

SCRC

HYDROGRAPHIC SURVEY

Kawana Canal Minyama

- GENERAL NOTES:**
1. VISIBLE SERVICES ONLY HAVE BEEN LOCATED. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATION OF ALL SERVICES.
 2. MGA2020 ZONE 56 COORDINATES & AHD ELEVATIONS DERIVED FROM CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS)
 3. DATA SET COORDINATES ARE TRUE MGA.
 4. BOUNDARIES HAVE NOT BEEN SURVEYED OR REINSTATED
 5. BOUNDARIES SHOWN ARE COMPILED FROM DCDB DATA.
 6. CONTOUR INTERVAL SHOWN IS 0.5 METRE.
 7. SECTION VIEW VERTICAL SCALE 5 x EXAGGERATION 1:200

- METHOD**
1. HORIZONTAL & VERTICAL POSITIONING HAS BEEN DERIVED VIA RTK GPS AND CEE ECHO SINGLE BEAM ECHO SOUNDER (200 KHZ TRANSDUCER).
 2. DATA POST PROCESSED USING HYPACK HYDROGRAPHIC SURVEY SOFTWARE. DIGITAL TERRAIN MODEL CREATED WITH CIVIL3D (2020) SOFTWARE.
 3. THIS IS A CLASS C HYDROGRAPHIC SURVEY AS DEFINED BY MARITIME SAFETY QLD - STANDARDS FOR HYDROGRAPHIC SURVEYS
 4. CALIBRATION OF ECHO SOUNDER & RTK GPS PERFORMED AT START & END OF EACH DAY DURING PERIOD OF SURVEY.

LEGEND

SURFACE ELEVATION DATA			
NUMBER	MINIMUM	MAXIMUM	COLOR
1	-6.00	-5.00	PURPLE
2	-5.00	-4.00	BLUE
3	-4.00	-3.00	TEAL
4	-3.50	-3.00	GREEN
5	-3.00	-2.50	CYAN
6	-2.50	-2.00	BLUE
7	-2.00	-1.50	CYAN
8	-1.50	-1.00	GREEN
9	-1.00	-0.50	YELLOW
10	-0.50	0.00	ORANGE
11	0.00	0.50	RED
12	0.50	1.00	PINK
13	1.00	1.50	BROWN



Revisions	Surveyed	Drawn	Checked	Passed	Date
A					31.01.23



SUNSHINE COAST
 PO Box 1073, Buddina QLD 4575 Ph: (07) 5437 8555
 mail@dsqsurvey.com ABN: 91 615 043 251
 www.dsqsurvey.com ACN: 615 043 251
 TOOWOOMBA - DALBY - CHINCHILLA

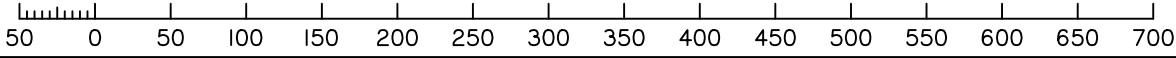
Horiz. Datum MGA2020-56 Vert. Datum AHD
 Origin CORS Origin PSM 182499
 RL 2.055

Locality: MINYAMA
 Local Government: SUNSHINE COAST R. C.

SHEET 1 OF 9 Scale A3 1:5000
 DRAWING NUMBER REV.

14668-DTM-02 A

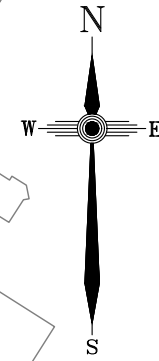
Scale 1:5000 - Lengths are in Metres.



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BASIN

BARRALONG CANAL



SCRC

HYDROGRAPHIC SURVEY

Kawana Canal
Minyama

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SURFACE ELEVATION DATA			
NUMBER	MINIMUM	MAXIMUM	COLOR
1	-6.00	-5.00	Dark Purple
2	-5.00	-4.00	Blue
3	-4.00	-3.00	Light Blue
4	-3.50	-3.00	Light Cyan
5	-3.00	-2.50	Light Green
6	-2.50	-2.00	Green
7	-2.00	-1.50	Yellow-Green
8	-1.50	-1.00	Yellow
9	-1.00	-0.50	Light Orange
10	-0.50	0.00	Orange
11	0.00	0.50	Light Brown
12	0.50	1.00	Brown
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Revisions	Surveyed	Drawn	Checked	Passed	Date
A					31.01.23

DSQ
LAND SURVEYORS

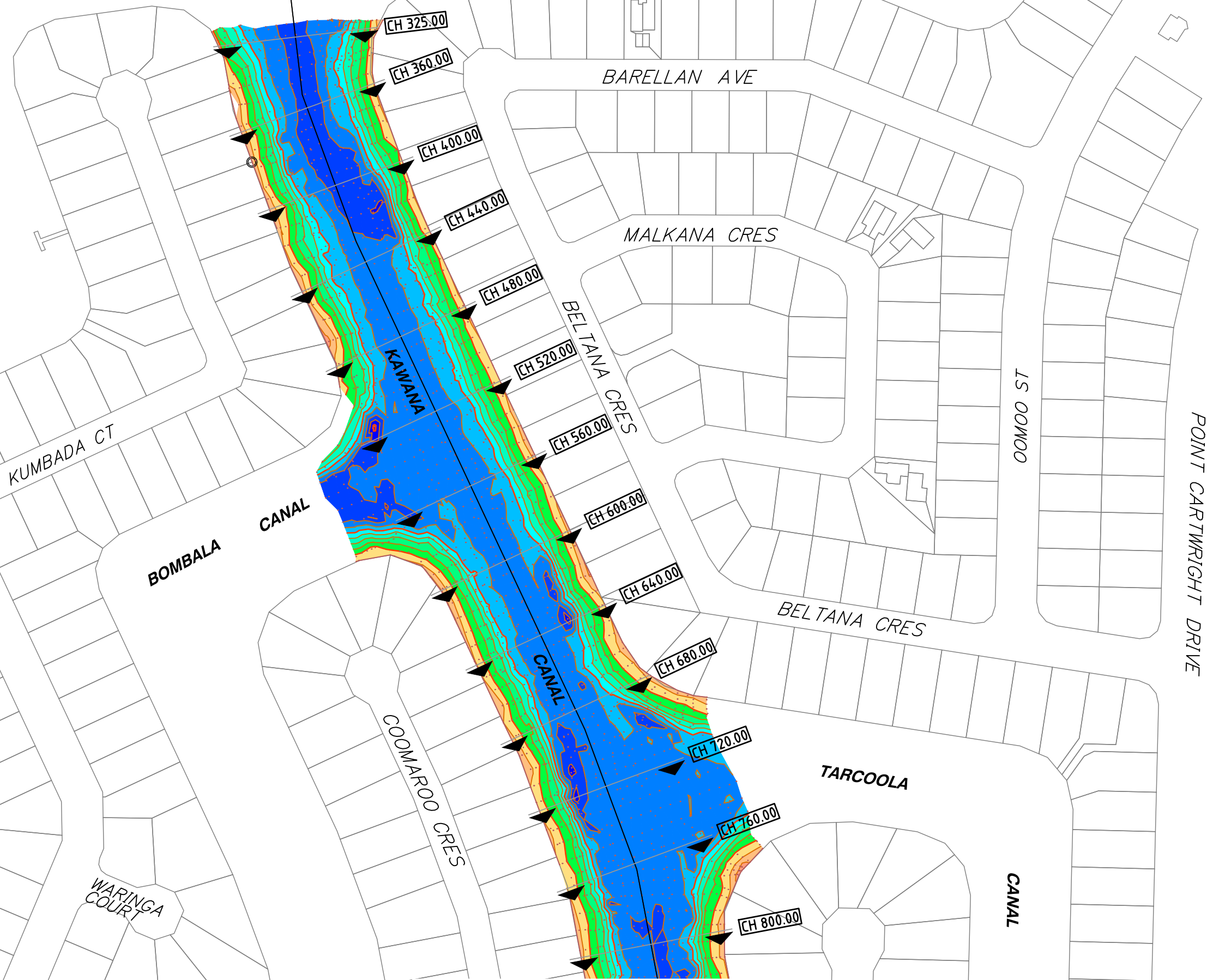
SUNSHINE COAST
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TOOWOOMBA - DALBY - CHINCHILLA

Horiz. Datum MGA2020-56 Vert. Datum AHD
Origin CORS Origin PSM 182499
RL 2.055

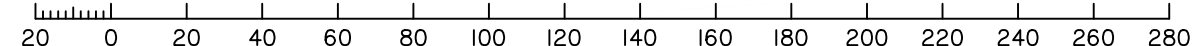
Locality: MINYAMA
Local Government: SUNSHINE COAST R. C.

SHEET 2 OF 9 Scale A3 1:2000

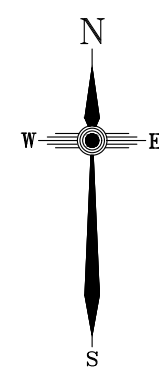
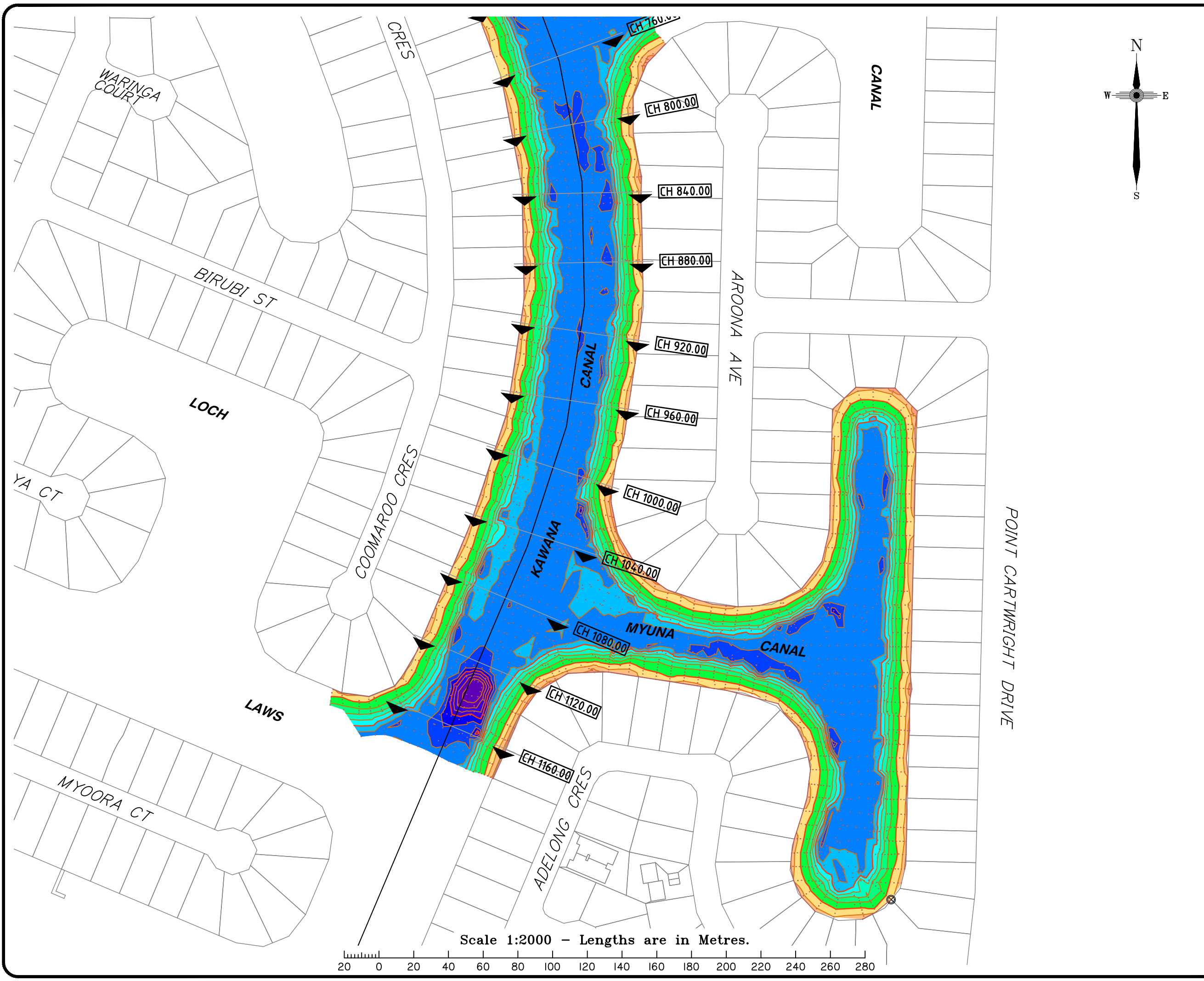
DRAWING NUMBER 14668-DTM-02 REV. A



Scale 1:2000 - Lengths are in Metres.



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SCRC

HYDROGRAPHIC SURVEY

Kawana Canal Minyama

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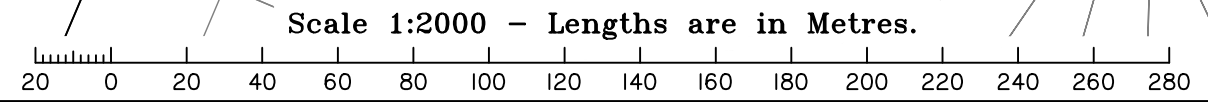


Revisions	Surveyed	Drawn	Checked	Passed	Date	
A	ORIGINAL PLAN	LJS	PJC	AJP	AJP	31.01.23

DSQ
LAND SURVEYORS

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Horiz. Datum MGA2020-56	Vert. Datum AHD
Origin CORS	Origin PSM 182499 RL 2.055
Locality: MINYAMA	
Local Government: SUNSHINE COAST R. C.	
SHEET 2 OF 9	Scale A3 1:2000
DRAWING NUMBER	REV.
14668-DTM-02	A



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SCRC

**HYDROGRAPHIC SURVEY
Kawana Canal
Minyama**

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METHOD

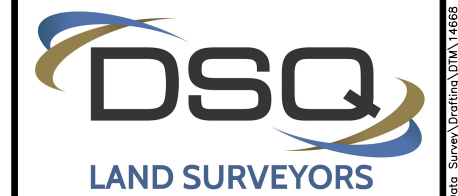
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LEGEND

- 2022 SURVEY
- 2003 SURVEY
- DESIGN PROFILE



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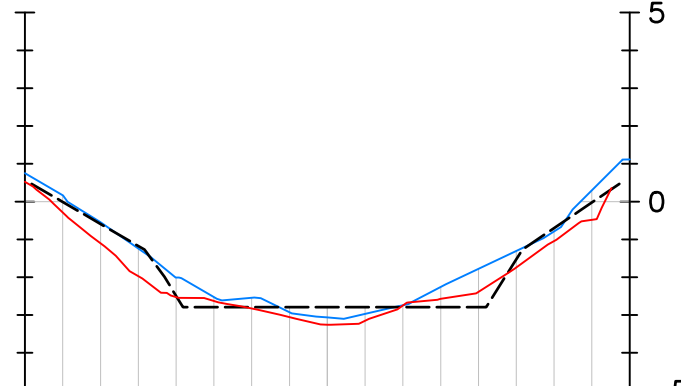
Horiz. Datum MGA2020-56 Vert. Datum AHD
Origin CORS Origin PSM 182499
RL 2.055

Locality: MINYAMA
Local Government: SUNSHINE COAST R. C.

SHEET 4 OF 9 Scale **A3 1:1000**

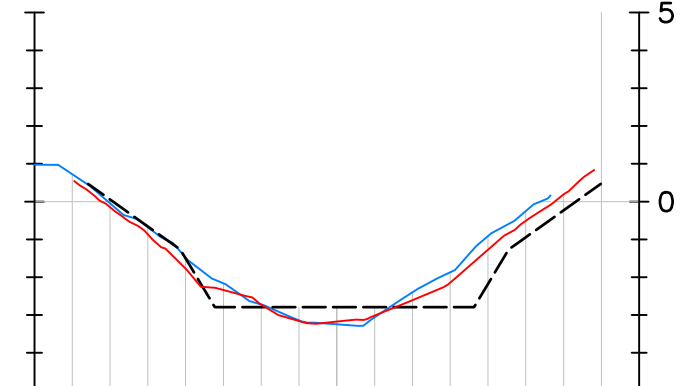
DRAWING NUMBER **14668-DTM-02** REV. **A**

CH 325.0



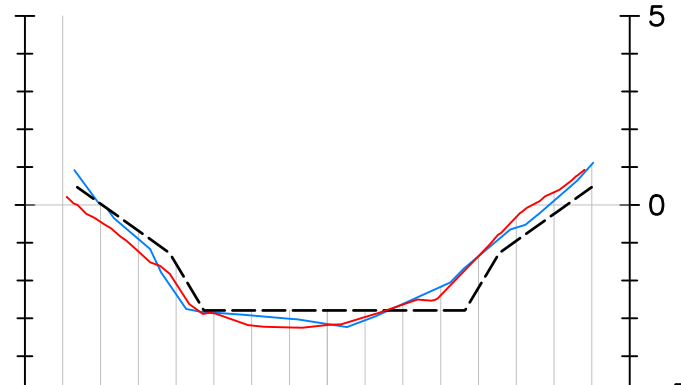
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00	0.52		
-35.00	-0.29	-0.01	-0.28
-30.00	-1.10	-0.59	-0.51
-25.00	-1.97	-1.17	-0.80
-20.00	-2.52	-2.50	-0.03
-15.00	-2.63	-2.79	0.16
-10.00	-2.83	-2.79	-0.04
-5.00	-3.06	-2.79	-0.26
0.00	-3.26	-2.79	-0.46
+5.00	-3.15	-2.79	-0.36
+10.00	-2.75	-2.79	0.04
+15.00	-2.57	-2.79	0.22
+20.00	-2.39	-2.79	0.41
+25.00	-1.74	-1.53	-0.22
+30.00	-1.05	-0.70	-0.34
+35.00	-0.48	-0.02	-0.46
+40.00			

CH 360.0



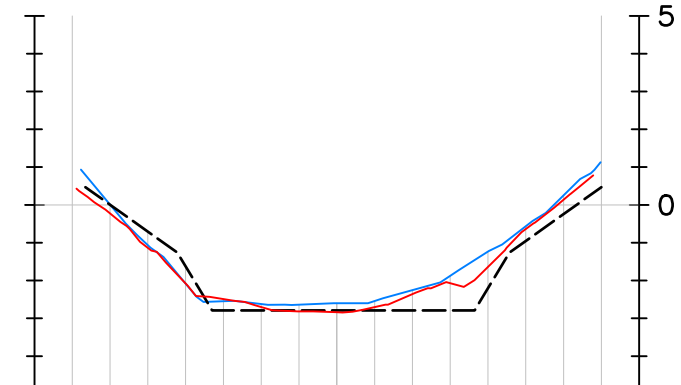
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	-0.15	0.06	-0.20
-25.00	-0.87	-0.66	-0.21
-20.00	-1.77	-1.51	-0.27
-15.00	-2.34	-2.79	0.46
-10.00	-2.72	-2.79	0.07
-5.00	-3.16	-2.79	-0.37
0.00	-3.17	-2.79	-0.38
+5.00	-3.01	-2.79	-0.22
+10.00	-2.61	-2.79	0.18
+15.00	-2.14	-2.79	0.65
+20.00	-1.27	-2.18	0.91
+25.00	-0.51	-0.94	0.44
+30.00	0.19	-0.23	0.42
+35.00			
+40.00			

CH 400.0



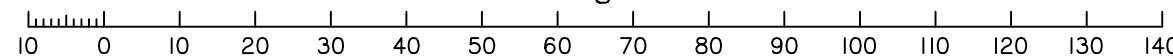
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	-0.45	0.03	-0.48
-25.00	-1.23	-0.68	-0.55
-20.00	-2.08	-1.56	-0.52
-15.00	-2.87	-2.79	-0.08
-10.00	-3.19	-2.79	-0.40
-5.00	-3.24	-2.79	-0.45
0.00	-3.17	-2.79	-0.38
+5.00	-2.96	-2.79	-0.17
+10.00	-2.64	-2.79	0.16
+15.00	-2.39	-2.79	0.40
+20.00	-1.36	-2.19	0.84
+25.00	-0.32	-0.95	0.63
+30.00	0.34	-0.24	0.57
+35.00			
+40.00			

CH 440.0



OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	-0.22	0.01	-0.23
-25.00	-1.14	-0.71	-0.43
-20.00	-2.08	-1.62	-0.46
-15.00	-2.49	-2.79	0.30
-10.00	-2.70	-2.79	0.09
-5.00	-2.82	-2.79	-0.02
0.00	-2.84	-2.79	-0.05
+5.00	-2.70	-2.79	0.09
+10.00	-2.36	-2.79	0.43
+15.00	-2.07	-2.79	0.72
+20.00	-1.64	-2.20	0.56
+25.00	-0.64	-0.96	0.32
+30.00	0.14	-0.24	0.38
+35.00			
+40.00			

Scale 1:1000 - Lengths are in Metres.



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SCRC

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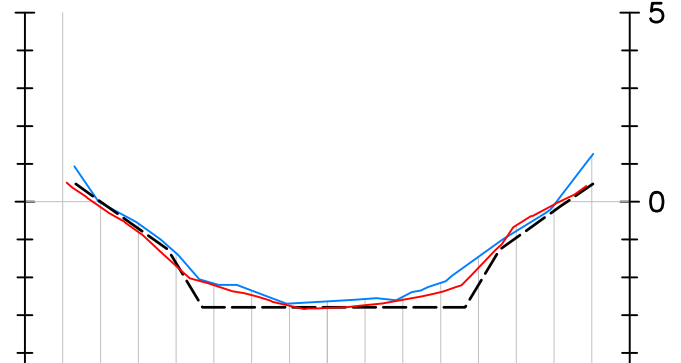
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Locality: MINYAMA
Local Government: SUNSHINE COAST R. C.

SHEET 5 OF 9 Scale **A3 1:1000**

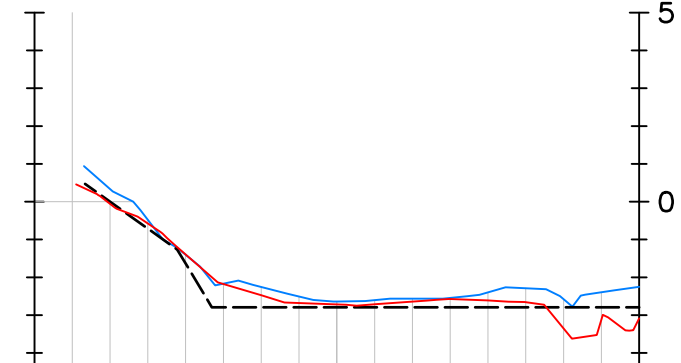
DRAWING NUMBER **14668-DTM-02** REV. **A**

CH 480.0



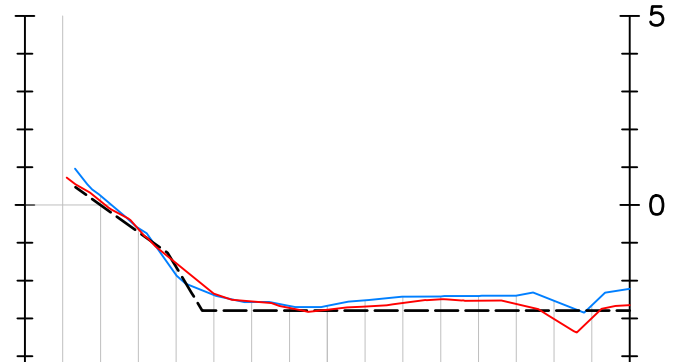
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EXISTING LEVELS Dec 2022			-0.14	-0.80	-1.70	-2.21	-2.47	-2.75	-2.81	-2.74	-2.59	-2.39	-1.75	-0.62	-0.08		
DESIGN LEVELS			0.00	-0.71	-1.63	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.20	-0.95	-0.24	0.45	
DEPTH OF CUT - / FILL+			-0.15	-0.09	-0.07	0.58	0.32	0.04	-0.02	0.05	0.20	0.40	0.45	0.33	0.16		

CH 520.0



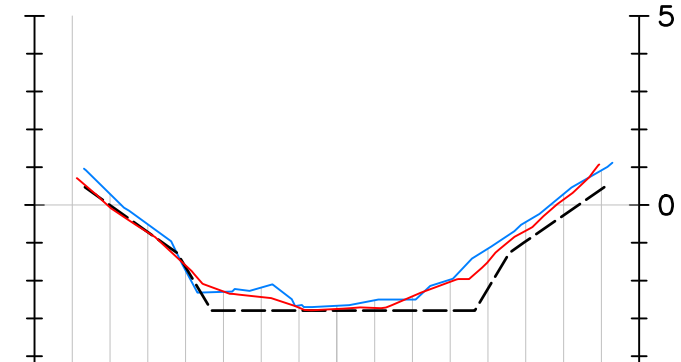
OFFSETS	-40.00	-35.00	-30.00	-25.00	-20.00	-15.00	-10.00	-5.00	0.00	+5.00	+10.00	+15.00	+20.00	+25.00	+30.00	+35.00	+40.00
EXISTING LEVELS Dec 2022			-0.06	-0.58	-1.40	-2.18	-2.47	-2.68	-2.72	-2.71	-2.64	-2.57	-2.61	-2.66	-3.35	-3.12	-3.08
DESIGN LEVELS			0.00	-0.71	-1.64	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79
DEPTH OF CUT - / FILL+			-0.06	0.14	0.24	0.61	0.32	0.11	0.07	0.08	0.15	0.22	0.18	0.13	-0.56	-0.33	-0.29

CH 560.0



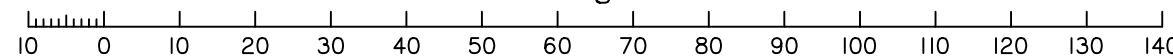
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EXISTING LEVELS Dec 2022			0.10	-0.63	-1.54	-2.35	-2.55	-2.72	-2.77	-2.69	-2.59	-2.50	-2.53	-2.62	-3.02	-2.99	-2.65
DESIGN LEVELS			0.00	-0.72	-1.64	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79
DEPTH OF CUT - / FILL+			0.10	0.08	0.10	0.45	0.24	0.07	0.02	0.11	0.20	0.30	0.26	0.17	-0.23	-0.20	0.14

CH 600.0



OFFSETS	-40.00	-35.00	-30.00	-25.00	-20.00	-15.00	-10.00	-5.00	0.00	+5.00	+10.00	+15.00	+20.00	+25.00	+30.00	+35.00	+40.00
EXISTING LEVELS Dec 2022			-0.07	-0.73	-1.60	-2.29	-2.43	-2.72	-2.75	-2.72	-2.42	-2.03	-1.50	-0.68	0.15		
DESIGN LEVELS			-0.01	-0.72	-1.65	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.21	-0.96	-0.27	0.42	
DEPTH OF CUT - / FILL+			-0.06	-0.01	0.05	0.50	0.36	0.07	0.04	0.07	0.38	0.76	0.71	0.28	0.42		

Scale 1:1000 - Lengths are in Metres.



SCRC

**HYDROGRAPHIC SURVEY
Kawana Canal
Minyama**

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- BOUNDARIES SHOWN ARE COMPILED FROM DCDB DATA.
- CONTOUR INTERVAL SHOWN IS 0.5 METRE.
- SECTION VIEW VERTICAL SCALE 5 x EXAGGERATION 1:200

METHOD

- HORIZONTAL & VERTICAL POSITIONING HAS BEEN DERIVED VIA RTK GPS AND CEE ECHO SINGLE BEAM ECHO SOUNDER (200 KHZ TRANSDUCER).
- DATA POST PROCESSED USING HYPACK HYDROGRAPHIC SURVEY SOFTWARE. DIGITAL TERRAIN MODEL CREATED WITH CIVIL3D (2020) SOFTWARE.
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LEGEND

- 2022 SURVEY
- 2003 SURVEY
- DESIGN PROFILE



Revisions	Surveyed	Drawn	Checked	Passed	Date
A					31.01.23



SUNSHINE COAST
PO Box 1073, Buddina QLD 4575 Ph: (07) 5437 8555
mail@dsqsurvey.com ABN: 91 615 043 251
www.dsqsurvey.com ACN: 615 043 251
TOOWOOMBA - DALBY - CHINCHILLA

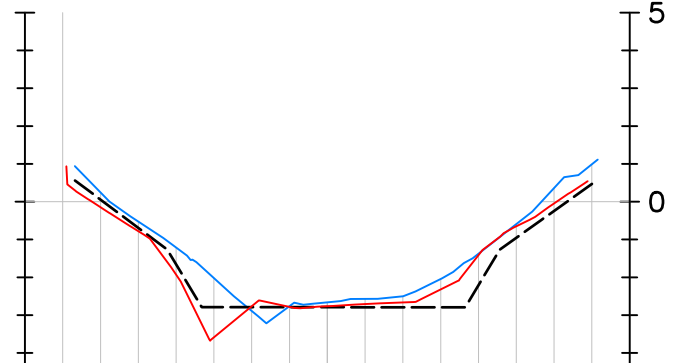
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Origin CORS Origin PSM 182499
RL 2.055

Locality: MINYAMA
Local Government: SUNSHINE COAST R. C.

SHEET 6 OF 9 Scale A3 1:1000

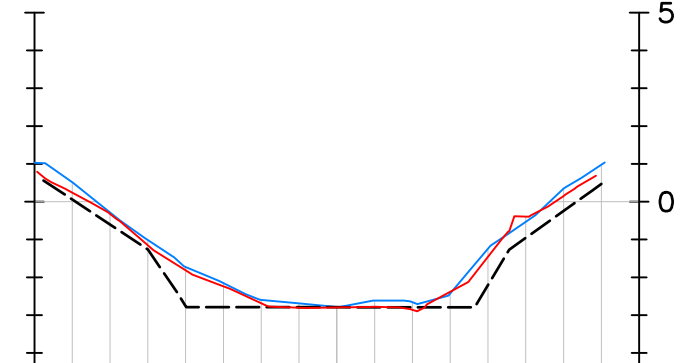
DRAWING NUMBER 14668-DTM-02 REV. A

CH 640.0



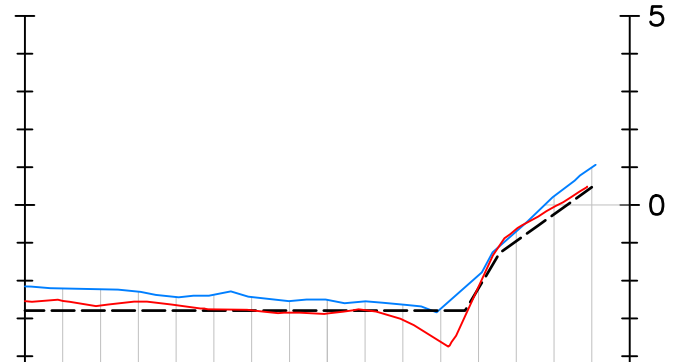
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	-0.15	0.06	-0.20
-25.00	-0.78	-0.69	-0.09
-20.00	-1.93	-1.66	-0.27
-15.00	-3.59	-2.79	-0.80
-10.00	-2.77	-2.79	0.02
-5.00	-2.78	-2.79	0.01
0.00	-2.77	-2.79	0.03
+5.00	-2.71	-2.79	0.08
+10.00	-2.66	-2.79	0.13
+15.00	-2.32	-2.79	0.47
+20.00	-1.42	-2.21	0.79
+25.00	-0.65	-0.96	0.31
+30.00	-0.05	-0.24	0.20
+35.00		0.47	
+40.00			

CH 680.0



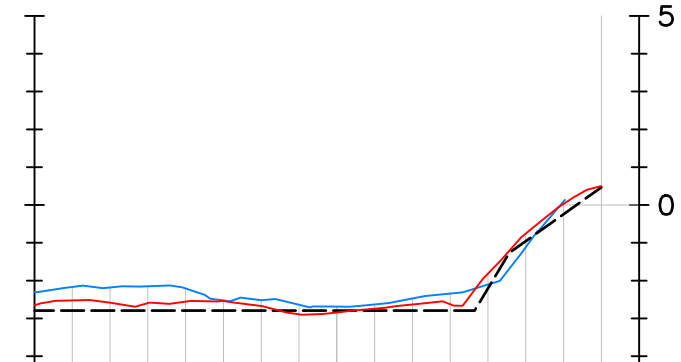
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-40.00			
-35.00	0.24	0.06	0.18
-30.00	-0.32	-0.60	0.28
-25.00	-1.15	-1.27	0.11
-20.00	-1.82	-2.77	0.95
-15.00	-2.24	-2.79	0.55
-10.00	-2.69	-2.79	0.10
-5.00	-2.81	-2.79	-0.01
0.00	-2.80	-2.79	-0.01
+5.00	-2.78	-2.79	0.01
+10.00	-2.86	-2.79	-0.07
+15.00	-2.38	-2.79	0.41
+20.00	-1.46	-2.20	0.75
+25.00	-0.40	-0.96	0.56
+30.00	0.15	-0.24	0.39
+35.00		0.47	
+40.00			

CH 720.0



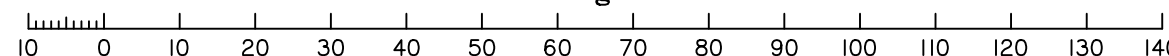
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-35.00	-2.54	-2.79	0.25
-30.00	-2.54	-2.79	0.25
-25.00	-2.66	-2.79	0.13
-20.00	-2.56	-2.79	0.23
-15.00	-2.65	-2.79	0.14
-10.00	-2.76	-2.79	0.03
-5.00	-2.78	-2.79	0.01
0.00	-2.85	-2.79	-0.06
+5.00	-2.87	-2.79	-0.08
+10.00	-2.78	-2.79	0.01
+15.00	-3.04	-2.79	-0.25
+20.00	-3.62	-2.79	-0.83
+25.00	-2.16	-2.20	0.04
+30.00	-0.64	-0.96	0.32
+35.00	-0.05	-0.24	0.19
+40.00		0.47	

CH 760.0



OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00	-2.65	-2.79	0.14
-30.00	-2.52	-2.79	0.27
-25.00	-2.58	-2.79	0.21
-20.00	-2.60	-2.79	0.20
-15.00	-2.56	-2.79	0.24
-10.00	-2.54	-2.79	0.25
-5.00	-2.67	-2.79	0.12
0.00	-2.89	-2.79	-0.10
+5.00	-2.84	-2.79	-0.05
+10.00	-2.74	-2.79	0.05
+15.00	-2.63	-2.79	0.16
+20.00	-2.63	-2.79	0.17
+25.00	-1.82	-2.20	0.39
+30.00	-0.76	-0.96	0.20
+35.00	0.03	-0.24	0.27
+40.00			

Scale 1:1000 - Lengths are in Metres.



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SCRC

HYDROGRAPHIC SURVEY Kawana Canal Minyama

GENERAL NOTES:

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- CONTOUR INTERVAL SHOWN IS 0.5 METRE.
- SECTION VIEW VERTICAL SCALE 5 x EXAGGERATION 1:200

METHOD

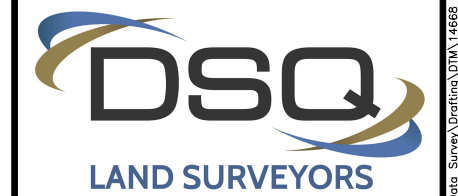
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LEGEND

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Revisions	Surveyed	Drawn	Checked	Passed	Date
A					31.01.23



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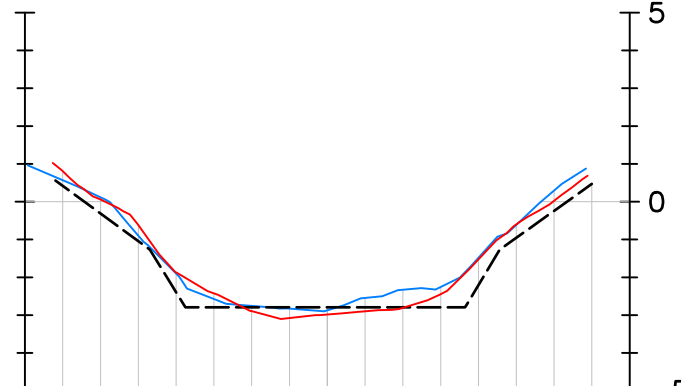
Horiz. Datum MGA2020-56 Vert. Datum AHD
Origin CORS Origin PSM 182499
RL 2.055

Locality: MINYAMA
Local Government: SUNSHINE COAST R. C.

SHEET 7 OF 9 Scale A3 1:1000

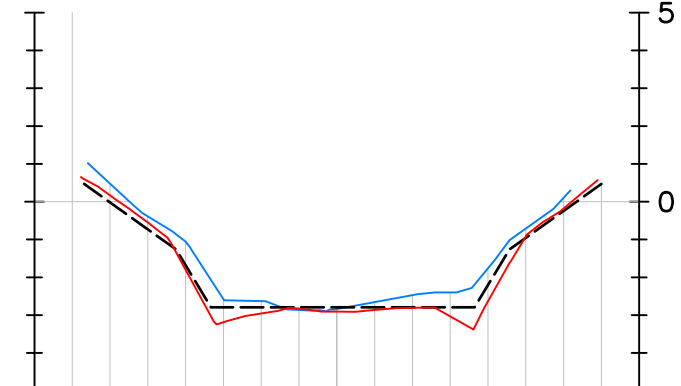
DRAWING NUMBER 14668-DTM-02 REV. A

CH 800.0



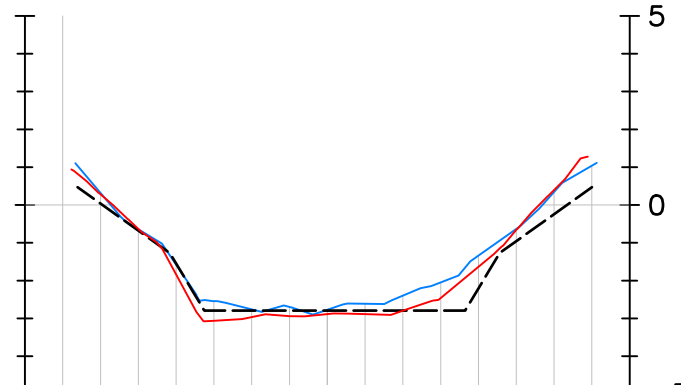
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-30.00	0.06	-0.31	0.37
-25.00	-0.62	-1.04	0.42
-20.00	-1.87	-2.39	0.52
-15.00	-2.42	-2.79	0.37
-10.00	-2.89	-2.79	-0.10
-5.00	-3.08	-2.79	-0.29
0.00	-2.98	-2.79	-0.19
+5.00	-2.90	-2.79	-0.11
+10.00	-2.81	-2.79	-0.01
+15.00	-2.44	-2.79	0.35
+20.00	-1.52	-2.20	0.68
+25.00	-0.60	-0.96	0.35
+30.00	0.02	-0.24	0.27
+35.00		0.47	
+40.00			

CH 840.0



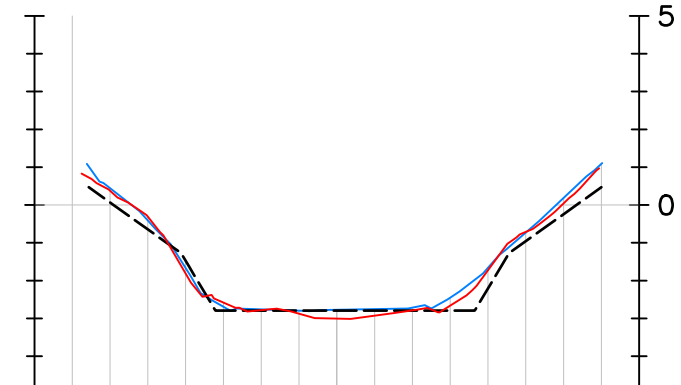
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	0.17	-0.02	0.19
-25.00	-0.55	-0.73	0.18
-20.00	-1.80	-1.68	-0.12
-15.00	-3.19	-2.79	-0.40
-10.00	-2.96	-2.79	-0.17
-5.00	-2.83	-2.79	-0.04
0.00	-2.91	-2.79	-0.12
+5.00	-2.87	-2.79	-0.07
+10.00	-2.81	-2.79	-0.02
+15.00	-3.03	-2.79	-0.24
+20.00	-2.63	-2.20	-0.43
+25.00	-0.92	-0.96	0.04
+30.00	-0.18	-0.24	0.07
+35.00		0.47	
+40.00			

CH 880.0



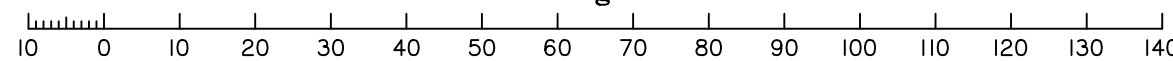
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	0.28	0.04	0.24
-25.00	-0.63	-0.68	0.04
-20.00	-1.84	-1.55	-0.29
-15.00	-3.06	-2.79	-0.27
-10.00	-2.96	-2.79	-0.17
-5.00	-2.94	-2.79	-0.15
0.00	-2.89	-2.79	-0.09
+5.00	-2.89	-2.79	-0.10
+10.00	-2.80	-2.79	-0.01
+15.00	-2.46	-2.79	0.33
+20.00	-1.63	-2.20	0.57
+25.00	-0.66	-0.96	0.30
+30.00	0.39	-0.24	0.64
+35.00		0.47	
+40.00			

CH 920.0



OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	0.38	0.07	0.31
-25.00	-0.31	-0.65	0.33
-20.00	-1.82	-1.48	-0.34
-15.00	-2.58	-2.79	0.21
-10.00	-2.78	-2.79	0.01
-5.00	-2.87	-2.79	-0.08
0.00	-3.00	-2.79	-0.21
+5.00	-2.93	-2.79	-0.14
+10.00	-2.79	-2.79	0.00
+15.00	-2.66	-2.79	0.13
+20.00	-1.73	-2.21	0.48
+25.00	-0.71	-0.96	0.24
+30.00	0.04	-0.24	0.29
+35.00		0.47	
+40.00			

Scale 1:1000 - Lengths are in Metres.



SCRC

**HYDROGRAPHIC SURVEY
Kawana Canal
Minyama**

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METHOD

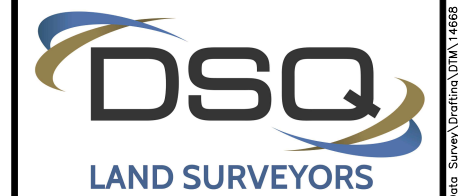
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Revisions	Surveyed	Drawn	Checked	Passed	Date
A					31.01.23



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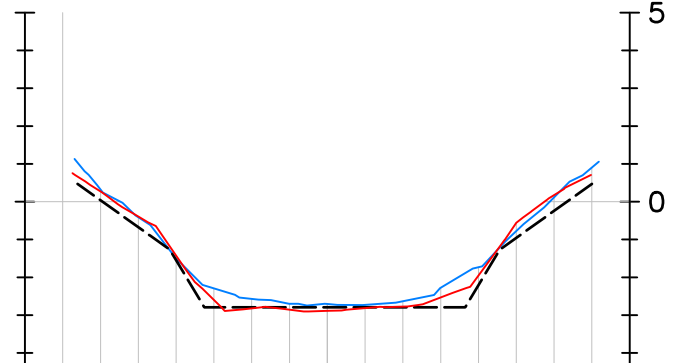
Horiz. Datum MGA2020-56 Vert. Datum AHD
Origin CORS Origin PSM 182499
RL 2.055

Locality: MINYAMA
Local Government: SUNSHINE COAST R. C.

SHEET 8 OF 9 Scale **A3 1:1000**

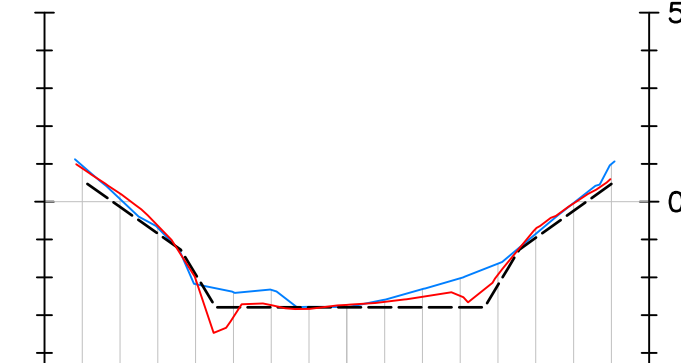
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CH 960.0



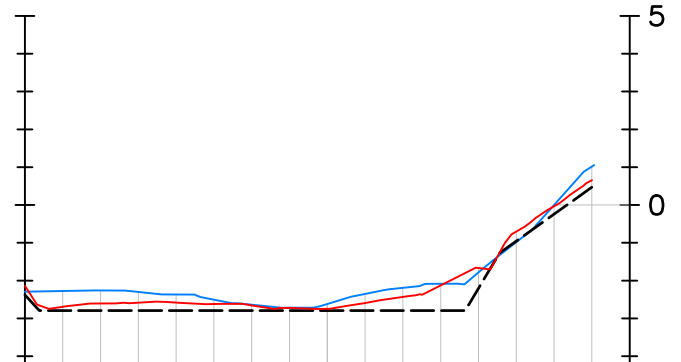
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-40.00			
-35.00			
-30.00	0.27	0.04	0.23
-25.00	-0.39	-0.68	0.28
-20.00	-1.43	-1.55	0.12
-15.00	-2.60	-2.79	0.20
-10.00	-2.82	-2.79	-0.03
-5.00	-2.86	-2.79	-0.07
0.00	-2.89	-2.79	-0.10
+5.00	-2.81	-2.79	-0.02
+10.00	-2.78	-2.79	0.02
+15.00	-2.53	-2.79	0.26
+20.00	-1.95	-2.21	0.25
+25.00	-0.56	-0.96	0.40
+30.00	0.17	-0.24	0.42
+35.00		0.47	
+40.00			

CH 1000.0



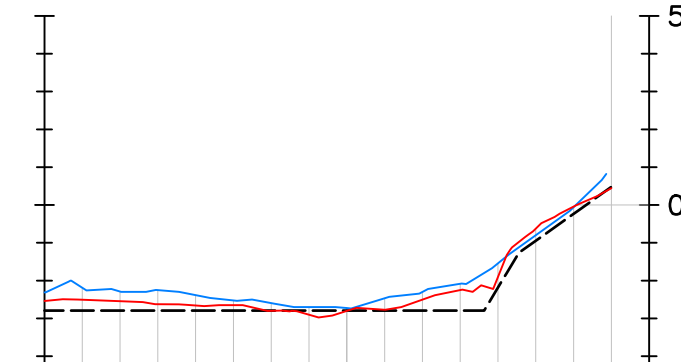
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-35.00	0.88		
-30.00	0.21	-0.14	0.35
-25.00	-0.64	-0.84	0.21
-20.00	-2.05	-1.92	-0.13
-15.00	-3.05	-2.79	-0.26
-10.00	-2.74	-2.79	0.06
-5.00	-2.84	-2.79	-0.05
0.00	-2.73	-2.79	0.06
+5.00	-2.65	-2.79	0.14
+10.00	-2.51	-2.79	0.28
+15.00	-2.49	-2.79	0.30
+20.00	-1.93	-2.20	0.27
+25.00	-0.71	-0.96	0.24
+30.00	-0.05	-0.24	0.20
+35.00			
+40.00			

CH 1040.0



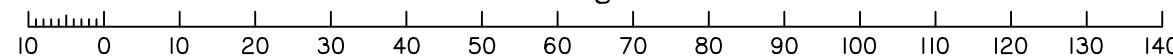
OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00	-2.14	-2.38	0.24
-35.00	-2.69	-2.79	0.10
-30.00	-2.61	-2.79	0.19
-25.00	-2.58	-2.79	0.21
-20.00	-2.58	-2.79	0.21
-15.00	-2.62	-2.79	0.17
-10.00	-2.65	-2.79	0.14
-5.00	-2.72	-2.79	0.07
0.00	-2.75	-2.79	0.05
+5.00	-2.59	-2.79	0.20
+10.00	-2.43	-2.79	0.36
+15.00	-2.13	-2.79	0.67
+20.00	-1.67	-2.20	0.54
+25.00	-0.70	-0.96	0.25
+30.00	-0.03	-0.24	0.21
+35.00	0.65	0.47	0.18
+40.00			

CH 1080.0



OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00	-2.54	-2.79	0.25
-35.00	-2.50	-2.79	0.29
-30.00	-2.55	-2.79	0.25
-25.00	-2.63	-2.79	0.17
-20.00	-2.66	-2.79	0.13
-15.00	-2.65	-2.79	0.14
-10.00	-2.80	-2.79	-0.01
-5.00	-2.90	-2.79	-0.11
0.00	-2.80	-2.79	-0.01
+5.00	-2.77	-2.79	0.02
+10.00	-2.50	-2.79	0.29
+15.00	-2.25	-2.79	0.54
+20.00	-1.90	-2.18	0.28
+25.00	-0.63	-0.95	0.32
+30.00	-0.04	-0.23	0.19
+35.00			
+40.00			

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**HYDROGRAPHIC SURVEY
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Minyama**

GENERAL NOTES:

1. VISIBLE SERVICES ONLY HAVE BEEN LOCATED. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATION OF ALL SERVICES.
2. MGA2020 ZONE 56 COORDINATES & AHD ELEVATIONS DERIVED FROM : CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS)
3. DATA SET COORDINATES ARE TRUE MGA.
4. BOUNDARIES HAVE NOT BEEN SURVEYED OR REINSTATED
5. BOUNDARIES SHOWN ARE COMPILED FROM DCDB DATA.
6. CONTOUR INTERVAL SHOWN IS 0.5 METRE.
7. SECTION VIEW VERTICAL SCALE 5 x EXAGGERATION 1:200

METHOD

1. HORIZONTAL & VERTICAL POSITIONING HAS BEEN DERIVED VIA RTK GPS AND CEE ECHO SINGLE BEAM ECHO SOUNDER (200 KHZ TRANSDUCER).
2. DATA POST PROCESSED USING HYPACK HYDROGRAPHIC SURVEY SOFTWARE. DIGITAL TERRAIN MODEL CREATED WITH CIVIL3D (2020) SOFTWARE.
3. THIS IS A CLASS C HYDROGRAPHIC SURVEY AS DEFINED BY MARITIME SAFETY QLD - STANDARDS FOR HYDROGRAPHIC SURVEYS
4. CALIBRATION OF ECHO SOUNDER & RTK GPS PERFORMED AT START & END OF EACH DAY DURING PERIOD OF SURVEY.

LEGEND

- 2022 SURVEY
- 2003 SURVEY
- - - DESIGN PROFILE



Revisions	Surveyed	Drawn	Checked	Passed	Date	
A	ORIGINAL PLAN	LJS	PJC	AJP	AJP	31.01.23



SUNSHINE COAST
 PO Box 1073, Buddina QLD 4575 Ph: (07) 5437 8555
 mail@dsqsurvey.com ABN: 91 615 043 251
 www.dsqsurvey.com ACN: 615 043 251
 TOOWOOMBA - DALBY - CHINCHILLA

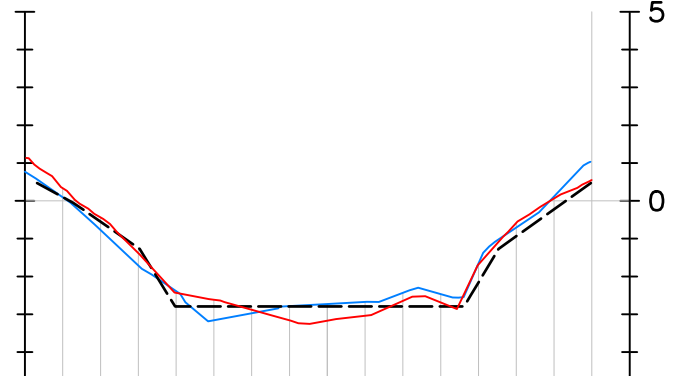
Horiz. Datum MGA2020-56	Vert. Datum AHD
Origin CORS	Origin PSM 182499 RL 2.055

Locality: MINYAMA
 Local Government: SUNSHINE COAST R. C.

SHEET 9 OF 9 Scale **A3 1:1000**

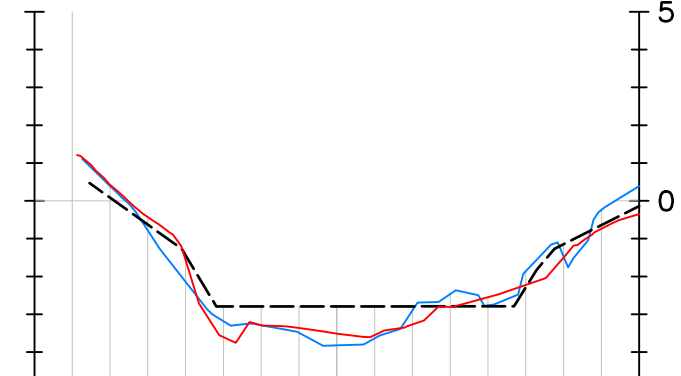
DRAWING NUMBER **14668-DTM-02** REV. **A**

CH 1120.0



OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00	0.33	0.10	0.23
-30.00	-0.44	-0.55	0.11
-25.00	-1.38	-1.24	-0.14
-20.00	-2.43	-2.79	0.36
-15.00	-2.62	-2.79	0.18
-10.00	-2.88	-2.79	-0.09
-5.00	-3.16	-2.79	-0.37
0.00	-3.17	-2.79	-0.38
+5.00	-3.04	-2.79	-0.25
+10.00	-2.65	-2.79	0.15
+15.00	-2.69	-2.79	0.11
+20.00	-1.68	-2.16	0.48
+25.00	-0.58	-0.94	0.35
+30.00	0.06	-0.22	0.29
+35.00			
+40.00			

CH 1160.0



OFFSETS	EXISTING LEVELS Dec 2022	DESIGN LEVELS	DEPTH OF CUT - / FILL+
-40.00			
-35.00			
-30.00	0.42	0.08	0.34
-25.00	-0.43	-0.63	0.20
-20.00	-1.57	-1.44	-0.12
-15.00	-3.60	-2.79	-0.81
-10.00	-3.29	-2.79	-0.50
-5.00	-3.36	-2.79	-0.57
0.00	-3.51	-2.79	-0.72
+5.00	-3.55	-2.79	-0.76
+10.00	-3.27	-2.79	-0.48
+15.00	-2.80	-2.79	-0.01
+20.00	-2.55	-2.79	0.24
+25.00	-2.22	-2.29	0.06
+30.00	-1.50	-1.15	-0.36
+35.00	-0.74	-0.64	-0.10
+40.00	-0.35	-0.14	-0.21

Scale 1:1000 - Lengths are in Metres.

