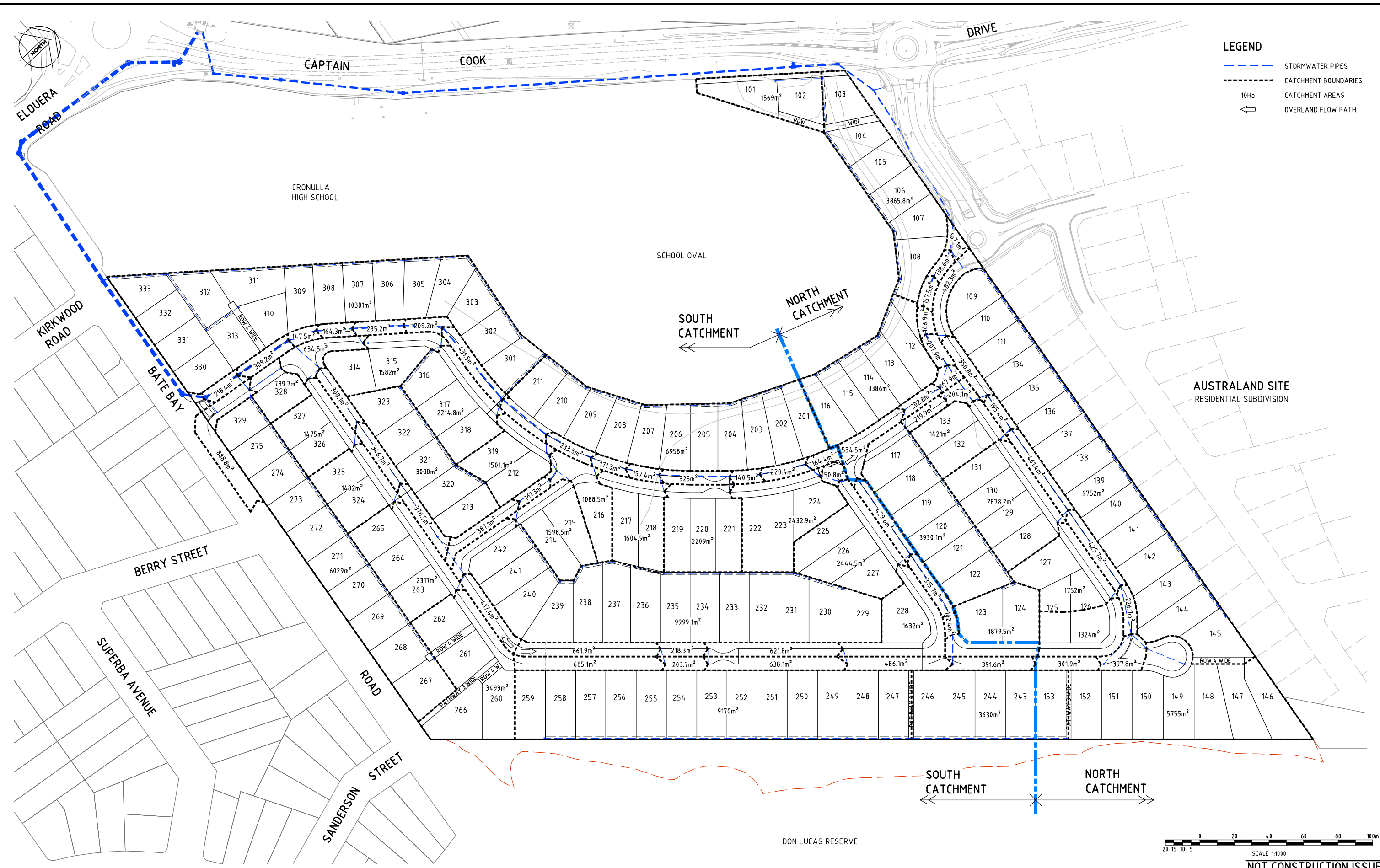
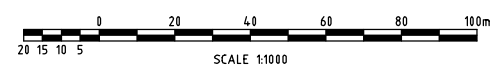


DATE PLOTTED: 2 August 2012 4:23 PM BY: DAVID HANNA (SYDNEY)  
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X-At: X-At Australand 11021  
X-Logo: X-Logo Australand 11021



**LEGEND**

- STORMWATER PIPES
- CATCHMENT BOUNDARIES
- CATCHMENT AREAS
- OVERLAND FLOW PATH



NOT CONSTRUCTION ISSUE

4	2/08/2012	FOR APPROVAL	DH	GN
3	28/05/2012	FOR APPROVAL	DH	GN
2	12/04/2012	PRE DA ISSUE	DH	GN
1	28/02/2012	CLIENT REVIEW	DH	DNA
Rev	Date	Description	By	Check

**BREEN**

**SHEARWATER LANDING**

IRPP (Sydney East Region) Business Plan (21 March 2013) - (2012SYF065)

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**Quality System**

Quality Endorsed Company

AS 9001:2008  
Standard Australia

**BREEN PROPERTY PTY LTD**

SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH

OVERALL CONCEPT STORMWATER  
CATCHMENT PLAN

**NOT FOR CONSTRUCTION**

Date: 19/07/2011 Datum: AHD Scale: 1:1000 Size: A1

Drawing Number: **600201-3030** Revision: **4**



DATE PLOTTED: 2 August 2012 3:21 PM BY: DAVID HANNA (SYDNEY)

XREF: X-GRP-A1-SHT: X-SYD-A1-Logo: X\_Lot Layout: X-Survey/CaptainCookDrive: X-Cadastral Adjoining: X-Service  
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NOT CONSTRUCTION ISSUE

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3	28/05/2012	FOR APPROVAL	DH	GN
2	12/04/2012	PRE DA ISSUE	DH	GN
1	28/02/2012	CLIENT REVIEW	DH	DNA
Rev	Date	Description	By	Check

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AS 9001:2008  
Standard Australia

Drawn	DH	Date	8/02/2012
Checked	GN	Date	8/02/2012
Designed	GN	Date	8/02/2012
Verified		Date	
Approved		Date	

**BREEN PROPERTY PTY LTD**

SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH

WETLAND BASIN DETAIL

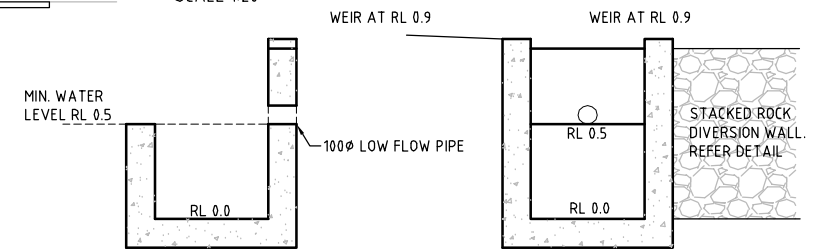
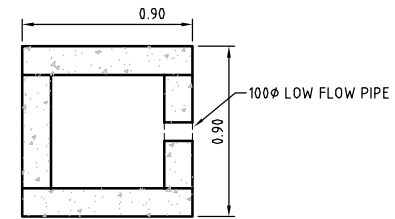
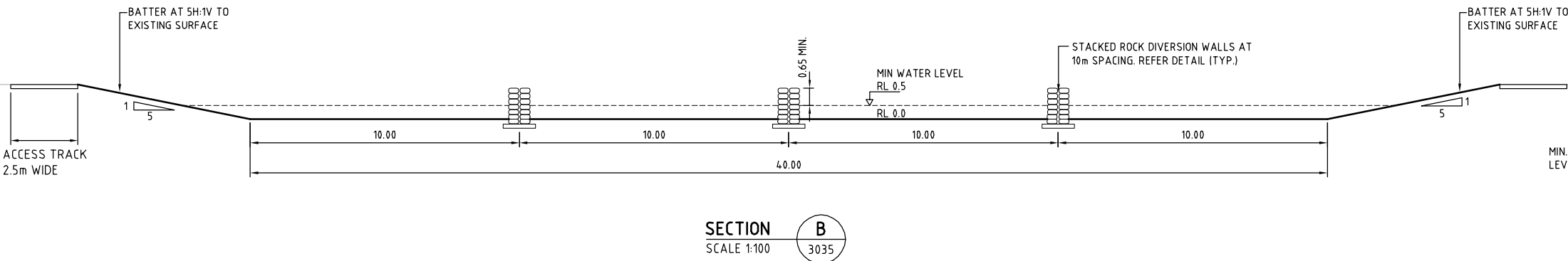
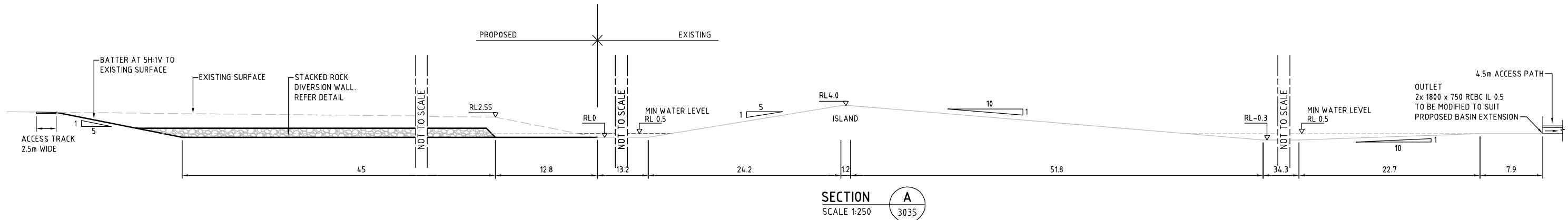
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Revision	65		Revision	4

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DATE PLOTTED: 28 May 2012 3:46 PM BY: DAVID HANNA (SYDNEY)

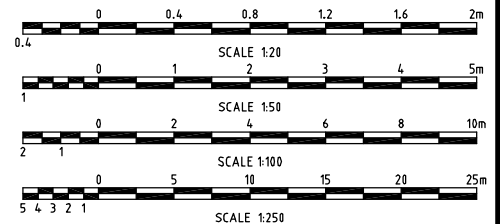
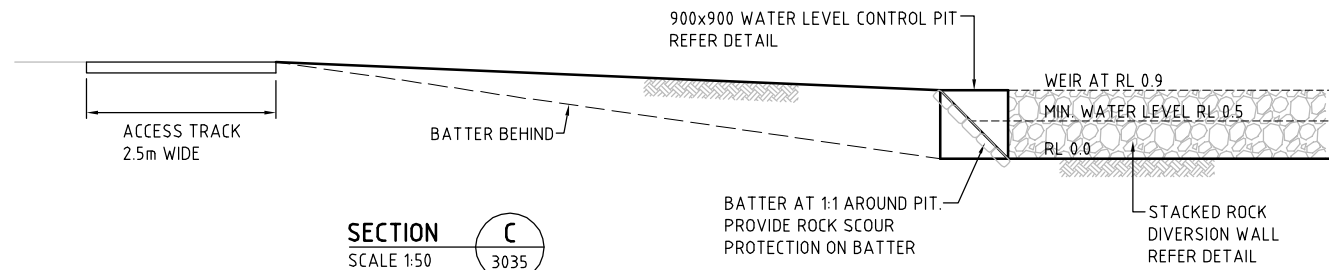
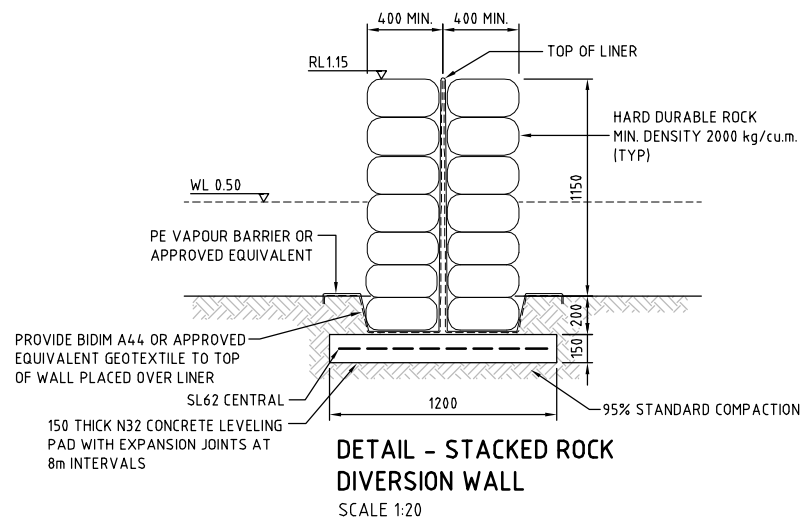
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SECTION 1  
SCALE 1:20

SECTION 2  
SCALE 1:20

DETAIL  
WATER LEVEL CONTROL PIT  
SCALE 1:20



NOT CONSTRUCTION ISSUE

Rev	Date	Description	By	Check
3	28/05/2012	FOR APPROVAL	DH	GN
2	12/04/2012	PRE DA ISSUE	DH	GN
1	28/02/2012	CLIENT REVIEW	DH	DNA



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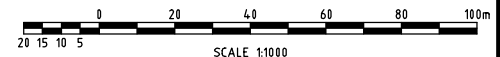
**Cardno**  
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Drawn	DH	Date	8/02/2012
Checked	GN	Date	8/02/2012
Designed	GN	Date	8/02/2012
Verified		Date	
Approved		Date	

Client: **BREEN PROPERTY PTY LTD**  
SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH  
TYPICAL SECTIONS - WETLAND BASIN

NOT FOR CONSTRUCTION			
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Drawing Number			Revision
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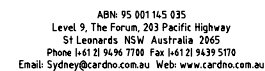
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2	12/04/2012	PRI DA ISSUE		DH	GN
1	28/02/2012	CLIENT REVIEW		DH	DNA
Rev	Date	JIRPP (Sydney East Region) Business Process			



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GN	8/02/2012
Designed	Date
GN	8/02/2012
Verified	Date
Approved	Date

Client **BREEN PROPERTY PTY LTD**

SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH

CONCEPT WATER &amp; SEWER DESIGN

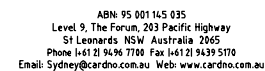
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Drawing Number			Revision
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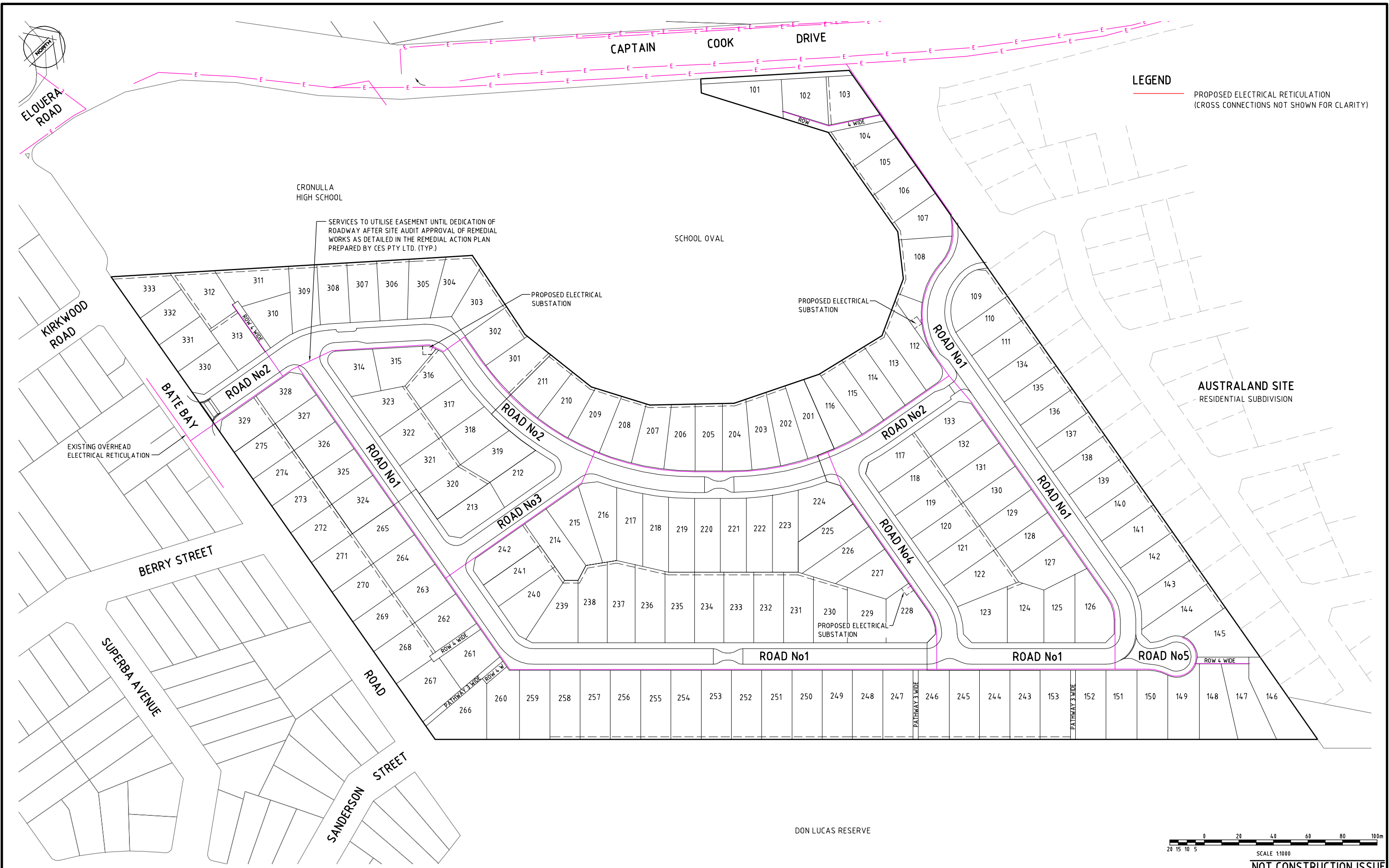


Drawn	Date
DH	8/02/2012
Checked	Date
GN	8/02/2012
Designed	Date
GN	8/02/2012
Verified	Date
Approved	Date

Client	<b>GREEN PROPERTY PTY LTD</b>	Sheet	1
	SHEARWATER LANDING PROPOSED SUBDIVISION BATE BAY ROAD, GREENHILLS BEACH	Drawn	DA
	CONCEPT EROSION & SEDIMENT CONTROL PLAN	Drawn	DA

Status			
<b>NOT FOR CONSTRUCTION</b>			
Date	Datum	Scale	Size
8/02/2012	AHD	1:1000	A1
Drawing Number			Revision
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DATE PLOTTED: 2 August 2012 3:23 PM BY: DAVID HANNA (SYDNEY)  
XREF's: X-GRP-A1-SHT; X-SYD-A1-Logo; BATE BAY; RD\_PROPOSAL-LANDFORM-FINAL; X\_Lot Layout; X\_Existing; Contours; X-Contours Design; X-Cadastral; Adjoining; X-Service  
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4	2/08/2012	FOR APPROVAL	DH	GN
3	28/05/2012	FOR APPROVAL	DH	GN
2	12/04/2012	PRE DA ISSUE	DH	GN
1	28/02/2012	CLIENT REVIEW	DH	DNA
Rev	Date	Client Review		

IRPP (Sydney East Region) Business Plan (21 March 2013) - (2012SYE065)



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Drawn	DH	Date	8/02/2012
Checked	GN	Date	8/02/2012
Designed	GN	Date	8/02/2012
Verified		Date	
Approved		Date	

Client: **BREEN PROPERTY PTY LTD**  
SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH  
CONCEPT ELECTRICAL RETICULATION DESIGN

Status	NOT FOR CONSTRUCTION						
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Drawing Number	600201-3055					Revision	4

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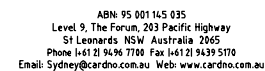


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5	21/09/2012	FOR APPROVAL		DH	GN
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2	12/04/2012	PRI DA ISSUE		DH	GN
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Rev	Date	JRPP (Sydney East Region) Business Plan:			



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DH	8/02/2012
Checked	Date
GN	8/02/2012
Designed	Date
GN	8/02/2012
Verified	Date
Approved	Date

Client	<b>GREEN PROPERTY PTY LTD</b>		S
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	CUT/FILL PLAN		D

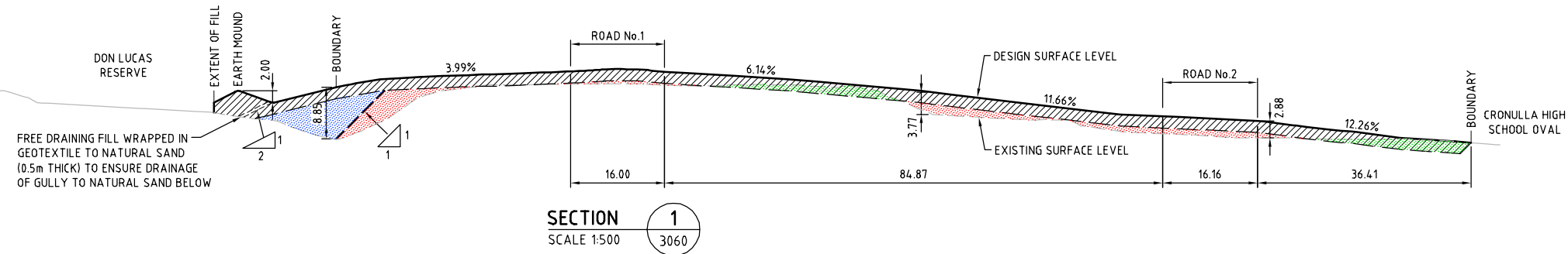
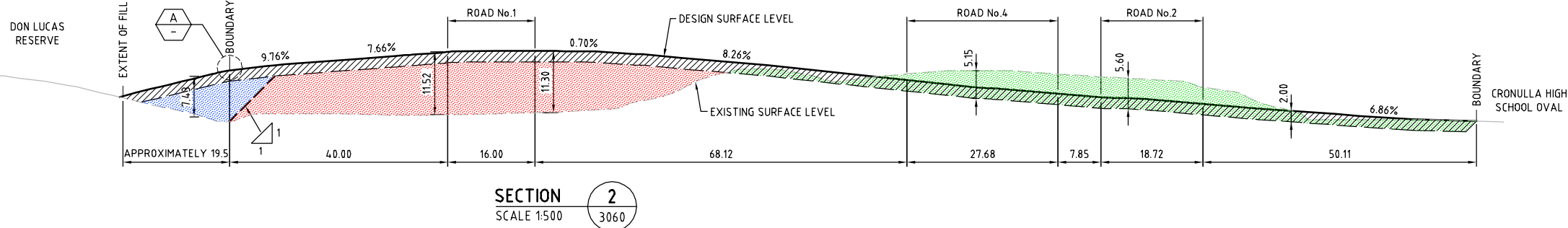
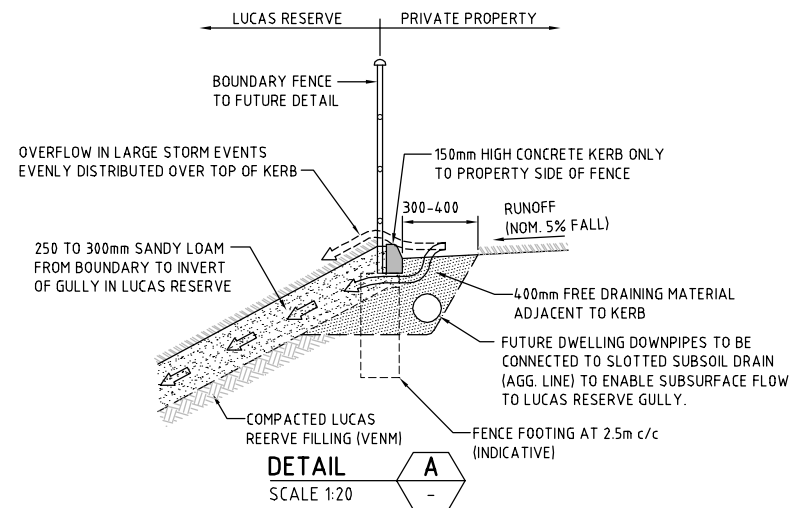
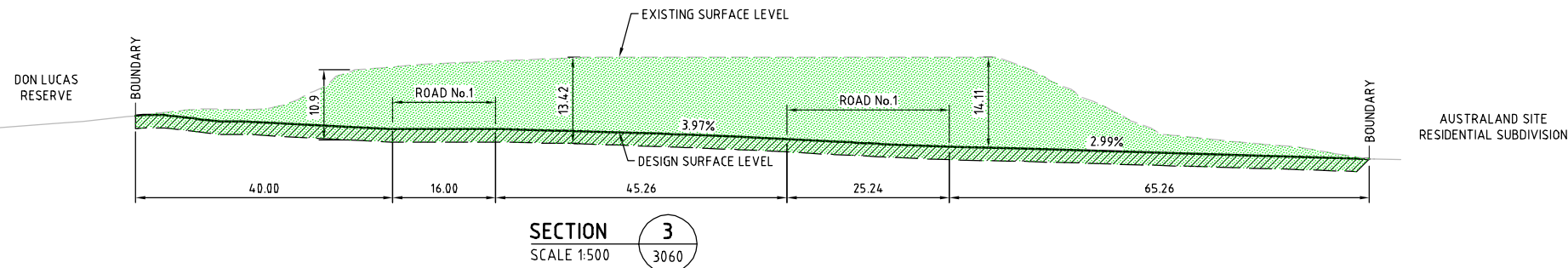
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IRPP (Sydney East Region) Business Plan (21 March 2013) - (2012SYF065)



**LEGEND**

- EXISTING SURFACE
- BULK EARTHWORKS LEVEL
- DESIGN LEVEL
- 2m CAPPING LAYER COMPRISED OF CLEAN IMPORTED FILL MATERIAL AND OF ON-SITE MATERIAL AND SANDY LOAM (REFER DETAIL A)
- MATERIAL TO BE REGRADED
- MATERIAL WON FROM SITE
- VIRGIN EXCAVATED NATURAL MATERIAL

0 500 1000 1500 2000mm  
SCALE 1:20

0 10 20 30 40 50m  
SCALE 1:500

NOT CONSTRUCTION ISSUE

6	8/03/2013	FOR APPROVAL	DH	GN
5	21/09/2012	FOR APPROVAL	DH	GN
4	2/08/2012	FOR APPROVAL	DH	GN
3	28/05/2012	FOR APPROVAL	DH	GN
2	12/04/2012	PRE DA ISSUE	DH	GN
1	28/02/2012	CLIENT REVIEW	DH	DNA
Rev	Date	Description	By	Check

**BREEN**

**SHEARWATER LANDING**

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Drawn	DH	Date	8/02/2012
Checked	GN	Date	8/02/2012
Designed	GN	Date	8/02/2012
Verified		Date	
Approved		Date	

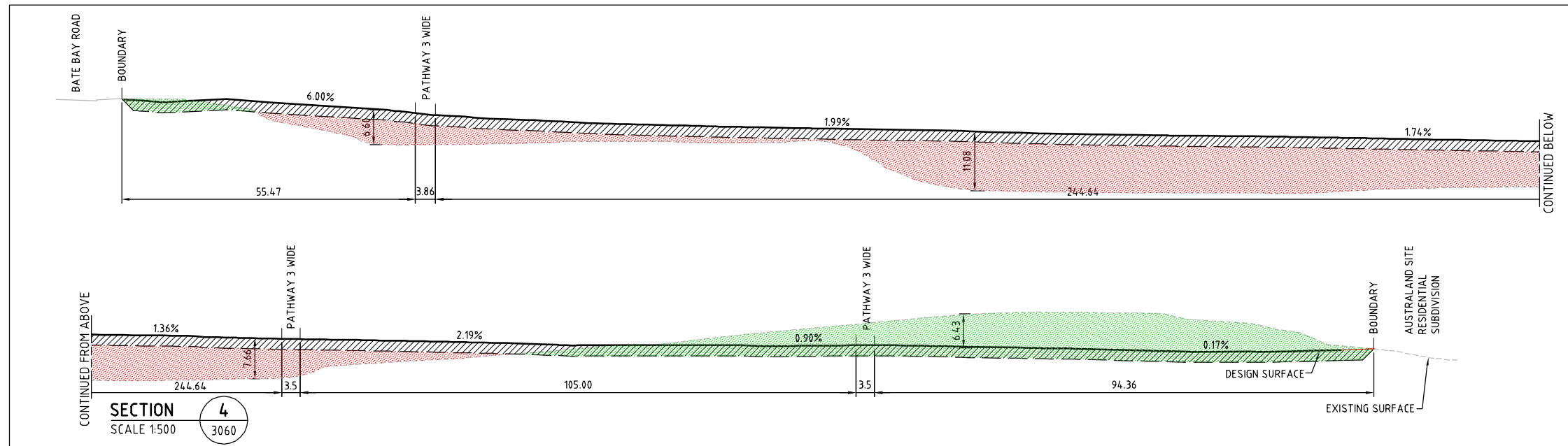
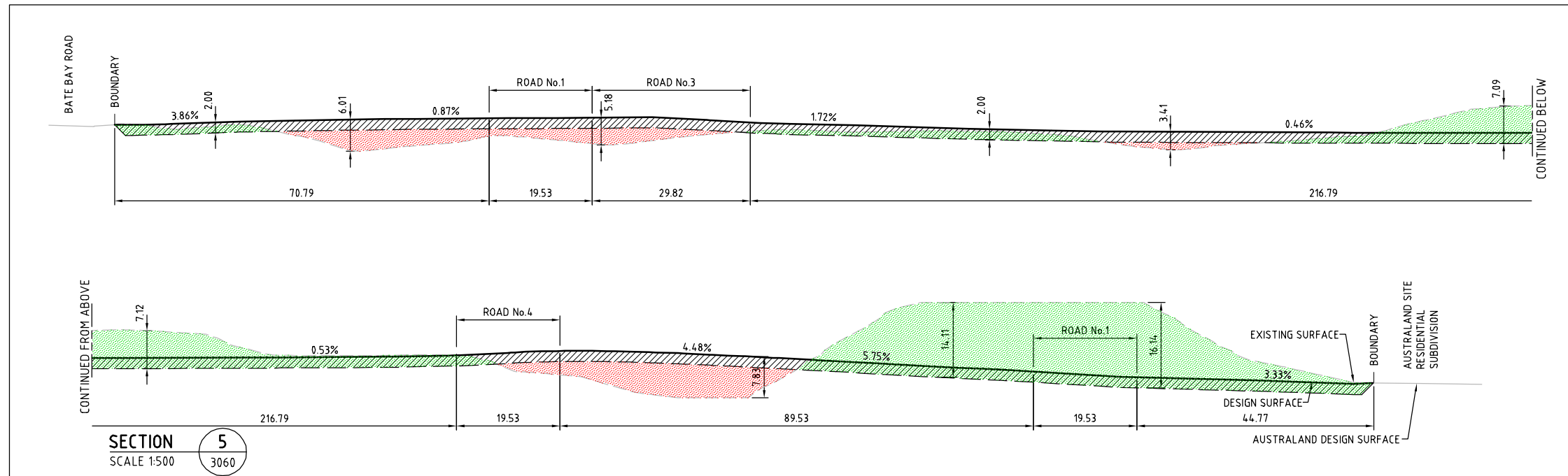
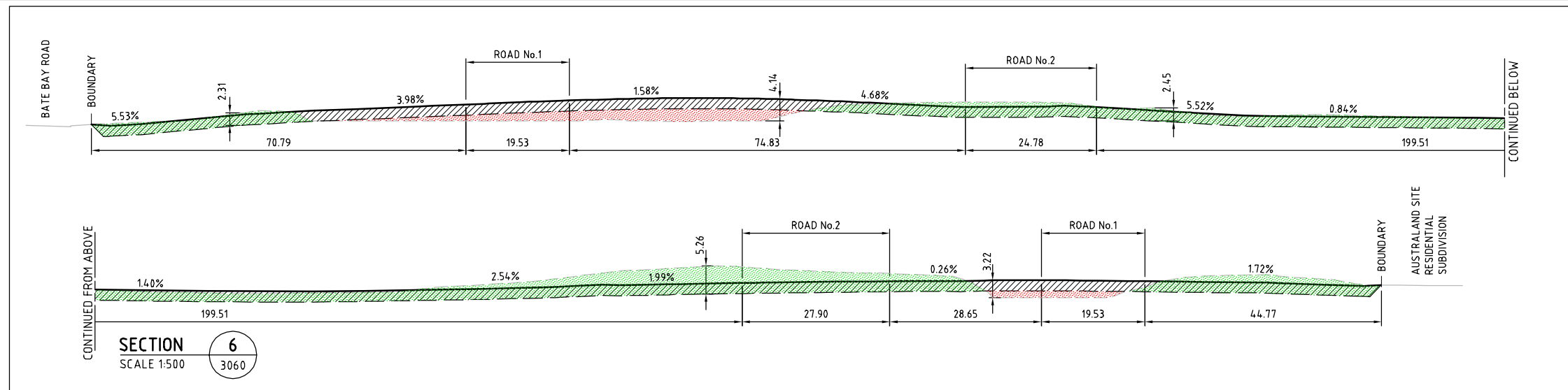
**BREEN PROPERTY PTY LTD**

SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH







SITE SECTIONS - 1 of 3

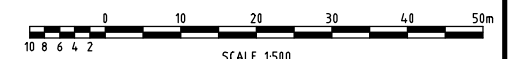
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Drawing Number	600201-3065			Size
				A1
				Revision
				6





### LEGEND

-  EXISTING SURFACE  
 BULK EARTHWORKS LEVEL  
 DESIGN LEVEL  
 2m CAPPING LAYER COMPRISED OF  
 CLEAN IMPORTED FILL MATERIAL  
 AND OF ON-SITE MATERIAL  
 MATERIAL TO BE REGRADED  
 MATERIAL WON FROM SITE



NOT CONSTRUCTION ISSUE

6	8/03/2013	FOR APPROVAL		DH	GN
5	21/09/2012	FOR APPROVAL		DH	GN
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2	12/04/2012	PRE DA ISSUE		DH	GN
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Drawn	Date
DH	8/02/2012
Checked	Date
GN	8/02/2012
Designed	Date
GN	8/02/2012
Verified	Date
Approved	Date

Client **BREEN PROPERTY PTY LTD**

2 SHEARWATER LANDING  
2 PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH

SITE SECTIONS - 2 of 3

Status **NOT FOR CONSTRUCTION**

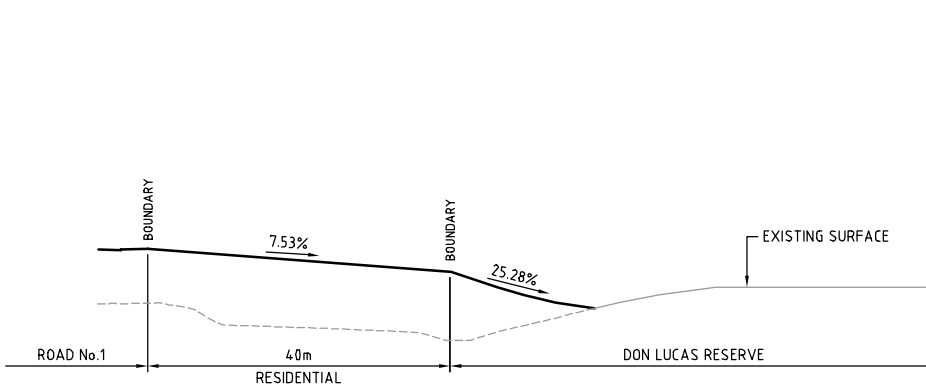
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Drawing Number <b>600201-3066</b>			Revision <b>6</b>

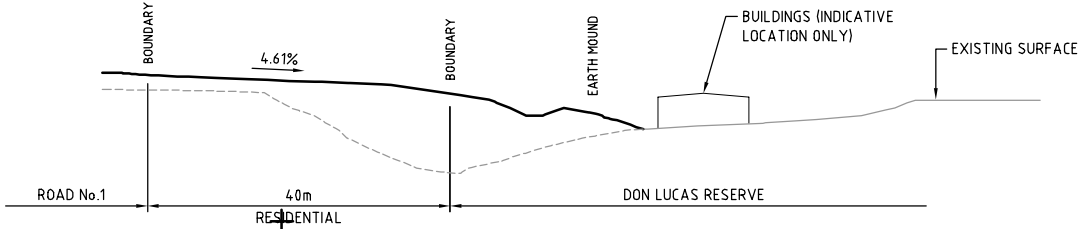
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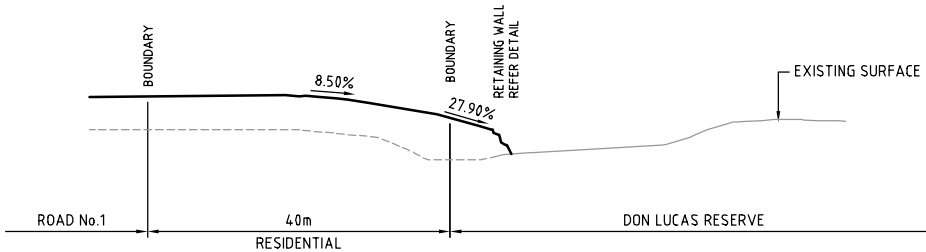
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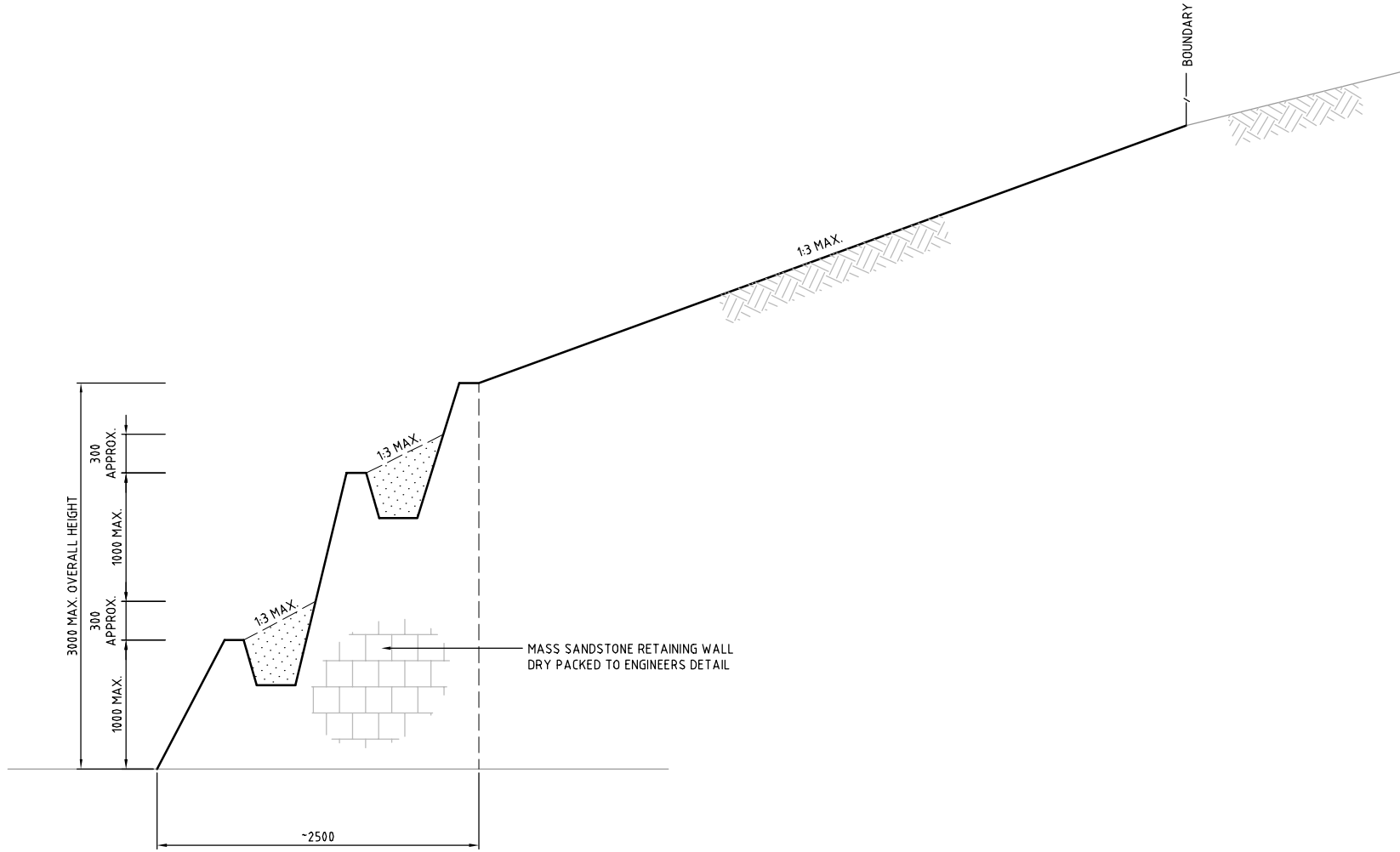
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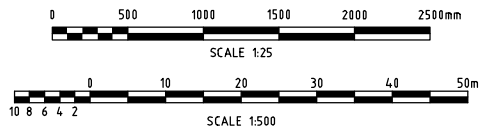
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SECTION 4  
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DETAIL - MASS SANDSTONE RETAINING WALL  
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NOT CONSTRUCTION ISSUE

XREF's: X-GRP-A1-SHT: X-SYD-A1-Logo  
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Rev	Date	Description	Drawn	Appr.
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3	8/03/2013	FOR APPROVAL	DH	GN
2	21/09/2012	FOR APPROVAL	DH	GN
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Drawn	DH	Date	1/08/2012
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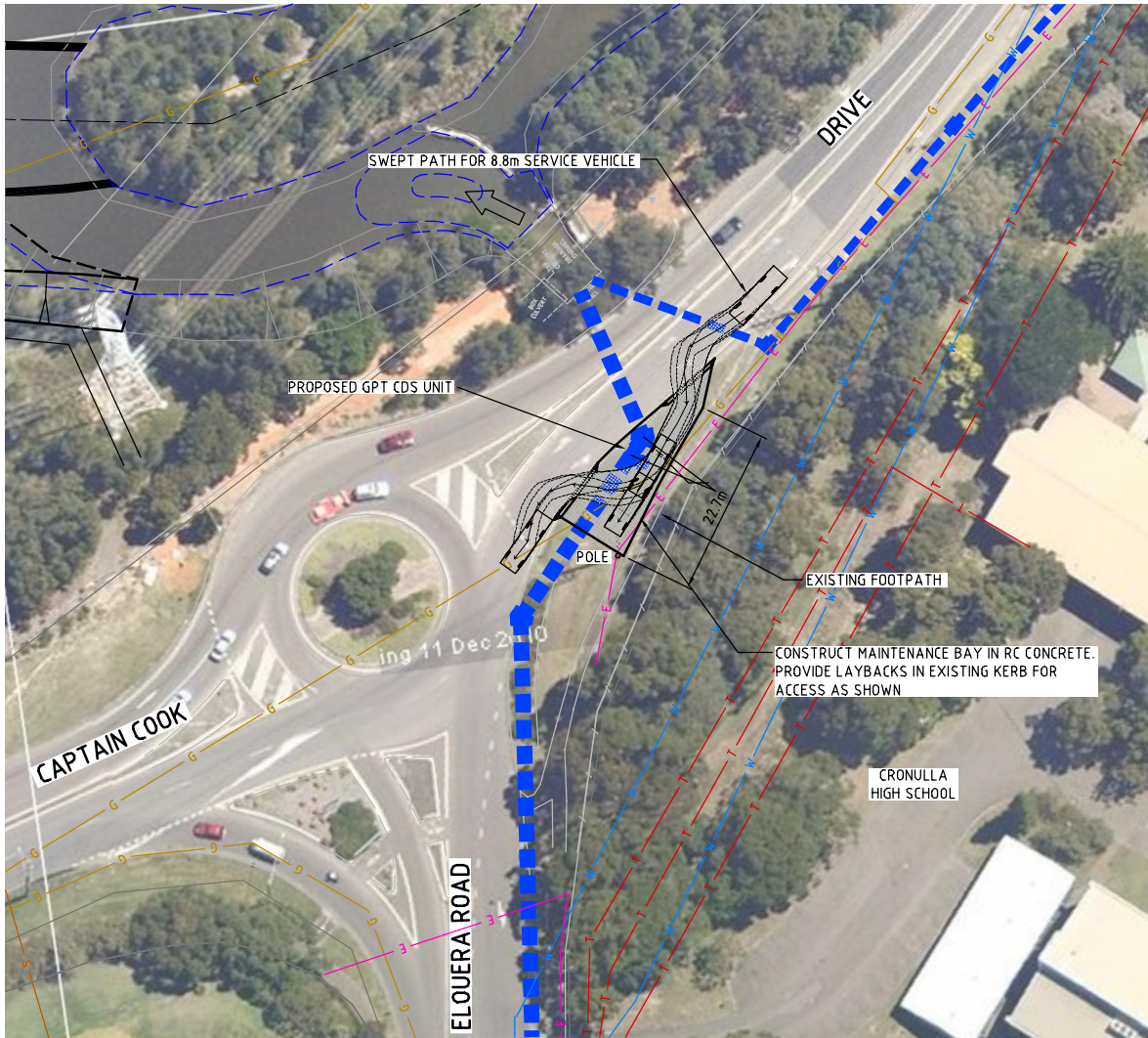
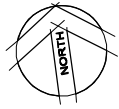
Client: **BREEN PROPERTY PTY LTD**

SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH

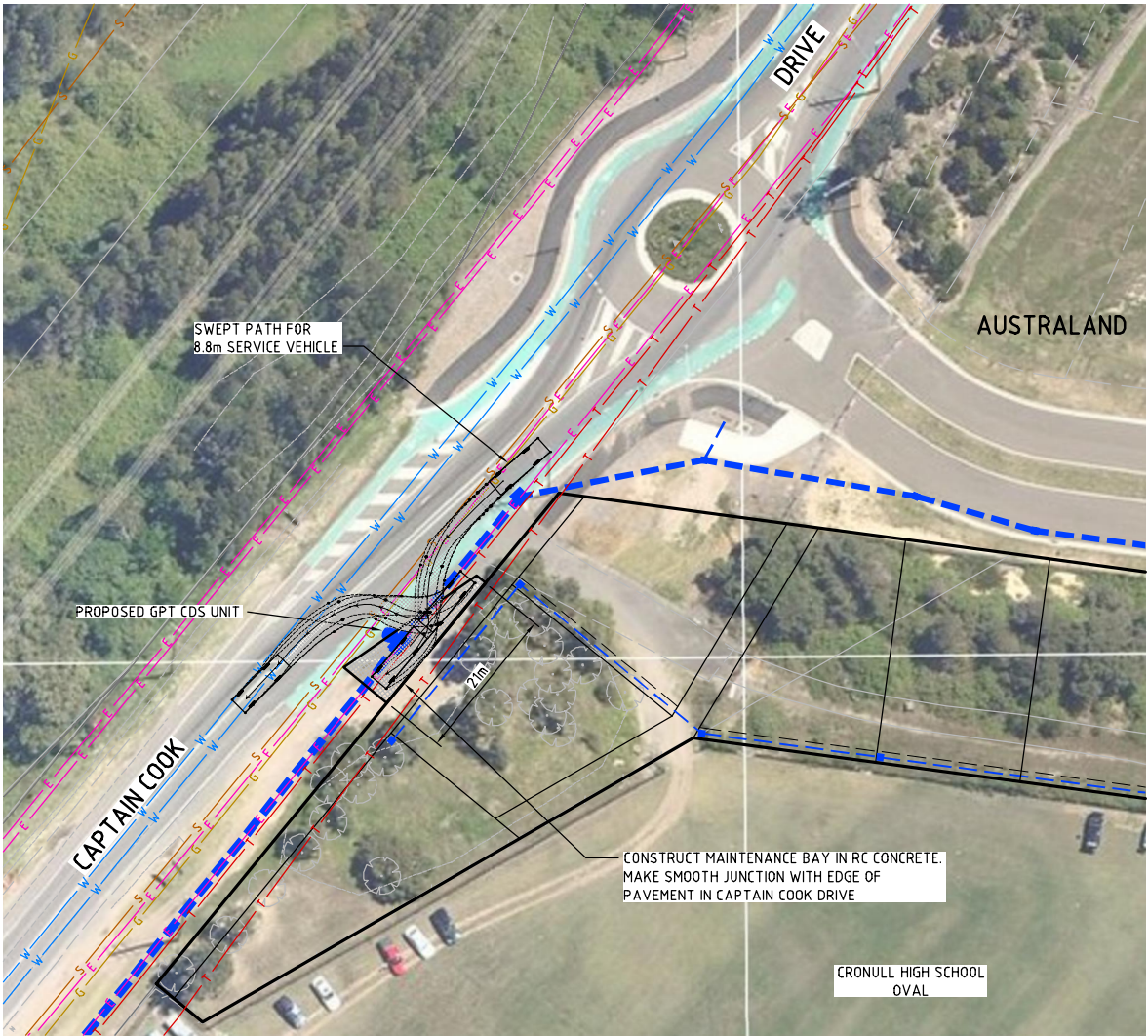
SITE SECTIONS - 3 of 3

Status							
NOT FOR CONSTRUCTION							
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Drawing Number						Revision	
600201-3067 <sub>73</sub>						4	

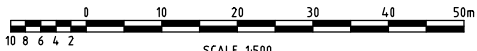




MAINTENANCE BAY FOR SERVICING GPT  
NEAR ELOURA ROAD



MAINTENANCE BAY FOR SERVICING GPT  
NEAR AUSTRALAND ENTRY



NOT CONSTRUCTION ISSUE

1	2/08/2012	FOR APPROVAL	DH	GN
Rev	Date	Description	By	Check
IRPP (Sydney East Region) Business Plan (21 March 2013) - (2012SYF065)				



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Drawn	DH	Date	1/08/2012
Checked	GN	Date	1/08/2012
Designed	GN	Date	1/08/2012
Verified		Date	
Approved		Date	

Client: **BREEN PROPERTY PTY LTD**  
SHEARWATER LANDING  
PROPOSED SUBDIVISION  
BATE BAY ROAD, GREENHILLS BEACH  
DETAILS OF  
MAINTENANCE BAYS FOR GPT

Status	NOT FOR CONSTRUCTION						
Date	1/08/2012	Datum	AHD	Scale	1:500	Size	A1
Drawing Number	600201-3070					Revision	1



D			
Status <b>NOT FOR CONSTRUCTION</b>			
Date 21/09/2012	Datum AHD	Scale 1:1000	Size A1
Drawing Number <b>600201-SK3001</b>			Revision <b>4</b>