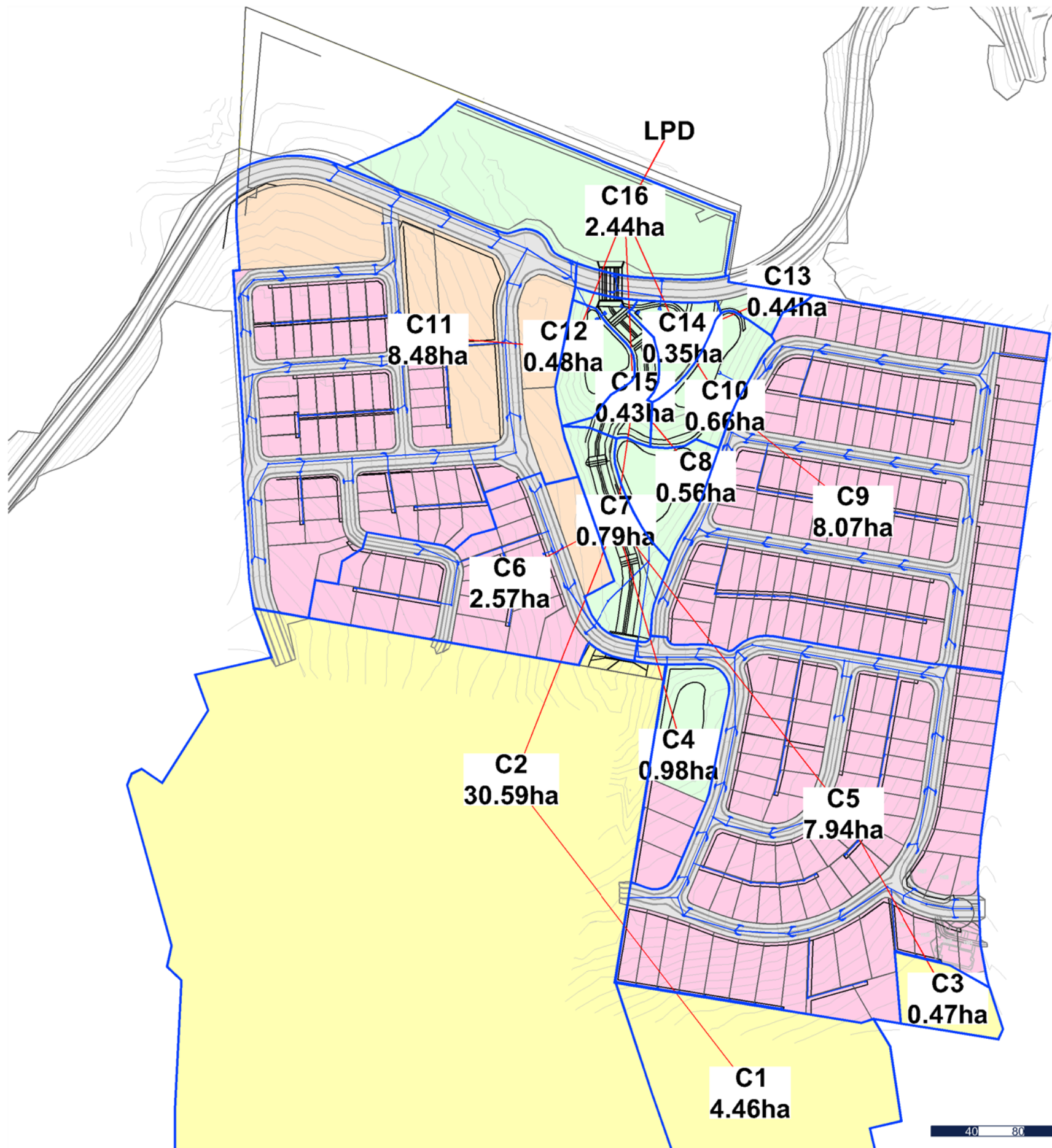
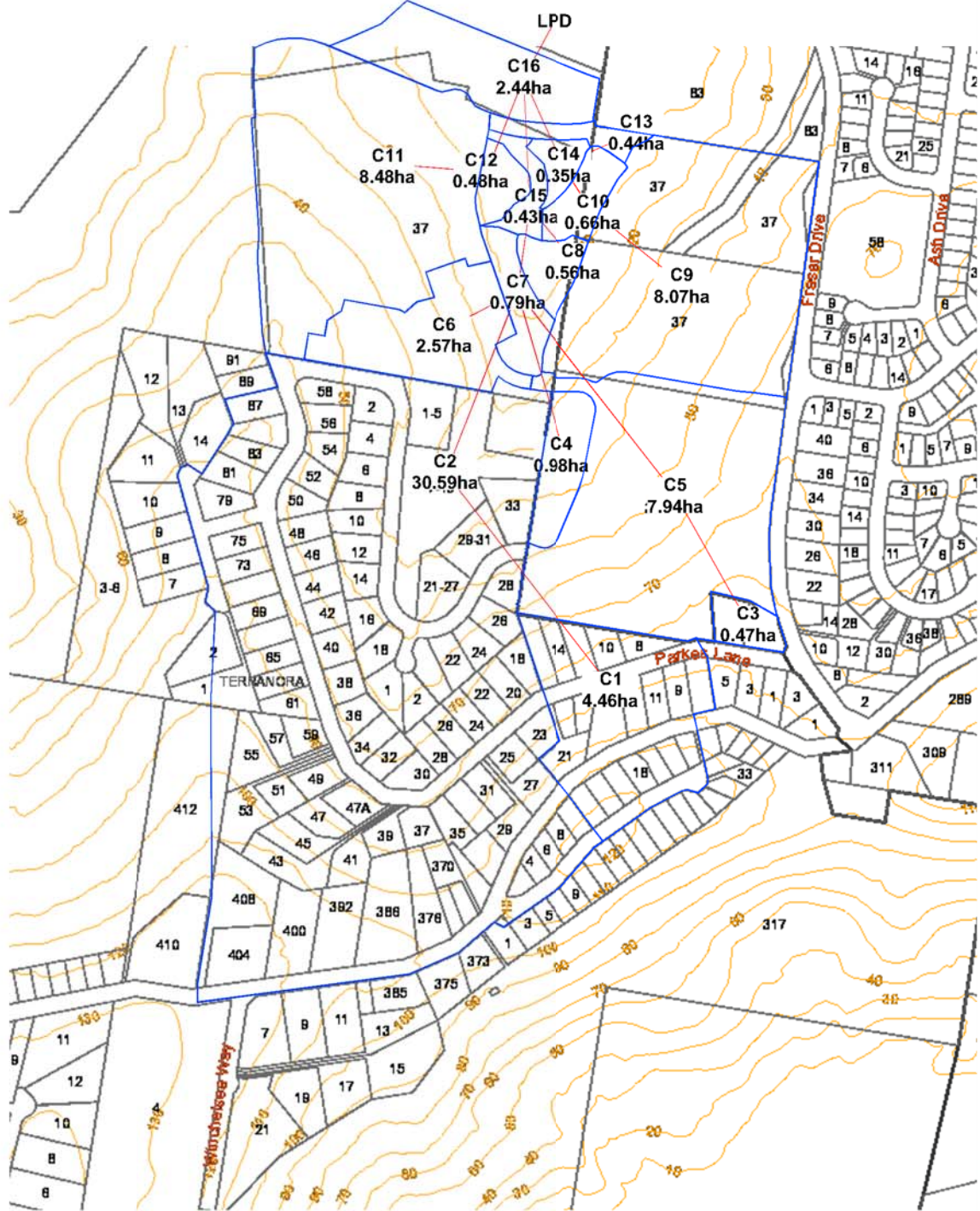




1:8 000@A3
100 200 300 400
metres

1:4 000@A3
40 80 120 160 200
metres

ORIENTATION
NORTH

SCALE
AS SHOWN

ROBINA
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Email robina@access.gs

07 5578 9944
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LEGEND

- Catchment boundary
- 2.5m contours
- Landuse - urban lots
- Landuse - urban roads
- Landuse - other urban
- Landuse - open space, parks & drainage easement
- Landuse - existing external residential development

SOURCES

Image base: Tweed Shire Council - PDOnline database

Base plan: BradLees Consulting
Received: 20/02/2013

Earthworks contours: BradLees Consulting
Received: 22/22/2013

PROJECT

ALTITUDE ASPIRE
FRASER DRIVE
TERRANORA
NEW SOUTH WALES

CLIENT

NEWLAND
DEVELOPERS
PTY LTD

DRAWING

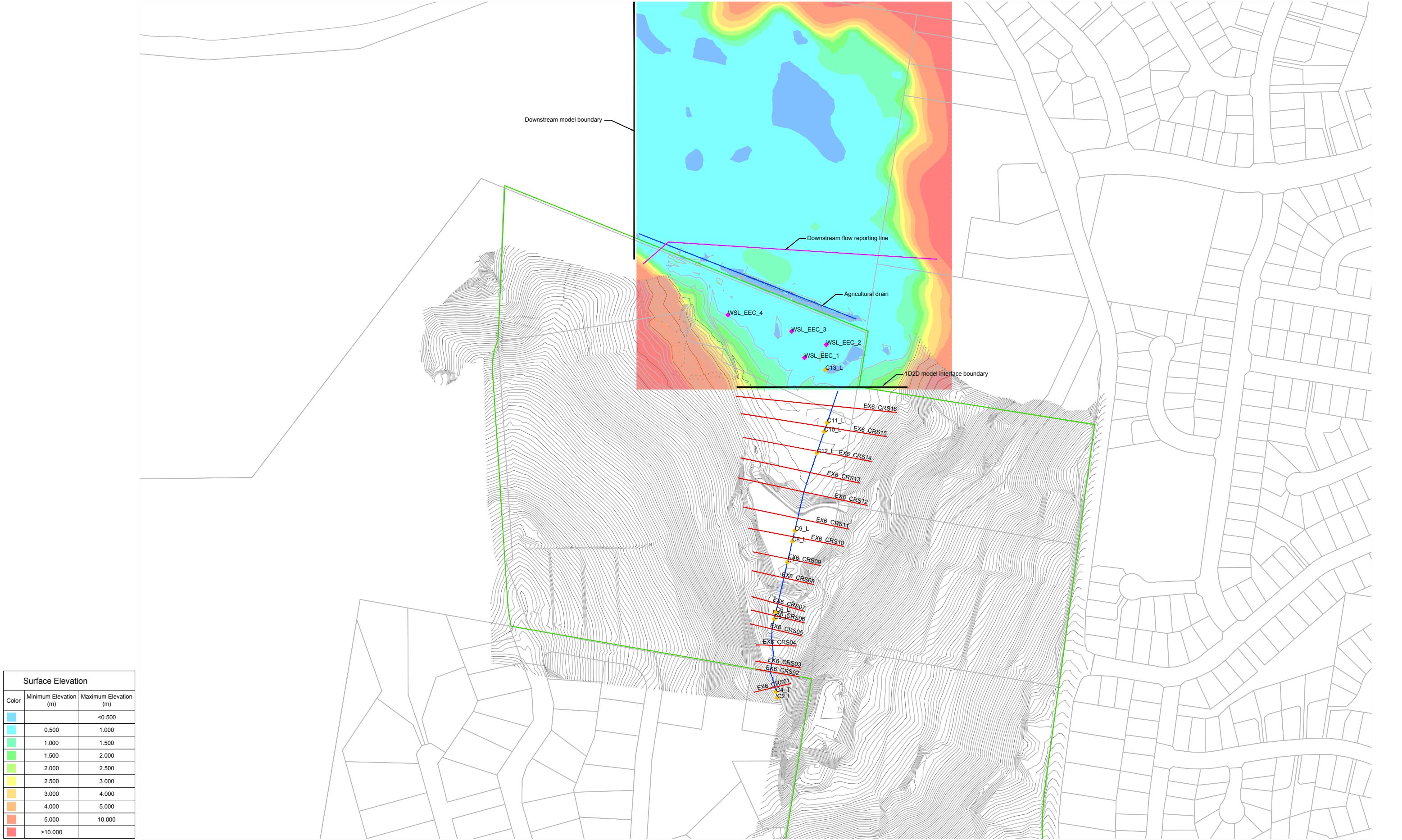
DEVELOPED CASE
CATCHMENTS,
LANDUSE & WBNM
MODEL LAYOUT

SCALE AS SHOWN
DATE 19/04/2013
DRAWN AJF
CHECKED CMA
PROJECT NO 10849
DRAWING NO 205

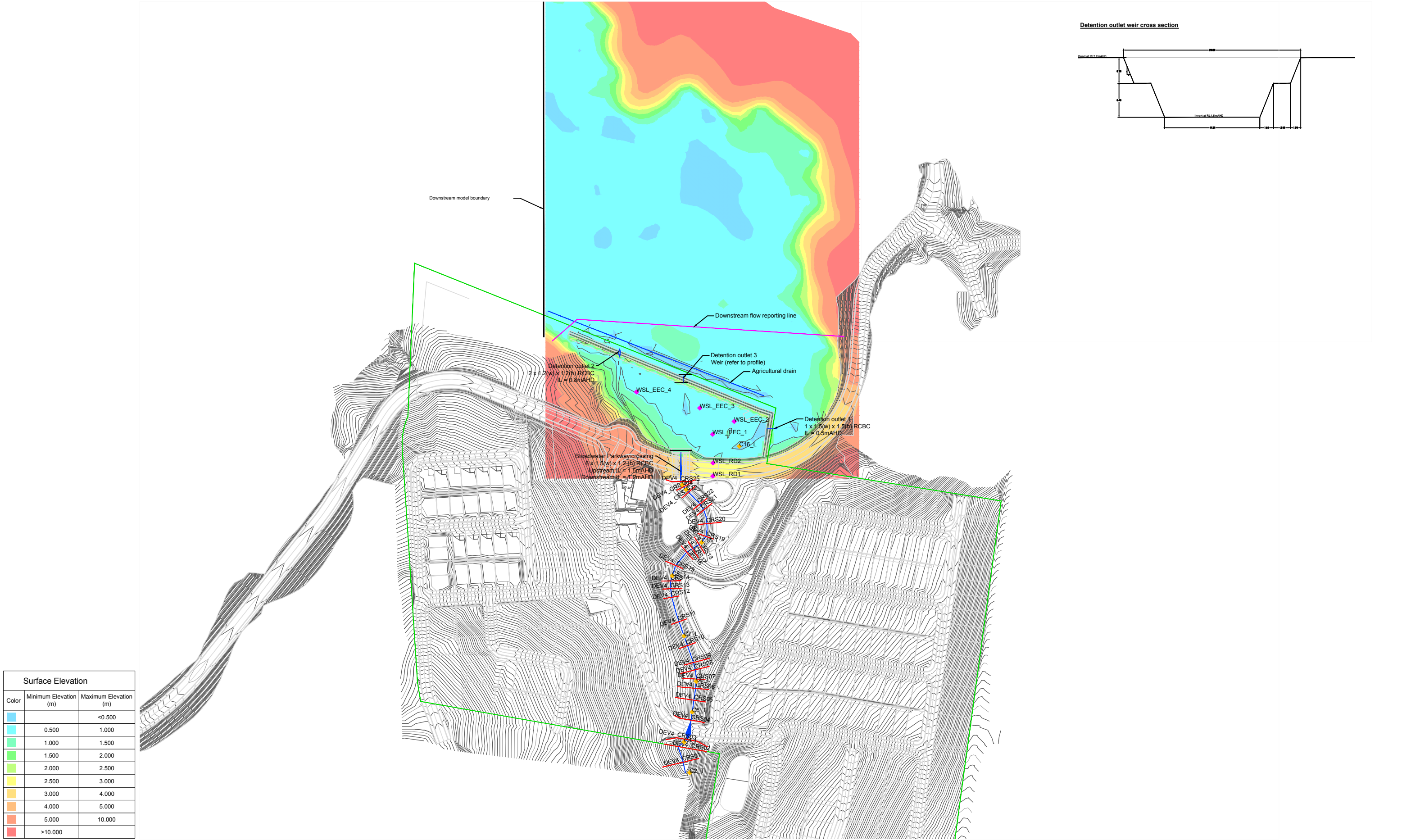
Brisbane Sydney Melbourne and regions

+GILBERT SUTHERLAND

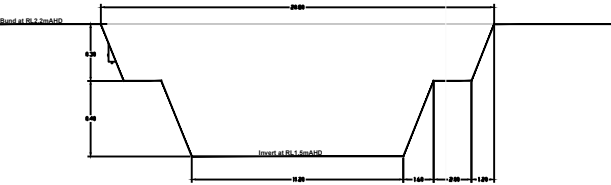
Agriculture. Water. Environment.



Surface Elevation		
Color	Minimum Elevation (m)	Maximum Elevation (m)
		<0.500
	0.500	1.000
	1.000	1.500
	1.500	2.000
	2.000	2.500
	2.500	3.000
	3.000	4.000
	4.000	5.000
	5.000	10.000
	>10.000	



Detention outlet weir cross section



Surface Elevation		
Color	Minimum Elevation (m)	Maximum Elevation (m)
■		<0.500
■	0.500	1.000
■	1.000	1.500
■	1.500	2.000
■	2.000	2.500
■	2.500	3.000
■	3.000	4.000
■	4.000	5.000
■	5.000	10.000
■	>10.000	



ORIENTATION
NORTH

SCALE



metres

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LEGEND

- Site boundary
- 0.5m contours
- 2.5m contours
- Channel centreline

- Cross sections
- ◆ Inflow location
- ◆ 2D Reporting point

SOURCES

Base plan: BradLees Consulting
Received: 20/02/2013

Earthworks contours: BradLees Consulting
Received: 22/22/2013

Background DCDB: supplied by B&P surveys
Received: 17/04/2013

PROJECT

ALTITUDE ASPIRE
FRASER DRIVE
TERRANORA
NEW SOUTH WALES

CLIENT

NEWLAND
DEVELOPERS
PTY LTD

DRAWING

DEVELOPED CASE
SOBEK MODEL
LAYOUT

SCALE
1:4 000@A3

DATE
23/04/2013

DRAWN
AJF

CHECKED
CMA

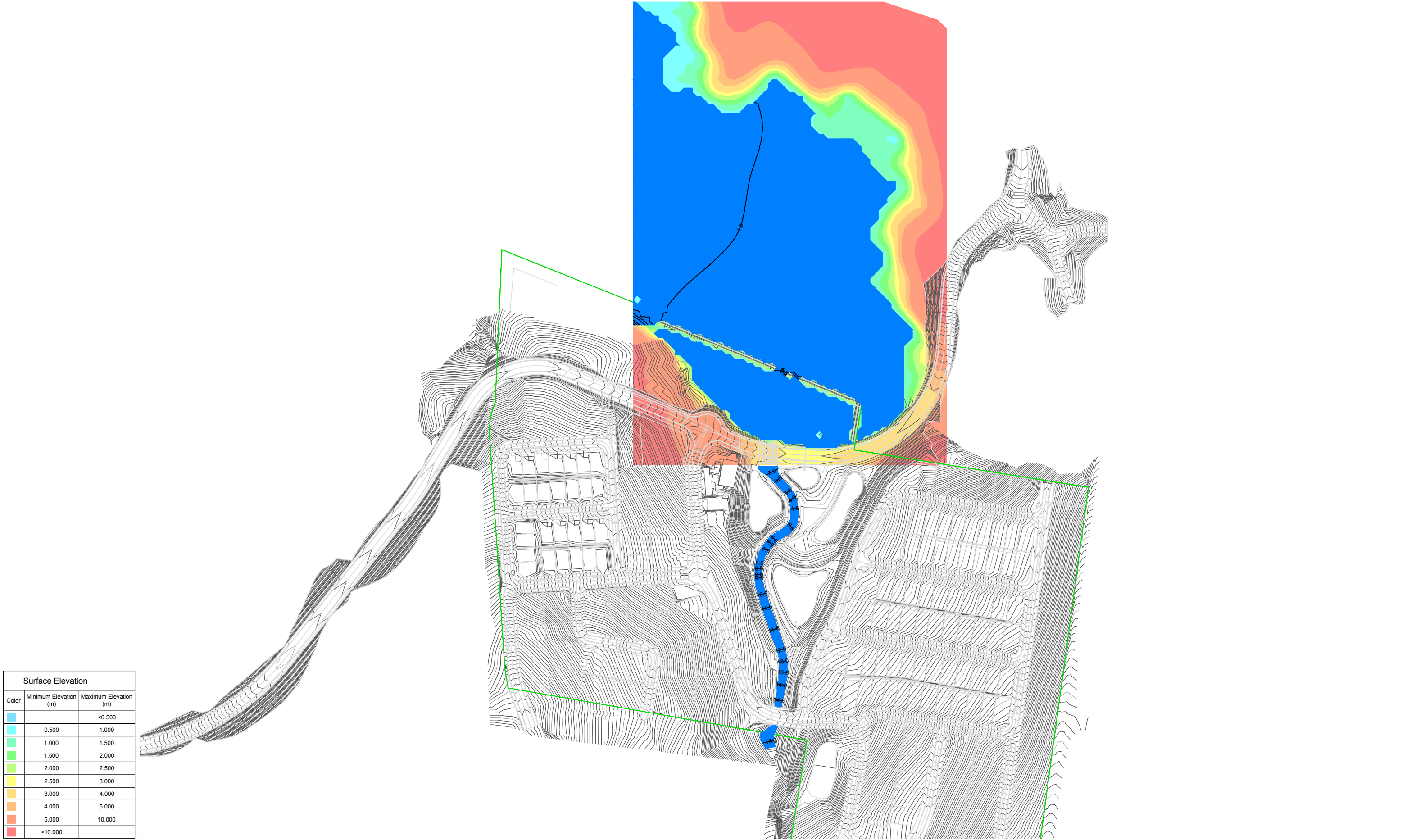
PROJECT NO
10849

DRAWING NO
207

Brisbane Sydney Melbourne and regions

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SUTHERLAND**

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Surface Elevation		
Color	Minimum Elevation (m)	Maximum Elevation (m)
		<0.500
	0.500	1.000
	1.000	1.500
	1.500	2.000
	2.000	2.500
	2.500	3.000
	3.000	4.000
	4.000	5.000
	5.000	10.000
	>10.000	

ORIENTATION
NORTH

SCALE

metres

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LEGEND

Site boundary

0.5m contours

2.5m contours

Channel centreline

Cross sections

Flood level contours

100 year ARI flood inundation extent

SOURCES

Base plan: BradLees Consulting
Received: 20/02/2013

Earthworks contours: BradLees Consulting
Received: 22/22/2013

Background DCDB: supplied by B&P surveys
Received: 17/04/2013

PROJECT

ALTITUDE ASPIRE
FRASER DRIVE
TERRANORA
NEW SOUTH WALES

CLIENT

NEWLAND
DEVELOPERS
PTY LTD

DRAWING

100 YEAR ARI
FLOOD INUNDATION
EXTENT

SCALE
1:4 000@A3

DATE
22/04/2013

DRAWN
AJF

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CMA

PROJECT NO
10849

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