
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Scales	1 : 500
Grid	MGA
Height Datum	AHD

Drawn	JB
Designed	JB
Checked	JP
Approved	

Project: OAKDALE SOUTH

Title: EARTHWORKS AND STORMWATER PLAN SHEET 6

Civil Engineers and Project Managers

at&l

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St Leonards NSW 2065
ABN 86 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status: **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION

Drawing No. C1036 Project No. 14-193 Issue A

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. **SS06917**

granted on the **26/10/2016**

Signed: *[Signature]*

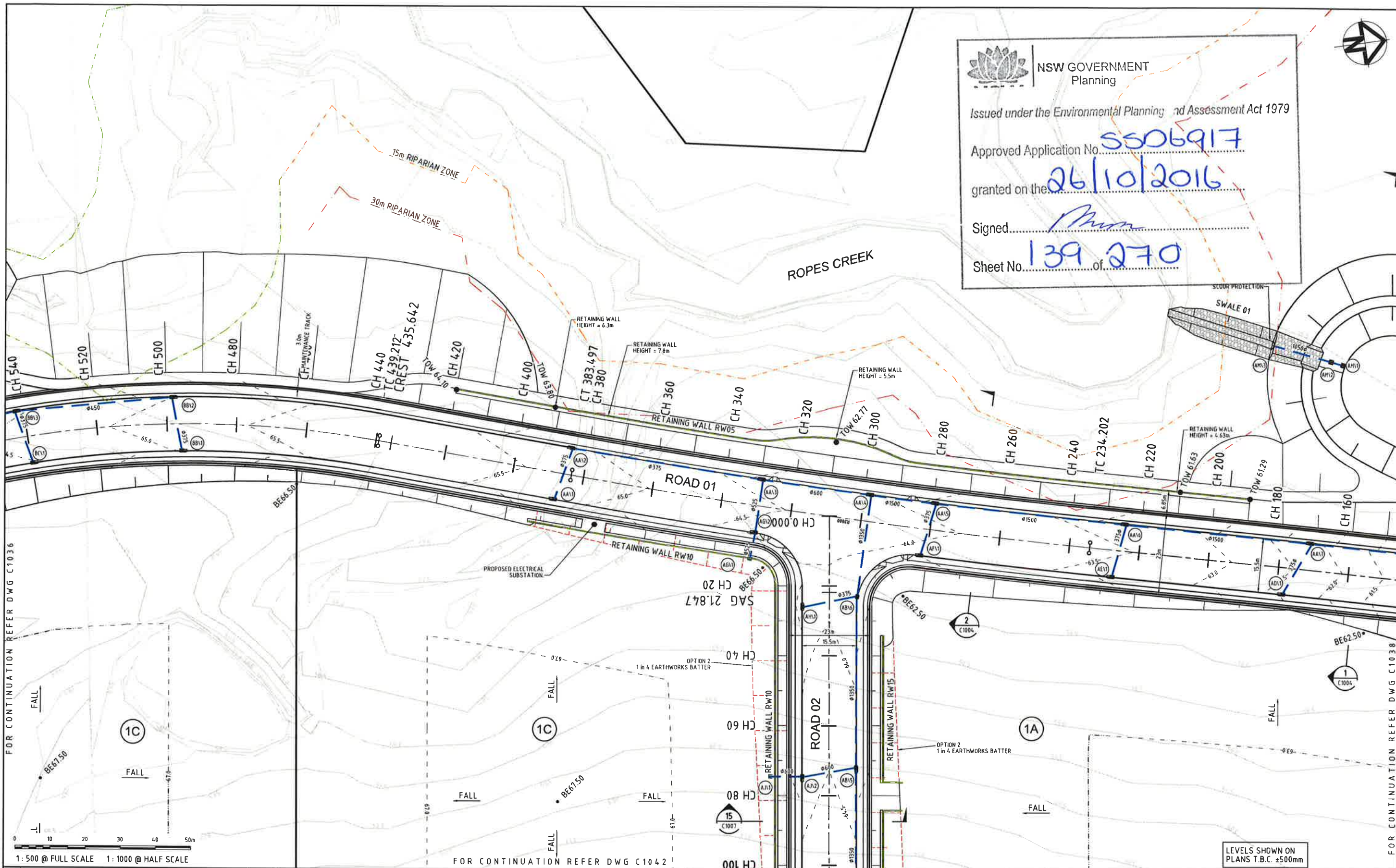
Sheet No. **138** of **270**

Scale: 1:500 @ FULL SCALE 1:1000 @ HALF SCALE

FOR CONTINUATION REFER DWG C1035

FOR CONTINUATION REFER DWG C1041

FOR CONTINUATION REFER DWG C1037





NSW GOVERNMENT
Planning

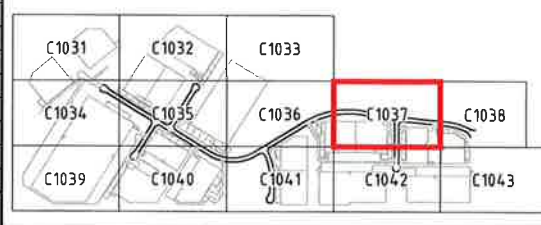
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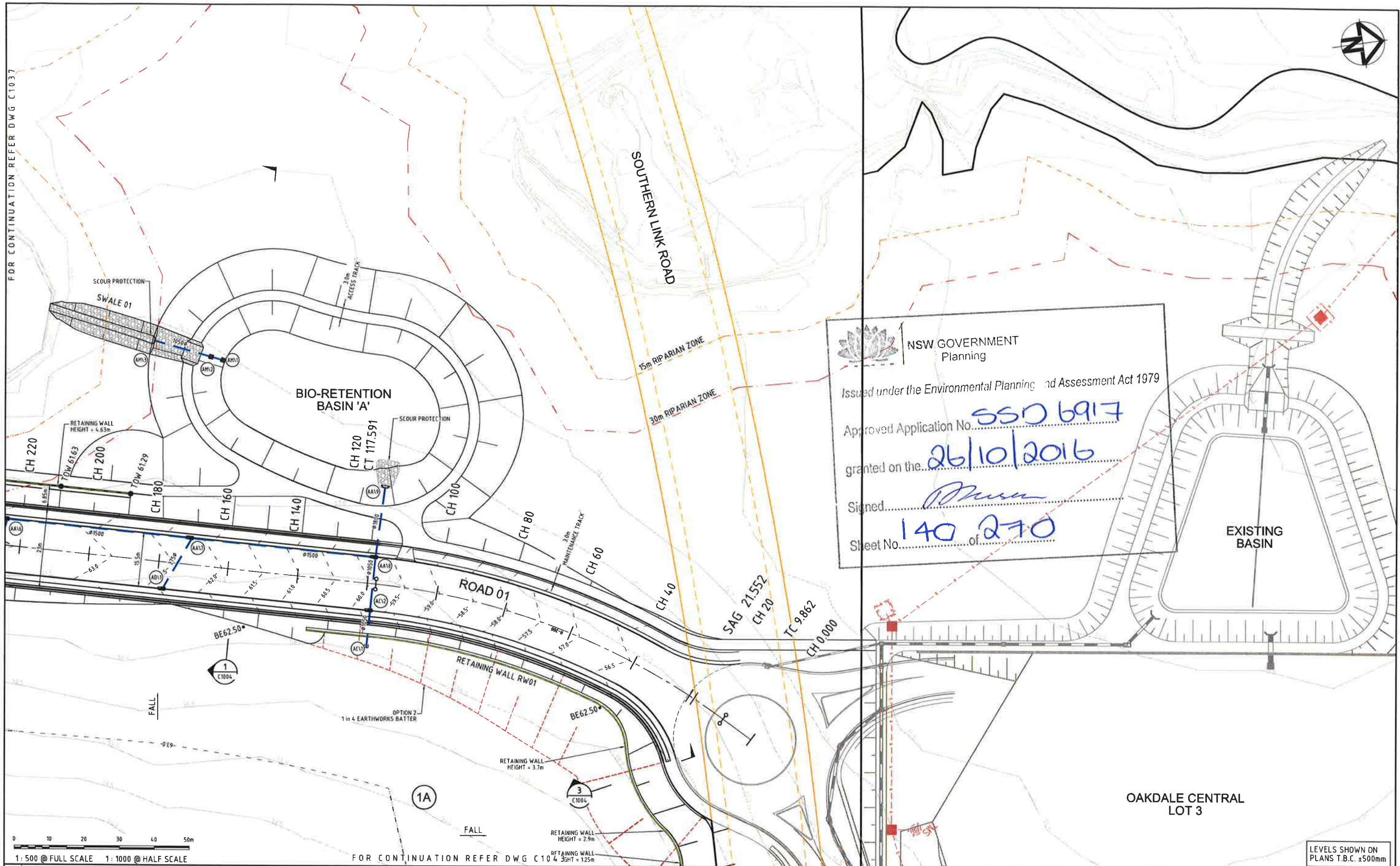
Approved Application No. **5506917**

granted on the **26/10/2016**

Signed *[Signature]*

Sheet No. **139** of **270**

FOR CONTINUATION REFER DWG C1036		FOR CONTINUATION REFER DWG C1042		FOR CONTINUATION REFER DWG C1038	
1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE		LEVELS SHOWN ON PLANS T.B.C. ±500mm			
Key Plan		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		Client	
				Scales 1 : 500	
A ISSUED FOR SSD APPLICATION 03-09-15				Drawn JB	
Issue Description Date				Designed JB	
				Checked JP	
				Approved	
				Project	
				OAKDALE SOUTH	
				Title	
				EARTHWORKS AND STORMWATER PLAN SHEET 7	
				Civil Engineers and Project Managers	
					
				Sulle 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9480 8413 www.atl.net.au info@atl.net.au	
				Status	
				FOR APPROVAL	
				NOT TO BE USED FOR CONSTRUCTION	
				Drawing No. C1037	
				Project No. 14-193	
				Issue A	

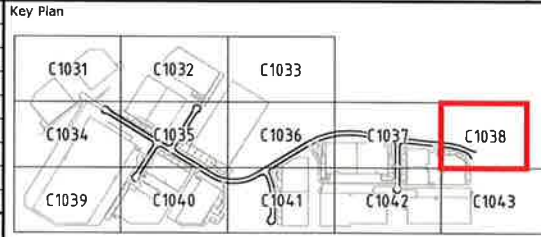


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Approved Application No. **550 6917**
granted on the **26/10/2016**
Signed *[Signature]*
Sheet No. **140** of **270**

0 10 20 30 40 50m
1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE

FOR CONTINUATION REFER DWG C1037

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Client

Goodman

Scale	1: 500
Grid	MGA
Height Datum	AHD

Drawn	JB
Designed	JB
Checked	JP
Approved	

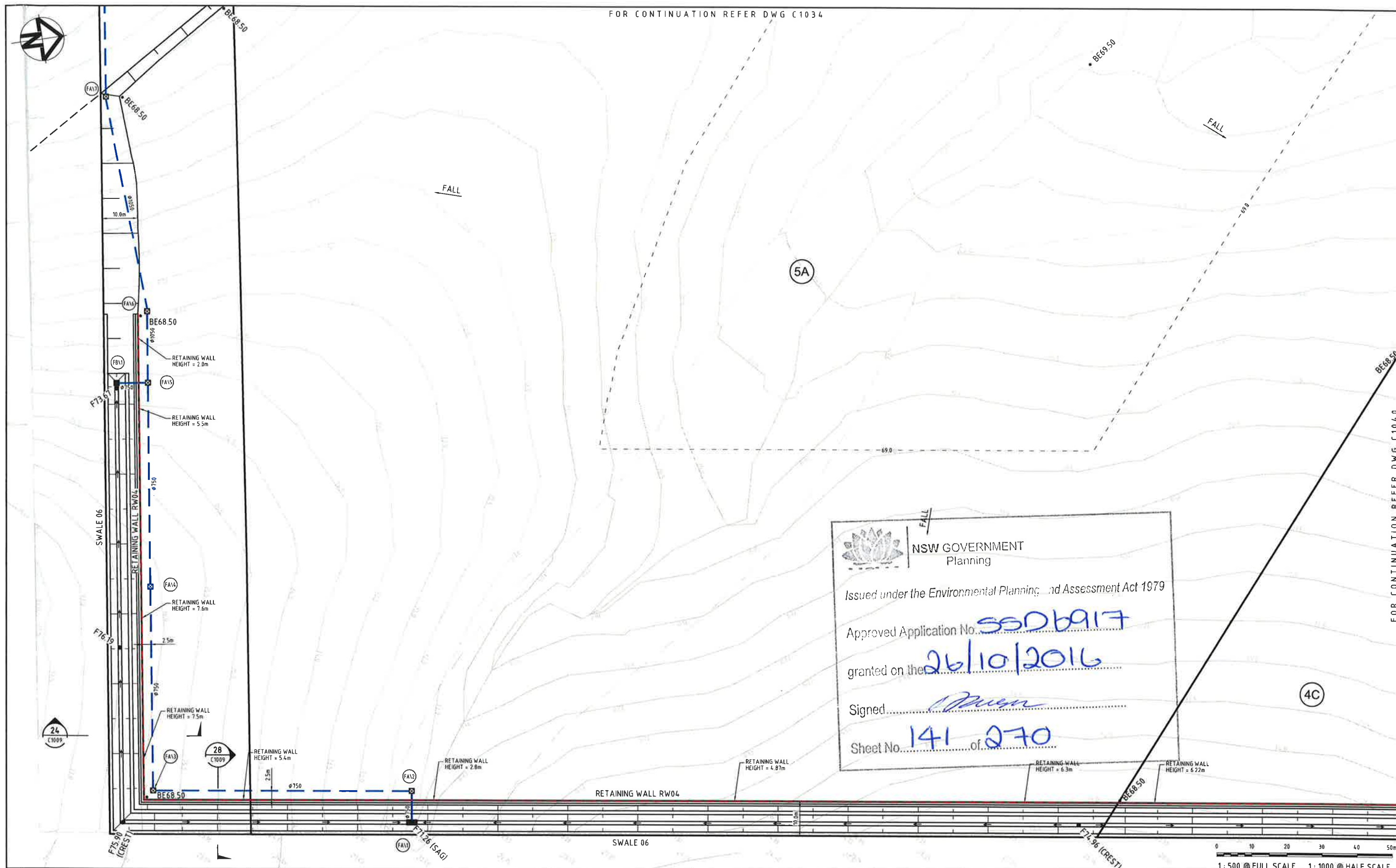
Project	OAKDALE SOUTH
Title	EARTHWORKS AND STORMWATER PLAN SHEET 8

Civil Engineers and Project Managers

at&l

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St Leonards NSW 2065
ABN 96 130 882 405
Tel: 02 9438 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL	A1
Drawing No.	C1038	Issue
Project No.	14-193	A



FOR CONTINUATION REFER DWG C1034

FOR CONTINUATION REFER DWG C1040

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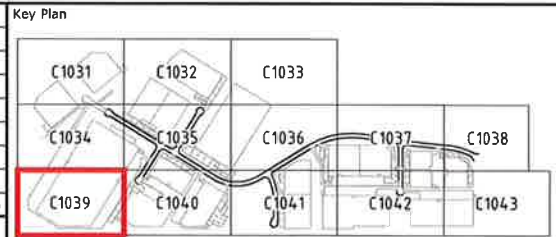
Approved Application No. 5506917

granted on the 26/10/2016

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Sheet No. 141 of 270

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales	1 : 500	Drawn	JB
		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project

OAKDALE SOUTH

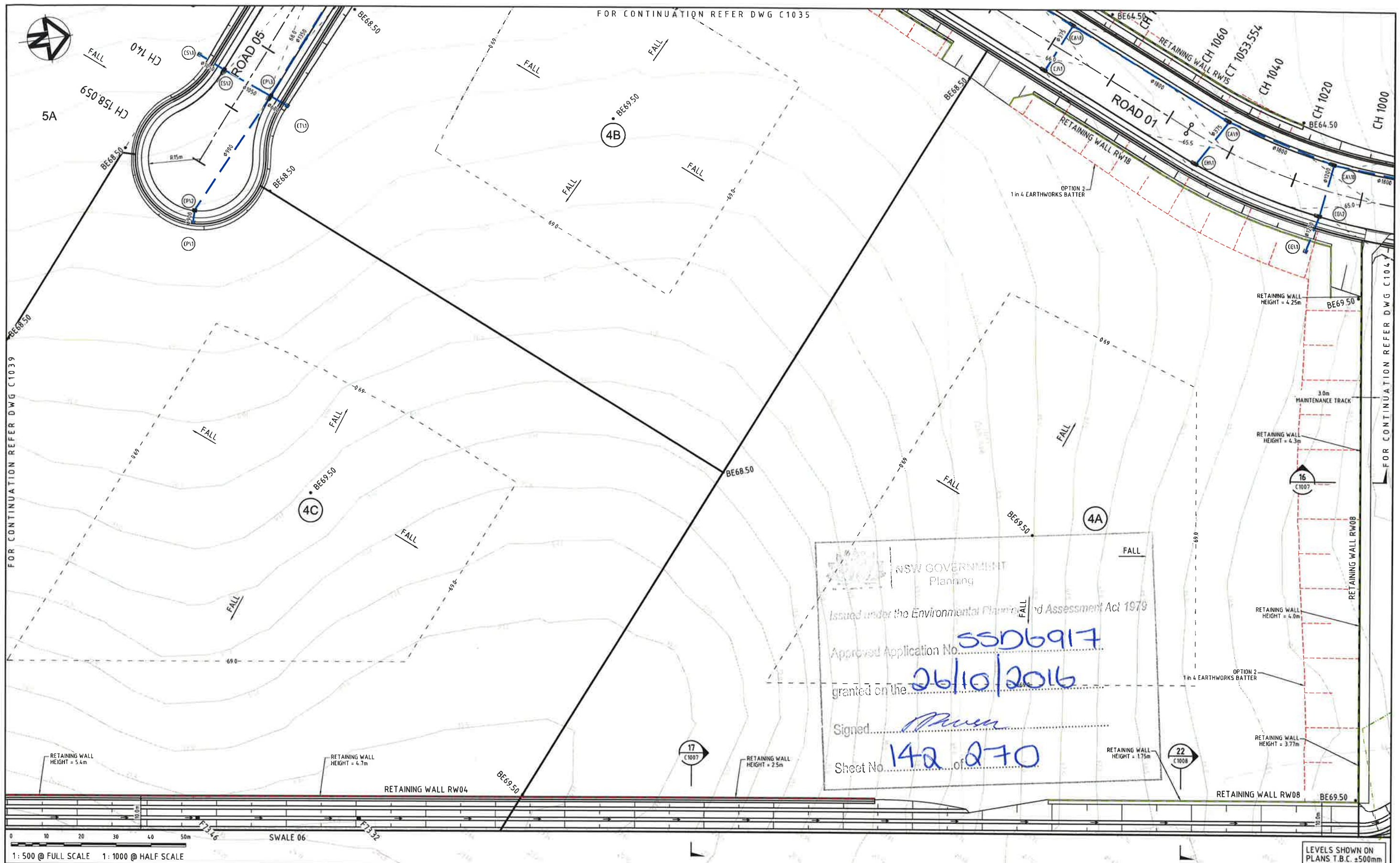
Title

EARTHWORKS AND STORMWATER PLAN SHEET 9

Civil Engineers and Project Managers

Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
ABN 66 130 882 405
Tel: 02 9439 1777
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www.atl.net.au
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Status	FOR APPROVAL	A1
Drawing No.	C1039	Issue
Project No.	14-193	A



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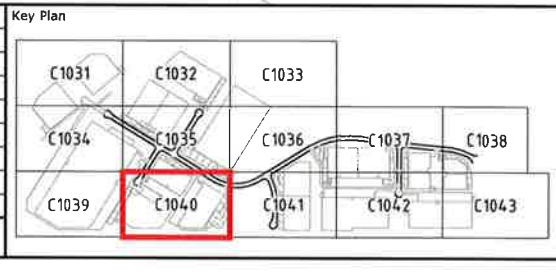
Approved Application No. SSD6917

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Sheet No. 142 of 270

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales	1 : 500	Drawn	JB
		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project

OAKDALE SOUTH

Title

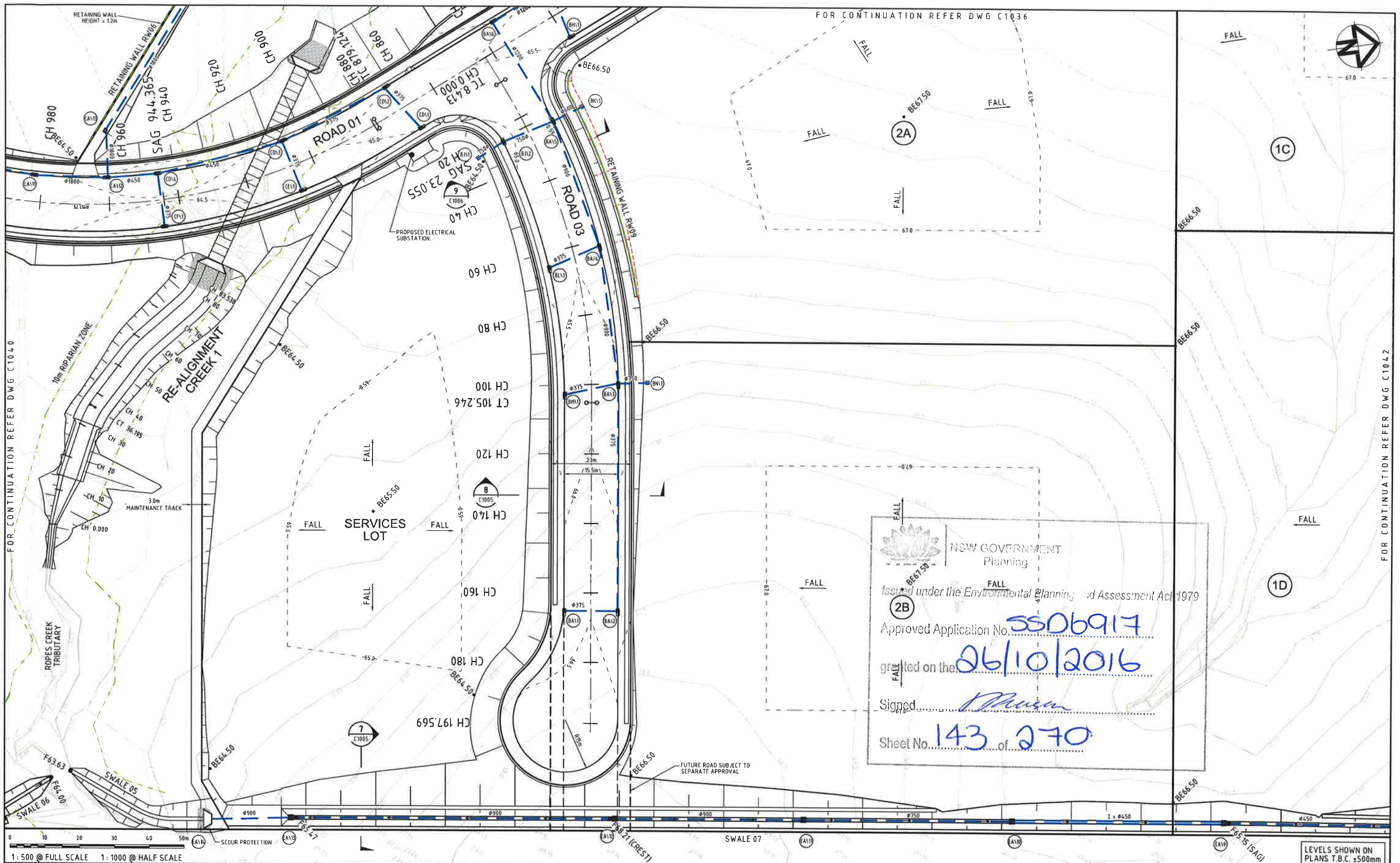
EARTHWORKS AND STORMWATER PLAN SHEET 10

Civil Engineers and Project Managers

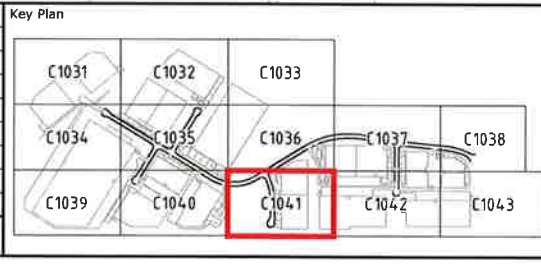
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ABN 96 130 882 405
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Status	FOR APPROVAL	A1
Drawing No.	C1040	Issue
Project No.	14-193	A



Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



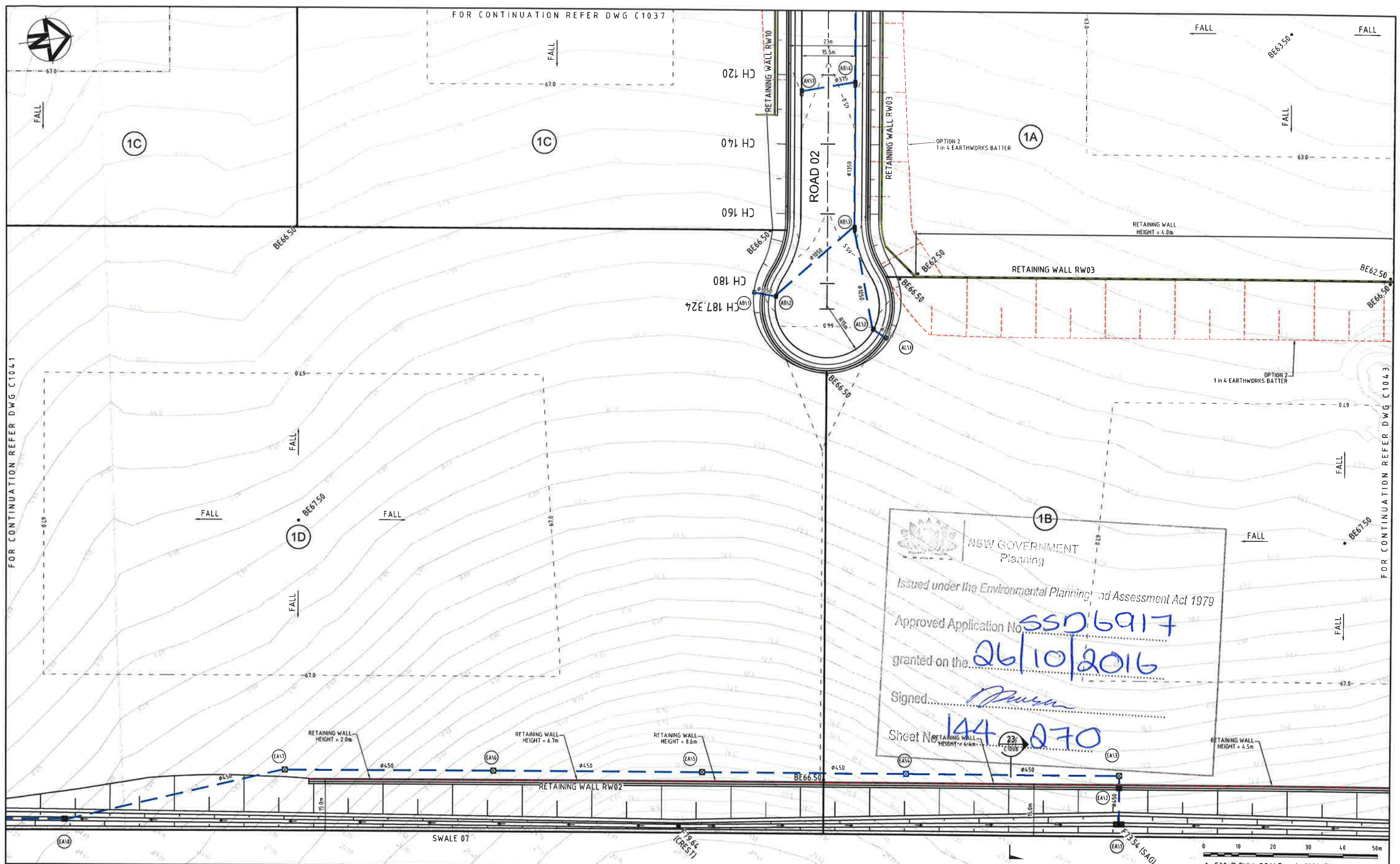
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



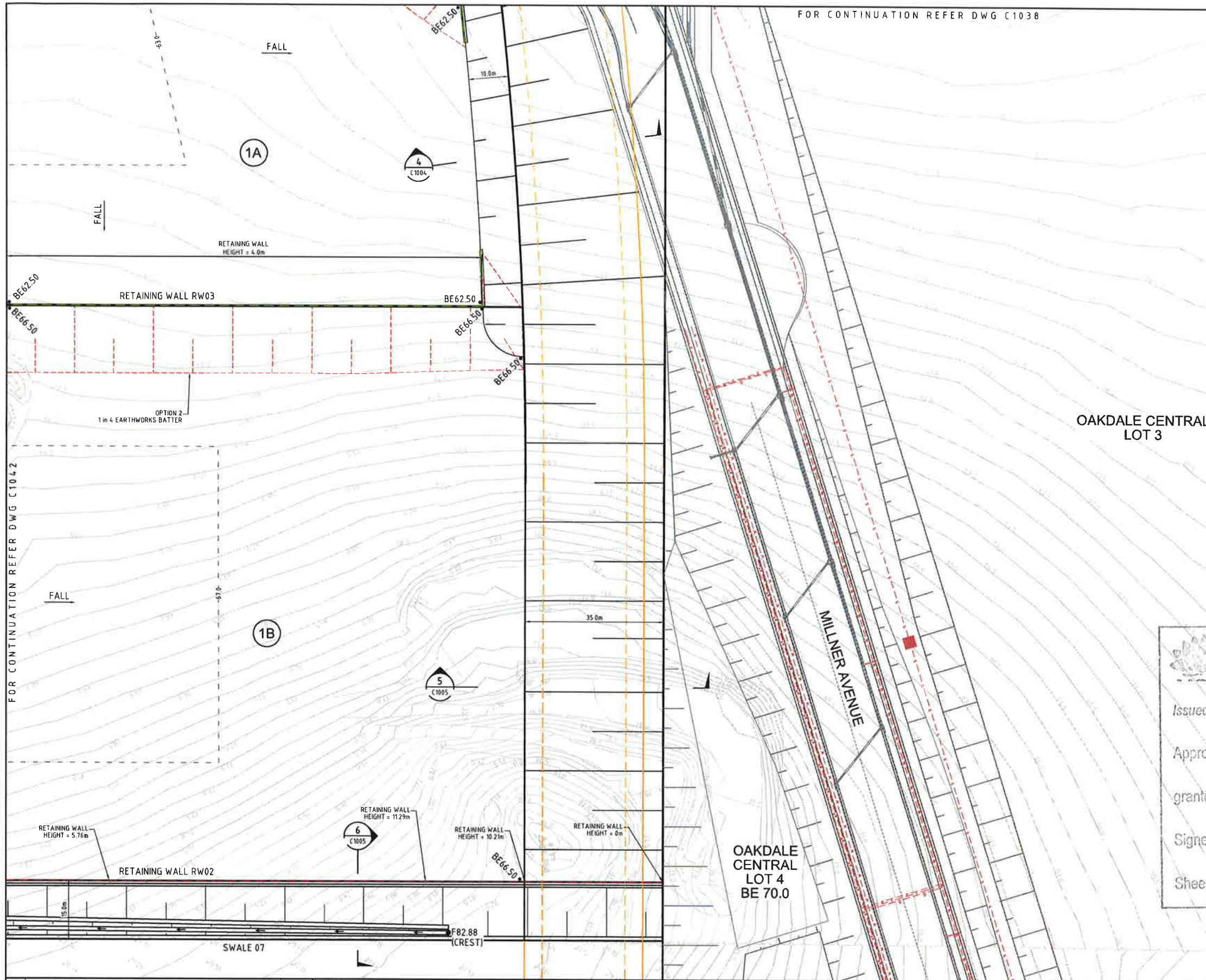
Scales	1:500	Drawn	JB
Grid	MGA	Designed	JB
Height Datum	AHD	Checked	JP
		Approved	

Project	OAKDALE SOUTH
Title	EARTHWORKS AND STORMWATER PLAN SHEET 11

Civil Engineers and Project Managers		
at&l engineering & construction solutions	Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9480 8413 www.atl.net.au info@atl.net.au	
	Status	
	FOR APPROVAL	
	NOT TO BE USED FOR CONSTRUCTION	
		A1
Drawing No.	Project No.	Issue
C1041	14-193	A

[illegible]

FOR CONTINUATION REFER DWG C1038



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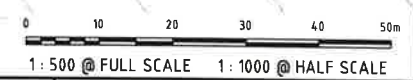
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Approved Application No. **SS06917**

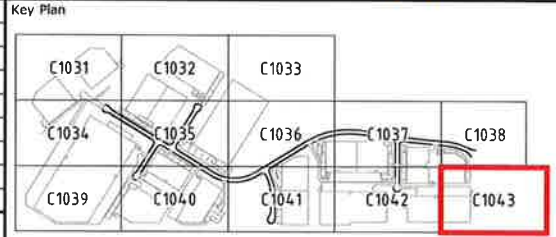
granted on the **26/10/2016**

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Sheet No. **145** of **070**



Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Client

Scales	1 : 500
Grid	MGA
Height Datum	AHD

Project

OAKDALE SOUTH

EARTHWORKS AND STORMWATER PLAN SHEET 13

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Info@atl.net.au

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Drawing No.	Project No.	Issue
C1043	14-193	A



25
C1009

26
C1009

BIO-RETENTION
BASIN 'D'

6A

6B

0 10 20 30 40 50m
1 : 500 @ FULL SCALE 1 : 1000 @ HALF SCALE

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Approved Application No. 5506917

granted on the 24/10/2016

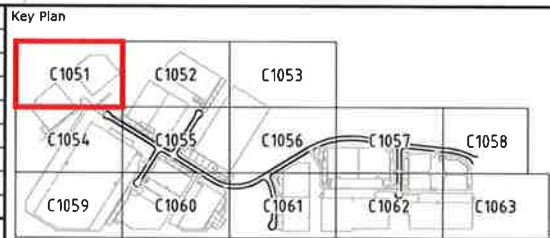
Signed [Signature]

Sheet No. 146 of 270

FOR CONTINUATION REFER DWG C1052

FOR CONTINUATION REFER DWG C1054

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales	1 : 500	Drawn	JB
		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project

OAKDALE SOUTH

Title

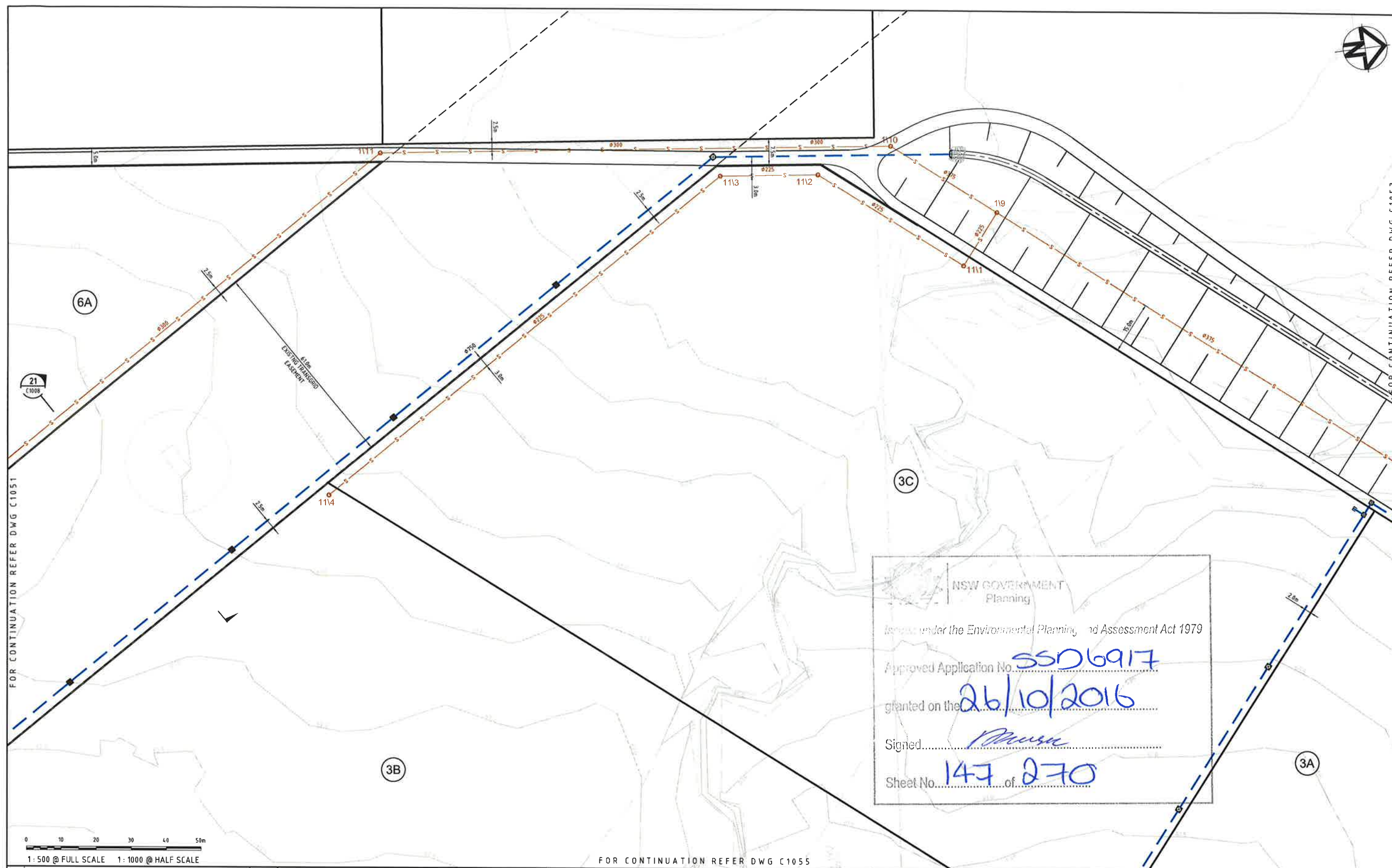
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 1

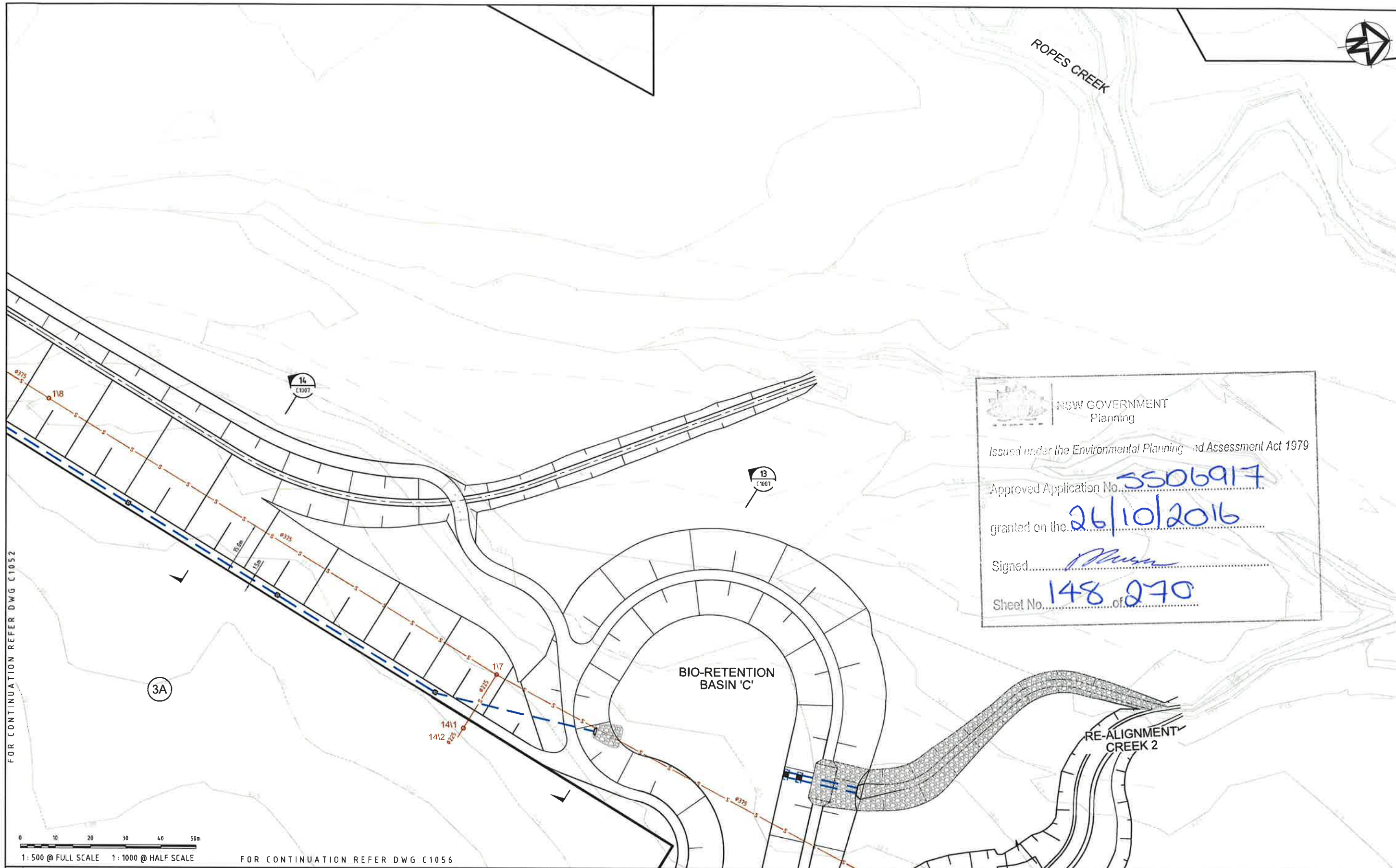
Civil Engineers and Project Managers

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info@atl.net.au

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	C1051	Issue
Project No.	14-193	A

[illegible]



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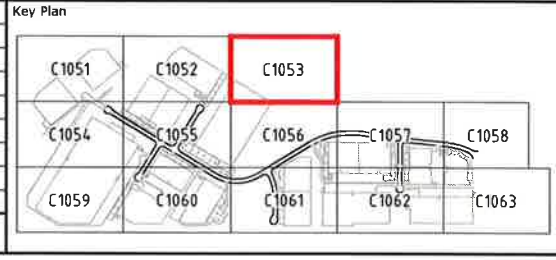
Approved Application No. SS06917

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Sheet No. 148 of 270

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales	1 : 500	Drawn	JB
		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 3

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ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
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Status	FOR APPROVAL	A1
Drawing No.	C1053	Issue
Project No.	14-193	A

FOR CONTINUATION REFER DWG C1051



6B



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Sheet No. 149 of 270

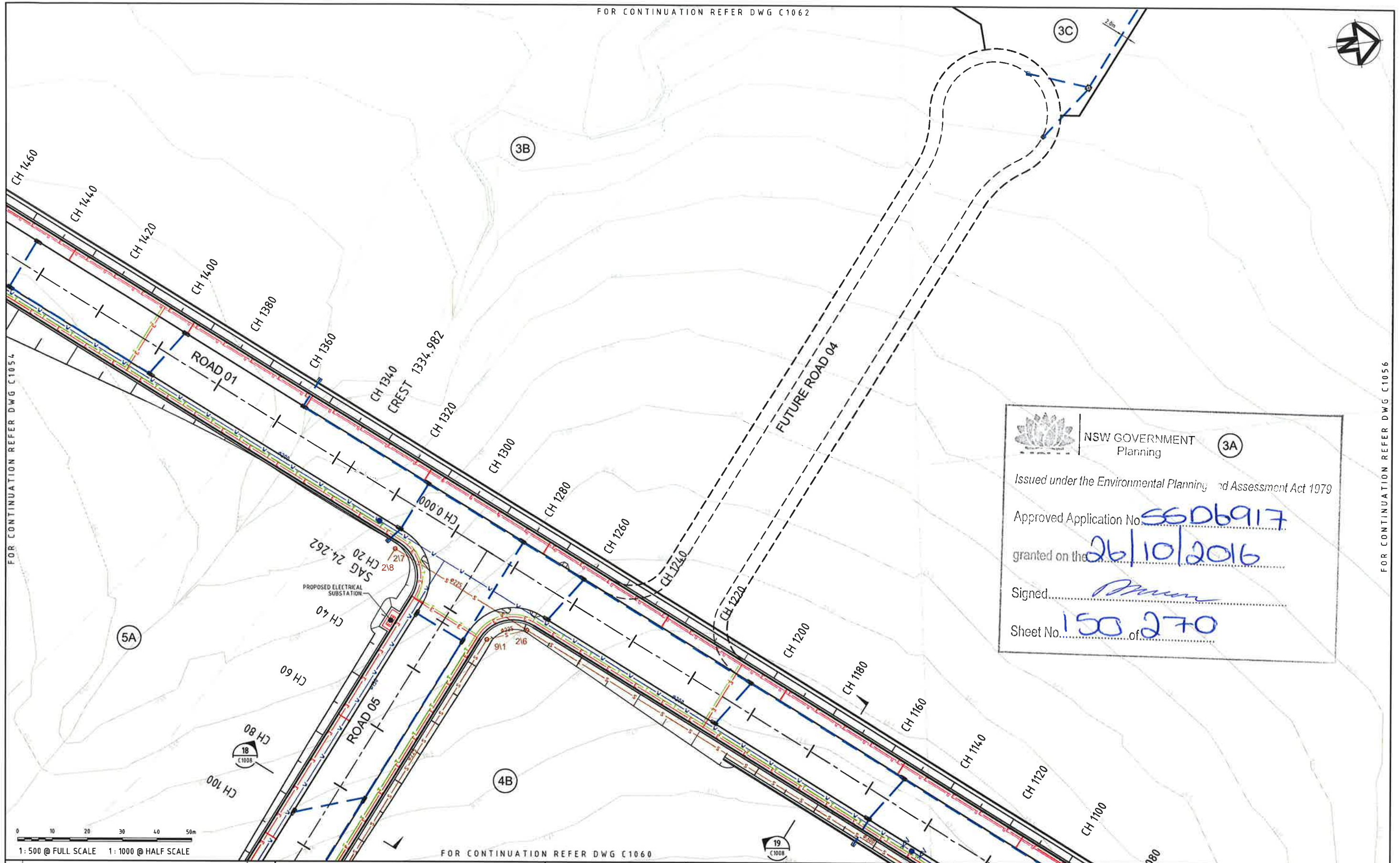
5A

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1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE

FOR CONTINUATION REFER DWG C1059

		Key Plan		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client 	Scales 1 : 500		Drawn JB	Project OAKDALE SOUTH	Civil Engineers and Project Managers			
						Grid MGA	Designed JB						
						Height Datum AHD	Checked JP	Sulle 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					
A ISSUED FOR SSD APPLICATION		03-09-15	Date				Approved		Title SERVICES AND UTILITIES COORDINATION PLAN SHEET 4		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1
Issue Description		Date								Drawing No. C1054		Project No. 14-193	Issue A

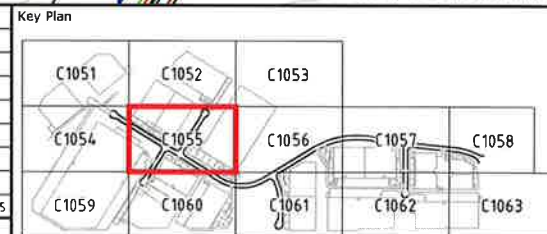
FOR CONTINUATION REFER DWG C1062



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FOR CONTINUATION REFER DWG C1060

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales 1: 500

Drawn	JB
Designed	JB
Checked	JP
Approved	

Grid MGA

Height Datum AHD

Project

OAKDALE SOUTH

Title

SERVICES AND UTILITIES COORDINATION PLAN
SHEET 5

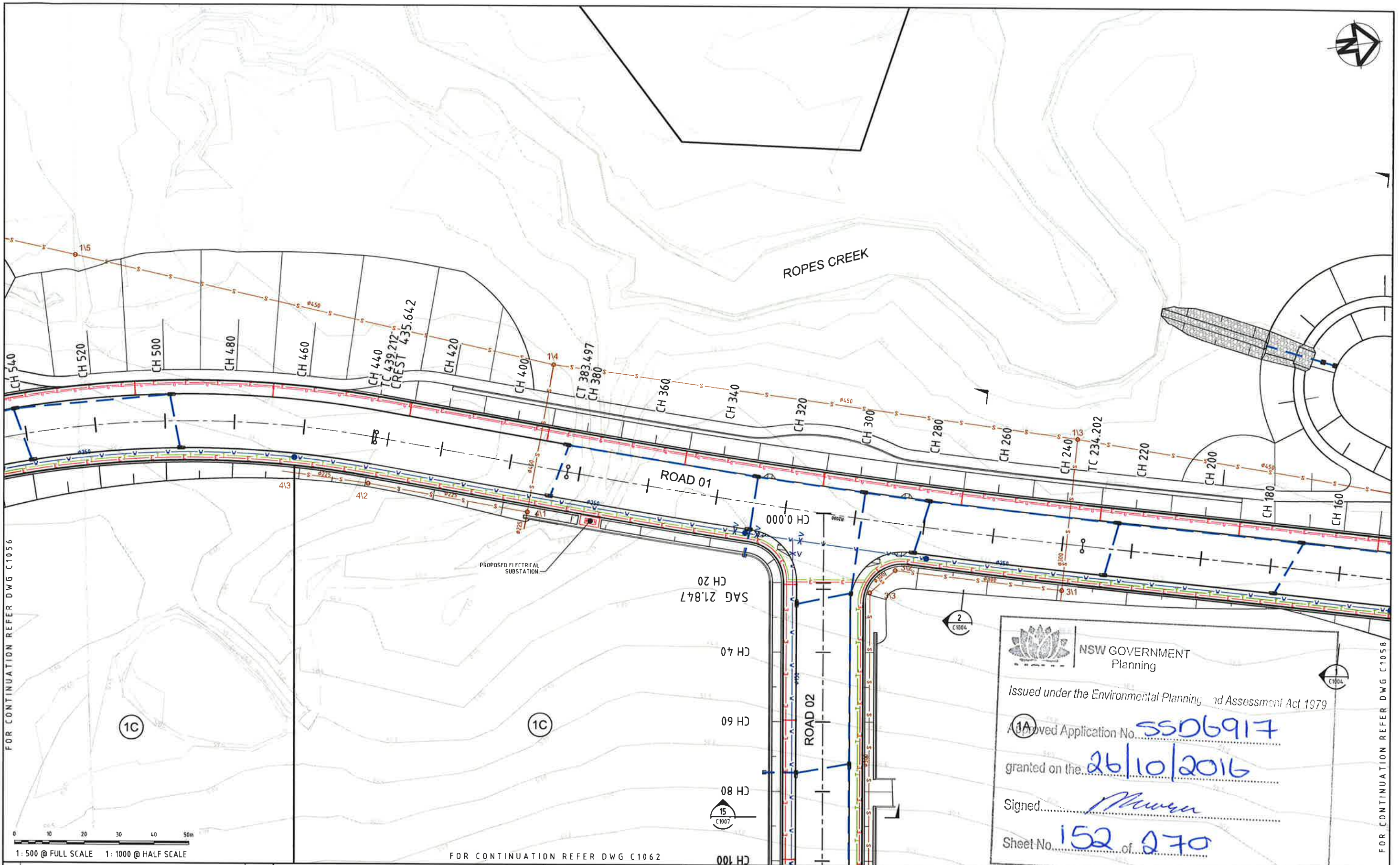
Civil Engineers and Project Managers

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www.atl.net.au
info@atl.net.au

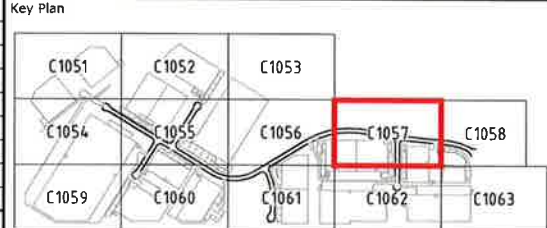
Status **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION

Drawing No. C1055	Project No. 14-193	Issue A
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F:\14-193 Oakdale South\Draws\Civil\Final\1000_Infrastructure\C1055.dwg



Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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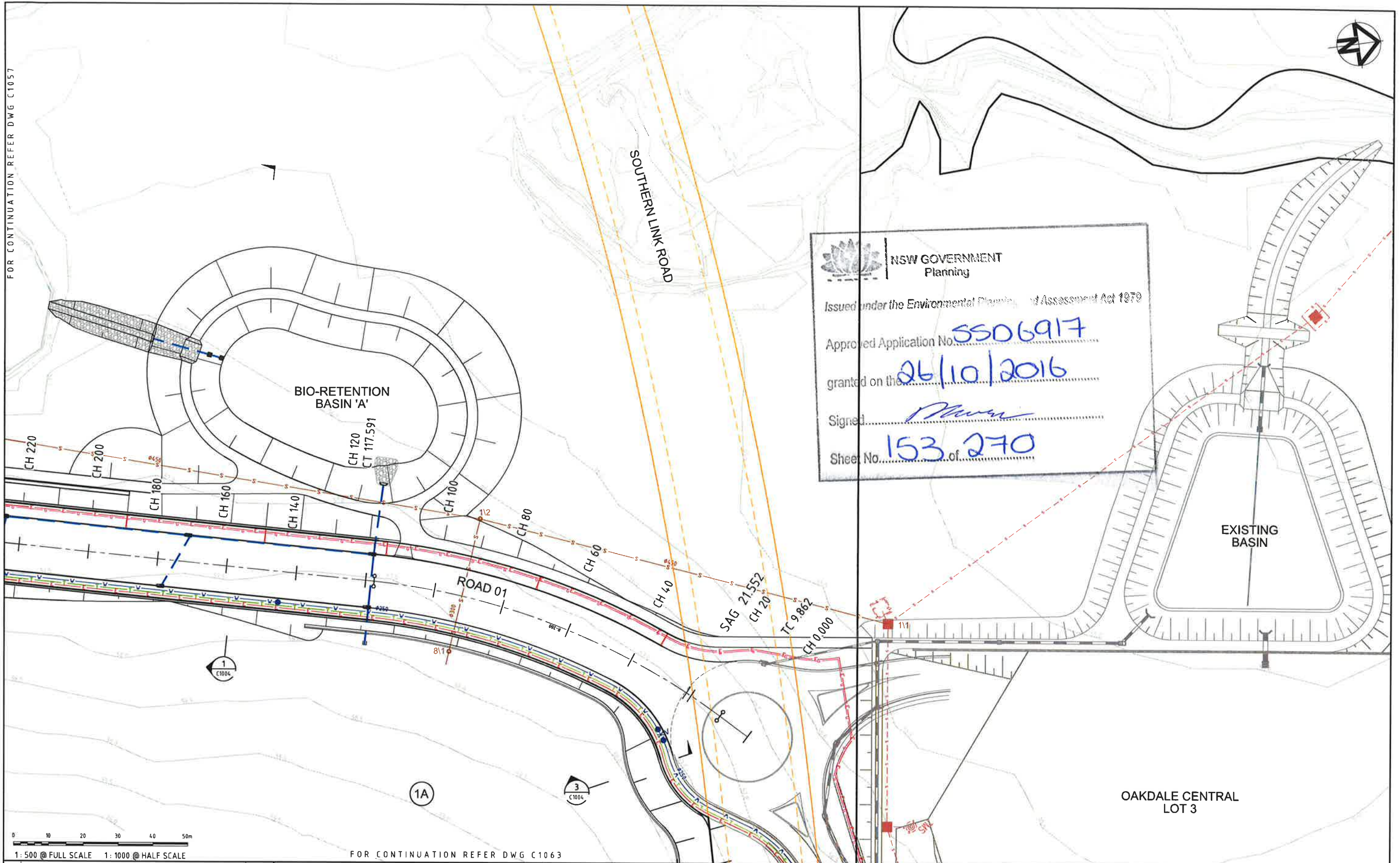


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Grid	MGA
Height Datum	AHD
Drawn	JB
Designed	JB
Checked	JP
Approved	

Project	OAKDALE SOUTH
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 7

Civil Engineers and Project Managers		Suite 702, 164 Pacific Hwy St Leonards NSW 2065 ABN 66 130 882 405 Tel: 02 9439 1777 Fax: 02 9460 8413 www.atl.net.au Info@atl.net.au	
at&l REGISTERED PROFESSIONAL ENGINEERS			
Status		A1	
FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION			
Drawing No.	Project No.	Issue	
C1057	14-193	A	

FOR CONTINUATION REFER DWG C1057



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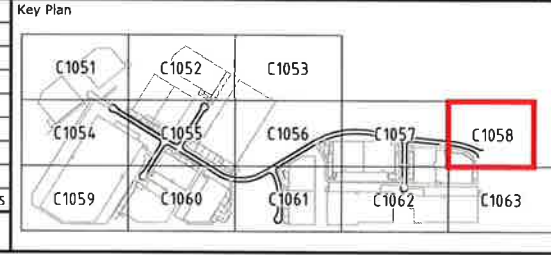
Approved Application No. **SS06917**

granted on the **26/10/2016**

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Sheet No. **153** of **270**

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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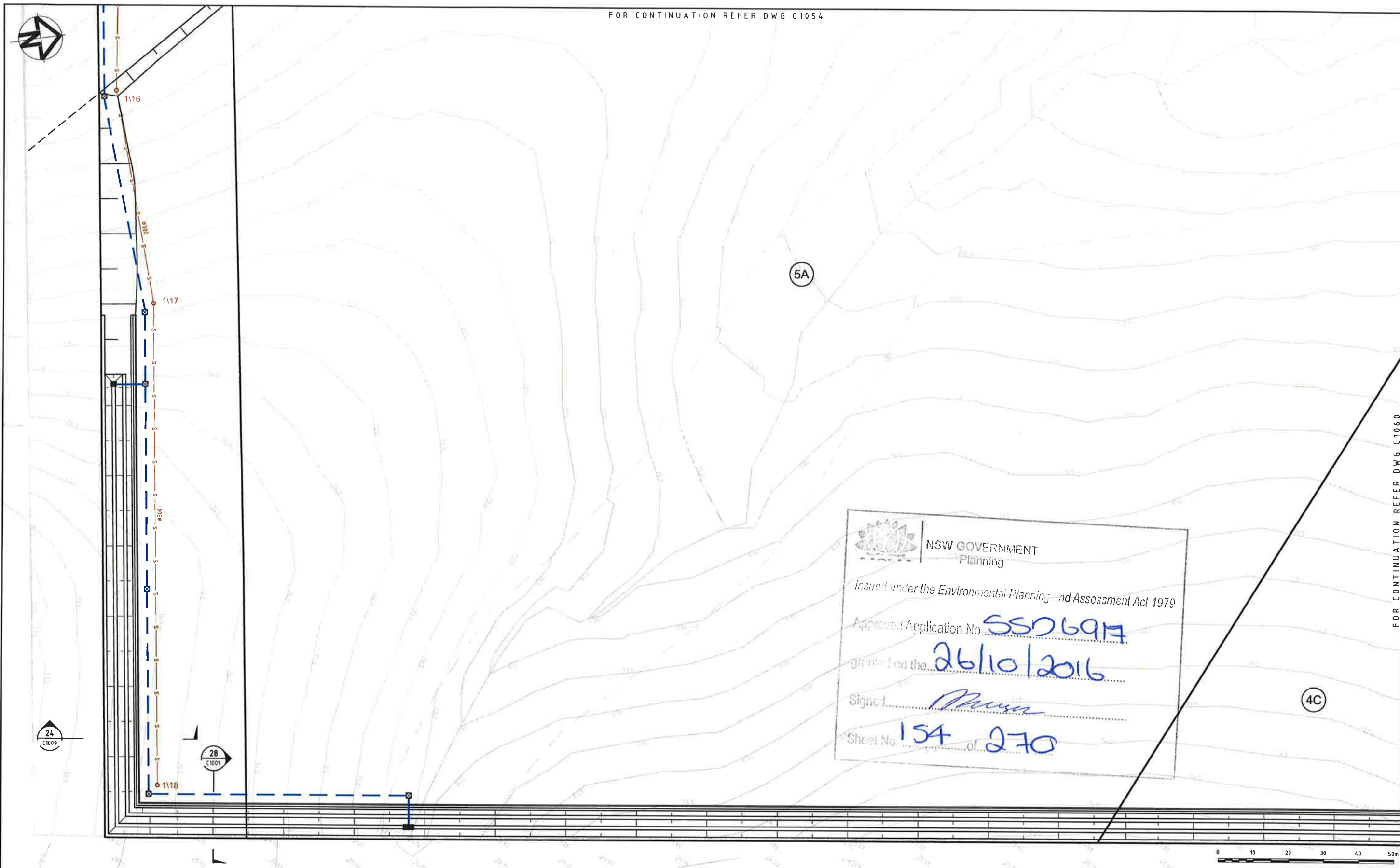
Scales	1 : 500
Grid	MGA
Height Datum	AHD

Drawn	JB
Designed	JB
Checked	JP
Approved	

Project	OAKDALE SOUTH
Title	SERVICES AND UTILITIES COORDINATION PLAN SHEET 8

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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	C1058	Issue
Project No.	14-193	A

FOR CONTINUATION REFER DWG C1054



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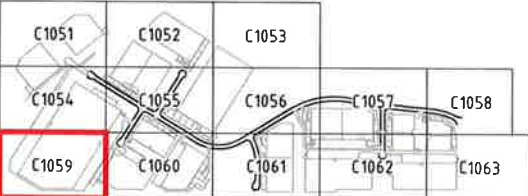
Issued under the Environmental Planning and Assessment Act 1979

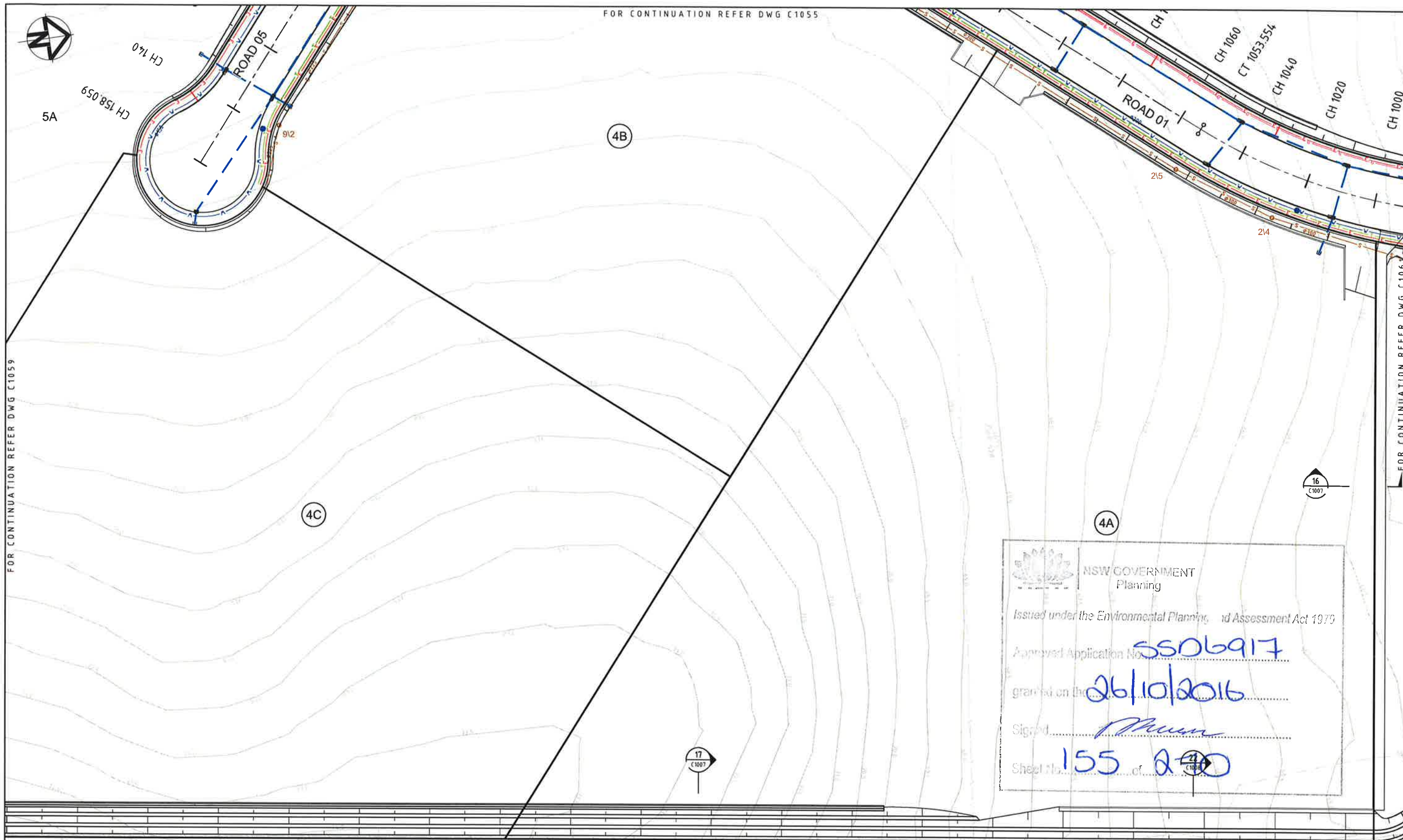
Approved Application No. SSD6917

granted on the 26/10/2016

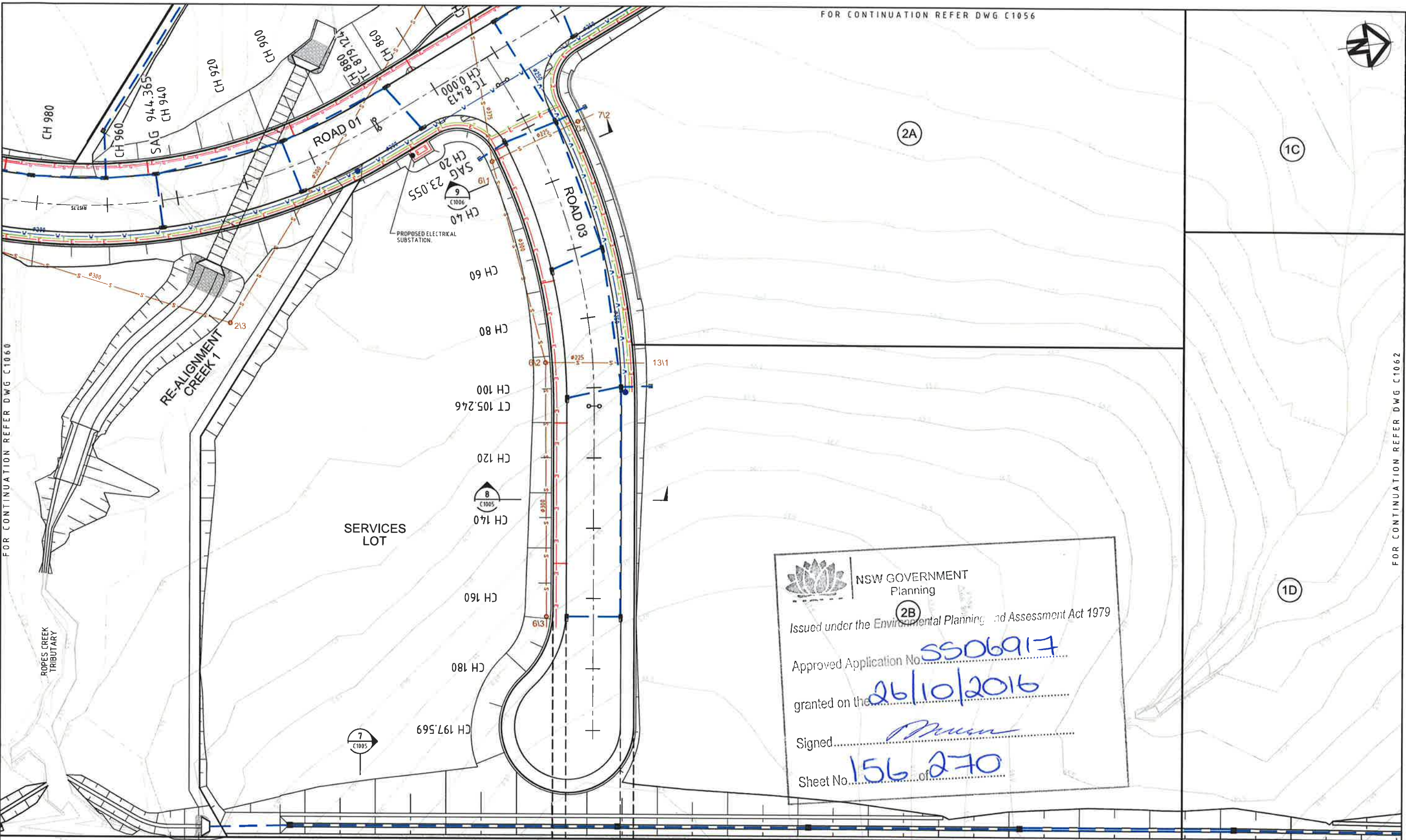
Signed [Signature]

Sheet No 154 of 270

Key Plan		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client 	Scales 1 : 500	Drawn JB	Project OAKDALE SOUTH	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
				Grid MGA	Designed JB		
A ISSUED FOR SSD APPLICATION 03-09-15		Height Datum AHD	Checked JP	Approved	Drawing No. C1059	Project No. 14-193	Issue A



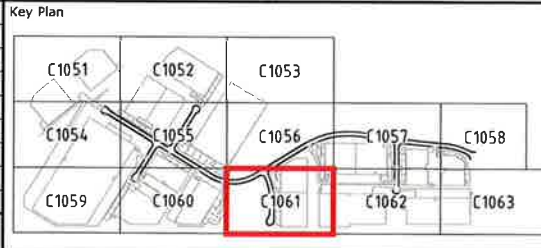
0 10 20 30 40 50m 1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE		Key Plan		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		Client		Scales 1 : 500 Grid MGA Height Datum AHD		Drawn JB Designed JB Checked JP Approved		Project OAKDALE SOUTH		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 9480 8413 www.atl.net.au info@atl.net.au			
A ISSUED FOR SSD APPLICATION 03-09-15												Title SERVICES AND UTILITIES COORDINATION PLAN SHEET 10		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1	
Issue Description Date												Drawing No. C1060		Project No. 14-193		Issue A	



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Sheet No. 156 of 270

1: 500 @ FULL SCALE 1: 1000 @ HALF SCALE

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Scales	1: 500	Drawn	JB
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Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

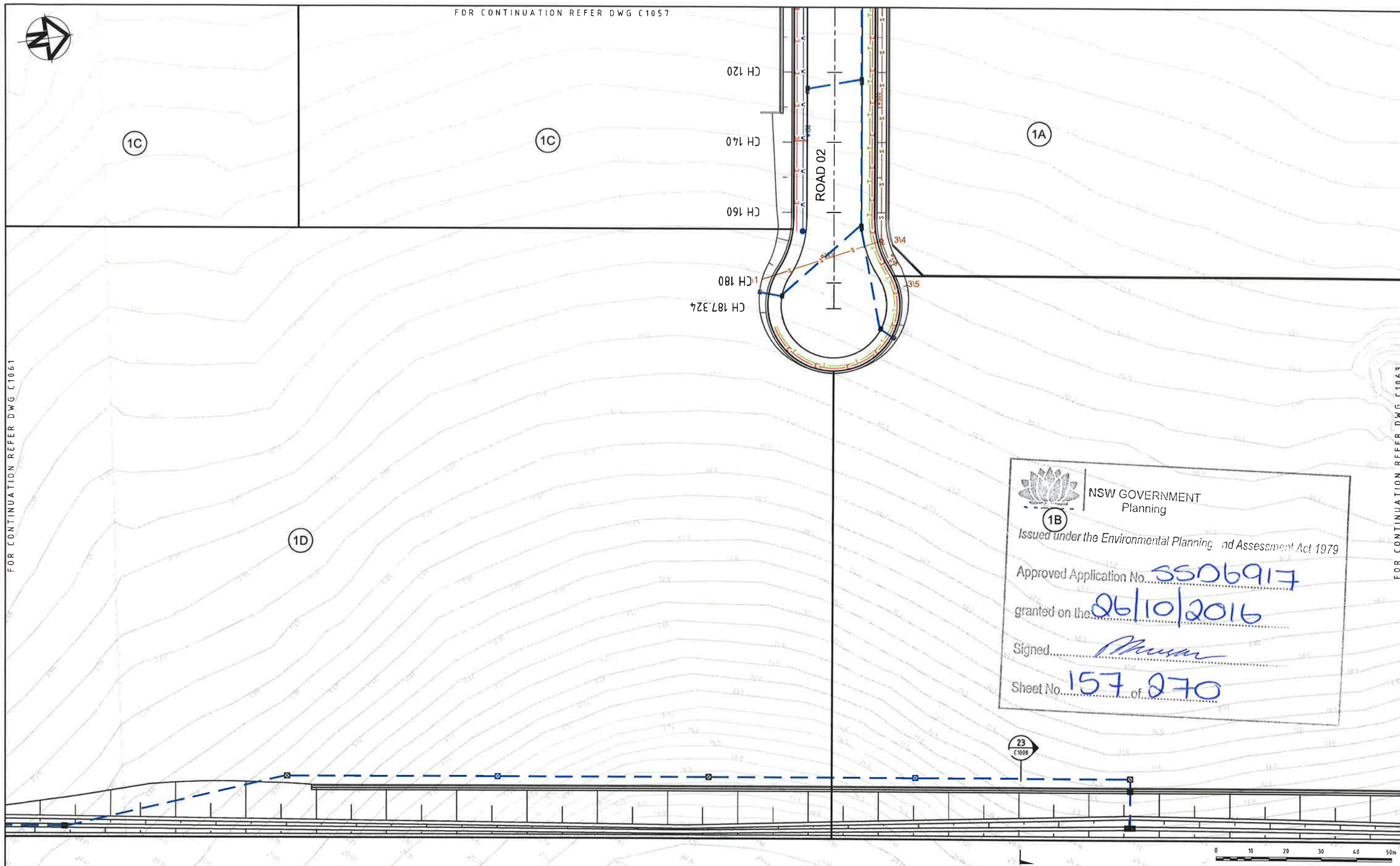
Project
OAKDALE SOUTH
Title
SERVICES AND UTILITIES COORDINATION PLAN SHEET 11

Civil Engineers and Project Managers

at&l

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St Leonards NSW 2065
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Fax: 02 9460 8413
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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	C1061	Issue
Project No.	14-193	A



FOR CONTINUATION REFER DWG C1061

FOR CONTINUATION REFER DWG C1063



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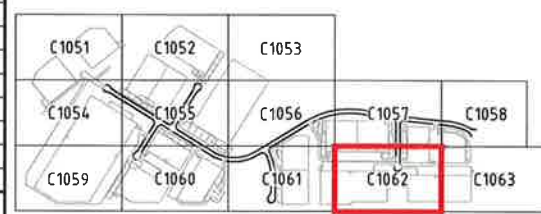
Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. 5506917

granted on the 26/10/2016

Signed Musa

Sheet No. 157 of 270

<table><tr><td>Issue</td><td>Description</td><td>Date</td></tr><tr><td>A</td><td>ISSUED FOR SSD APPLICATION</td><td>03-09-15</td></tr></table>	Issue	Description	Date	A	ISSUED FOR SSD APPLICATION	03-09-15	Key Plan 	THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L	Client 	<table><tr><td>Scales</td><td>1 : 500</td><td>Drawn</td><td>JB</td><td rowspan="3">Project</td></tr><tr><td></td><td></td><td>Designed</td><td>JB</td></tr><tr><td></td><td></td><td>Checked</td><td>JP</td></tr><tr><td>Grid</td><td>MGA</td><td>Approved</td><td></td><td></td></tr><tr><td>Height Datum</td><td>AHD</td><td></td><td></td><td></td></tr></table>	Scales	1 : 500	Drawn	JB	Project			Designed	JB			Checked	JP	Grid	MGA	Approved			Height Datum	AHD				OAKDALE SOUTH	at&l Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9480 8413 www.atl.net.au info@atl.net.au	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
	Issue	Description	Date																																		
A	ISSUED FOR SSD APPLICATION	03-09-15																																			
Scales	1 : 500	Drawn	JB	Project																																	
		Designed	JB																																		
		Checked	JP																																		
Grid	MGA	Approved																																			
Height Datum	AHD																																				
					Services and Utilities Coordination Plan SHEET 12	Drawing No. C1062	Project No. 14-193	Issue A																													

FOR CONTINUATION REFER DWG C1058



NSW GOVERNMENT
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Approved Application No. 3506917

granted on the 26/10/2016

Signed.....[Signature]

Sheet No. 158 of 270

OAKDALE CENTRAL
LOT 3

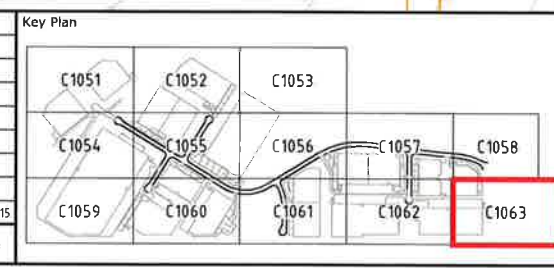
MILLNER AVENUE

OAKDALE CENTRAL
LOT 4
BE 70.0

0 10 20 30 40 50m
1 : 500 @ FULL SCALE 1 : 1000 @ HALF SCALE

FOR CONTINUATION REFER DWG C1062

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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Client



Scales 1 : 500

Grid MGA

Height Datum AHD

Drawn JB

Designed JB

Checked JP

Approved

Project

OAKDALE SOUTH

Title

SERVICES AND
UTILITIES COORDINATION
PLAN
SHEET 13

Civil Engineers and Project Managers

at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
Tel: 02 9439 1777
Fax: 02 9480 8413
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	C1063	Issue
Project No.	14-193	A

F:\14-193 Oakdale South\Draws\Civil\Final\1000_Infrastructure\C1063.dwg

LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

NOTES:

- FOR EROSION AND SEDIMENTATION CONTROL DETAILS REFER DWG C1084
- FOR EROSION AND SEDIMENTATION CONTROL NOTES REFER DWG C1002
- ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER, SOIL AND CONSTRUCTION VOLUME 1 (2004) BY LANDCOM
- WHERE PRACTICAL ALL BATTERS ARE TO BE TEMPORARILY STABILISED UNTIL COMPLETE WITH JUTE MESH. FINAL LANDSCAPE TO BE SCHEDULED WITHIN 6 WEEKS OF BATTERS BEING FORMED

SEDIMENT & EROSION BASIN CALCULATION

VOLUME =
SETTLING ZONE AND SEDIMENT STORAGE ZONE
TYPE D SOIL
SETTLING ZONE = $10 \times C_v \times A \times R$ (80%ile, 5 day)
 $C_v = 0.56$
 $A = 69.96 \text{ Ha}$ (TOTAL DEVELOPABLE AREA)
 $R = 25.88 \text{ mm}$
 $= 10 \times 0.56 \times 69.96 \times 25.88$
 $= 10,140 \text{ m}^3$
SEDIMENT ZONE = $0.5 \times \text{SETTLING ZONE}$
 $= 0.5 \times 10,140$
 $= 5,070 \text{ m}^3$
TOTAL VOLUME
REQUIRED = $15,210 \text{ m}^3$

0 10 20 30 40 50m
1:500 @ FULL SCALE 1:1000 @ HALF SCALE

BIO-RETENTION BASIN 'D'

SEDIMENT BASIN 6B
CATCHMENT AREA = 3.542Ha
BASIN SURFACE AREA = 770m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 513m³
SEDIMENT STORAGE VOLUME = 257m³
TOTAL BASIN VOLUME = 770m³

SEDIMENT BASIN 6A
CATCHMENT AREA = 3.156Ha
BASIN SURFACE AREA = 686m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 457m³
SEDIMENT STORAGE VOLUME = 229m³
TOTAL BASIN VOLUME = 686m³

HAYBALE AND GEOTEXTILE SEDIMENT FILTER AT 30m SPACING (TYP.)

HAYBALE AND GEOTEXTILE SEDIMENT FILTER AT 30m SPACING (TYP.)

PROVIDE CATCH DRAIN (TYP.)

PROVIDE GEOTEXTILE FILTER PIT SURROUND (TYP.)



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Approved Application No. **SSD06917**

granted on the **26/10/2016**

Signed **[Signature]**

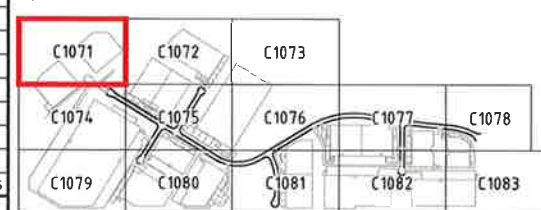
Sheet No. **159** of **270**

6B

FOR CONTINUATION REFER DWG C1074

FOR CONTINUATION REFER DWG C1072

Key Plan



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Scales 1:500

Grid MGA

Height Datum AHD

Drawn JB

Designed JB

Checked JP

Approved

Project

OAKDALE SOUTH

Title

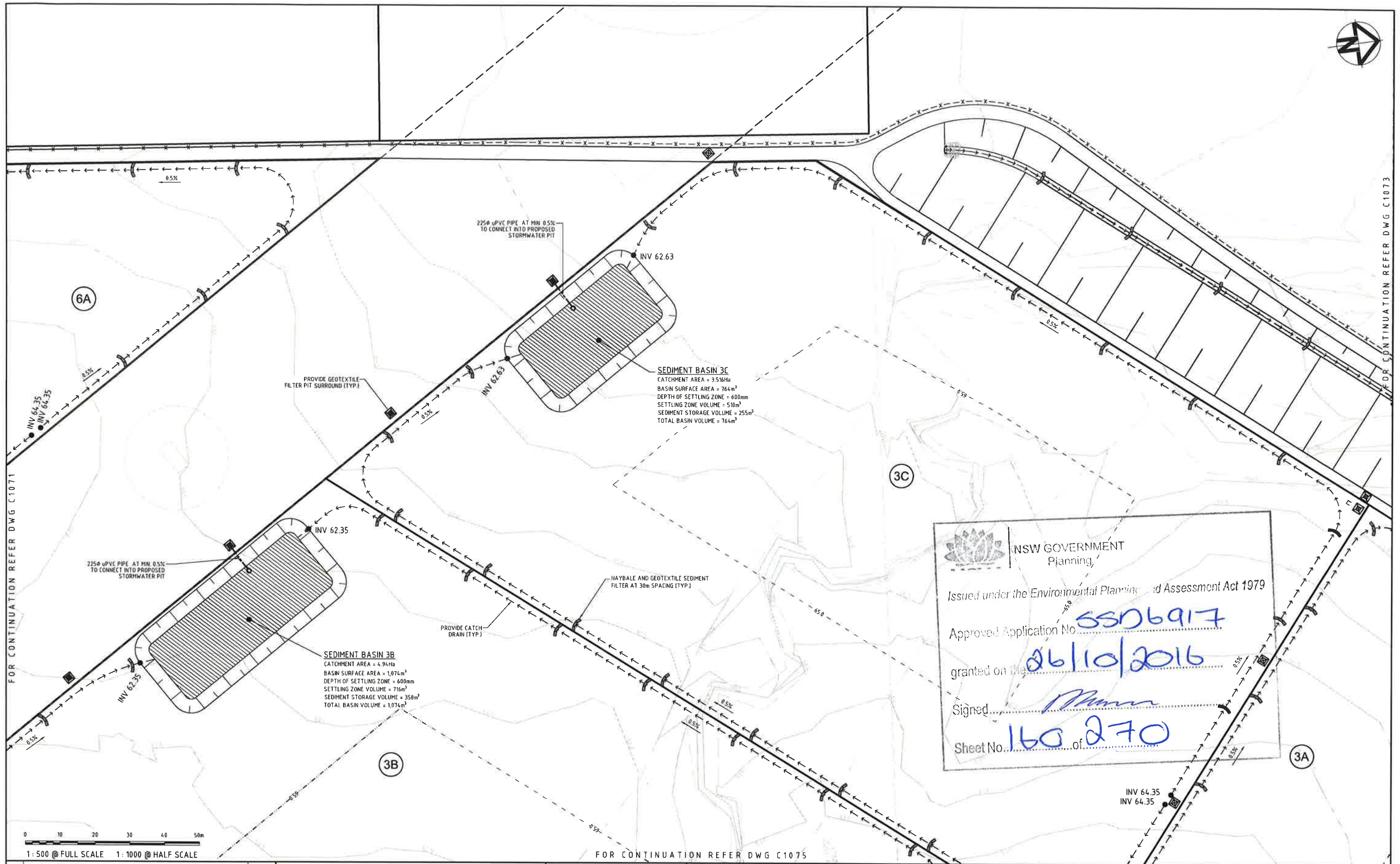
EROSION AND SEDIMENT CONTROL PLAN SHEET 1

Civil Engineers and Project Managers

at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2066
ABN 96 130 692 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status **FOR APPROVAL**
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Drawing No. **C1071** Project No. **14-193** Issue **A**



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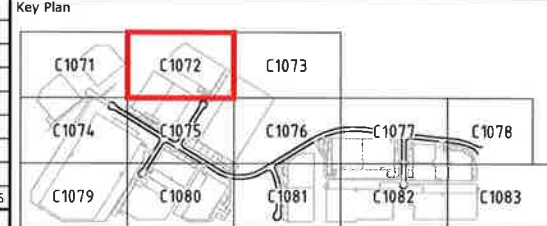
Approved Application No. **5506917**

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Sheet No. **160** of **270**

Issue	Description	Date
A	ISSUED FOR SSD APPLICATION	03-09-15



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		Designed	JB
Grid	MGA	Checked	JP
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH
Title	EROSION AND SEDIMENT CONTROL PLAN SHEET 2

Civil Engineers and Project Managers		
 Suite 702, 154 Pacific Hwy St Leonards NSW 2065 ABN 95 130 882 405 Tel: 02 9439 1777 www.atl.net.au info@atl.net.au		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	Project No.	Issue
C1072	14-193	A