

Note: Cadastral boundaries shown on this plan are overlaid from the DCBD and have not been reinstated. Use of the DCBD boundaries is to assist with presentation of sounding data only and should not be relied upon for any other use.

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					



CADASTRAL, ENGINEERING, MINING & HYDROGRAPHIC SURVEYS
 29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037
 Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

**Hydrographic Survey
 of Hideaway Canal System
 Mooloolaba**

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum: AHD
 Origin: OPM 105248 RL 4.532
 Contour Interval: 0.5
 Horz. Azimuth: GDA94
 Coord. Datum: MGA94
 Origin: OPM 105248
 Data File: 152010

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number: 152010		

Scale	1:3000	Original at A2
Drawing Number	152010-JTH-150402	Revision 0
Sheet 1 of 11 <small>© COPYRIGHT JTH SURVEYS This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.</small>		



Note: Cadastral boundaries shown on this plan are overlaid from the DCBD and have not been reinstated. Use of the DCBD boundaries is to assist with presentation of sounding data only and should not be relied upon for any other use.



Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					



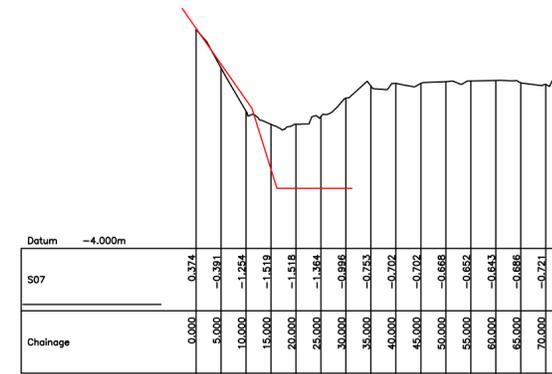
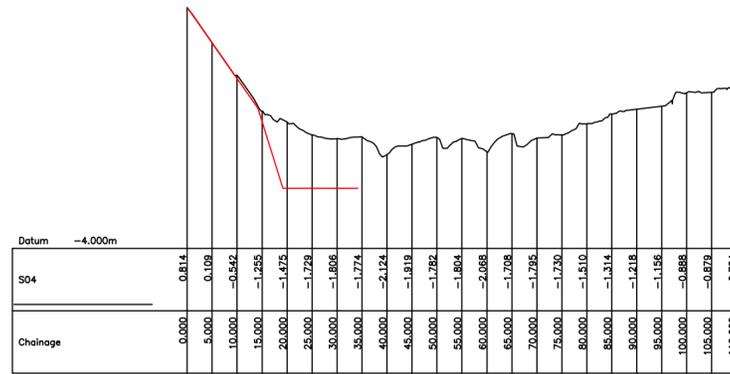
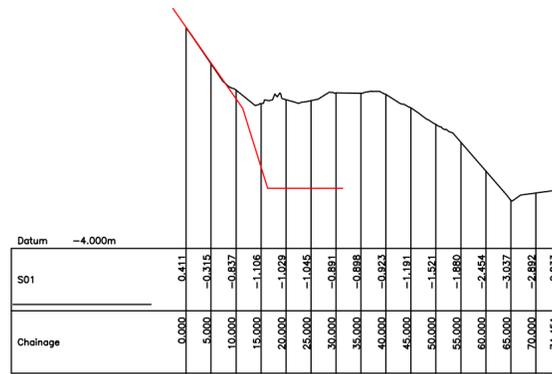
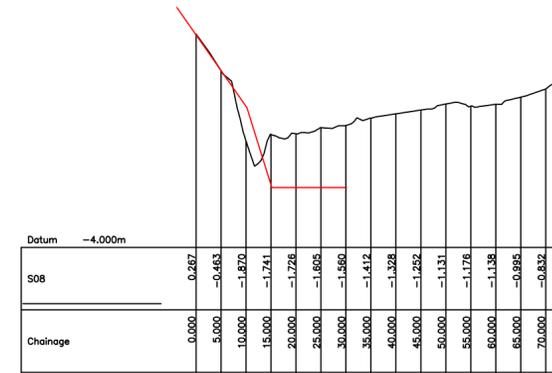
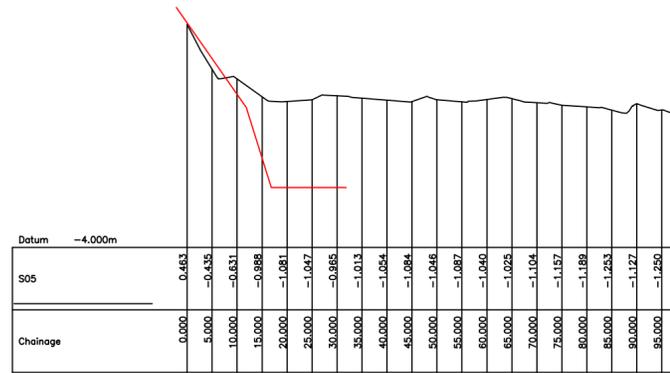
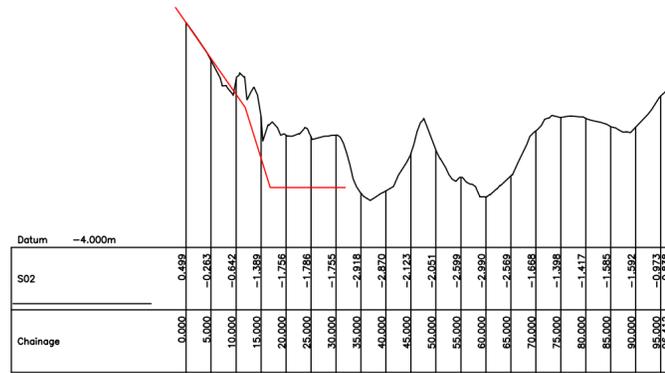
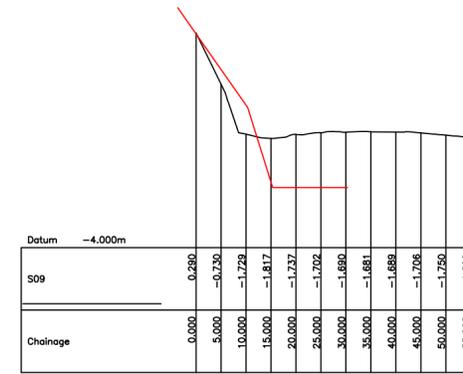
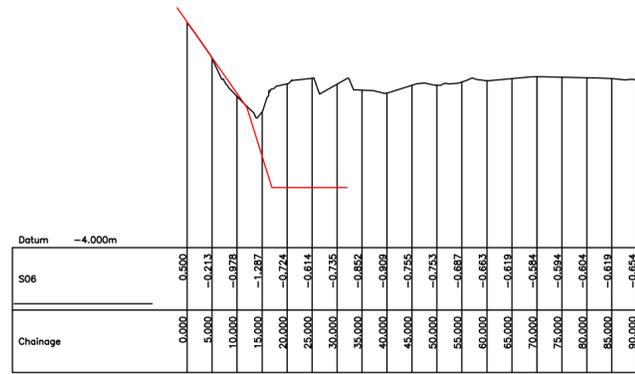
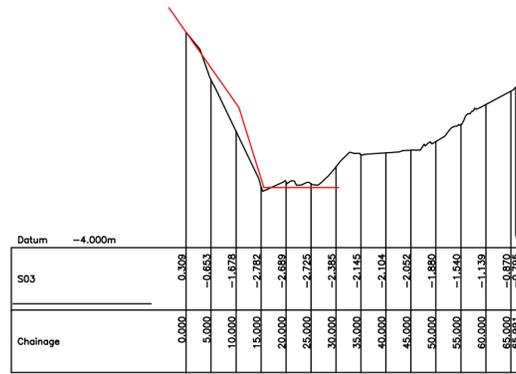
CADASTRAL, ENGINEERING, MINING & HYDROGRAPHIC SURVEYORS
 29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037
 Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

Hydrographic Survey of Hideaway Canal System Mooloolaba
 City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum: AHD
 Origin: OPM 105248 RL 4.532
 Contour Interval: 0.5
 Horz. Azimuth: GDA94
 Coord. Datum: MGA94
 Origin: OPM 105248
 Data File: 152010

Surveyed: JTH 02/04/15
 Drawn: JTH 15/04/15
 Designed:
 Checked: JTH 16/04/15
 Approved: JTH 16/04/15
 Job Number: 152010

Scale: **1:3000** Original at A2
 Drawing Number: **152010-JTH-150402** Revision: **0**
 Sheet 2 of 11
 © COPYRIGHT JTH SURVEYS
 This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					

JTH
 CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS

29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037

Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

Hydrographic Survey of Hideaway Canal System Mooloolaba

City/Locality/Site: Mooloolaba
Local Authority: Sunshine Coast Council

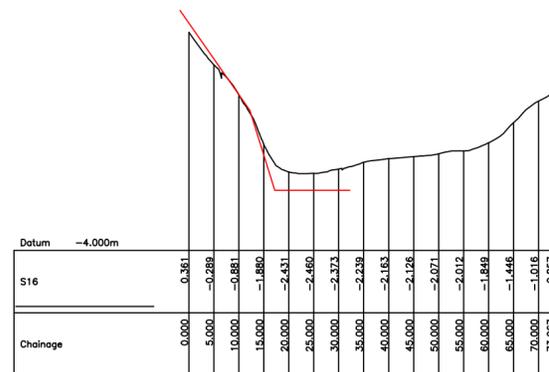
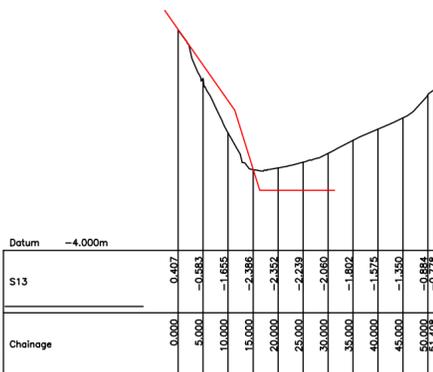
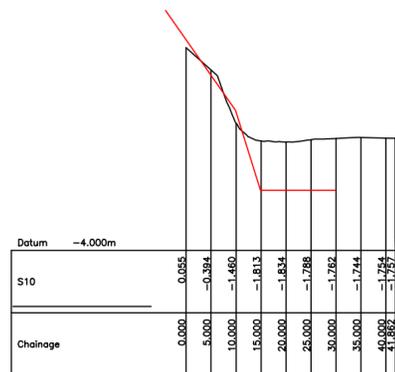
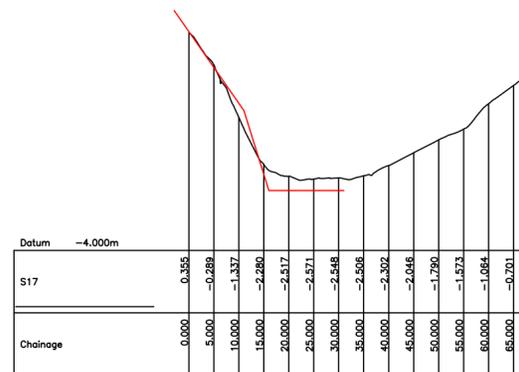
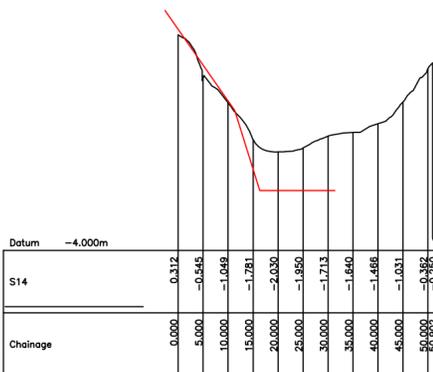
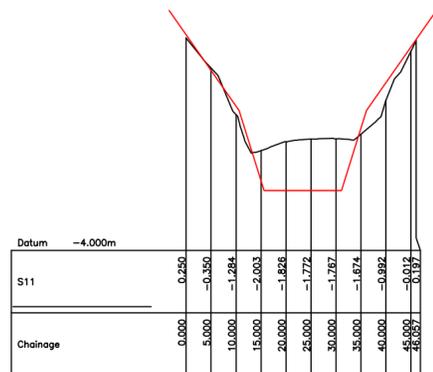
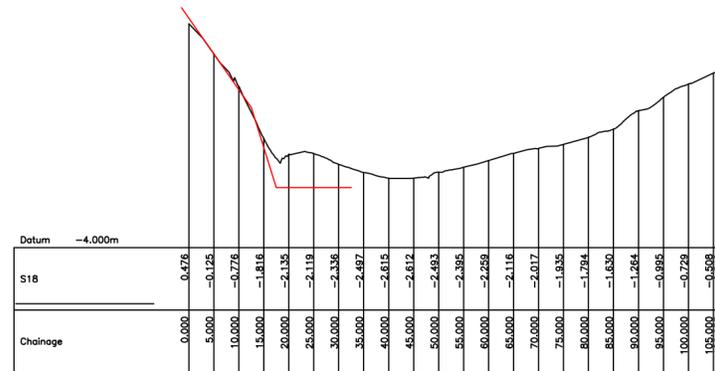
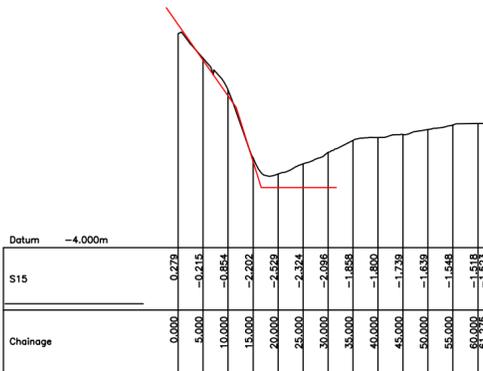
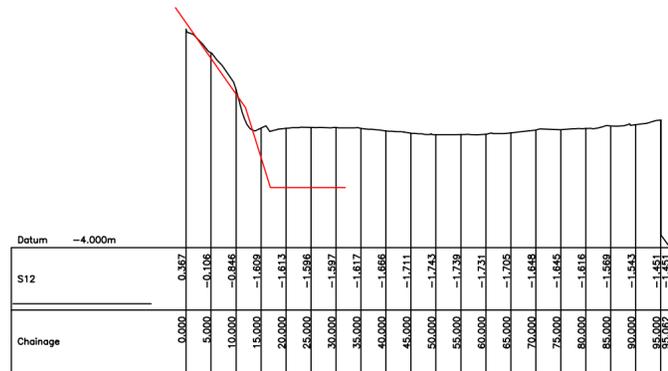
Vert. Datum	AHD	OPM 105248	RL 4.532
Origin			
Contour Interval			0.5
Horz. Azimuth	GDA94		
Coord. Datum	MGA94		
Origin	OPM 105248		
Data File:	152010		

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number:	152010	

Scale **Horz 1:1000 Vert 1:100** Original at A2

Drawing Number	152010-JTH-150402	Revision	0
----------------	--------------------------	----------	----------

Sheet 3 of 11
 © COPYRIGHT JTH SURVEYS
This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					



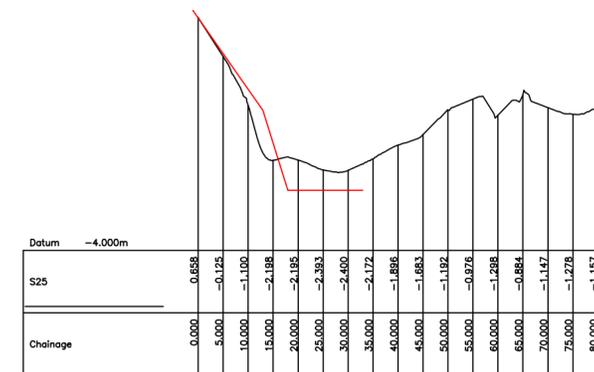
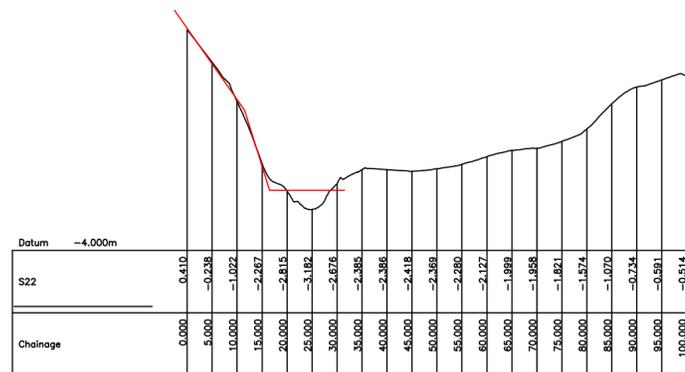
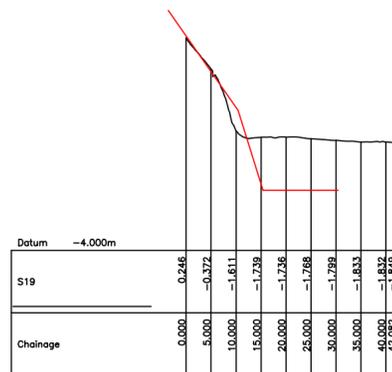
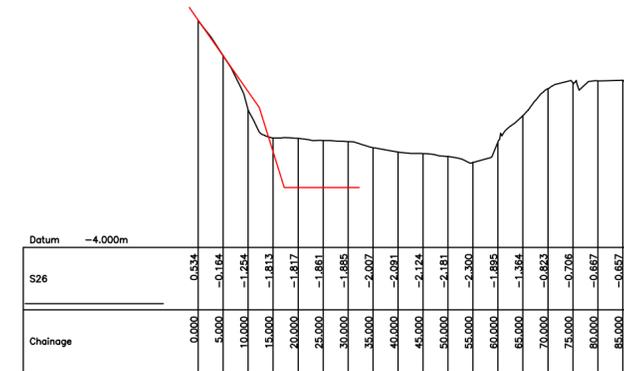
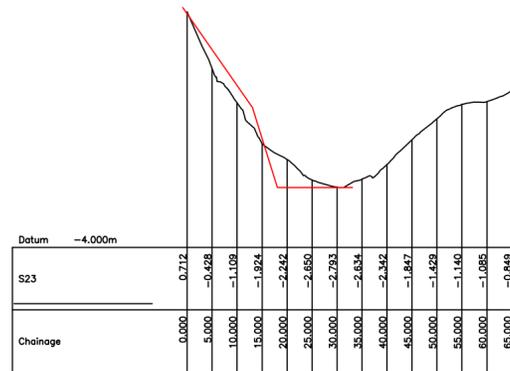
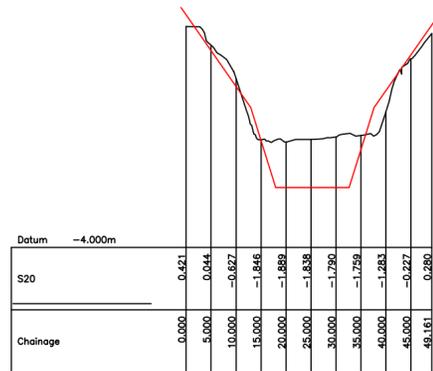
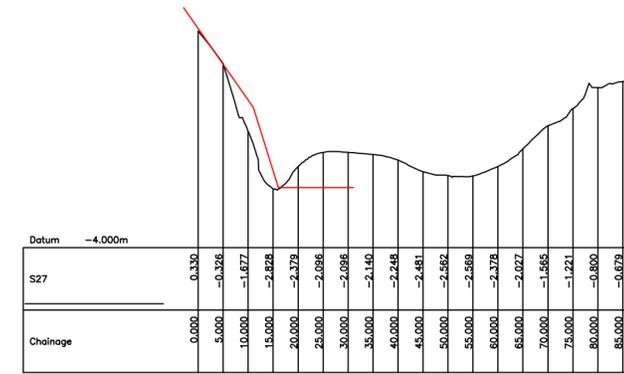
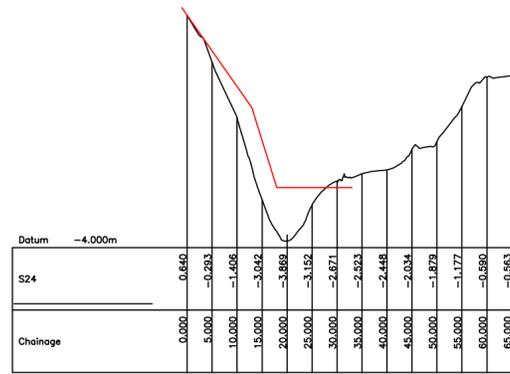
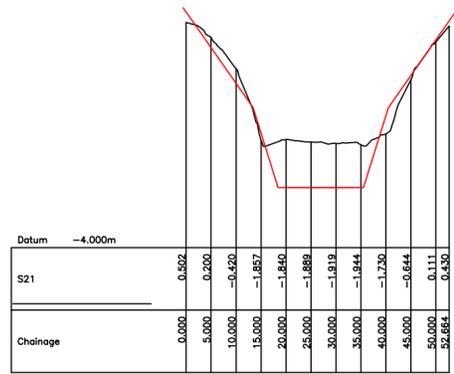
CADAstral, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS
 29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037
 Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

**Hydrographic Survey
 of Hideaway Canal System
 Mooloolaba**
 City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum: AHD
 Origin: OPM 105248 RL 4.532
 Contour Interval: 0.5
 Horz. Azimuth: GDA94
 Coord. Datum Origin: MGA94 OPM 105248
 Data File: 152010

Surveyed: JTH 02/04/15
 Drawn: JTH 15/04/15
 Designed:
 Checked: JTH 16/04/15
 Approved: JTH 16/04/15
 Job Number: 152010

Scale **Horz 1:1000 Vert 1:100** Original at A2
 Drawing Number: **152010-JTH-150402** Revision: **0**
 Sheet 4 of 11
 © COPYRIGHT JTH SURVEYS
 This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					

JTH
 CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS

29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037

Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

Surveys Pty Ltd

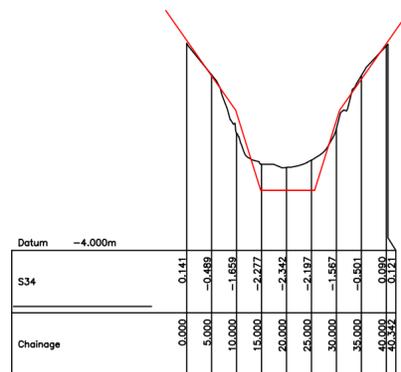
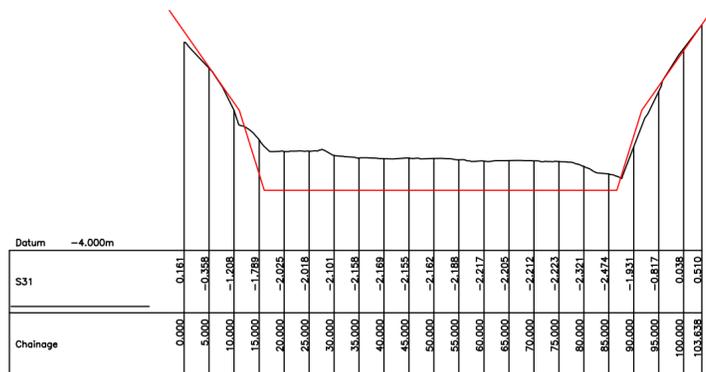
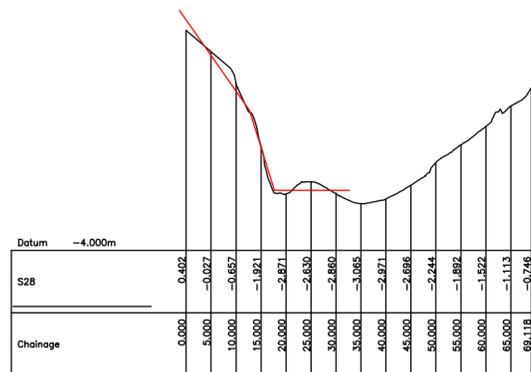
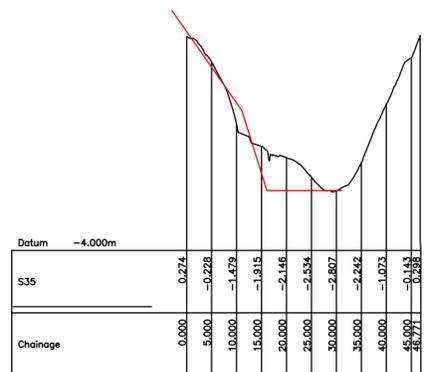
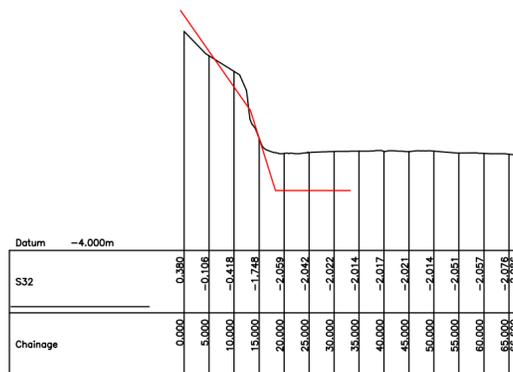
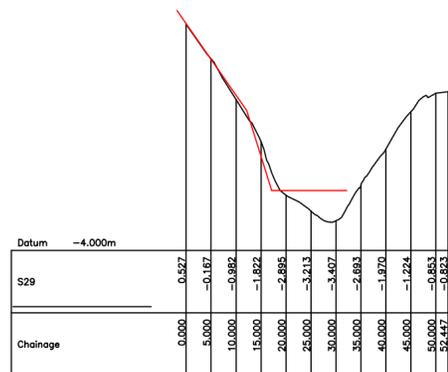
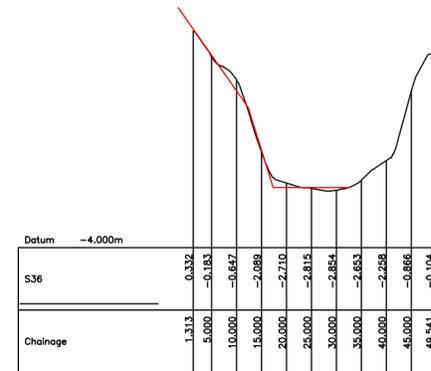
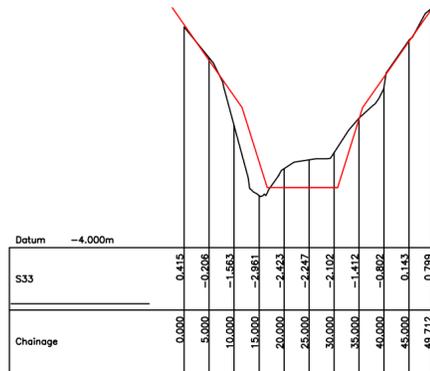
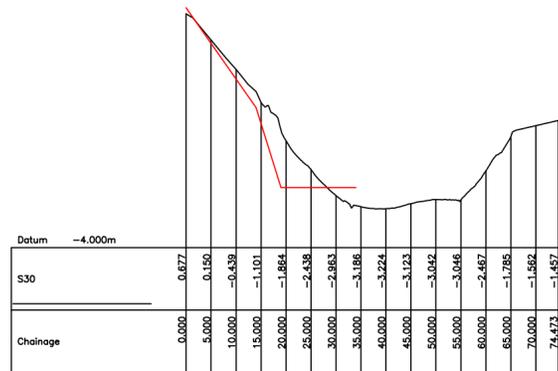
Hydrographic Survey of Hideaway Canal System Mooloolaba

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum	AHD	OPM 105248	RL 4.532
Origin			
Contour Interval			0.5
Horz. Azimuth	GDA94		
Coord. Datum	MGA94		
Origin	OPM 105248		
Data File:	152010		

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number:	152010	

Scale Horz 1:1000 Vert 1:100 Original at A2	
Drawing Number	152010-JTH-150402
Revision	0
Sheet 5 of 11 <small>© COPYRIGHT JTH SURVEYS This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.</small>	



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					



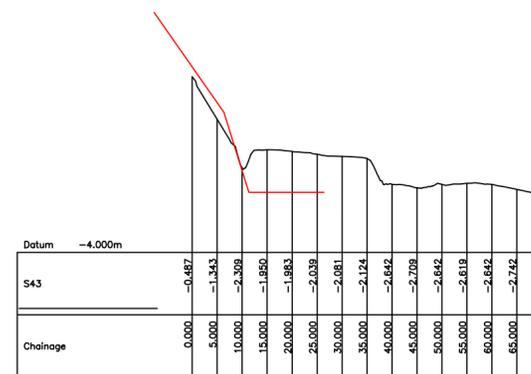
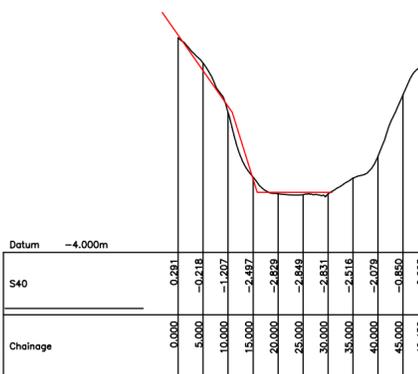
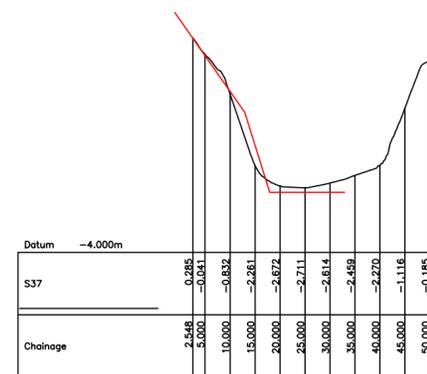
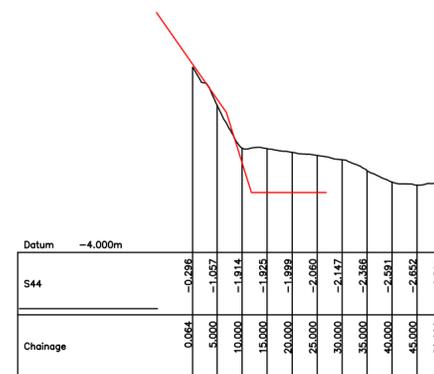
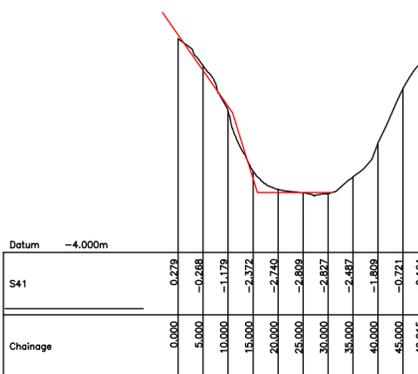
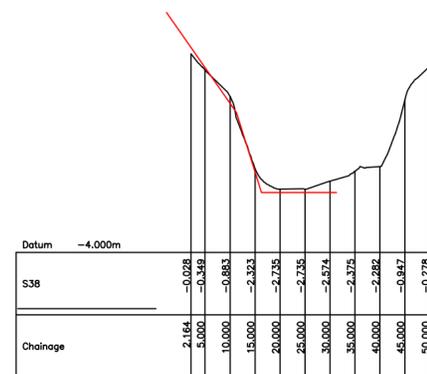
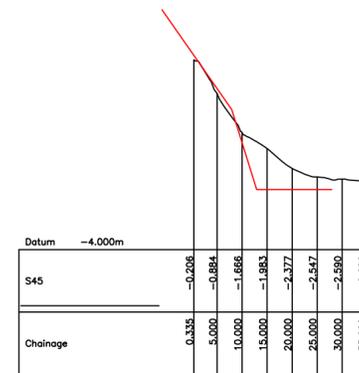
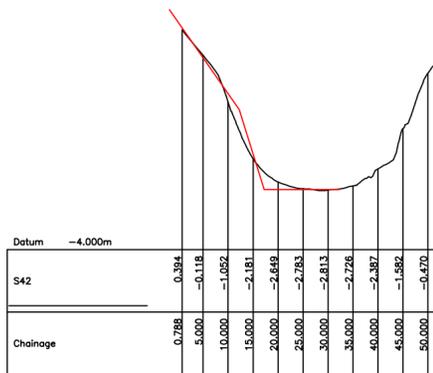
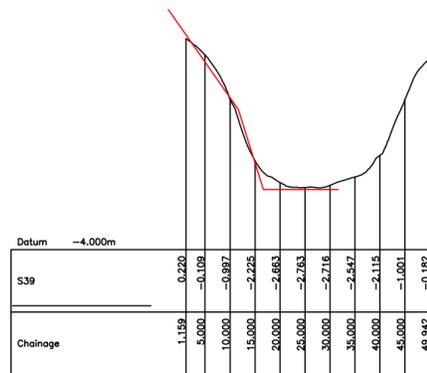
CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS
 29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037
 Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

**Hydrographic Survey
 of Hideaway Canal System
 Mooloolaba**
 City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum AHD
 Origin OPM 105248 RL 4.532
 Contour Interval 0.5
 Horz. Azimuth GDA94
 Coord. Datum MGA94
 Origin OPM 105248
 Data File: 152010

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number: 152010		

Scale **Horz 1:1000 Vert 1:100** Original at A2
 Drawing Number **152010-JTH-150402** Revision **0**
 Sheet 6 of 11
 © COPYRIGHT JTH SURVEYS
 This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					

JTH
 CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS

29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037

Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

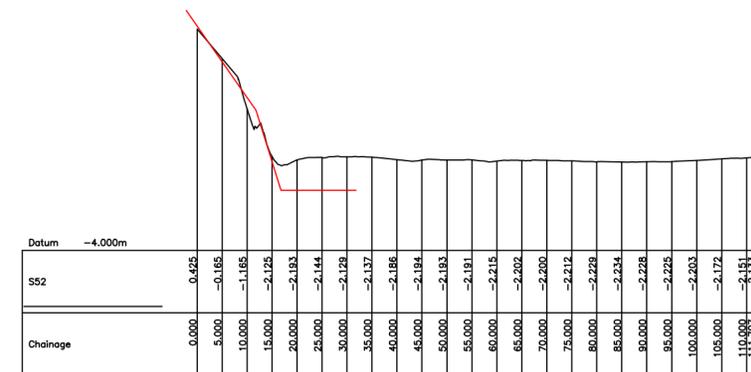
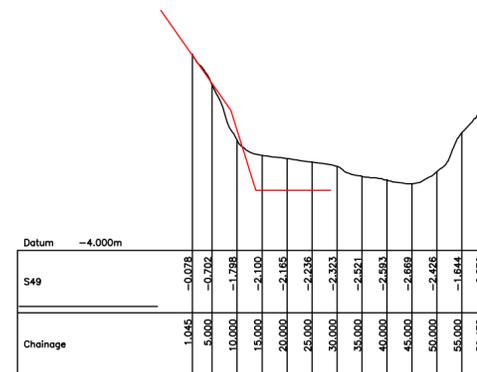
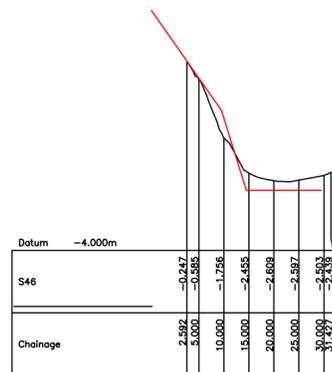
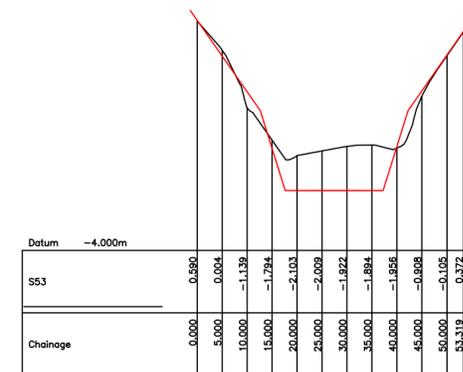
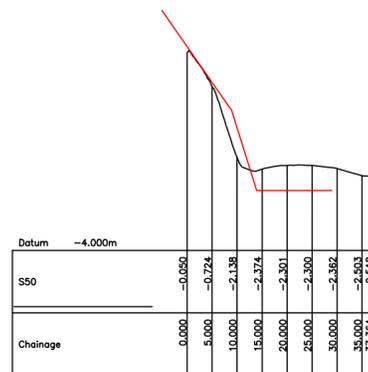
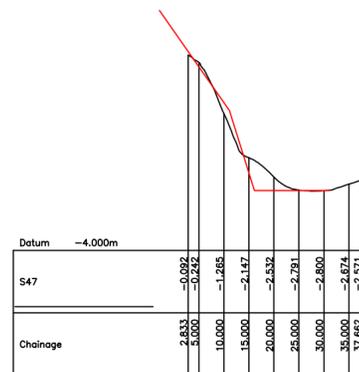
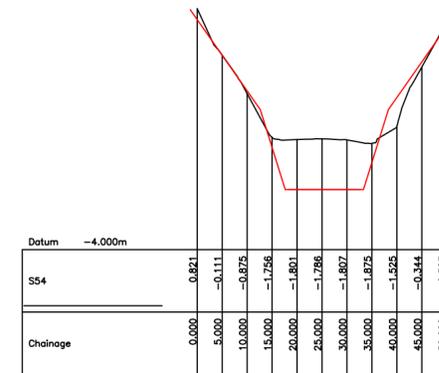
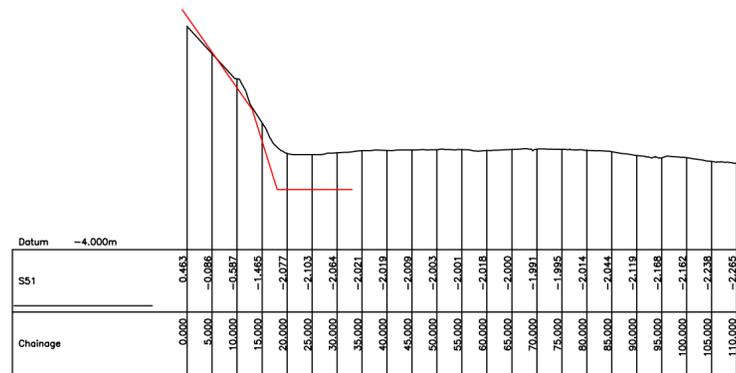
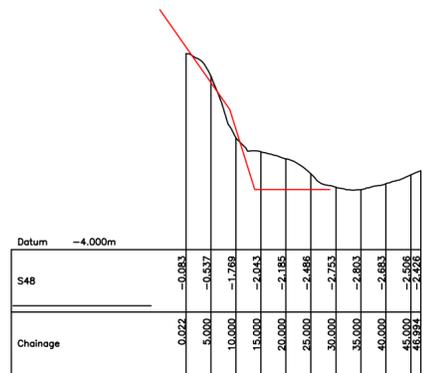
Hydrographic Survey of Hideaway Canal System Mooloolaba

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum	AHD
Origin	OPM 105248 RL 4.532
Contour Interval	0.5
Horz. Azimuth	GDA94
Coord. Datum	MGA94
Origin	OPM 105248
Data File:	152010

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number:	152010	

Scale Horz 1:1000 Vert 1:100 Original at A2		
Drawing Number	152010-JTH-150402	Revision 0
Sheet 7 of 11 © COPYRIGHT JTH SURVEYS <small>This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.</small>		



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1	JTH	10/05/15	UPDATED_SECTIONS_51-54	JTH	JTH
2					
3					



CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS

29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037

Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

Hydrographic Survey of Hideaway Canal System Mooloolaba

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum: AHD
 Origin: OPM 105248 RL 4.532
 Contour Interval: 0.5

Horz. Azimuth: GDA94

Coord. Datum Origin: MGA94 OPM 105248

Data File: 152010

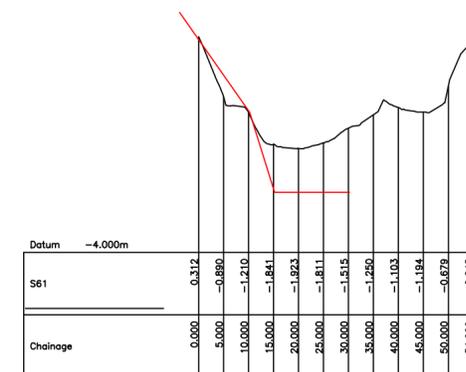
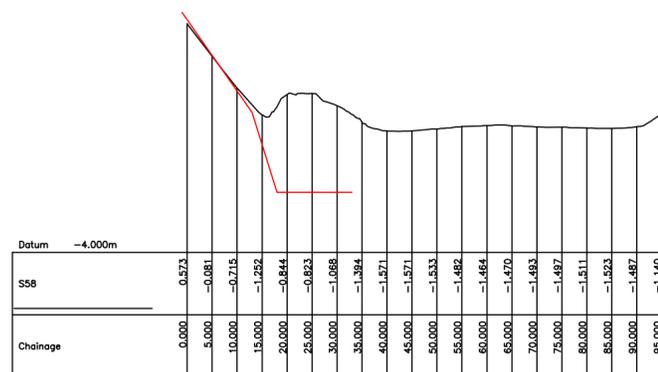
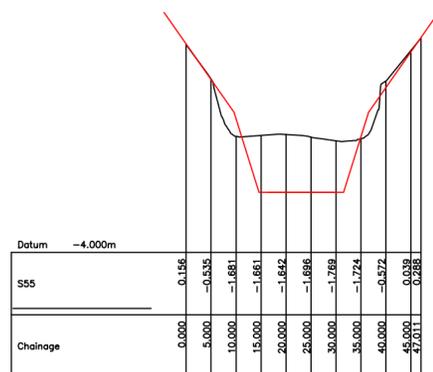
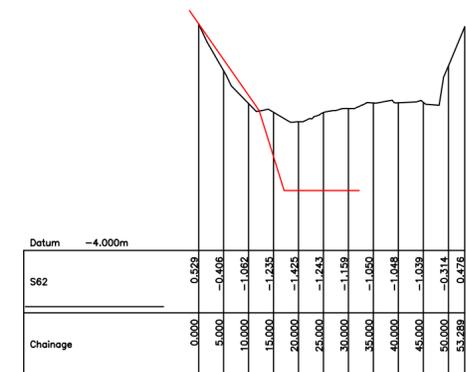
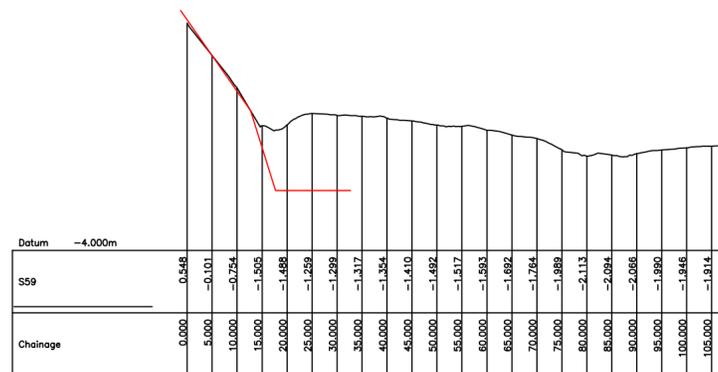
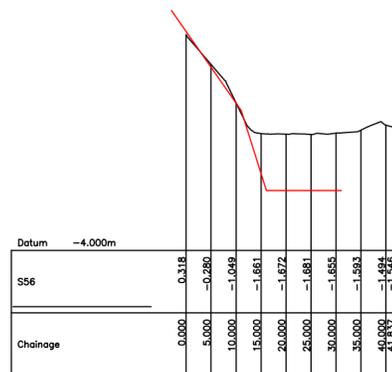
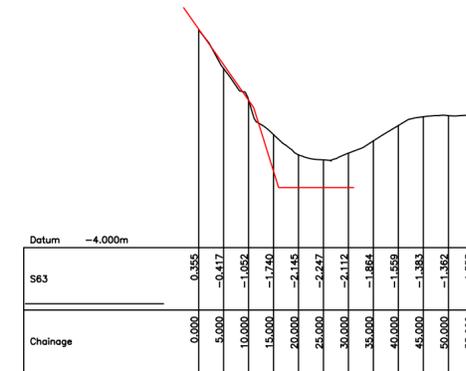
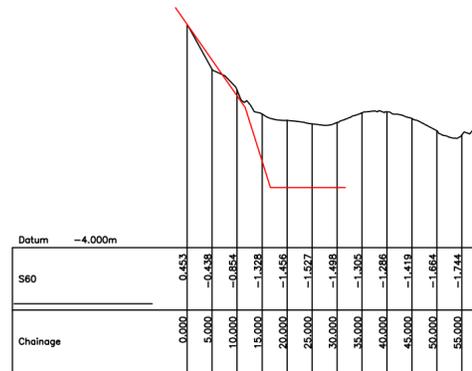
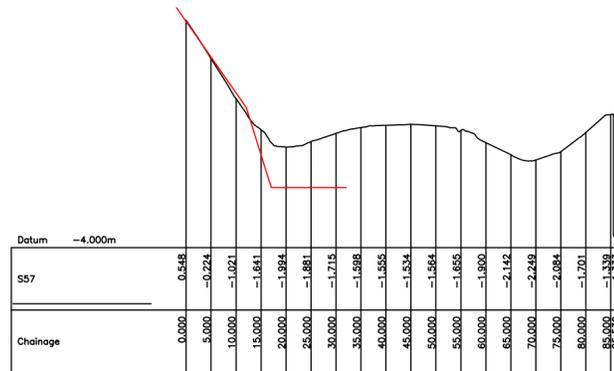
Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15

Job Number: 152010

Scale **Horz 1:1000 Vert 1:100** Original at A2

Drawing Number	152010-JTH-150402	Revision	1
----------------	--------------------------	----------	----------

Sheet 8 of 11
 © COPYRIGHT JTH SURVEYS
 This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1	JTH	10/05/15	UPDATED_SECTIONS_55-57	JTH	JTH
2					
3					

JTH

Surveys Pty Ltd

CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS

29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037

Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

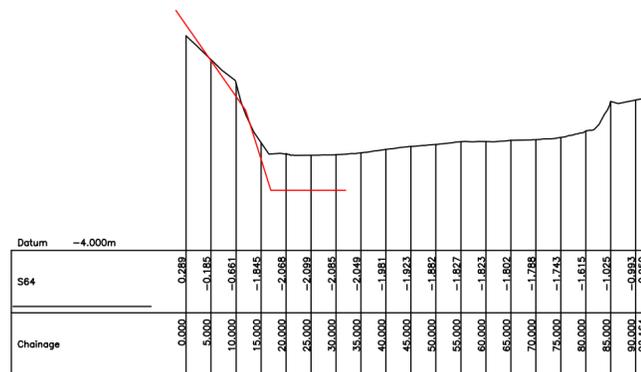
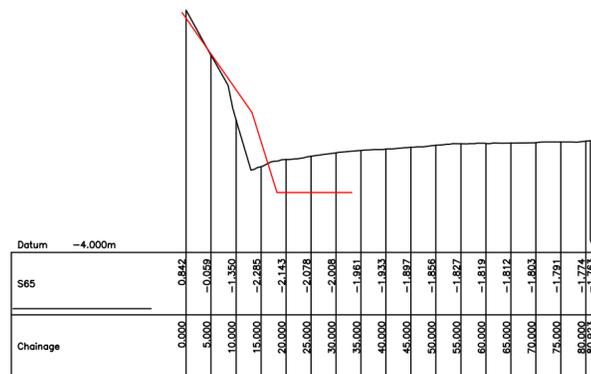
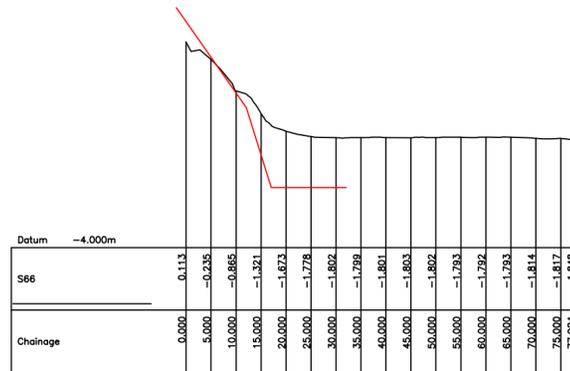
**Hydrographic Survey
 of Hideaway Canal System
 Mooloolaba**

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum Origin	AHD OPM 105248 RL 4.532
Contour Interval	0.5
Horz. Azimuth	GDA94
Coord. Datum Origin	MGA94 OPM 105248
Data File:	152010

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number:	152010	

Scale Horz 1:1000 Vert 1:100 Original at A2		
Drawing Number	152010-JTH-150402	Revision 1
Sheet 9 of 11 © COPYRIGHT JTH SURVEYS <small>This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.</small>		



— Survey Data April 2015
 — Design Profile Overlay

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	15/04/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					



CADASTRAL, ENGINEERING, MINING
 & HYDROGRAPHIC SURVEYORS
 29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037
 Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

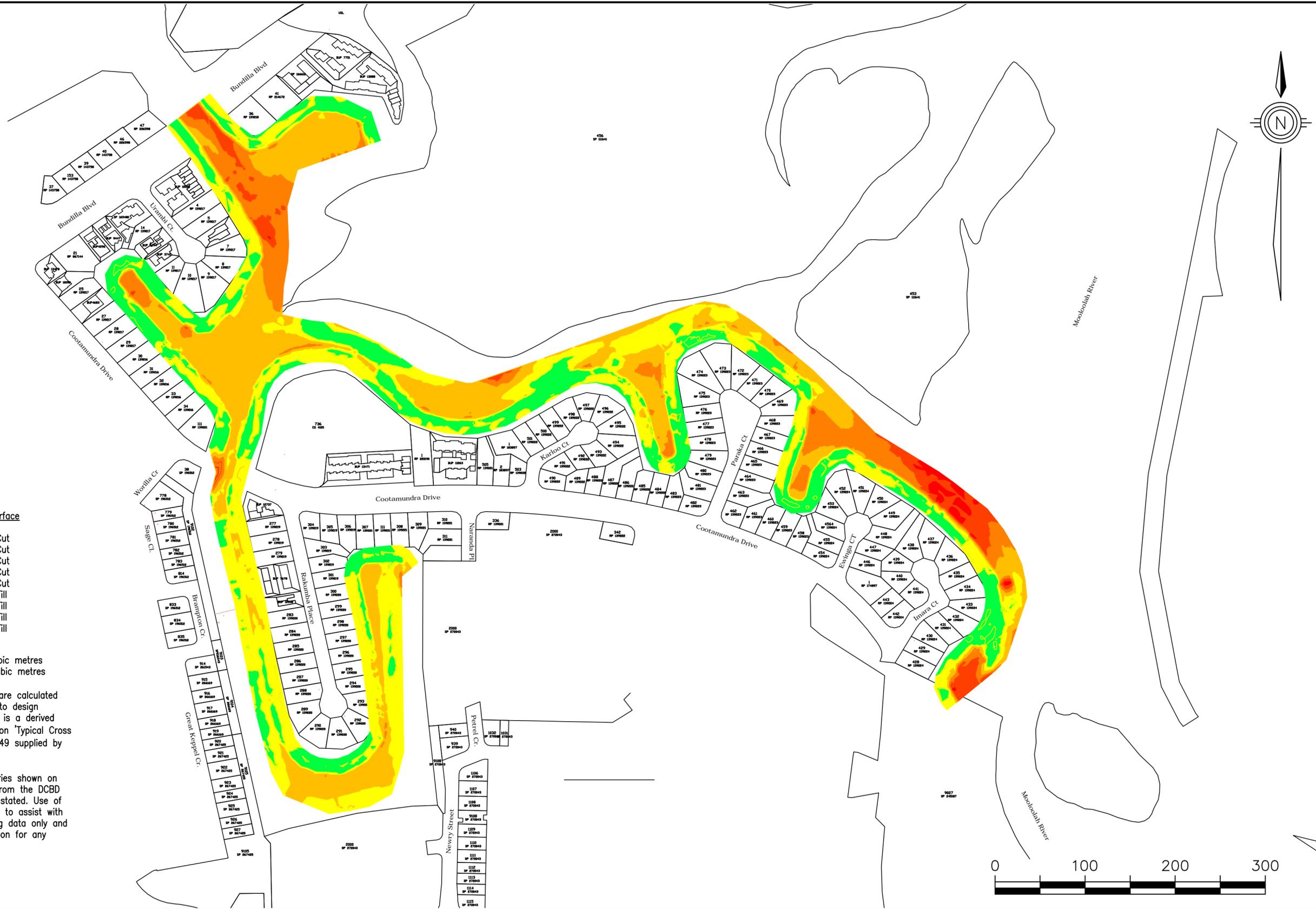
Hydrographic Survey of Hideaway Canal System Mooloolaba

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum Origin	AHD OPM 105248	RL 4.532
Contour Interval	0.5	
Horz. Azimuth	GDA94	
Coord. Datum Origin	MGA94 OPM 105248	
Data File:	152010	

Surveyed	JTH	02/04/15
Drawn	JTH	15/04/15
Designed		
Checked	JTH	16/04/15
Approved	JTH	16/04/15
Job Number:	152010	

Scale Horz 1:1000 Vert 1:100 Original at A2		
Drawing Number	152010-JTH-150402	Revision 0
Sheet 10 of 11 <small>© COPYRIGHT JTH SURVEYS This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company</small>		



Cut / Fill to Design Surface

- 2.5m - 2.0m Cut
- 2.0m - 1.5m Cut
- 1.5m - 1.0m Cut
- 1.0m - 0.5m Cut
- 0.5m - 0.0m Cut
- 0.0m - 0.5m Fill
- 0.5m - 1.0m Fill
- 1.0m - 1.5m Fill
- 1.5m - 2.0m Fill

Cut Volume: 65,513 cubic metres
 Fill Volume: 6,273 cubic metres

Note: Cut/Fill Volumes are calculated from surveyed surface to design surface. Design surface is a derived best fit surface based on 'Typical Cross Section' Drawing No 2749 supplied by Sunshine Coast Council.

Note: Cadastral boundaries shown on this plan are overlaid from the DCBD and have not been reinstated. Use of the DCBD boundaries is to assist with presentation of sounding data only and should not be relied upon for any other use.

Revisions					
No.	By	Date	Description	Chk	App
0	JTH	10/05/15	ORIGINAL_ISSUE	JTH	JTH
1					
2					
3					



CADASTRAL, ENGINEERING, MINING & HYDROGRAPHIC SURVEYORS

29 McCool Street
 Moranbah, QLD 4744
 Ph: 07 4941 8376
 Fax: 07 4941 8607
 Mob: 0428 726 037

Email: admin@jthsurveys.com.au
 web site: www.jthsurveys.com.au

**Hydrographic Survey
 of Hideaway Canal System
 Mooloolaba**

City/Locality/Site: Mooloolaba
 Local Authority: Sunshine Coast Council

Vert. Datum	AHD	OPM 105248	RL 4.532
Origin			
Contour Interval		0.5	
Horz. Azimuth	GDA94		
Coord. Datum	MGA94	OPM 105248	
Origin			
Data File:	152010		

Surveyed	JTH	02/04/15
Drawn	JTH	10/05/15
Designed		
Checked	JTH	10/05/15
Approved	JTH	10/05/15
Job Number:	152010	

Scale	1:3000	Original at A2
Drawing Number	152010-JTH-150402	Revision 0
Sheet 11 of 11 © COPYRIGHT JTH SURVEYS <small>This drawing and design remains the property of JTH Surveys Pty Ltd and may not be copied in any way without prior written approval from this company.</small>		