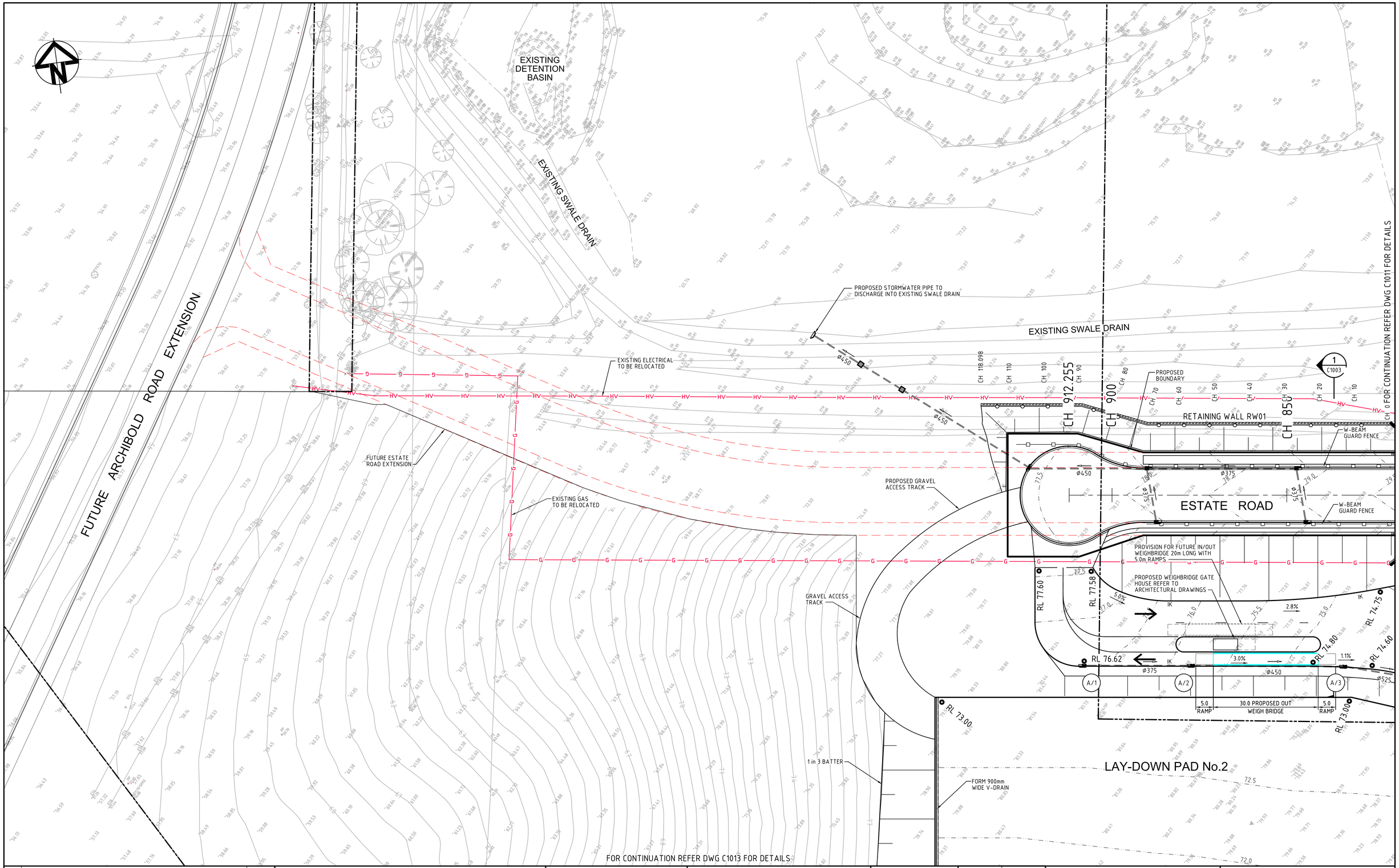

Issue	Description	Date
C	RE-ISSUED FOR SSDA	20-02-15
B	ISSUED FOR SSDA	18-06-14
A	ISSUED FOR CLIENT REVIEW	14-05-14

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales		Drawn	TS
1 : 500 @ A1		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 1 OF 7

Civil Engineers and Project Managers
at&l
Suite 702, 154 Pacific Hwy
St Leonards NSW 2065
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Tel: 02 9439 1777
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www.atl.net.au
info@atl.net.au

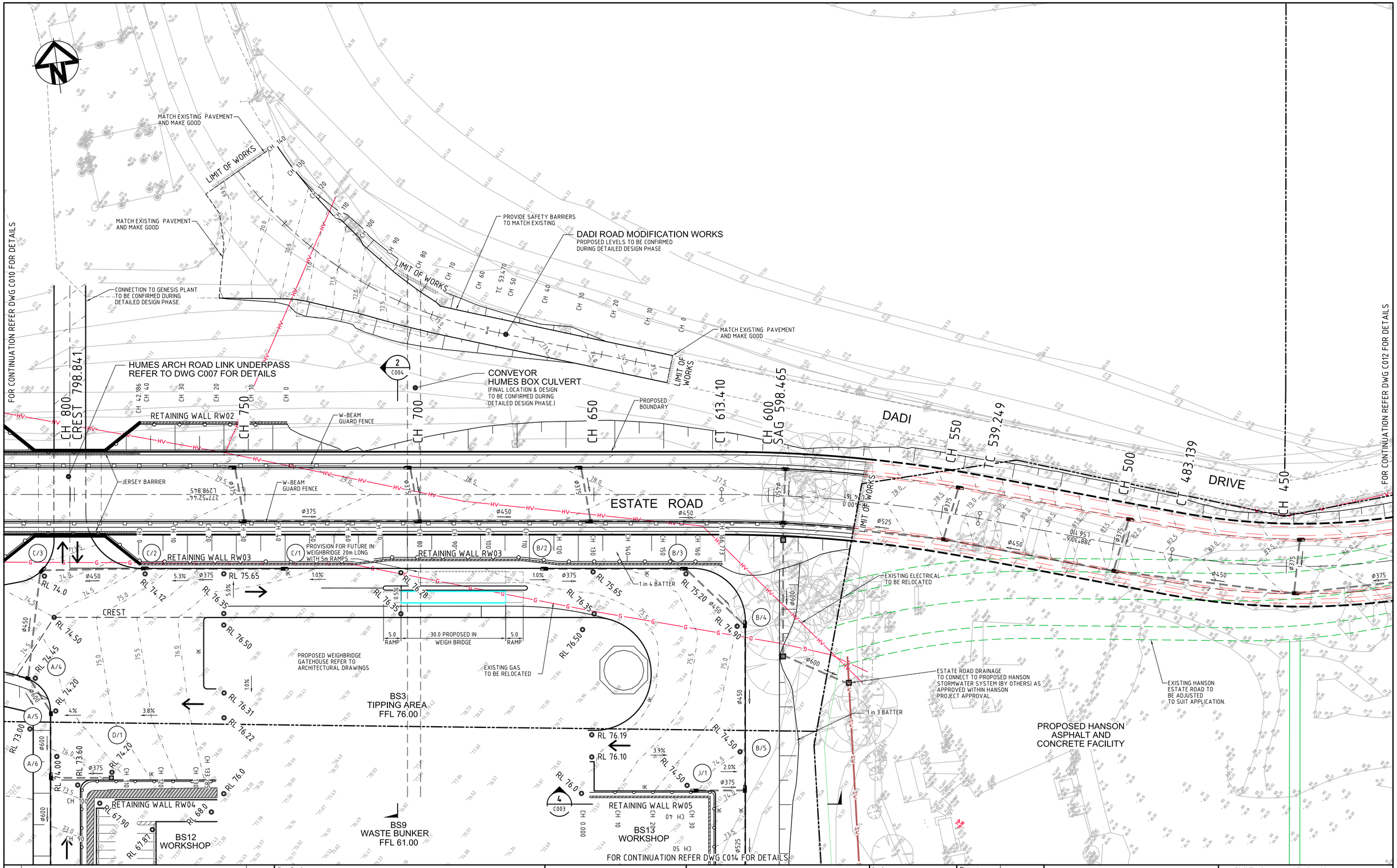
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C010	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:33PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C010.dwg



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

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales		Drawn	TS
1 : 500 @ A1		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 2 OF 7

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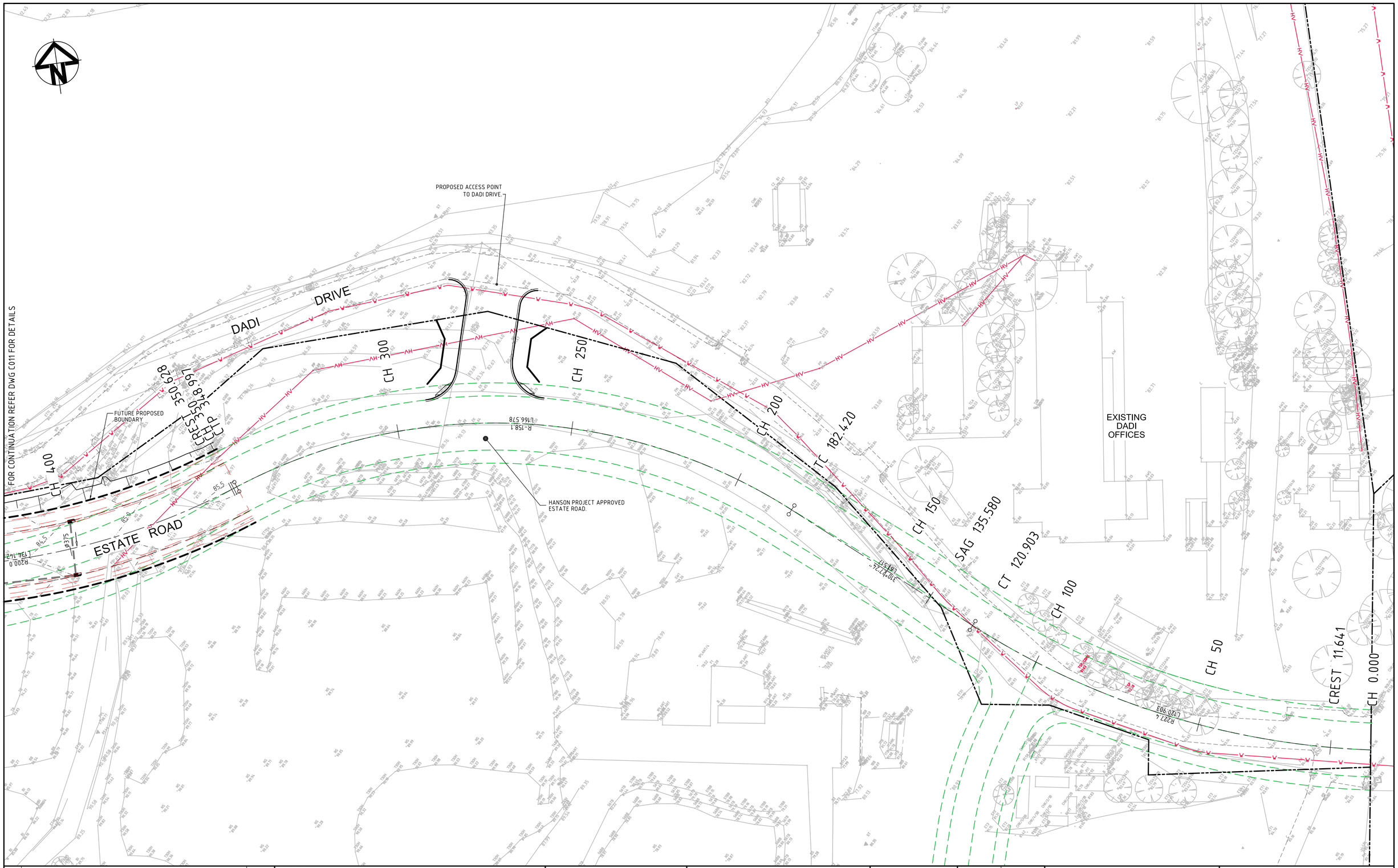
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C011	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:32PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C011.dwg



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

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales	1 : 500 @ A1	Drawn	TS
		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 3 OF 7

Civil Engineers and Project Managers
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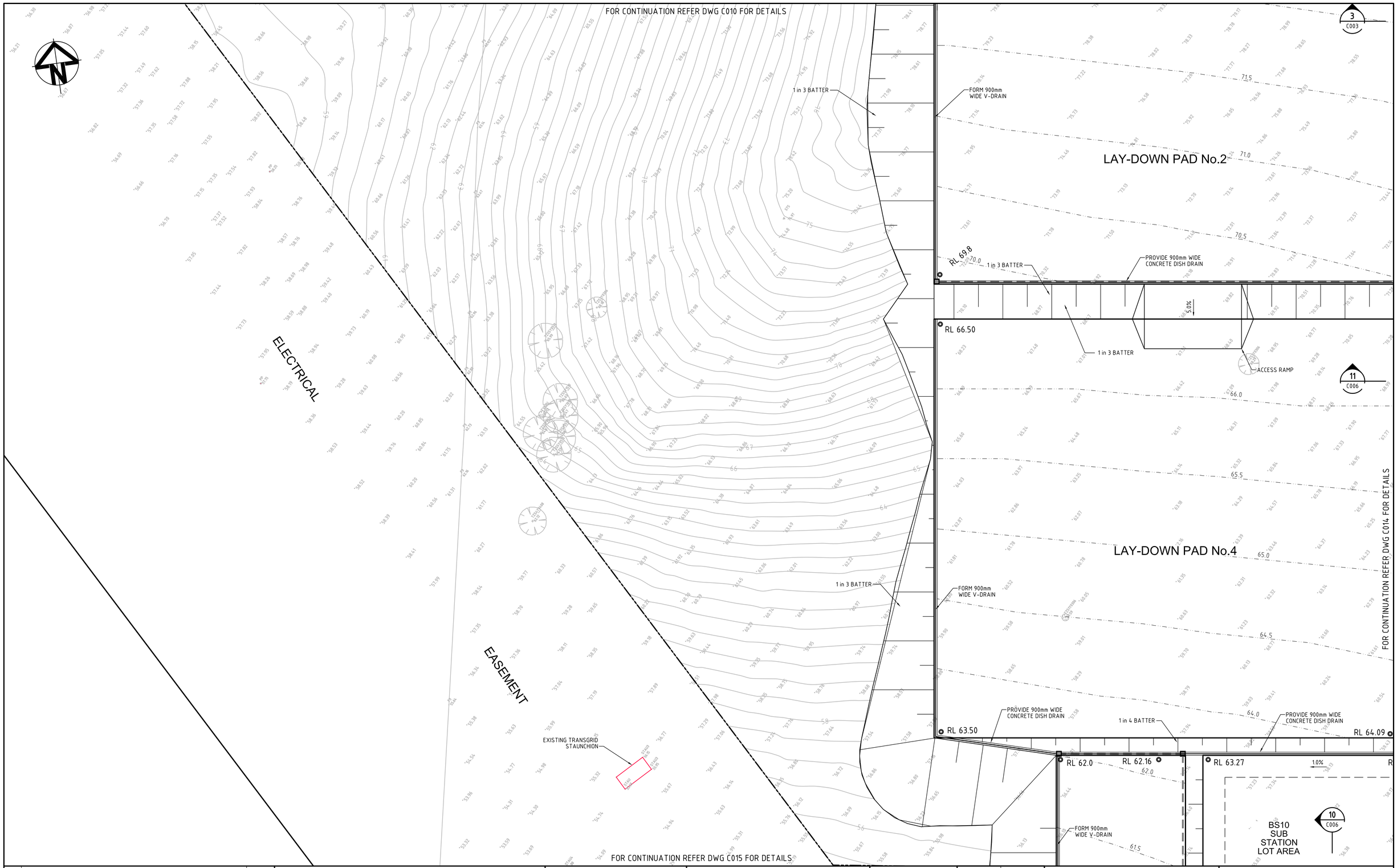
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C012	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:11PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C012.dwg



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

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales		Drawn	TS
1 : 500 @ A1		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 4 OF 7

Civil Engineers and Project Managers
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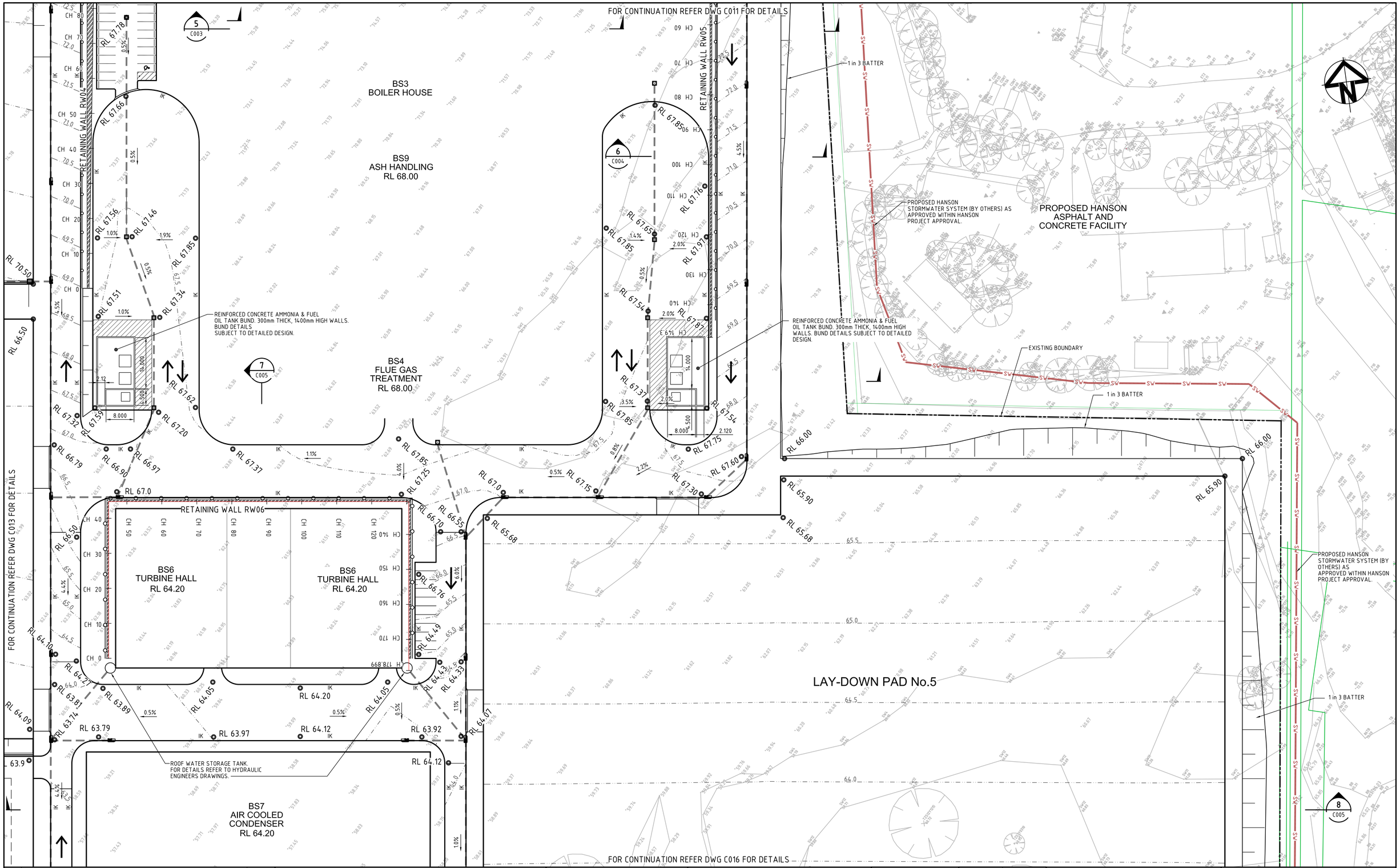
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C013	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:11PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C013.dwg



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

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales	1 : 500 @ A1	Drawn	TS
		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 5 OF 7

Civil Engineers and Project Managers
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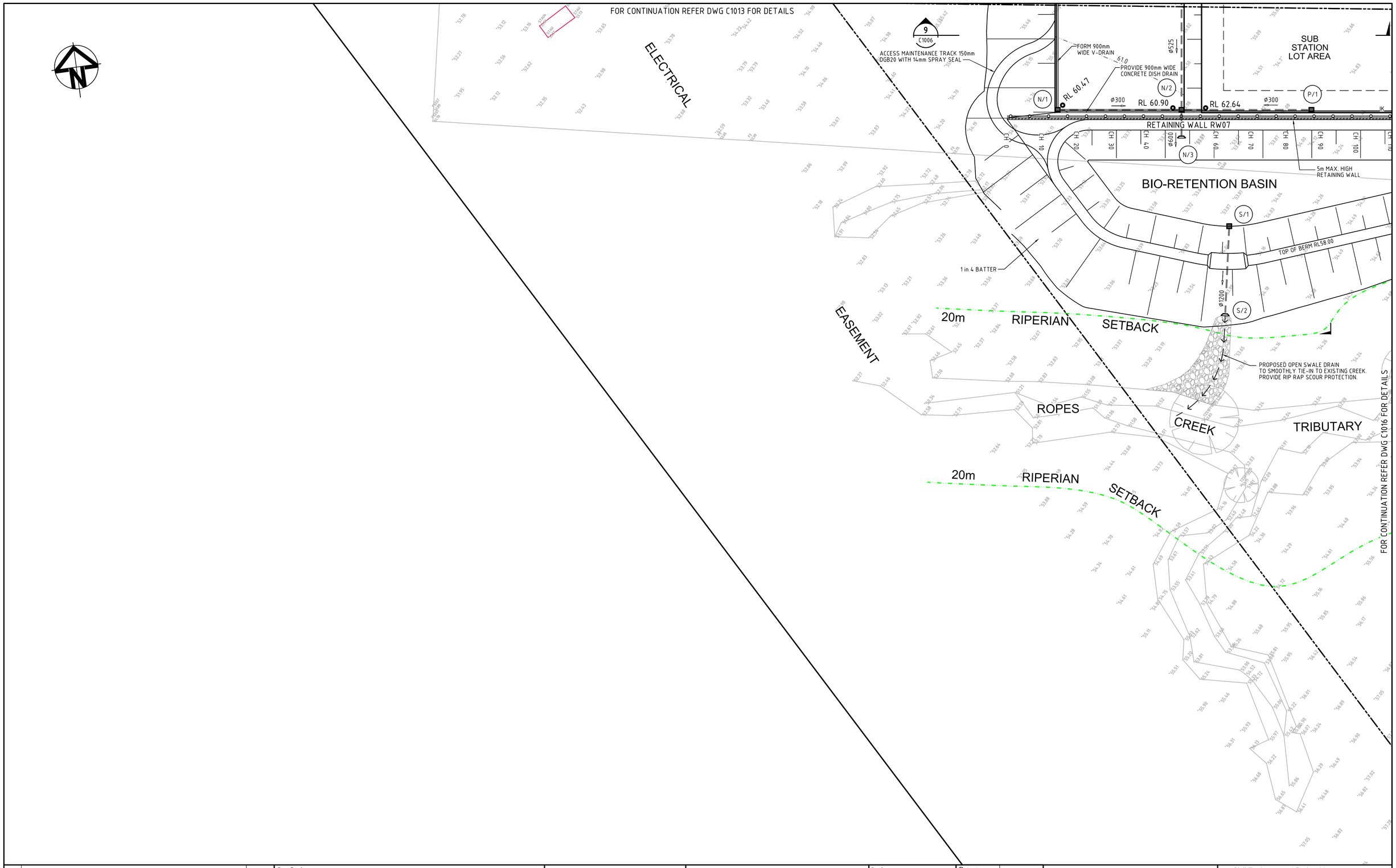
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C014	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:12PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C014.dwg



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

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

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Energise Your Future

Scales	1 : 500 @ A1
Grid	MGA
Height Datum	AHD
Drawn	TS
Designed	TS
Checked	MM
Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 6 OF 7

Civil Engineers and Project Managers
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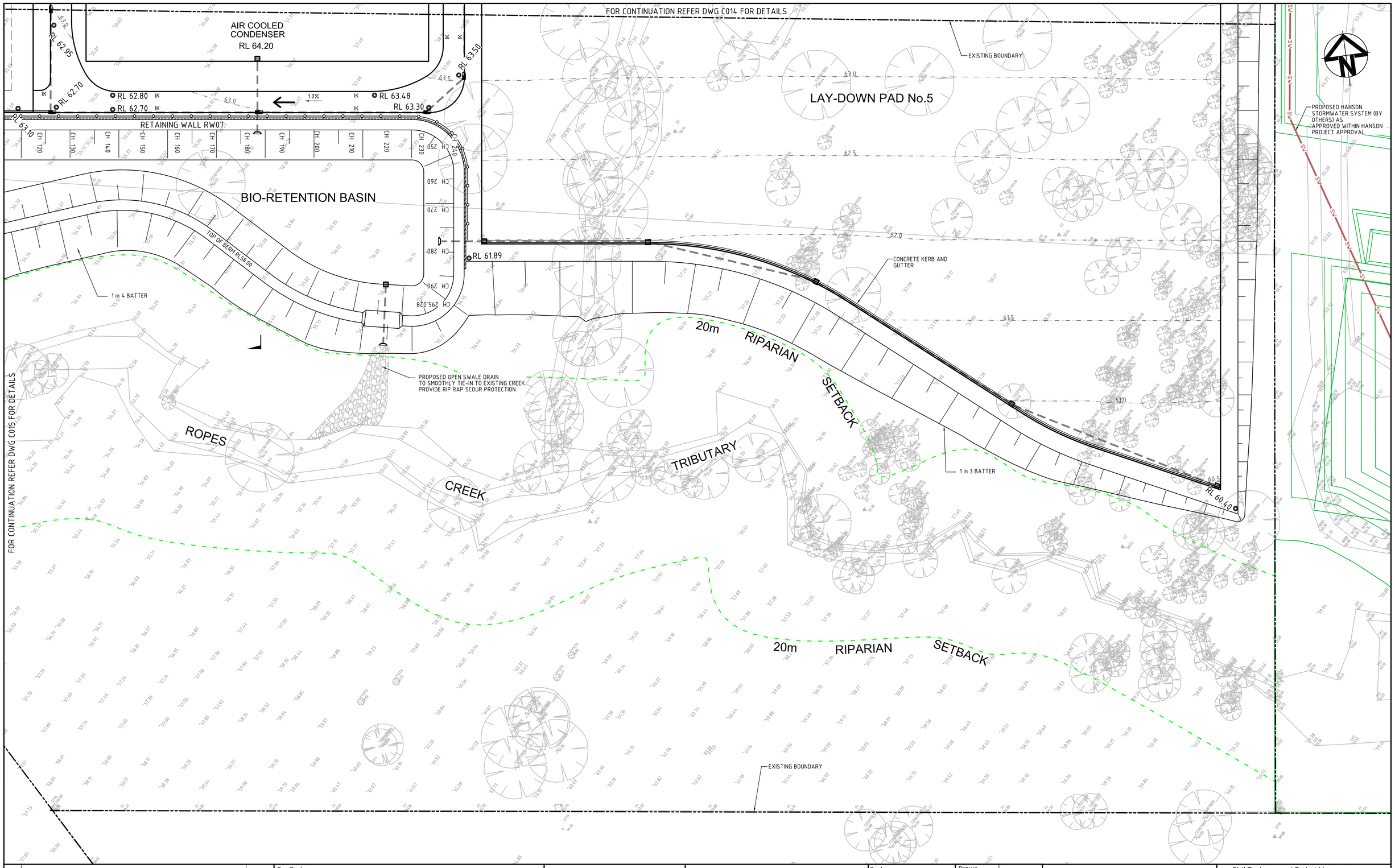
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C015	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:12PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C015.dwg



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

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales		Drawn	TS
1 : 500 @ A1		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 7 OF 7

Civil Engineers and Project Managers
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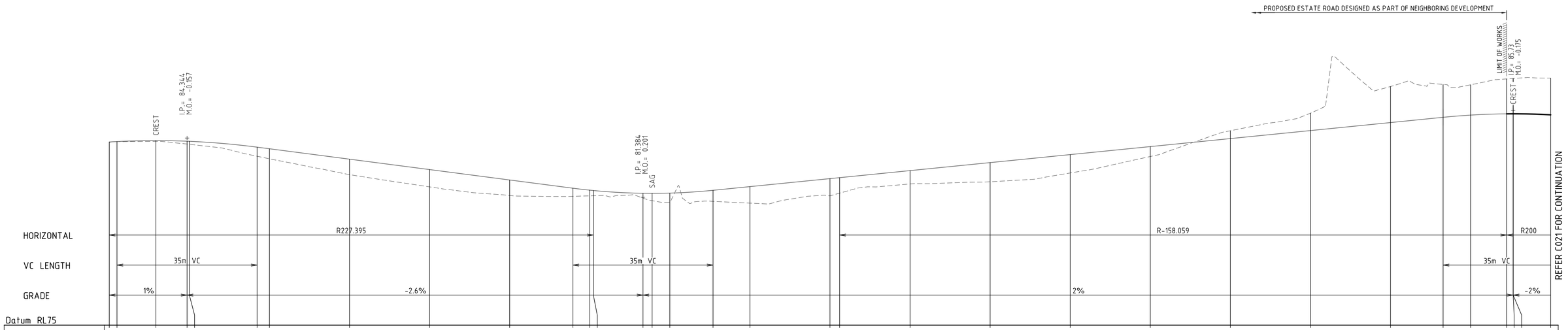
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

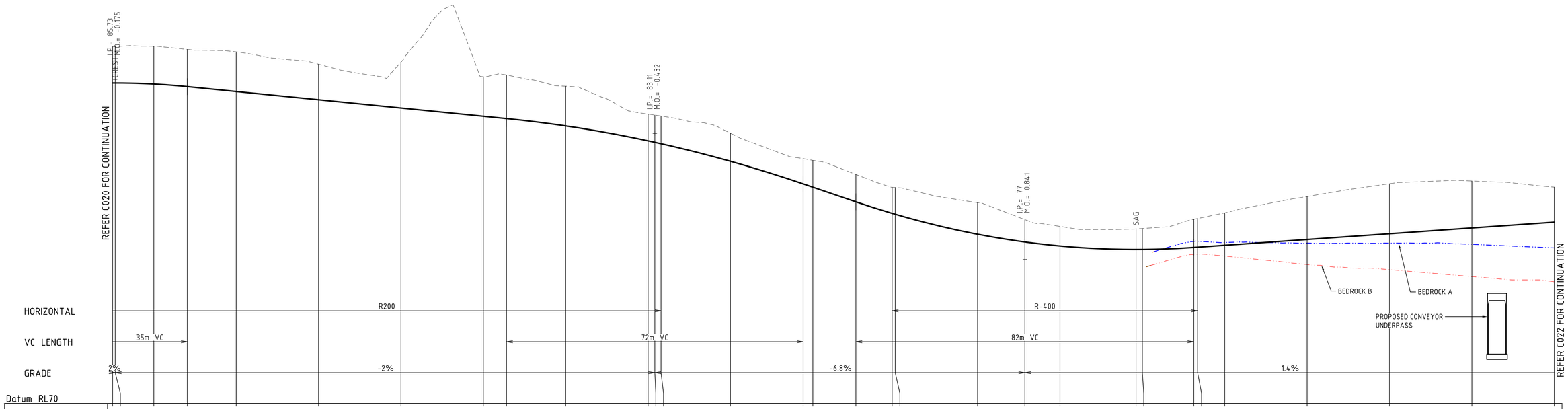
Drawing No.	Project No.	Issue
C016	14-187	D

100mm on Original

Date Plotted: 12 Mar 2015 - 02:40PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C016.dwg


PROPOSED ESTATE ROAD DESIGNED AS PART OF NEIGHBORING DEVELOPMENT
LIMIT OF WORKS
I.P.= 84.672
M.O.= -0.175
CREST
I.P.= 84.344
M.O.= -0.157
CREST
I.P.= 81.384
M.O.= 0.201
SAG
HORIZONTAL
R227.395
R-158.059
R200
VC LENGTH
35m VC
35m VC
35m VC
GRADE
1%
-2.6%
2%
-2%
REFER C021 FOR CONTINUATION
Datum RL75

| | | |



PROPOSED SURFACE LEVEL	85.555 85.555	85.505	85.380	85.143	84.743	84.343	83.943	83.830	83.474	82.749 82.678 82.611	81.757	80.661 80.501	79.790	79.230 79.186	78.217	77.841	77.648	77.477 77.478	77.536 77.588	77.681	77.961	78.242	78.523	78.803
BEDROCK B SURFACE LEVEL																			77.239 77.251	77.158	76.748	76.498	76.162	75.911
BEDROCK A SURFACE LEVEL																			77.872 77.877	77.818	77.787	77.784	77.727	77.556
EXISTING SURFACE LEVEL	87.311 87.320	87.339	87.184	87.064	86.468	86.564	85.861	85.946	85.399	84.045 83.999 83.952 TP	83.119	81.886 81.801	81.120	80.494 TP 80.485	79.753	78.927	78.597	78.473 78.495	78.943 TP 78.981	79.255	80.048	80.668	80.801	80.503
CHAINAGE	350.000 350.628	360.000	368.129	380.000	400.000	420.000	440.000	445.627	460.000	480.000 481.638 483.139	500.000	517.649 520.000	530.451	539.249 540.000	560.000	571.473	580.000	598.465 600.000	612.495 613.410	620.000	640.000	660.000	680.000	700.000

ESTATE ROAD (CONTROL CL01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

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

100mm on Original

Bar Scales

0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40 50m
1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales: AS SHOWN
Grid
Height Datum

Drawn	TS
Designed	TS
Checked	MM
Approved	

Project
ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title
ESTATE ROAD LONGITUDINAL SECTION SHEET 2 OF 3

Civil Engineers and Project Managers
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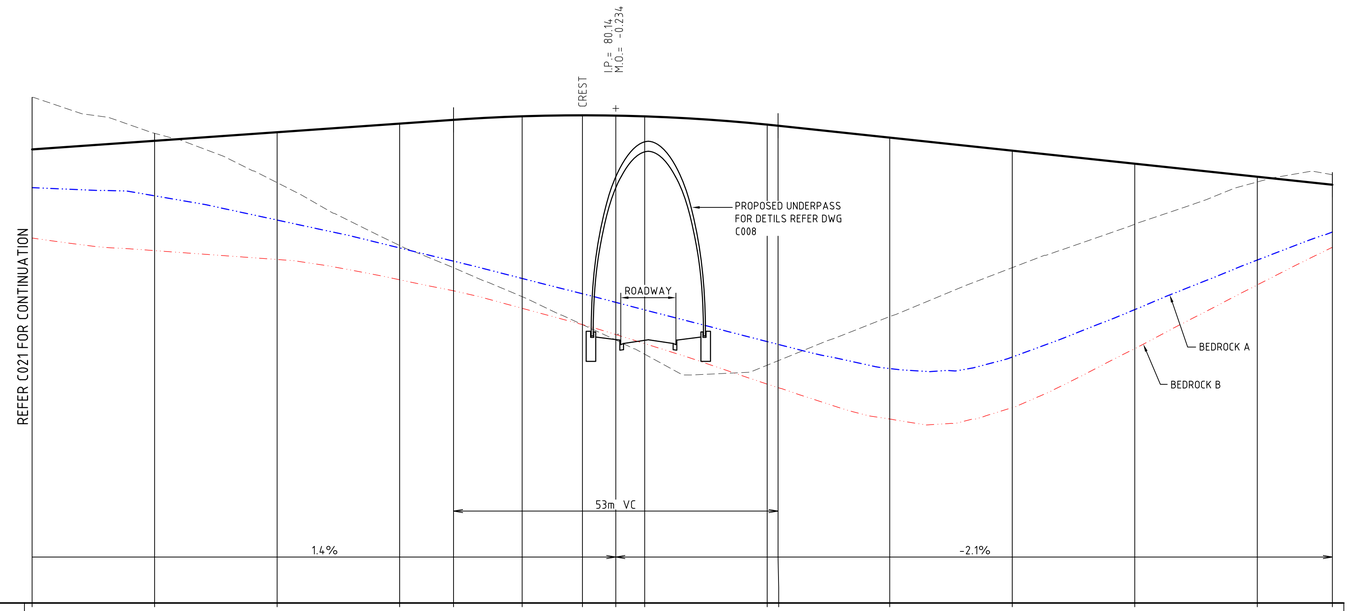
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C021	14-187	C

Date Plotted: 20 Feb 2015 - 05:13PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C021.dwg



HORIZONTAL																
VC LENGTH																
GRADE																
Datum RL64																
PROPOSED SURFACE LEVEL	78.803	79.084	79.364	79.645	79.768	79.884	79.916	79.906	79.882	79.613 79.576	79.188	78.762	78.337	77.911	77.650
BEDROCK B SURFACE LEVEL	75.911	75.500	75.210	74.549	74.189	73.617	73.085	72.760	72.465	71.143 71.028	70.005	70.376	72.303	74.382	75.609
BEDROCK A SURFACE LEVEL	77.556	77.289	76.497	75.588	75.156	74.591	74.092	73.811	73.564	72.531 72.440	71.650	72.027	73.576	75.193	76.106
EXISTING SURFACE LEVEL	80.503	79.328	77.719	75.668	74.942	73.998	73.085	72.583	72.120	71.761 71.905	73.349	74.944	76.362	77.741	77.977
CHAINAGE	700.000	720.000	740.000	760.000	768.796	780.000	789.841	795.284	800.000	820.000 821.772	840.000	860.000	880.000	900.000	912.255

CL01 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

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

Bar Scales

0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40 50m
1 : 500 @ A1 1 : 1000 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

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

Project
ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title
ESTATE ROAD LONGITUDINAL SECTION SHEET 3 OF 3

Civil Engineers and Project Managers
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info@atl.net.au

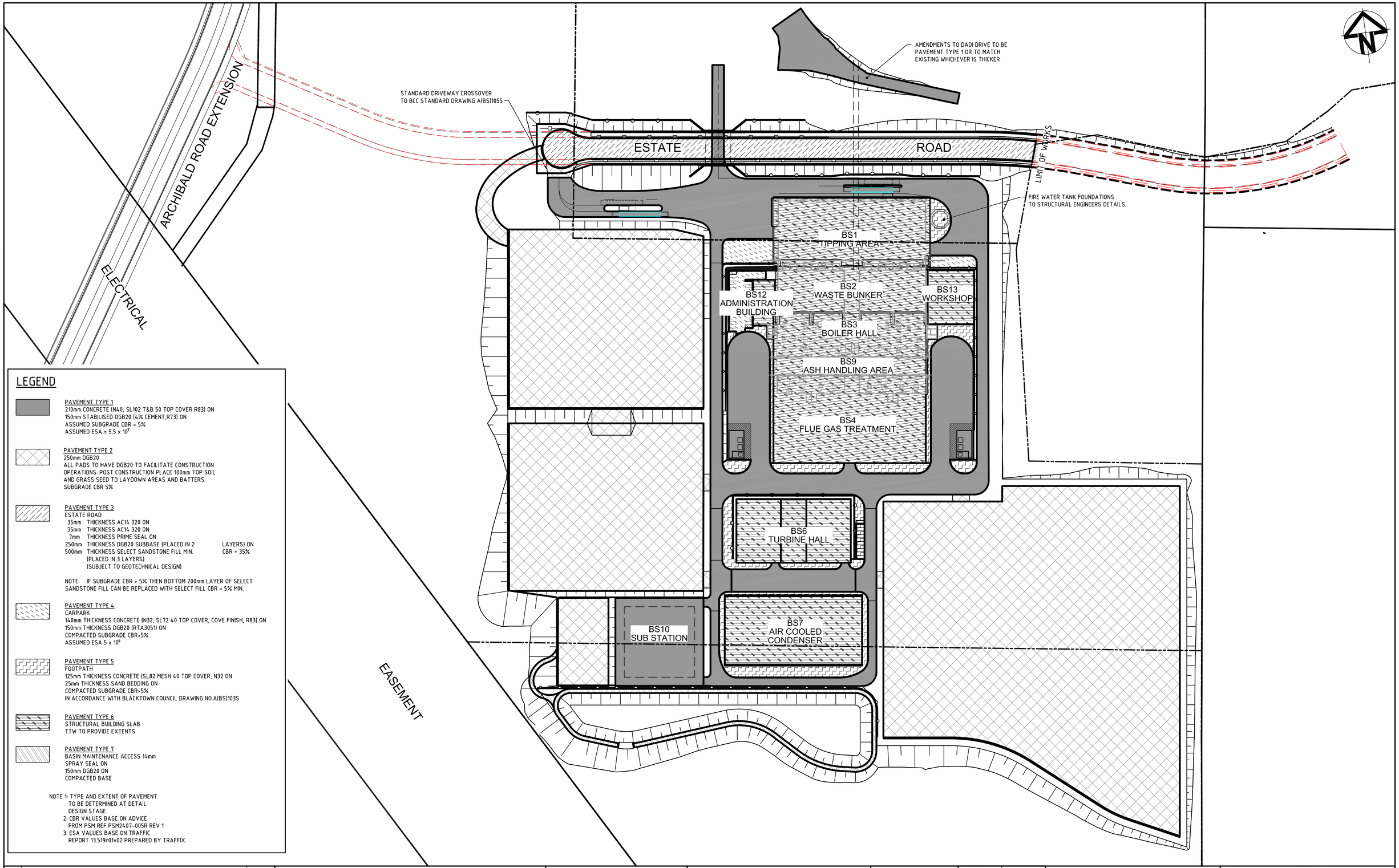
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C022	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:13PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C022.dwg



LEGEND

PAVEMENT TYPE 1
210mm CONCRETE (N40, SL102 T&B 50 TOP COVER R83) ON
150mm STABILISED DGB20 (4% CEMENT,R73) ON
ASSUMED SUBGRADE CBR = 5%
ASSUMED ESA = 5.5 x 10^7

PAVEMENT TYPE 2
250mm DGB20
ALL PADS TO HAVE DGB20 TO FACILITATE CONSTRUCTION OPERATIONS. POST CONSTRUCTION PLACE 100mm TOP SOIL AND GRASS SEED TO LAYDOWN AREAS AND BATTERS.
SUBGRADE CBR 5%

PAVEMENT TYPE 3
ESTATE ROAD
35mm THICKNESS AC14 320 ON
35mm THICKNESS AC14 320 ON
7mm THICKNESS PRIME SEAL ON
250mm THICKNESS DGB20 SUBBASE (PLACED IN 2 LAYERS) ON
500mm THICKNESS SELECT SANDSTONE FILL MIN. CBR = 35%
(PLACED IN 3 LAYERS)
(SUBJECT TO GEOTECHNICAL DESIGN)

NOTE: IF SUBGRADE CBR = 5% THEN BOTTOM 200mm LAYER OF SELECT SANDSTONE FILL CAN BE REPLACED WITH SELECT FILL CBR = 5% MIN.

PAVEMENT TYPE 4
CARPARK
140mm THICKNESS CONCRETE (N32, SL72 40 TOP COVER, COVE FINISH, R83) ON
150mm THICKNESS DGB20 (RTA3051) ON
COMPACTED SUBGRADE CBR>5%
ASSUMED ESA 5 x 10^4

PAVEMENT TYPE 5
FOOTPATH
125mm THICKNESS CONCRETE (SL82 MESH 40 TOP COVER, N32 ON
25mm THICKNESS SAND BEDDING ON
COMPACTED SUBGRADE CBR>5%
IN ACCORDANCE WITH BLACKTOWN COUNCIL DRAWING NO.A(BS)103S

PAVEMENT TYPE 6
STRUCTURAL BUILDING SLAB
TTW TO PROVIDE EXTENTS

PAVEMENT TYPE 7
BASIN MAINTENANCE ACCESS 14mm
SPRAY SEAL ON
150mm DGB20 ON
COMPACTED BASE

NOTE 1: TYPE AND EXTENT OF PAVEMENT TO BE DETERMINED AT DETAIL DESIGN STAGE.
2: CBR VALUES BASE ON ADVICE FROM PSM REF PSM2407-005R REV 1
3: ESA VALUES BASE ON TRAFFIC REPORT 13.519r01v02 PREPARED BY TRAFFIX.

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

Bar Scales

0 25 50 75 100 125m

1 : 1250 @ A1 1 : 2500 @ A3

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Client

THE NEXT GENERATION (NSW) Pty Ltd
Energise Your Future

Scales		Drawn	TS
1:1250 @ A1		Designed	TS
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

ENERGY FROM WASTE ELECTRICITY GENERATION PLANT, EASTERN CREEK

Title

PAVEMENT 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
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C030	14-187	C

100mm on Original

Date Plotted: 20 Feb 2015 - 05:13PM File Name: F:\14-187 TNG\Drgs\Civil\DA-Drawings\C030.dwg