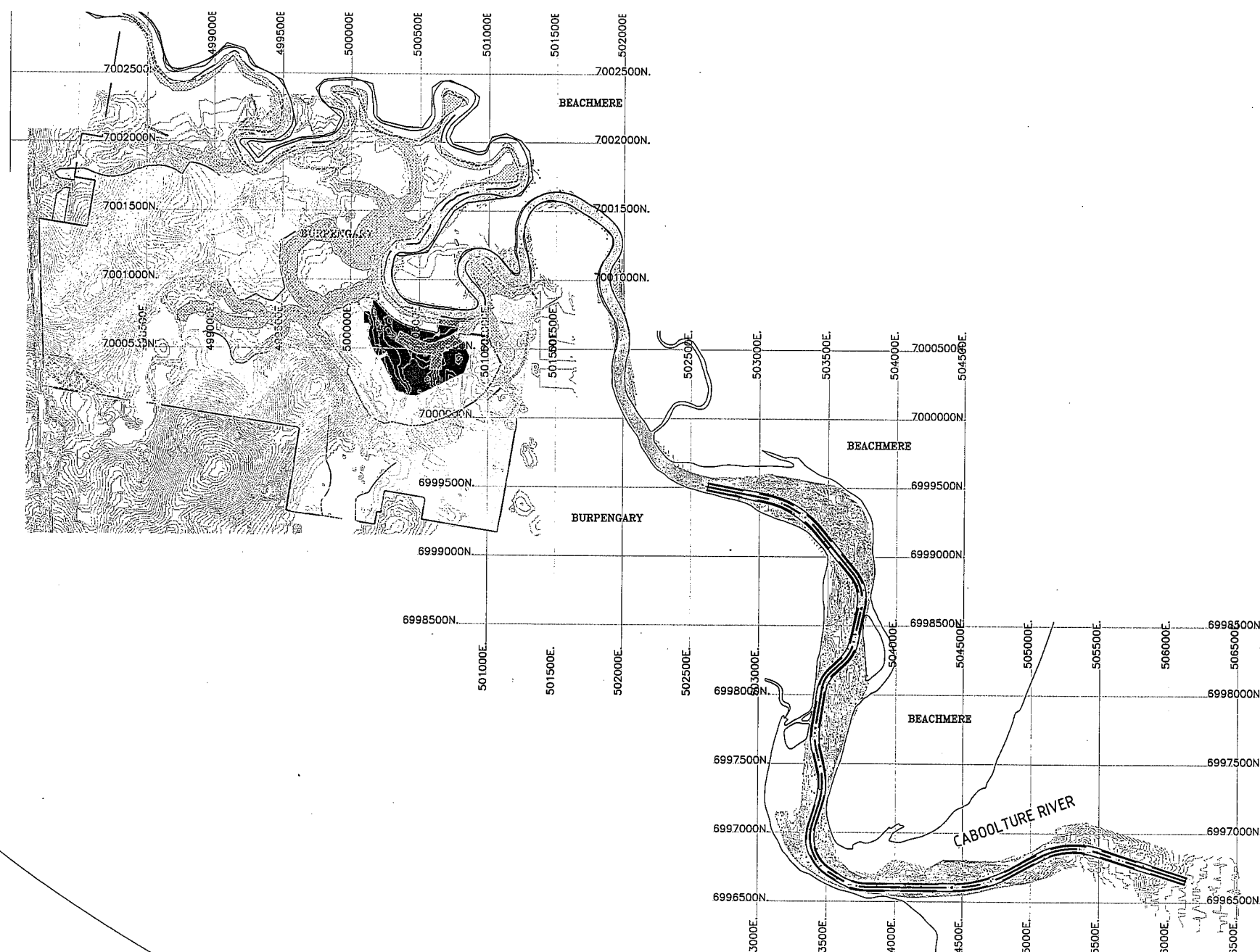


NORTHEAST BUSINESS PARK

CABOOLTURE RIVER DREDGING MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT



SITE PLAN
1:20000

Cardno (Qld) Pty Ltd
ABN 57 051 074 992

Level 1, 5 Gardner Close, Milton QLD 4064
PO Box 388, Toowong QLD 4066 Australia

Telephone: 07 3369 9822
Facsimile: 07 3369 9722

BURPENGARY

PROPOSED NORTHEAST
BUSINESS PARK

BURPENGARY

BEACHMERE

Edge of river

222

BEACHMERE

CABOOLTURE RIVER

NAVIGATION AID LOCATIONS
SPECIFIED BY THE HARBOUR MASTER

PROPOSED NAVIGATION AIDS - GDA94 MGA Zone 56

No.	NAV AID	EASTING	NORTHING
1.	STBD BCN	505818.000	6996864.000
2.	PORT BCN	505776.000	6996683.000
3.	STBD BCN	505391.000	6996926.000
4.	PORT BCN	505391.000	6996845.000
5.	STBD BCN	505028.000	6996844.000
6.	PORT BCN	505098.000	6996766.000
7.	STBD BCN	504604.000	6996657.000
8.	PORT BCN	504756.000	6996622.000
9.	STBD BCN	503879.000	6996660.000
10.	PORT BCN	503357.000	6996820.000
11.	STBD BCN	503641.000	6996686.000
12.	PORT BCN	503412.000	6997417.000
13.	STBD BCN	503509.000	6996785.000
14.	PORT BCN	503402.000	6997905.000
15.	STBD BCN	503448.000	6997007.000
16.	PORT BCN	503610.000	6998323.000
17.	STBD BCN	503460.000	6997679.000
18.	PORT BCN	503691.000	6998585.000
19.	STBD BCN	503518.000	6998078.000
20.	PORT BCN	503713.000	6998729.000
21.	STBD BCN	503705.000	6998309.000
22.	PORT BCN	503505.000	6999127.000
23.	STBD BCN	503695.000	6998908.000
24.	PORT BCN	503251.000	6999319.000
25.	STBD BCN	503464.000	6999231.000
26.	PORT BCN	502851.000	6999420.000
27.	STBD BCN	503343.000	6999343.000
28.	STBD BCN	503102.000	6999453.000
29.	PORT BCN	502633.000	6999551.000

LEGEND

Proposed and Existing Green
Navigation Beacon



Proposed and Existing Red
Navigation Beacon



Existing Yellow Navigation
Beacon



NOTE:

- Total dredging cut quantity is 545,300m³
- Total dredging area is 356,553m²
- Minimum depth of dredging is 0.000m
- Maximum depth of dredging is 3.210m

LAYOUT PLAN
Scale 1:10000

100 0 100 200 300 400 500m
SCALE BEFORE REDUCTION 1:10000

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DESIGNED: SB

DRAWN: SB

CHECKED: SB

RECOMMENDED: PROJ. MAN.

CAD FILE: LA7900-33/SUB 01/ACAD/7900-33-302.dwg

XREF: X-A1-B0-SHT FINAL; X-B0-Design 3; Caboolture_msa94

A1

DATUM: A.H.D.

APPROVED: PROJ. DIR.

REVISION: 1470

Rev: www.cardno.com.au



Cardno (Qld) Pty Ltd
Level 1, 5 Gardner Close, Milton 4054
P.O. Box 388, Toowoong 4066
Email: cardno@cardno.com.au
Web: www.cardno.com.au
ACN: 051 074 992

NORTHEAST
BUSINESS PARK

NORTHEAST BUSINESS PARK

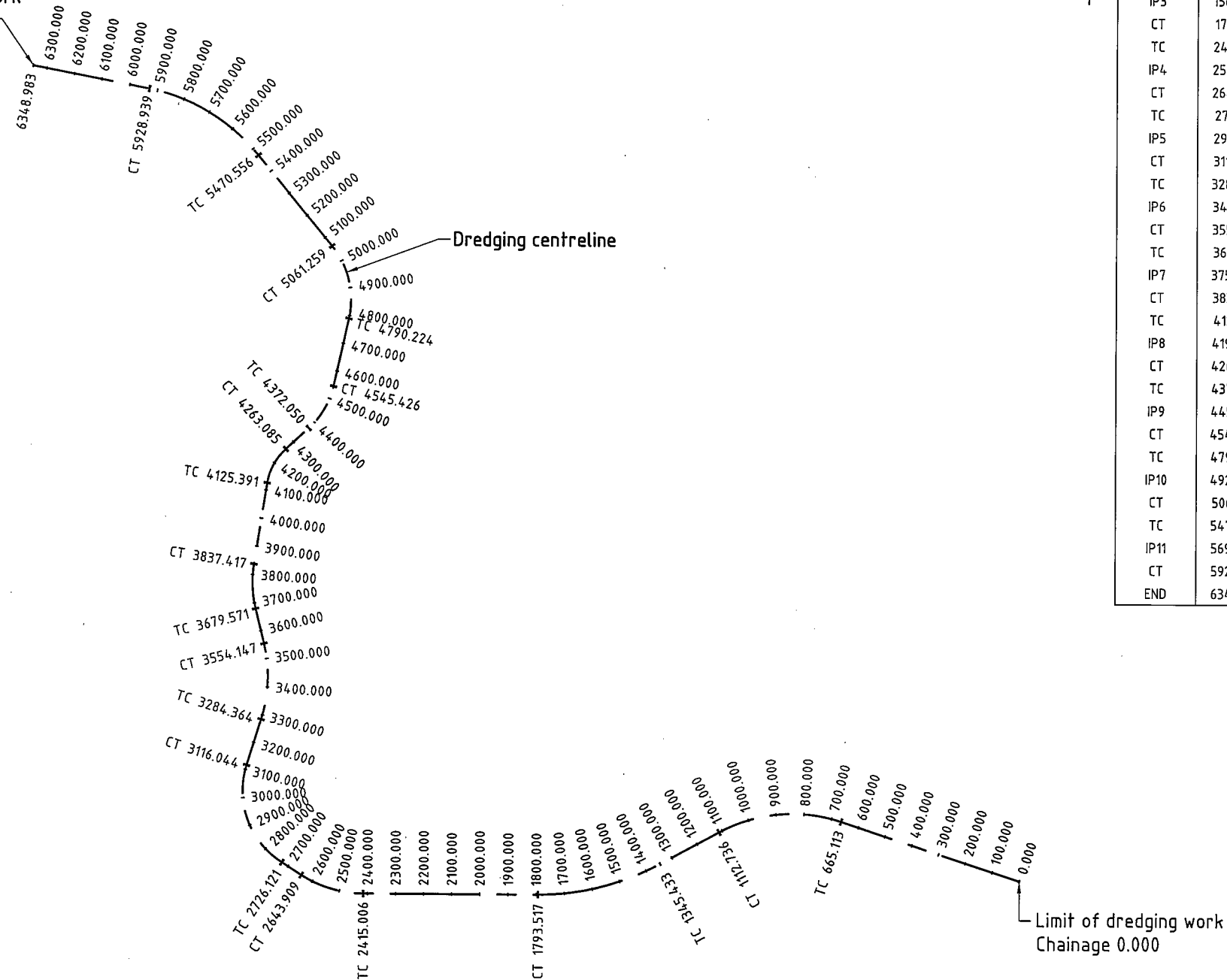
CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
LAYOUT PLAN

DATE: 19-10-2007

DRAWING No:

7900/33/01-302

Limit of dredging work
Chainage 6348.983



HORIZONTAL CENTRELINE CONTROL DETAILS

Pt	Chainage	Easting	Northing	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0.000	506125.109	6996658.439				
TC	665.113	505492.803	6996864.751	288°04'15"			
IP2	888.924	505267.453	6996938.280		550.000	-447.623	46°37'51"
CT	1112.736	505059.255	6996824.955	241°26'24"			
TC	1345.433	504854.873	6996713.708	241°26'24"			
IP3	1569.475	504653.925	6996604.330		-900.000	448.083	28°31'33"
CT	1793.517	504425.138	6996604.193	269°57'57"			
TC	2415.006	503803.648	6996603.824	269°57'57"			
IP4	2529.458	503685.968	6996603.754		-400.000	228.903	32°47'16"
CT	2643.909	503586.998	6996667.422	302°45'14"			
TC	2726.121	503517.858	6996711.901	302°45'14"			
IP5	2921.082	503326.108	6996835.257		-300.000	389.923	74°28'12"
CT	3116.044	503393.620	6997053.033	17°13'25"			
TC	3284.364	503443.460	6997213.805	17°13'25"			
IP6	3419.255	503484.400	6997345.867		500.000	-269.783	30°54'53"
CT	3554.147	503451.675	6997480.200	346°18'32"			
TC	3679.571	503421.988	6997602.061	346°18'32"			
IP7	3758.494	503403.062	6997679.752		-400.000	157.846	22°36'35"
CT	3837.417	503415.459	6997758.749	8°55'07"			
TC	4125.391	503460.104	6998043.240	8°55'07"			
IP8	4194.238	503471.198	6998113.933		-205.000	137.695	38°29'04"
CT	4263.085	503523.874	6998162.367	47°24'11"			
TC	4372.050	503604.087	6998236.118	47°24'11"			
IP9	4458.738	503669.945	6998296.670		285.000	-173.376	34°51'19"
CT	4545.426	503689.381	6998383.998	12°32'53"			
TC	4790.224	503742.565	6998622.949	12°32'53"			
IP10	4925.742	503774.188	6998765.027		300.000	-271.034	51°45'50"
CT	5061.259	503682.162	6998877.799	320°47'03"			
TC	5470.556	503423.386	6999194.910	320°47'03"			
IP11	5699.748	503272.362	6999379.980		660.000	-458.383	39°47'35"
CT	5928.939	503037.872	6999425.523	280°59'28"			
END	6348.983	502625.533	6999505.607				

CONTROL LAYOUT
Scale 1:1000

100 0 100 200 300 400 500m
SCALE BEFORE REDUCTION 1:10000

DATE PLOTTED: 20 November, 2007 - 3:52pm

Rv.	DATE	REVISIONS	REC.	APPR.

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DESIGNED: *SK*
DRAWN: *SK*
CHECKED: *SK*
RECOMMENDED: PROJ. MAN. *SK*
APPROVED: PROJ. DIR. *SK*
CAD FILE: L:\7900-33\SUB 01\ACAD\7900-33-01-303.dwg
XREF: X-A1-B0-SHT FINAL

A1 DATUM: A.H.D.

Cardno

Cardno (Old) Pty Ltd
Level 1, 5 Gardner Close, Milton 4084
P.O. Box 385, Toowoong 4066
Email: cardno@cardno.com.au
Web: www.cardno.com.au

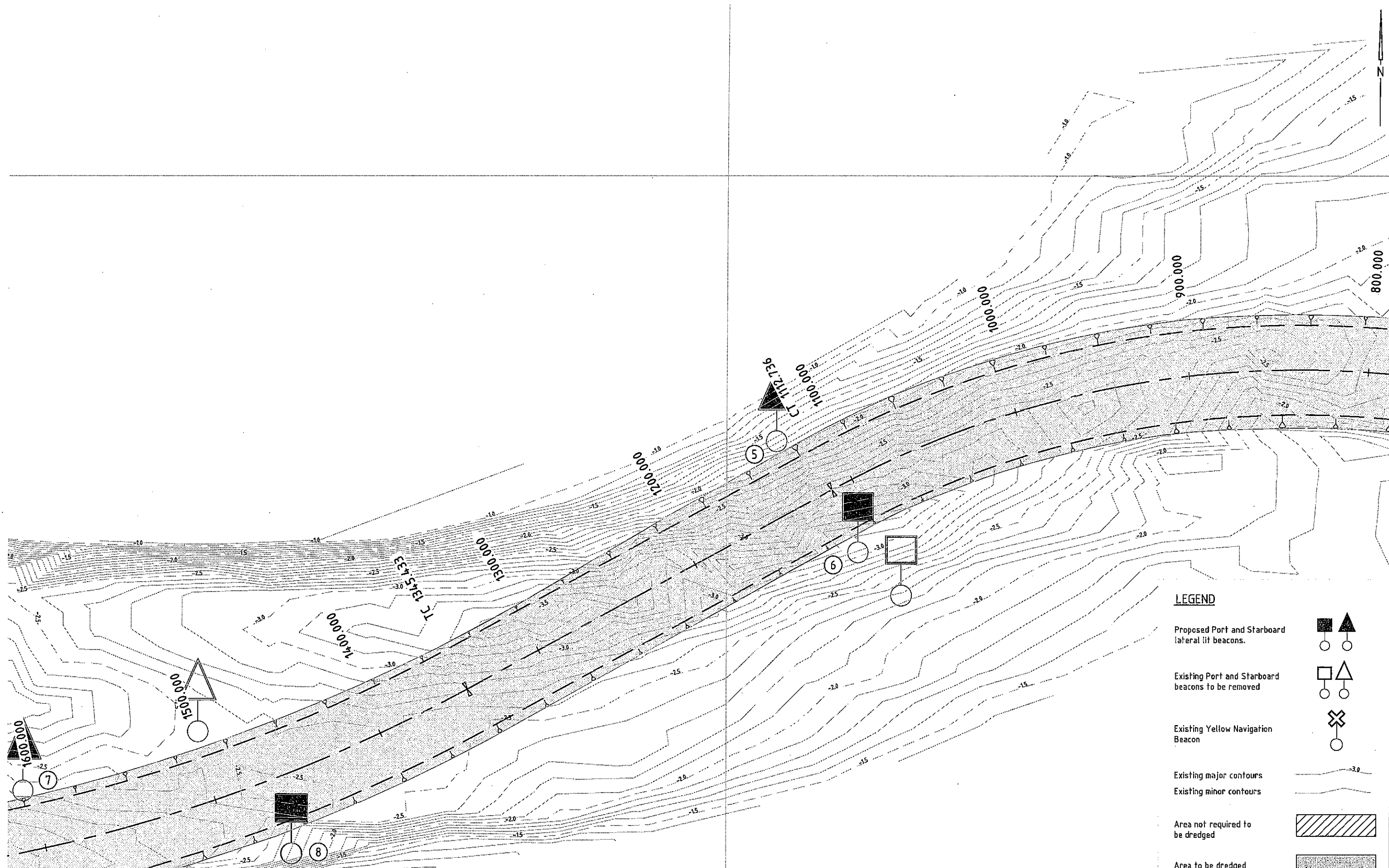
ACN: 051 074 992

NORTHEAST BUSINESS PARK

NORTHEAST BUSINESS PARK

CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
CENTRE LINE SETOUT

DATE: 19-10-2007
DRAWING No: **7900/33/01-303**
Rv.



LAYOUT PLAN
Scale 1:1000

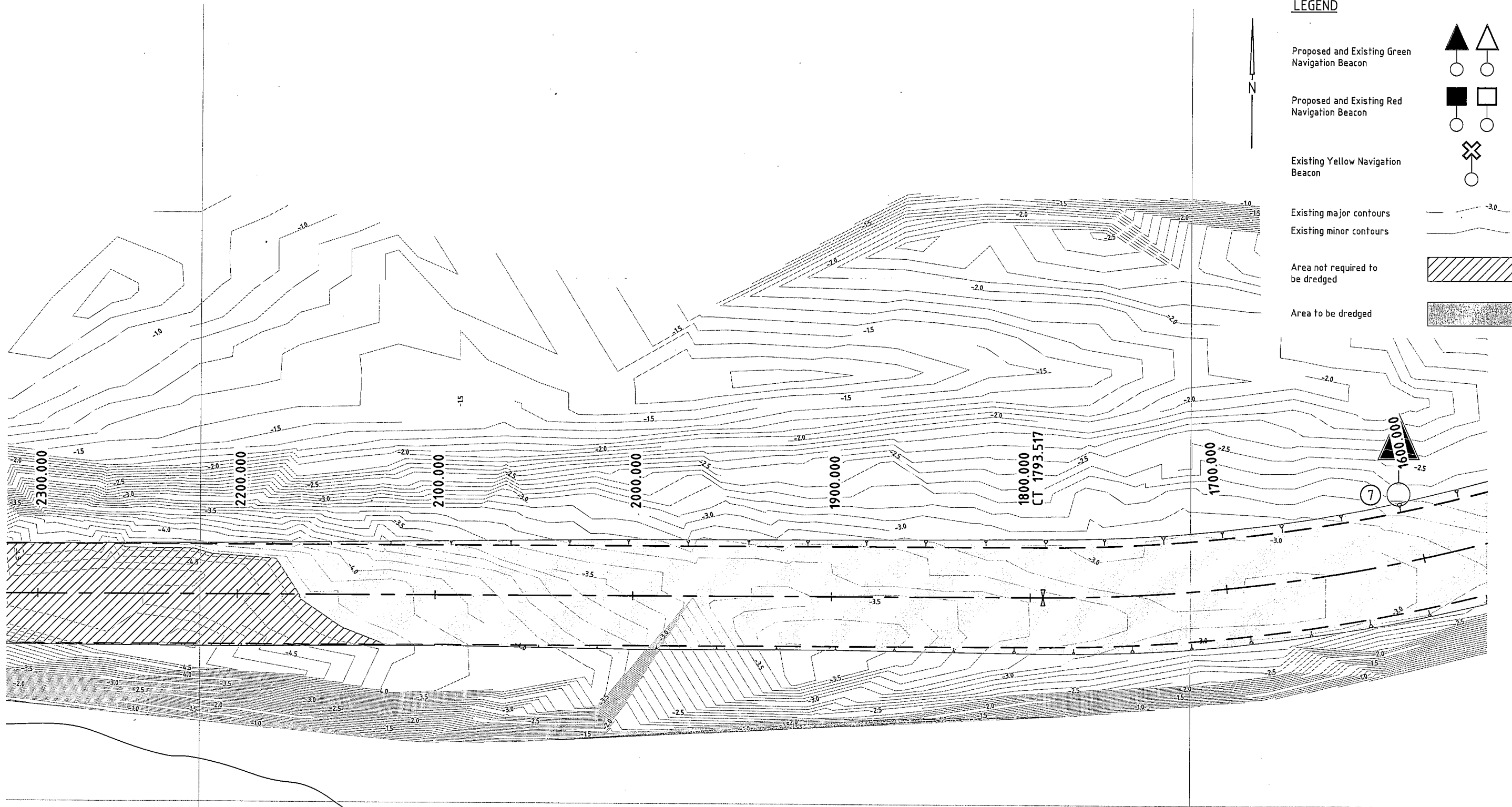
LEGEND

- Proposed Port and Starboard lateral lit beacons.
- Existing Port and Starboard beacons to be removed
- Existing Yellow Navigation Beacon
- Existing major contours
- Existing minor contours
- Area not required to be dredged
- Area to be dredged

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

DATE PLOTTED: 22 January, 2008 - 353pm

DESIGNED: <i>SB</i>		A1 DATUM: A.H.D.			Cardno (Qld) Pty Ltd Level 1, 5 Gardner Close, Ullian 4064 P.O. Box 388, Toowoong 4066 Email: cardno@cardno.com.au Web: www.cardno.com.au	ACN: 051 074 992		NORTHEAST BUSINESS PARK	CABOOLTURE RIVER DREDGING MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT LAYOUT PLAN - CH 800.000 - CH 1600.000 SHEET 2 OF 10	DATE: 19-10-2007	Rv.
DRAWN: <i>SB</i>		CHECKED: <i>SC</i>								DRAWING No:	7900/33/01-305
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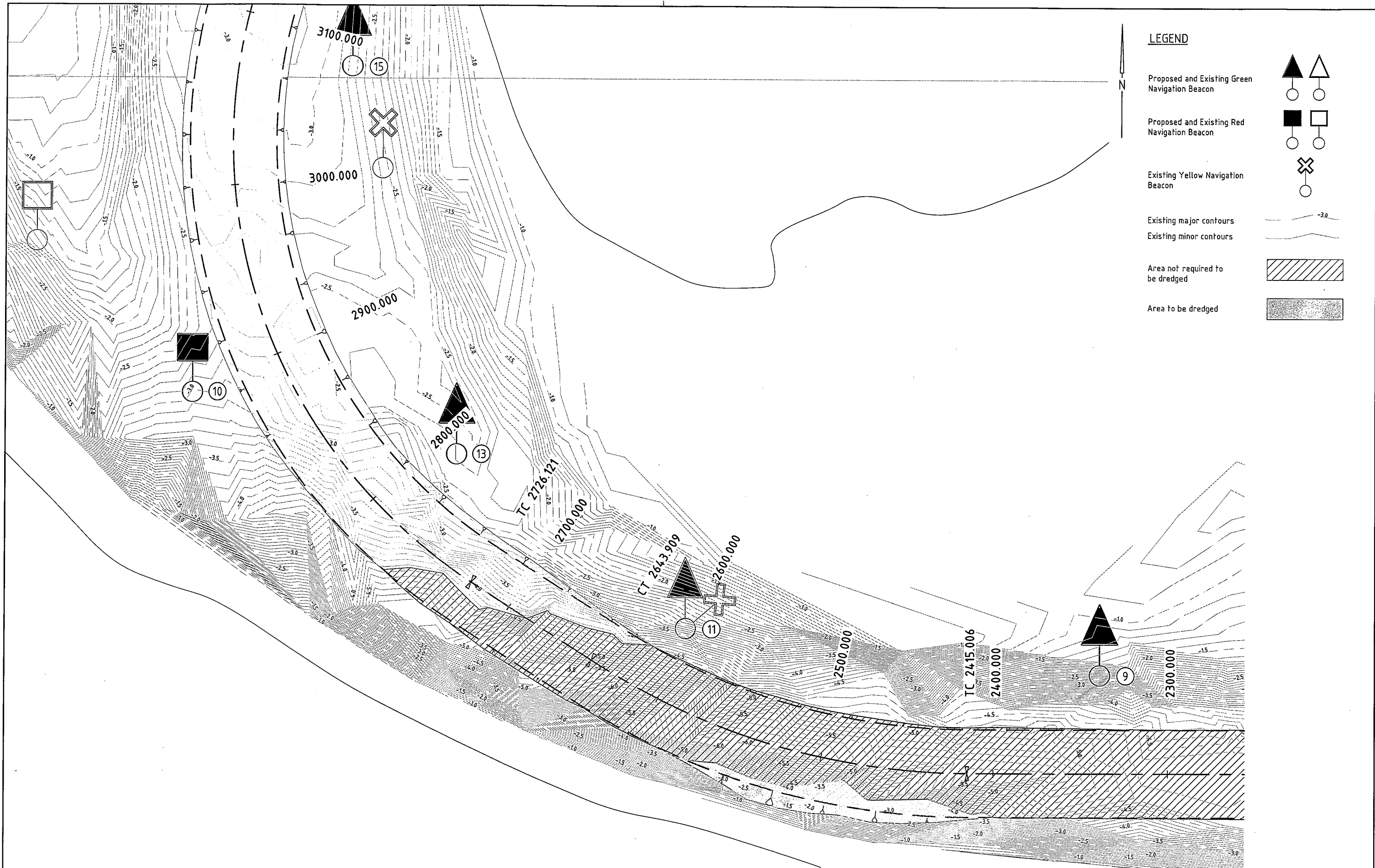
LAYOUT PLAN
Scale 1:1000

LEGEND

- Proposed and Existing Green Navigation Beacon
- Proposed and Existing Red Navigation Beacon
- Existing Yellow Navigation Beacon
- Existing major contours
- Existing minor contours
- Area not required to be dredged
- Area to be dredged

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

DATE PLOTTED: 20 November, 2007 - 3:50pm Rv. DATE REVISIONS REC. APPR.		© Cardno (Qld) Pty Ltd All Rights Reserved 2006. Copyright in the whole and every part of this drawing belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or on any media, to any person other than by agreement with Cardno (Qld) Pty Ltd. This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the contract. Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.		DESIGNED: <i>SS</i> DRAWN: <i>SS</i> CHECKED: <i>SS</i> RECOMMENDED: PROJ. MAN. <i>SS</i> APPROVED: PROJ. MGR. <i>SS</i> CAD FILE: LA7900-33/SUB 01/ACAD/7900-33-01-306.dwg XREF: X-BASE; EXISTING UNCLIPPED CONTOURS; X-A1-80-SHT FINAL; Caboolture.mxd Web: www.cardno.com.au		A1 DATUM: A.H.D. Cardno (Qld) Pty Ltd Level 1, 5 Gardner Close, Milton 4064 P.O. Box 388, Toowoomba 4066 Email: cardno@cardno.com.au ACN: 051 074 992		NORTHEAST BUSINESS PARK CABOOLTURE RIVER DREDGING MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT LAYOUT PLAN - CH 1600.000 - CH 2300.000 SHEET 3 OF 10		DATE: 19-10-2007 DRAWING No: 7900/33/01-306 Rv.	
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LAYOUT PLAN
Scale 1:1000

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

DATE PLOTTED: 20 November, 2007 - 3:53pm

Rv.	DATE	REVISIONS	REC.	APPR.

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DRAWN: *SS*
CHECKED: *SS*
RECOMMENDED: PROJ. MAN. *SS*
APPROVED: PROJ. MGR. *SS*
CAD FILE: L:\1790-33\SUB 01\Acad\1790-33-307.dwg
XREF's: X-Base; EXISTING UNCLIPPED CONTOURS; X-A1-B0-SHT FINAL; Caboolture.mxd

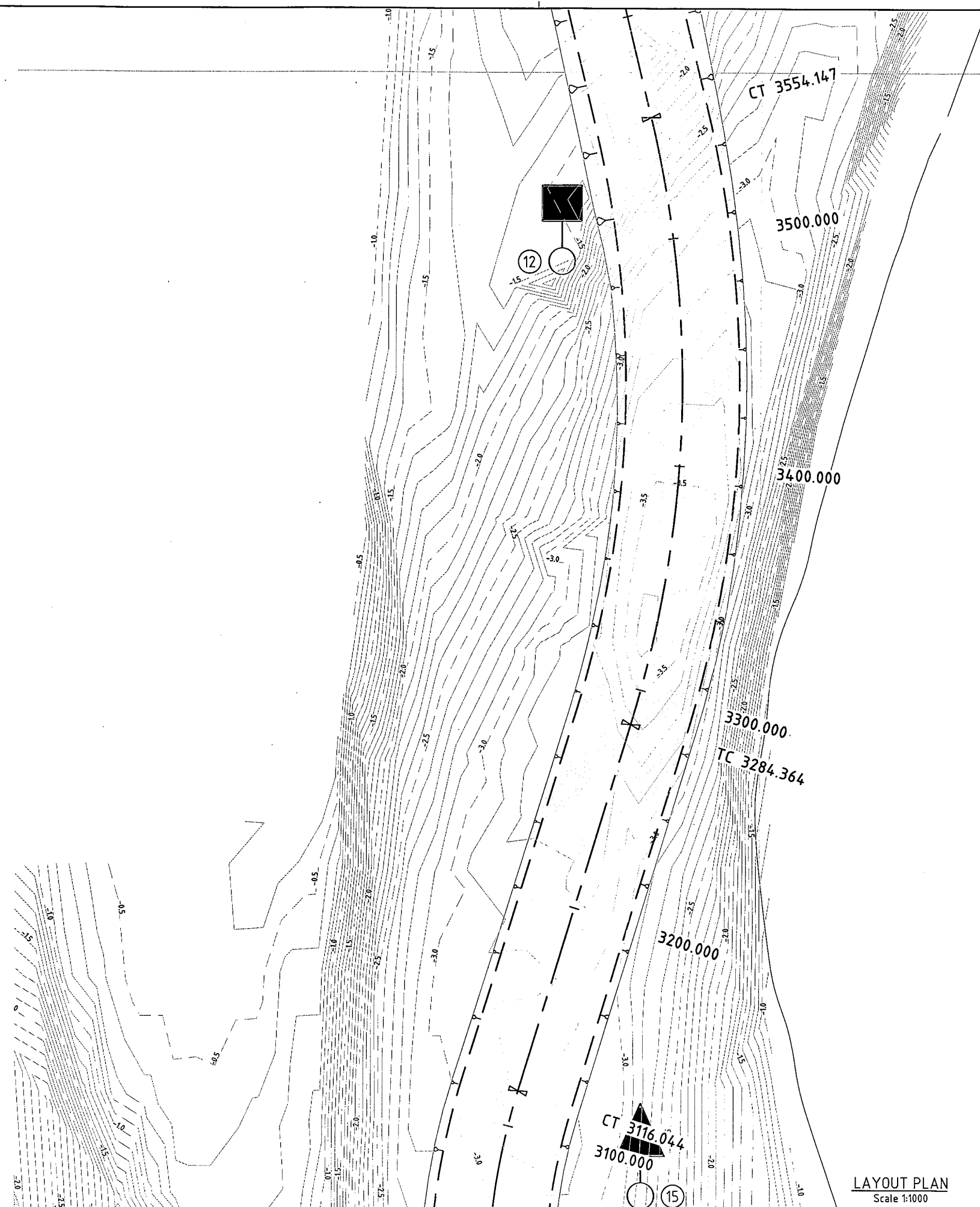
A1 DATUM: A.H.D.

Cardno
Cardno (Qld) Pty Ltd
Level 1, 5 Gordon Close, Milton 4064
P.O. Box 368, Toowoong 4068
Email: cardno@cardno.com.au
Web: www.cardno.com.au
ACN: 051 074 992

NORTHEAST BUSINESS PARK

NORTHEAST BUSINESS PARK
CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
LAYOUT PLAN - CH2300.000 - CH3100.000
SHEET 4 OF 10

DATE: 19-10-2007
DRAWING No: 7900/33/01-307
Rv.



LEGEND

- Proposed and Existing Green Navigation Beacon
- Proposed and Existing Red Navigation Beacon
- Existing Yellow Navigation Beacon
- Existing major contours
- Existing minor contours
- Area not required to be dredged
- Area to be dredged

LAYOUT PLAN
Scale 1:1000

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

DATE PLOTTED: 20 November, 2007 - 5:52pm

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CHECKED: *SS*
RECOMMENDED: PROJ. MAN. *Sturges*
APPROVED: PROJ. DIR. *G.W. [Signature]*
RPEQ: 1470
CAD FILE: LAYPLAN-33/SUB 01/ACAD/3300/01-308.dwg
XREF: X-Base; EXISTING UNCLIPPED CONTOURS; X-A1-80-SHT FINAL; Caboolture map

A1 DATUM: A.H.D.

Cardno
Cardno (Qld) Pty Ltd
Level 1, 5 Gardner Close, Milton 4064
P.O. Box 386, Toowoong 4066
Email: cardno@cardno.com.au
Web: www.cardno.com.au
ACN: 051 074 992

NORTHEAST BUSINESS PARK

NORTHEAST BUSINESS PARK
CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
LAYOUT PLAN - CH 3100.000 - CH 3554.147
SHEET 5 OF 10

DATE: 19-10-2007
DRAWING No: 7900/33/01-308
Rv.

DATE PLOTTED: 20 November 2007 - 3:52pm



LEGEND

- Proposed and Existing Green Navigation Beacon
- Proposed and Existing Red Navigation Beacon
- Existing Yellow Navigation Beacon
- Existing major contours
- Existing minor contours
- Area not required to be dredged
- Area to be dredged

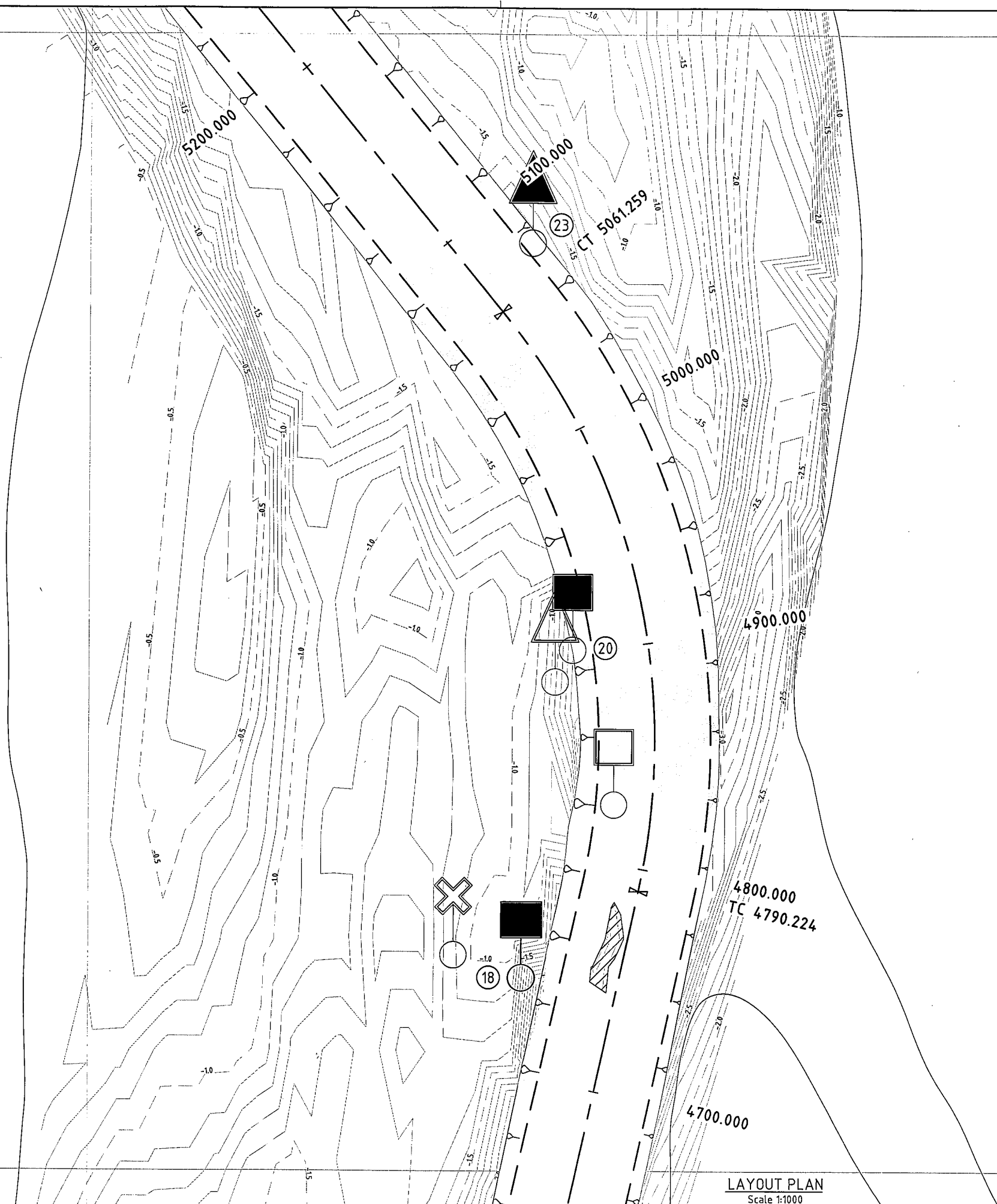
LAYOUT PLAN
Scale 1:1000

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

DESIGNED: <i>[Signature]</i>		DRAWN: <i>[Signature]</i>		CHECKED: <i>[Signature]</i>		RECOMMENDED: PROJ. MAN. <i>[Signature]</i>		APPROVED: PROJ. DIR. <i>[Signature]</i>		CAD FILE: L:\7900-33\SUB 01\ACAD\7900-33-01-309.dwg		XREF'S: X-A1-B0-SHT FINAL; X-B01-EXISTING UNCLIPPED CONTOURS; Caboolture.mxd	
A1		DATUM: A.H.D.		Cardno (Qld) Pty Ltd		ACN: 051 074 992		NORTHEAST BUSINESS PARK		CABOOLTURE RIVER DREDGING		MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT	
LAYOUT PLAN - CH 3554.147 - CH 4100.000		SHEET 6 OF 10		DATE: 19-10-2007		DRAWING No: 7900/33/01-309		Rv.		Rv.		Rv.	

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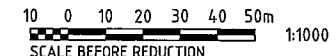
DATE PLOTTED: 20 November, 2007 - 3:52pm



LEGEND

- Proposed and Existing Green Navigation Beacon
- Proposed and Existing Red Navigation Beacon
- Existing Yellow Navigation Beacon
- Existing major contours
- Existing minor contours
- Area not required to be dredged
- Area to be dredged

LAYOUT PLAN
Scale 1:1000



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NPEQ: 1470

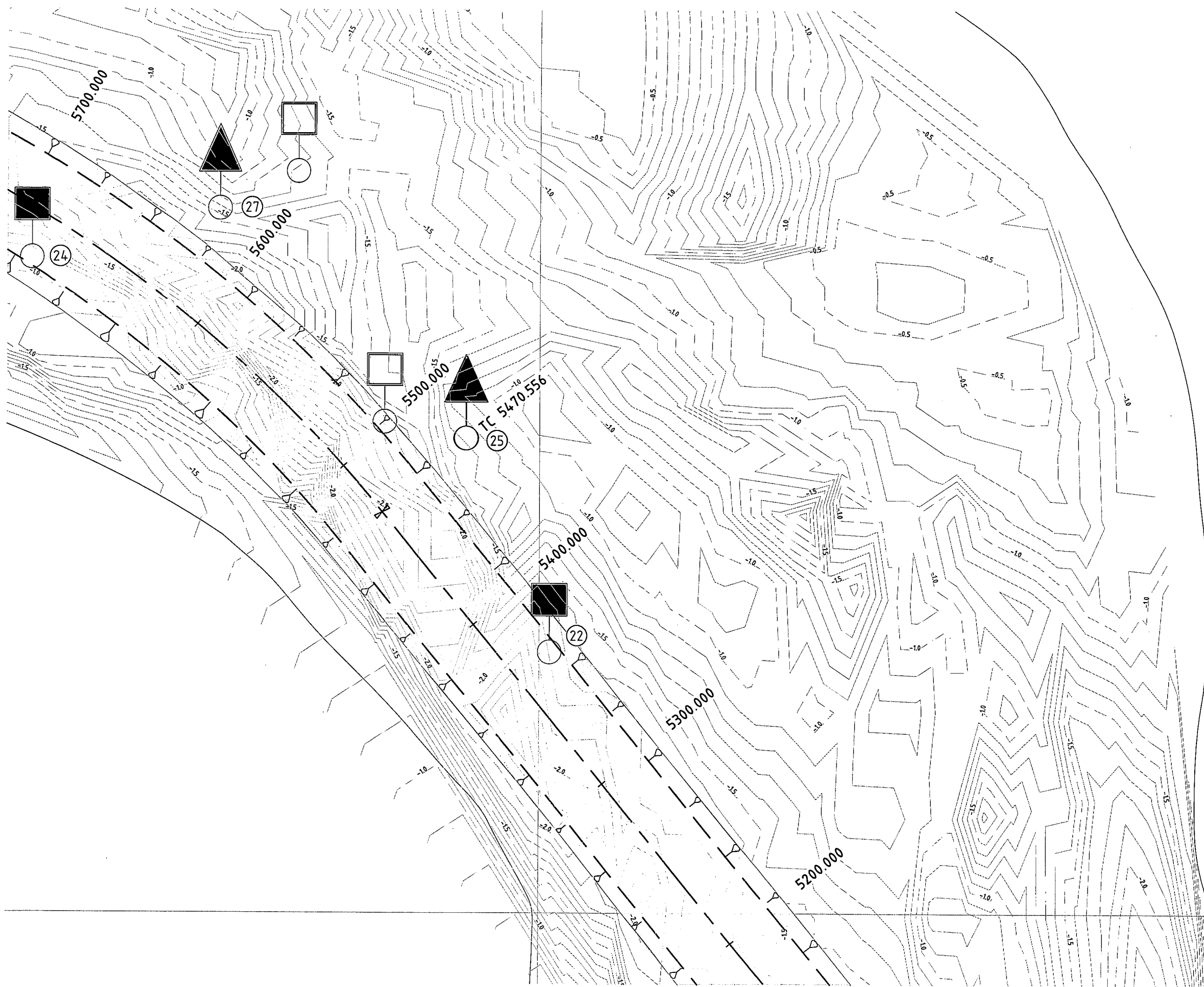
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XREF's: X-A1-B0-SHT FINAL; EXISTING UNCLIPPED CONTOURS; X-Base; Caboolture.mxd

Cardno
Cardno (Qld) Pty Ltd
Level 1, 5 Gardner Close, Milton 4064
P.O. Box 388, Toowong 4066
Email: cardno@cardno.com.au
Web: www.cardno.com.au
ACN: 051 074 892

NORTHEAST BUSINESS PARK

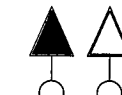
NORTHEAST BUSINESS PARK
CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
LAYOUT PLAN - CH 4700.000 - CH 5200.000
SHEET 8 OF 10

DATE: 19-10-2007
DRAWING No:
7900/33/01-311

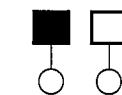


LEGEND

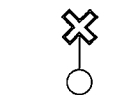
Proposed and Existing Green Navigation Beacon



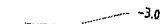
Proposed and Existing Red Navigation Beacon



Existing Yellow Navigation Beacon



Existing major contours



Existing minor contours



Area not required to be dredged



Area to be dredged



LAYOUT PLAN
Scale 1:1000

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

DATE PLOTTED: 20 November, 2007 - 3:52pm

REV.	DATE	REVISIONS	REC.	APPR.

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DRAWN: *SK*
CHECKED: *SK*
RECOMMENDED: PROJ. MAN. *SK*
APPROVED: PROJ. MGR. *SK*
CAD FILE: L:\1990-33\SUB 01\A\cardno\1990-33-312.dwg
XREF: X-Base: EXISTING UNCLIPPED CONTOURS; X-A1-BD-SHT FINAL; Caboolture.mxd

Cardno
Cardno (Qld) Pty Ltd
Level 1, 5 Gardner Close, Milton 4064
P.O. Box 388, Toowoong 4066
Email: cardno@cardno.com.au
Web: www.cardno.com.au
ACN: 051 074 992

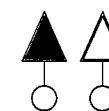
NORTHEAST BUSINESS PARK

NORTHEAST BUSINESS PARK
CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
LAYOUT PLAN - CH 5200.000 - CH 5700.000
SHEET 9 OF 10

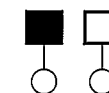
DATE: 19-10-2007
DRAWING No: 7900/33/01-312
Rv.

LEGEND

Proposed and Existing Green Navigation Beacon



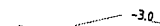
Proposed and Existing Red Navigation Beacon



Existing Yellow Navigation Beacon



Existing major contours



Existing minor contours



Area not required to be dredged



Area to be dredged



LAYOUT PLAN
Scale 1:1000

10 0 10 20 30 40 50m
SCALE BEFORE REDUCTION 1:1000

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DESIGNED: SB

DRAWN: SB

CHECKED: RC

RECOMMENDED: PROJ. MAN.

APPROVED: PROJ. DIR.

CAD FILE: LA7900-33/SUB 01/Access/19-10-2007-313.dwg

XREF: X-BASE, EXISTING UNCLIPPED CONTOURS; X-A1-BD-SHT FINAL; Caboolture.mxd

A1

DATUM: A.H.D.



Cardno (Qld) Pty Ltd

Level 1, 5 Cardner Close, Milton 4054

P.O. Box 386, Toowong 4066

Email: cardno@cardno.com.au

Web: www.cardno.com.au

ACN: 051 074 992

NORTHEAST BUSINESS PARK

NORTHEAST BUSINESS PARK

CABOOLTURE RIVER DREDGING

MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT

LAYOUT PLAN - CH 5700.000 - CH 6348.983

SHEET 10 OF 10

DATE: 19-10-2007

DRAWING No:

7900/33/01-313

Rv.

CH 800.000
Design RL -4.250

Datum RL -6.5

CH 700.000
Design RL -4.250

Datum RL -6.5

CH 600.000
Design RL -4.250

Datum RL -6.5

CH 500.000
Design RL -4.250

Datum RL -6.5

CH 400.000
Design RL -4.250

Datum RL -6.5

CH 300.000
Design RL -4.250

Datum RL -6.5

CH 200.000
Design RL -4.250

Datum RL -6.5

CH 100.000
Design RL -4.250

Datum RL -6.5

CH 0.000
Design RL -2.250

Datum RL -6.0

CH 1700.000
Design RL -4.250

Datum RL -6.5

CH 1600.000
Design RL -4.250

Datum RL -6.5

CH 1500.000
Design RL -4.250

Datum RL -6.5

CH 1400.000
Design RL -4.250

Datum RL -6.5

CH 1300.000
Design RL -4.250

Datum RL -6.5

CH 1200.000
Design RL -4.250

Datum RL -6.5

CH 1100.000
Design RL -4.250

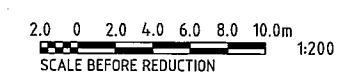
Datum RL -6.5

CH 1000.000
Design RL -4.250

Datum RL -6.5

CH 900.000
Design RL -4.250

Datum RL -6.5



DATE PLOTTED: 20 November, 2007 - 3:59pm

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REV.	DATE	REVISIONS	REC.	APPR.				

CH 2600.000
Design RL -4.250

Datum RL -8.5

CH 2500.000
Design RL -4.250

Datum RL -8.0

CH 2400.000
Design RL -4.250

Datum RL -8.0

CH 2300.000
Design RL -4.250

Datum RL -7.0

CH 2200.000
Design RL -4.250

Datum RL -7.0

CH 2100.000
Design RL -4.250

Datum RL -6.5

CH 2000.000
Design RL -4.250

Datum RL -6.5

CH 1900.000
Design RL -4.250

Datum RL -6.5

CH 1800.000
Design RL -4.250

Datum RL -6.5

CH 3500.000
Design RL -4.250

Datum RL -6.5

CH 3400.000
Design RL -4.250

Datum RL -6.5

CH 3300.000
Design RL -4.250

Datum RL -6.5

CH 3200.000
Design RL -4.250

Datum RL -6.5

CH 3100.000
Design RL -4.250

Datum RL -6.5

CH 3000.000
Design RL -4.250

Datum RL -6.5

CH 2900.000
Design RL -4.250

Datum RL -6.5

CH 2800.000
Design RL -4.250

Datum RL -6.5

CH 2700.000
Design RL -4.250

Datum RL -7.5

2.0 0 2.0 4.0 6.0 8.0 10.0m
SCALE BEFORE REDUCTION 1:200

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DESIGNED: *SB*

DRAWN: *SB*

CHECKED: *AC*

RECOMMENDED: PROJ. MAN. *AC*

APPROVED: PROJ. DIR. *AC*

CAD FILE: L:\7900-33\SUB 01\A\79003301-315.dwg

XREF: X-A1-B0-SHT FINAL

A1

DATUM: A.H.D.



Cardno (Qld) Pty Ltd

Level 1, 5 Gardner Close, Milton 4064

P.O. Box 300, Toowong 4066

Email: cardno@cardno.com.au

Web: www.cardno.com.au

ACN: 051 074 992

NORTHEAST BUSINESS PARK



NORTHEAST BUSINESS PARK

CABOOLTURE RIVER DREDGING

MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT

CROSS SECTIONS - CH 1800.000 - CH 3500.000

SHEET 2 OF 4

DATE: 19-10-2007

DRAWING No:

7900/33/01-315

Rv.

DATE PLOTTED: 20 November, 2007 - 3:53pm

CH 4300.000
Design RL -4.250

CH 4200.000
Design RL -4.250

CH 4100.000
Design RL -4.250

CH 4000.000
Design RL -4.250

CH 3900.000
Design RL -4.250

CH 3800.000
Design RL -4.250

CH 3700.000
Design RL -4.250

CH 3600.000
Design RL -4.250

CH 5100.000
Design RL -4.250

CH 5000.000
Design RL -4.250

CH 4900.000
Design RL -4.250

CH 4800.000
Design RL -4.250

CH 4700.000
Design RL -4.250

CH 4600.000
Design RL -4.250

CH 4500.000
Design RL -4.250

CH 4400.000
Design RL -4.250

2.0 0 2.0 4.0 6.0 8.0 10.0m
SCALE BEFORE REDUCTION 1:200

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DESIGNED: *SB*
DRAWN: *SB*
CHECKED: *MC*

RECOMMENDED: PROJ. MAN. *Sturt*
CAD FILE: L:\7900-33\SUB 01\Acad\7900-33-16.dwg
XREF's: X-A1-B0-SHT FINAL

A1 DATUM: A.H.D.

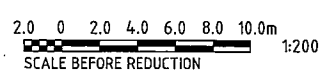
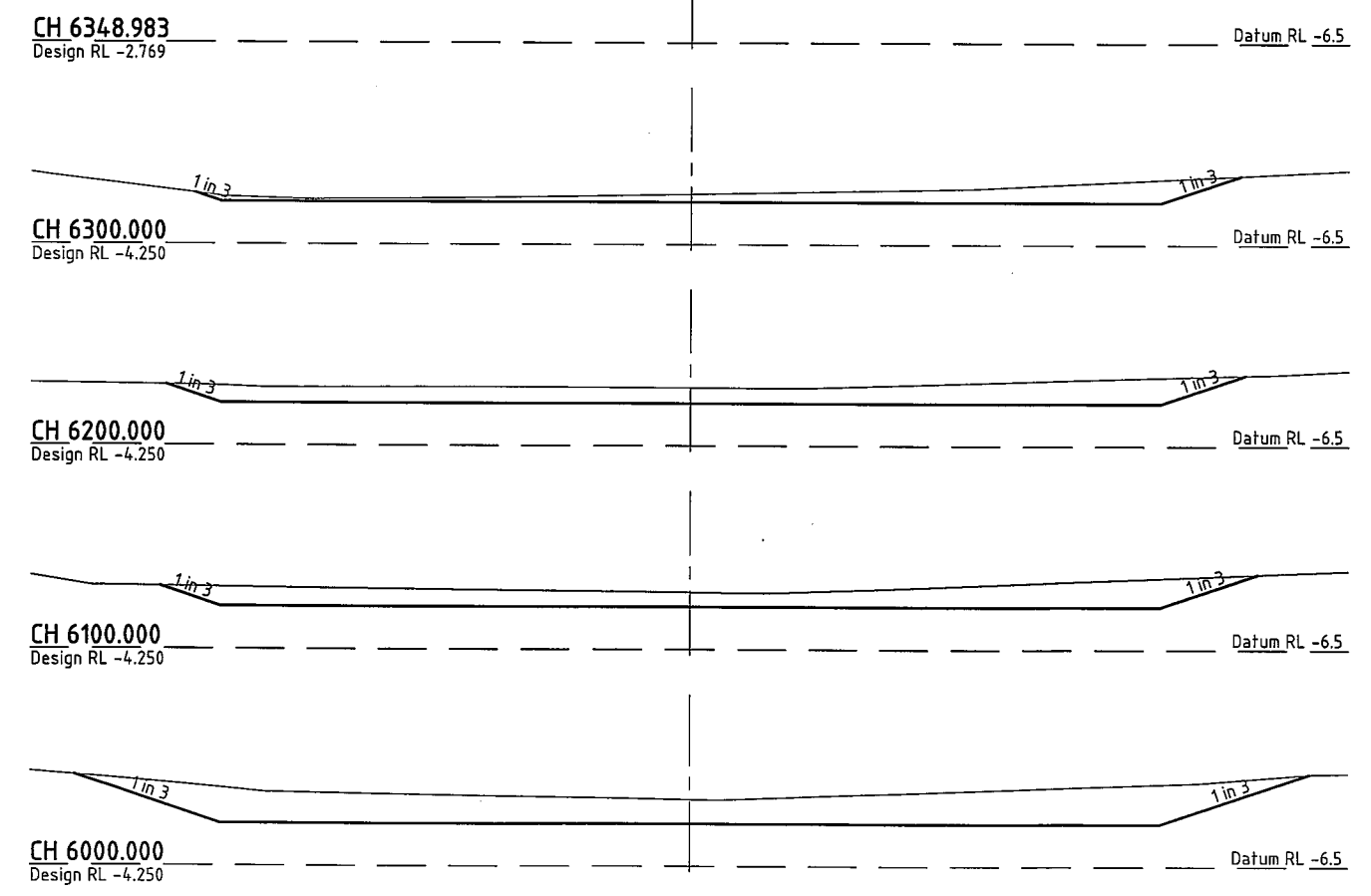
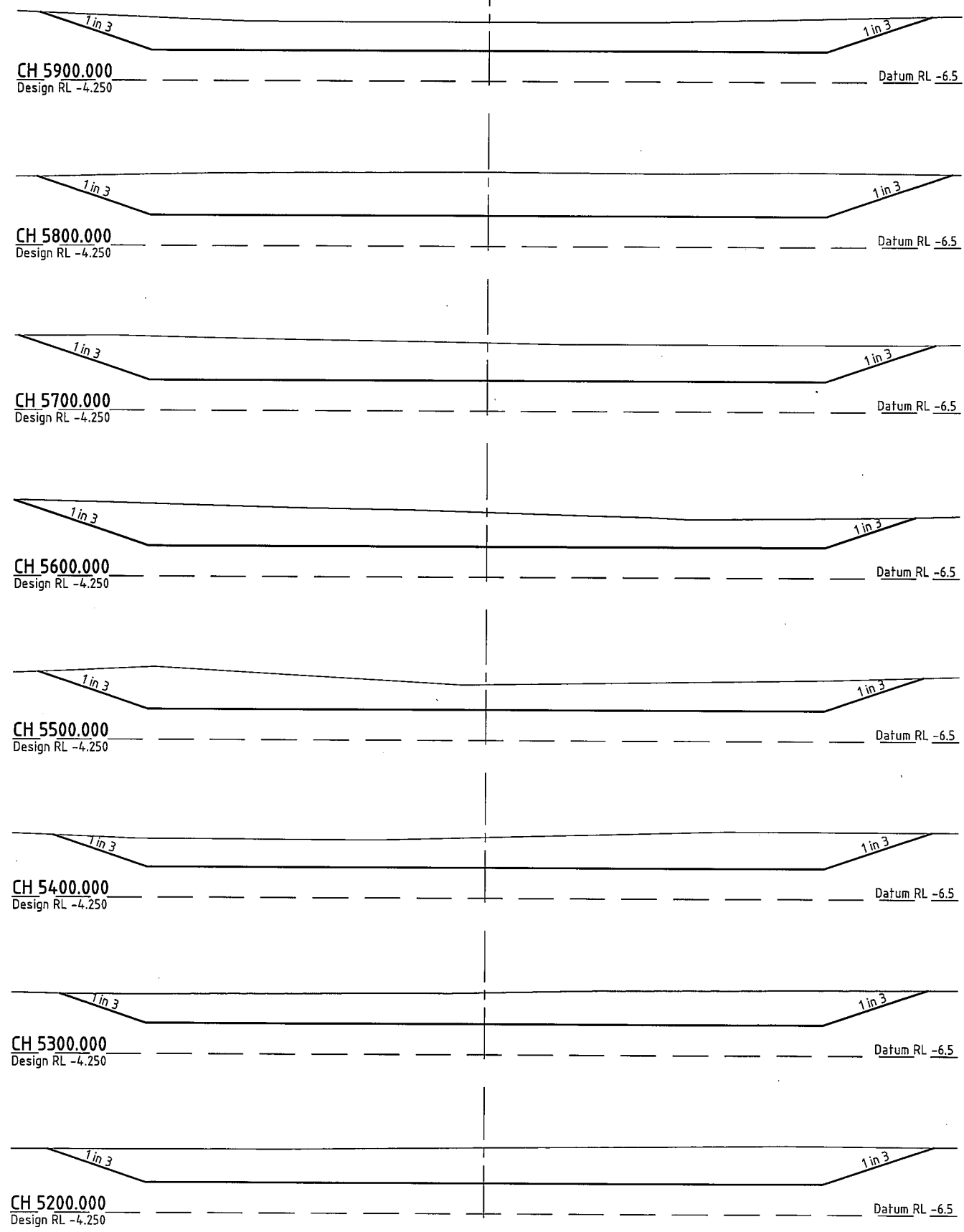
APPROVED: PROJ. DIR. *W. McLean*
RPEQ: 1470

Cardno
Cardno (Qld) Pty Ltd
Level 1, 5 Gardner Close, Milton 4054
P.O. Box 388, Toowong 4066.
Email: cardno@cardno.com.au
Web: www.cardno.com.au
ACN: 051 074 992

NORTHEAST BUSINESS PARK

NORTHEAST BUSINESS PARK
CABOOLTURE RIVER DREDGING
MARITIME SAFETY QUEENSLAND PREFERRED ALIGNMENT
CROSS SECTIONS - CH 3600.000 - CH 5100.000
SHEET 3 OF 4

DATE: 19-10-2007
DRAWING No: **7900/33/01-316**
Rv.



DATE PLOTTED: 20 November, 2007 - 3:59pm

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