

**MAROCHYDORE BEACH
MONITORING SURVEY
06/03/2023**

GENERAL NOTES:

- MGA COORDINATES & AHD ELEVATIONS DERIVED FROM GPS SURVEY. HORIZONTAL & VERTICAL DATUM DERIVED FROM:
PSM 98469 (THE SPIT, MOOLOOLABA)
E 513141.644, N 7048551.660, RL 3.598 AHD
PSM 103110 (BEACH TCE, ALEXANDRA HEADLANDS)
E 511822.513, N 7049228.513, RL 4.157 AHD
PSM 119624 (BOAT HARBOUR, MOOLOOLABA)
E 513169.258, N 7048974.319, RL 3.133 AHD
- BOUNDARIES HAVE NOT BEEN SURVEYED OR REINSTATED
- BOUNDARIES SHOWN ARE COMPILED FROM DCDB DATA.
- CONTOUR INTERVAL SHOWN IS 0.5 METRE.

LEGEND

- 1.0 CUT FILL DEPTH
- 1.20m H.A.T.
- 0.00m M.S.L.
- 2.0m MAJOR CONTOUR INTERVAL
- 0.5m MINOR CONTOUR INTERVAL
- DCDB BOUNDARIES
- CURRENT SURVEY EXTENTS

SURFACE ELEVATION DATA			
NUMBER	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR
1	-3.00	-2.75	Red
2	-2.75	-2.50	Red
3	-2.50	-2.25	Red
4	-2.25	-2.00	Orange
5	-2.00	-1.75	Orange
6	-1.75	-1.50	Yellow
7	-1.50	-1.25	Yellow
8	-1.25	-1.00	Light Green
9	-1.00	-0.75	Light Green
10	-0.75	-0.50	Light Green
11	-0.50	-0.25	Light Green
12	-0.25	0.00	Light Green
13	0.00	0.25	Light Green
14	0.25	0.50	Light Green
15	0.50	0.75	Light Green
16	0.75	1.00	Light Green
17	1.00	1.25	Light Green
18	1.25	1.50	Light Green
19	1.50	1.75	Light Green
20	1.75	2.00	Light Green
21	2.00	2.25	Light Green
22	2.25	2.50	Light Green
23	2.50	2.75	Light Green
24	2.75	3.00	Light Green

COMPARISON DTM
Previous 03/02/2023 to Latest 06/03/2023
Contours shown from Survey on 06/03/2023

- CUT/LOSS (-) AREA Indicating Latest Survey Surface lower than previous Surface
- FILL/GAIN (+) AREA Indicating latest Survey Surface higher than previous Surface

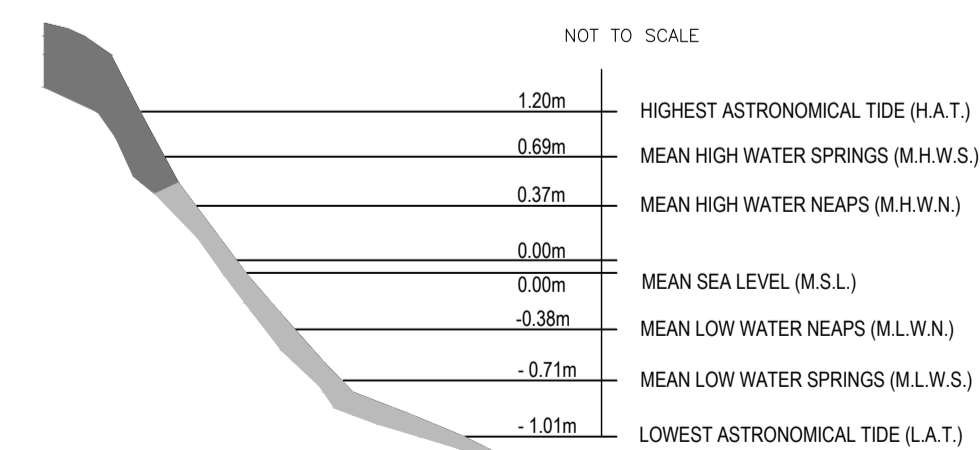
Net Volume between the surveys above calculates a loss (Cut) of 10,700m³

Area of Volume surface shown 129,920m²

Net Volume between the Latest Survey 06/03/2023 to the Base Survey 08/12/2016 calculates a loss (Cut) of 57,980m³

Area of Volume surface shown 125,050m²

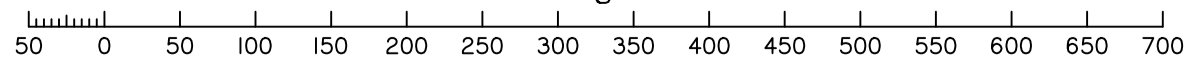
**Maroochydore Beach
SEMIDIURNAL TIDAL PLANES (2022)**



NOTE:
ALL LEVELS AND CONTOURS ARE RELATED TO A.H.D (AUST HEIGHT DATUM)

MAROOCHYDORE BEACH MONITORING		
Survey Date	Volume to Base (m ³)	Volume to Previous (m ³)
Base - 8/12/2016	0	0
23/03/2017	-18800	-18800
6/06/2017	-29600	-10800
29/09/2017	93700	119200
15/12/2017	25900	-62270
13/03/2018	-7335	-33070
25/06/2018	-6500	4570
21/09/2018	17400	23900
6/12/2018	-19800	-37320
19/03/2019	-39500	-21200
13/06/2019	-18570	22000
26/09/2019	12400	31500
10/12/2019	45780	32620
10/03/2020	-5840	-52150
18/06/2020	7060	13170
15/09/2020	18570	15520
11/12/2020	55680	24380
29/03/2021	8230	-40390
9/04/2021	-16250	-21010
3/06/2021	1000	6170
6/10/2021	26290	33790
1/12/2021	43700	21320
16/03/2022	-23430	-50800
10/06/2022	-59670	-37380
6/12/2022	-73750	-3900
3/02/2023	-63530	15700
6/03/2023	-57980	-10700

Scale 1:5000 - Lengths are in Metres.



Revisions	Surveyed	Drawn	Checked	Passed	Date	
A		LM	JJ	AJP	AJP	06/03/23



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WESTERN DOWNS

Signed _____
Cadastral Surveyor/Director
Date _____

Map Ref.: -	Vert. Datum AHD
Horiz. Datum MGA Z56	Origin PSM 103110
Origin SEE ABOVE	RL 4.157

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

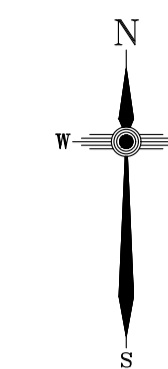
SHEET 1 OF 11 Scale **A1 1:5000**

File 13048_MCHY-27.dwg Date 06/03/23

DRAWING NUMBER **13048 MCHY-27** REV. **A**

SCRC

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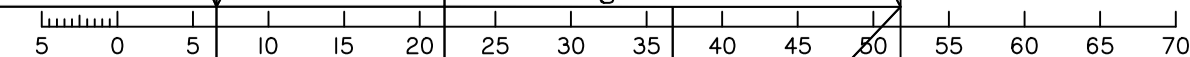
SHEET 2 OF 11 Scale **A1 1:500**

File 13048 MCHY-27.dwg Date 06/03/23

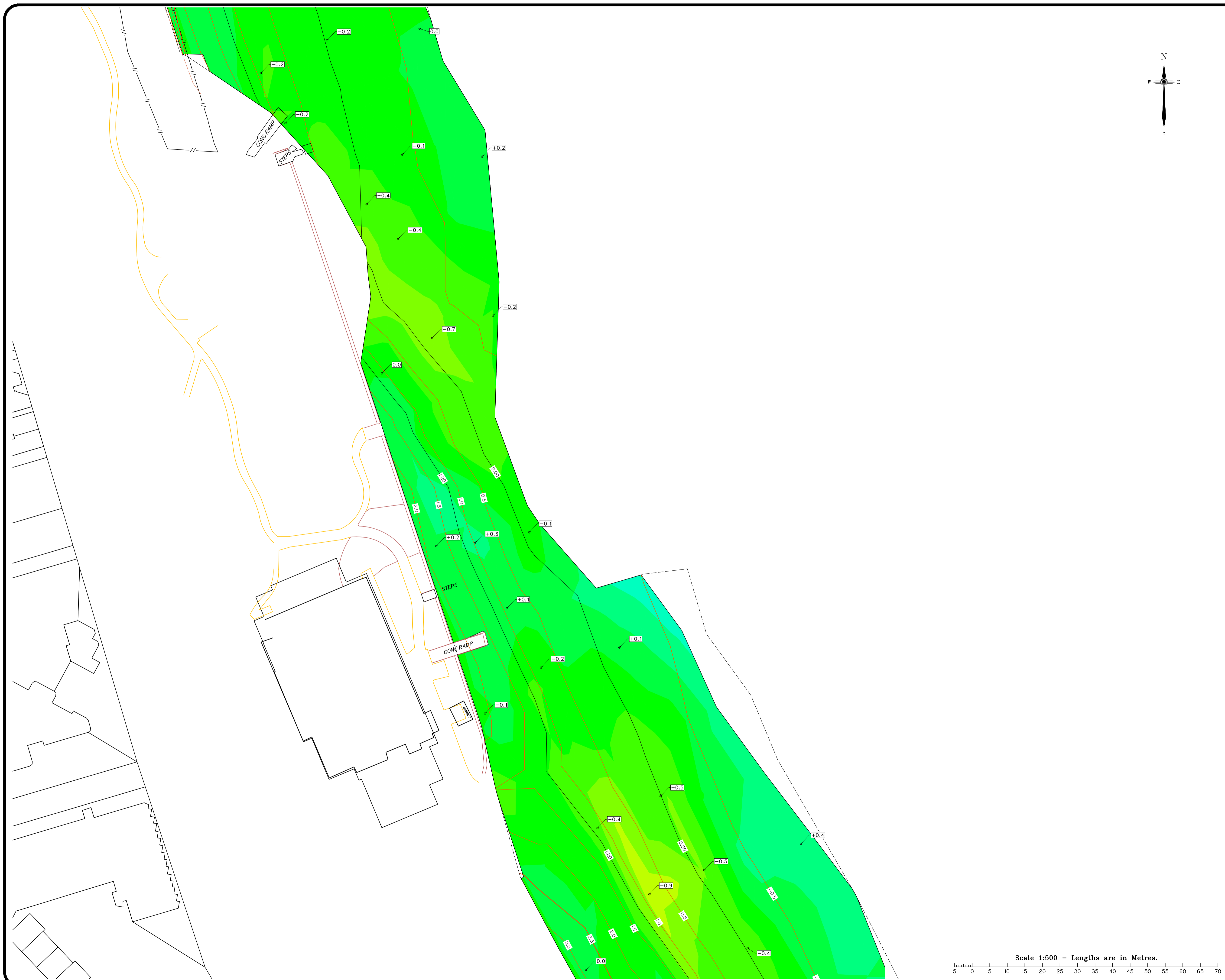
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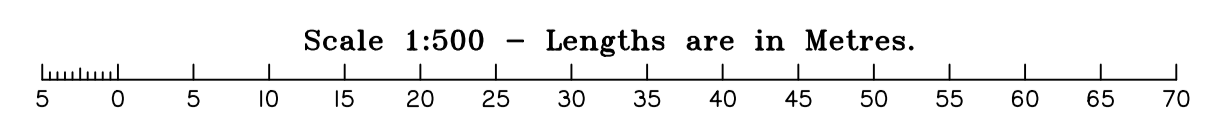
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Locality: MAROOCHYDORE		
Local Government: SUNSHINE COAST R. C.		
SHEET 3 OF 11	Scale	A1 1:500
File 13048 MCHY-27.dwg	Date 06/03/23	
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13048 MCHY-27		A



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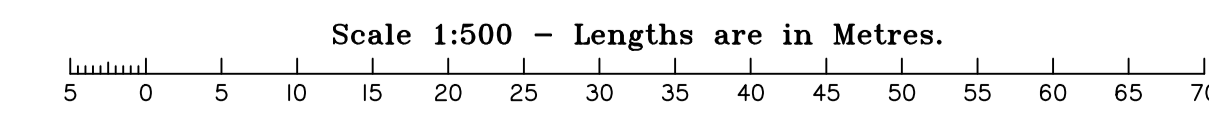
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Origin SEE ABOVE Origin PSM 103110
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SHEET 4 OF 11 Scale **A1 1:500**

File 13048 MCHY-27.dwg Date 06/03/23
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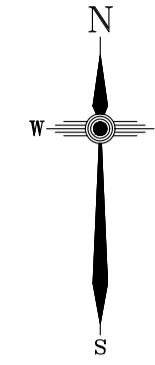


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SHEET 5 OF 11	Scale	A1 1:500
File 13048 MCHY-27.dwg	Date	06/03/23

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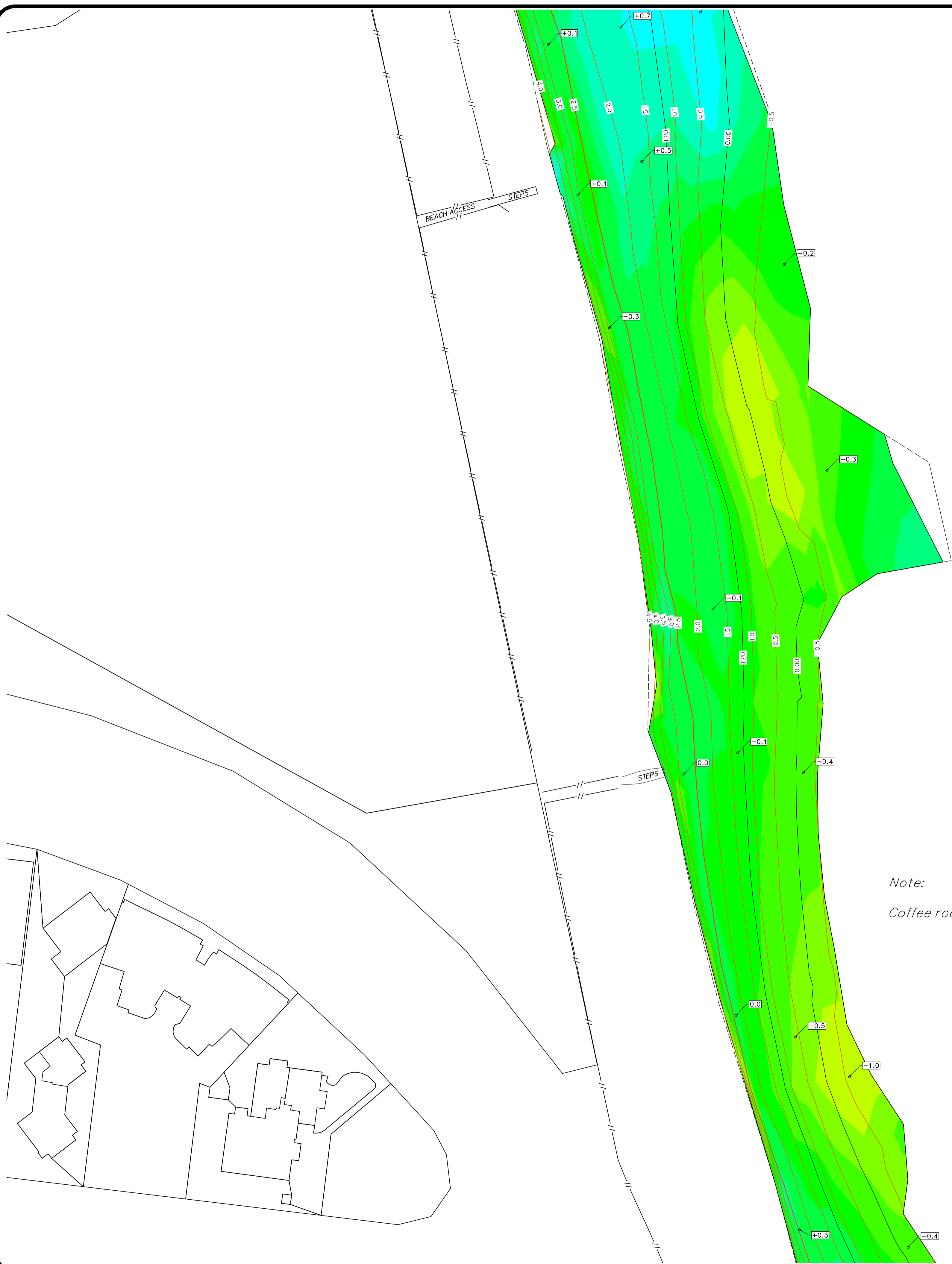
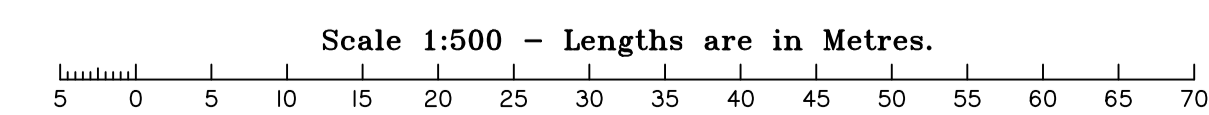
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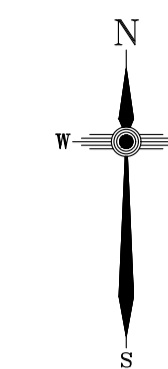
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Locality: MAROOCHYDORE		
Local Government: SUNSHINE COAST R. C.		
SHEET 6 OF 11	Scale	A1 1:500
File 13048 MCHY-27.dwg	Date	06/03/23
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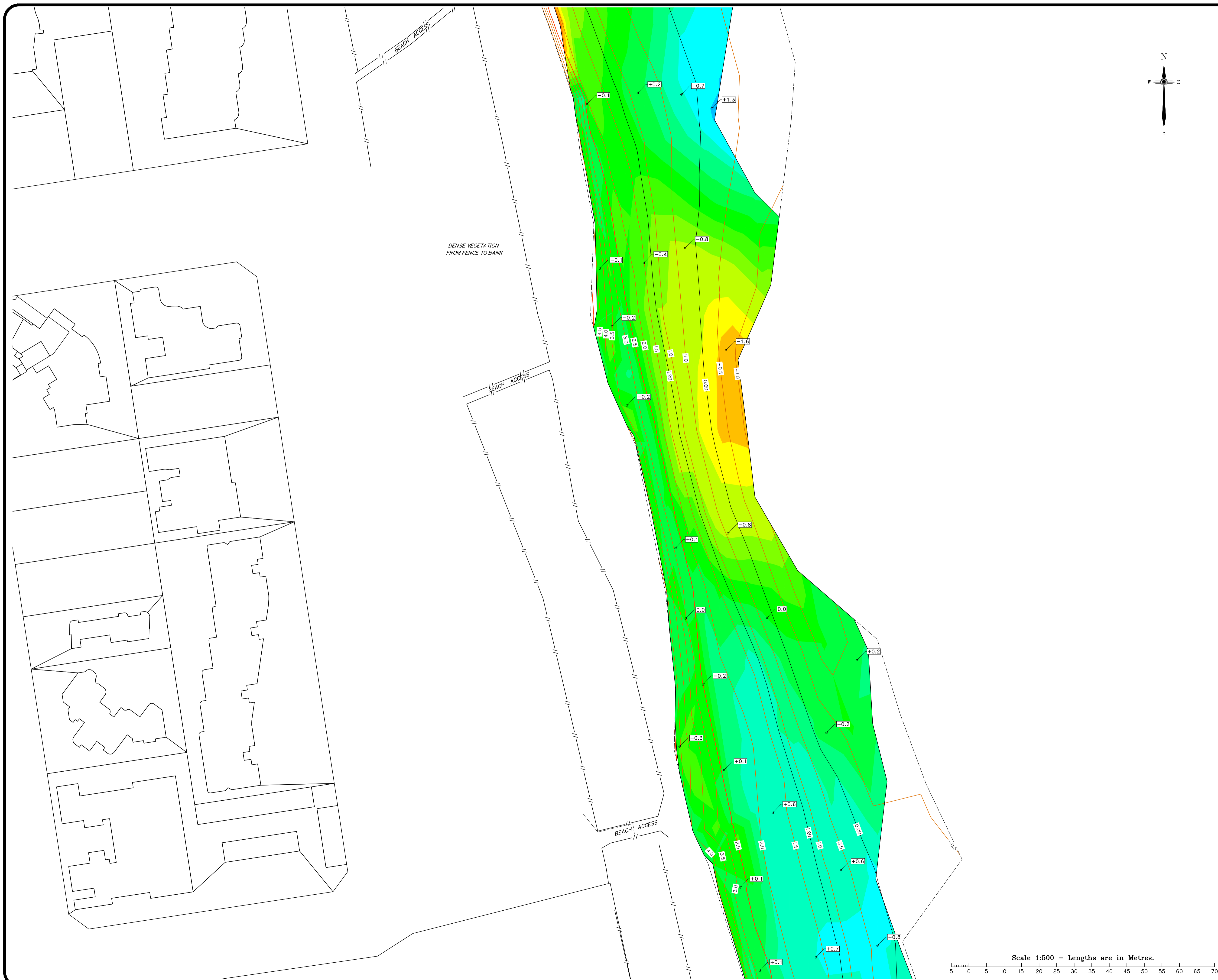
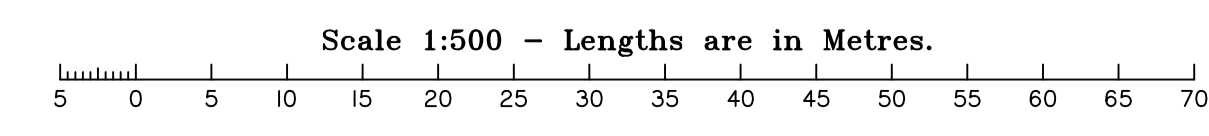
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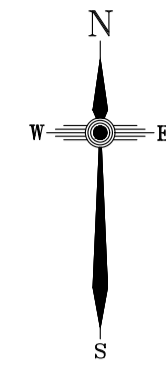


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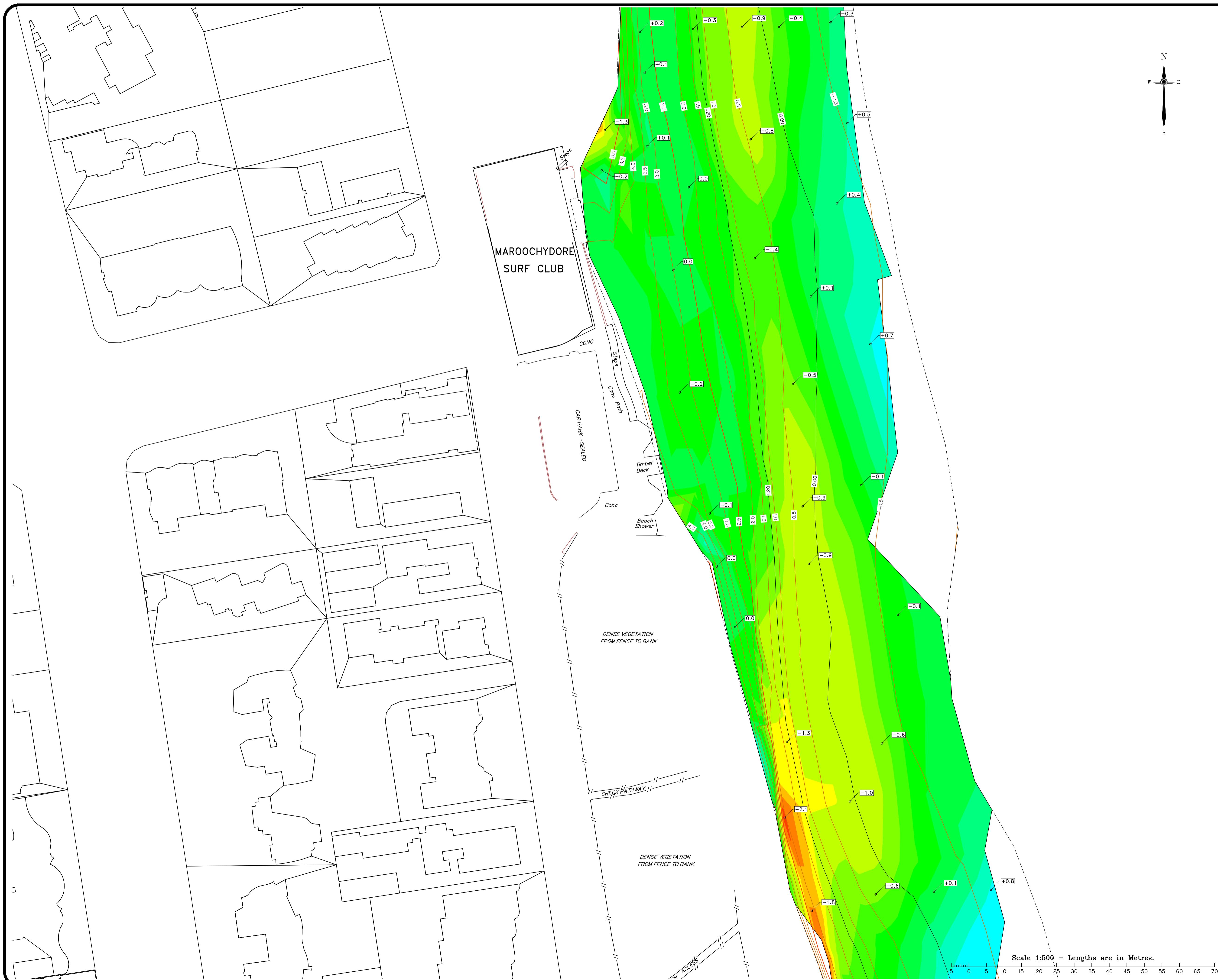
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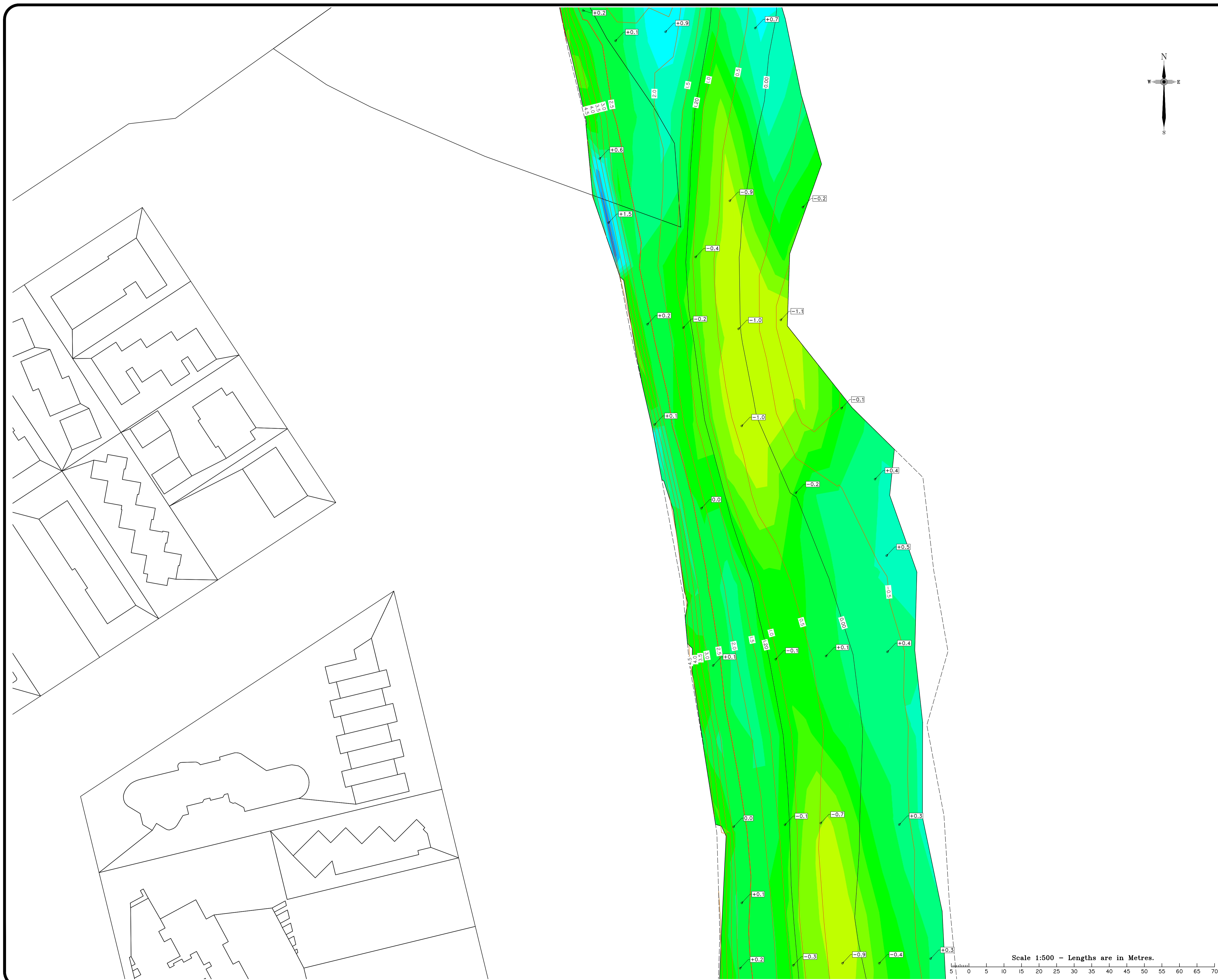
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www.dsqsurvey.com ACN: 615 043 251
WESTERN DOWNS

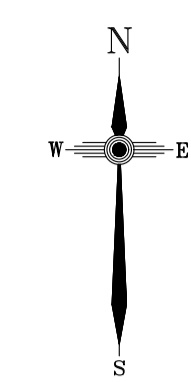
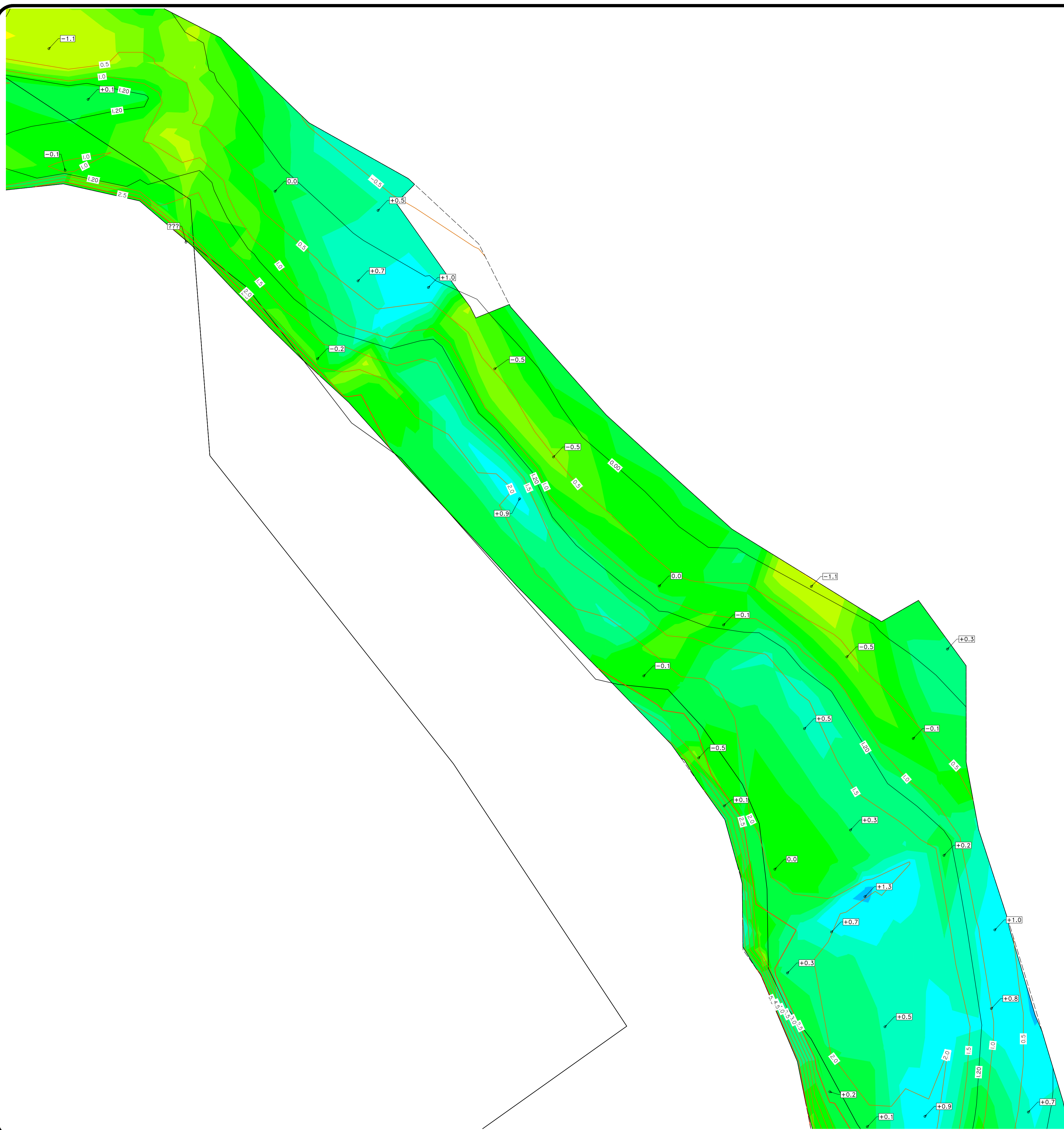
Signed _____
Cadastral Surveyor/Director
Date _____

Map Ref.: -	
Horiz. Datum MGA Z56 Origin SEE ABOVE	Vert. Datum AHD Origin PSM 103110 RL 4.157
Locality: MAROOCHYDORE	
Local Government: SUNSHINE COAST R. C.	
SHEET 9 OF 11	Scale A1 1:500
File 13048_MCHY-27.dwg	Date 06/03/23
DRAWING NUMBER 13048 MCHY-27	REV. A



Scale 1:500 - Lengths are in Metres.

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SCRC

MAROOCHYDORE BEACH MONITORING SURVEY 06/03/2023

GENERAL NOTES:

1. MGA COORDINATES & AHD ELEVATIONS DERIVED FROM GPS SURVEY.
HORIZONTAL & VERTICAL DATUM DERIVED FROM:
PSM 98469 (THE SPIT, MOOLOOLABA)
E 513141.644, N 7048551.660, RL 3.598 AHD
PSM 103110 (BEACH TCE, ALEXANDRA HEADLANDS)
E 511822.513, N 7049228.513, RL 4.157 AHD
PSM 119624 (BOAT HARBOUR, MOOLOOLABA)
E 513169.258, N 7048974.319, RL 3.133 AHD
2. BOUNDARIES HAVE NOT BEEN SURVEYED OR REINSTATED
3. BOUNDARIES SHOWN ARE COMPILED FROM DCDB DATA.
4. CONTOUR INTERVAL SHOWN IS 0.5 METRE.

LEGEND

- CUT FILL DEPTH
- 1.20m H.A.T.
- 0.00m M.S.L.
- 2.0m MAJOR CONTOUR INTERVAL
- 0.5m MINOR CONTOUR INTERVAL
- DCDB BOUNDARIES
- CURRENT SURVEY EXTENTS

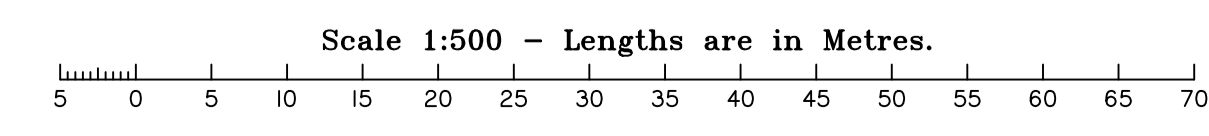
Revisions	Surveyed	Drawn	Checked	Passed	Date
A ORIGINAL PLAN	LM	JJ	AJP	AJP	06.03.23



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Horiz. Datum MGA Z56	Vert. Datum AHD
Origin SEE ABOVE	Origin PSM 103110 RL 4.157
Locality: MAROOCHYDORE	
Local Government: SUNSHINE COAST R. C.	
SHEET 10 OF 11	Scale A1 1:500
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DRAWING NUMBER	REV.
13048 MCHY-27	A



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SCRC

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Revisions	Surveyed	Drawn	Checked	Passed	Date
A ORIGINAL PLAN	LM	JJ	AJP	AJP	06.03.23



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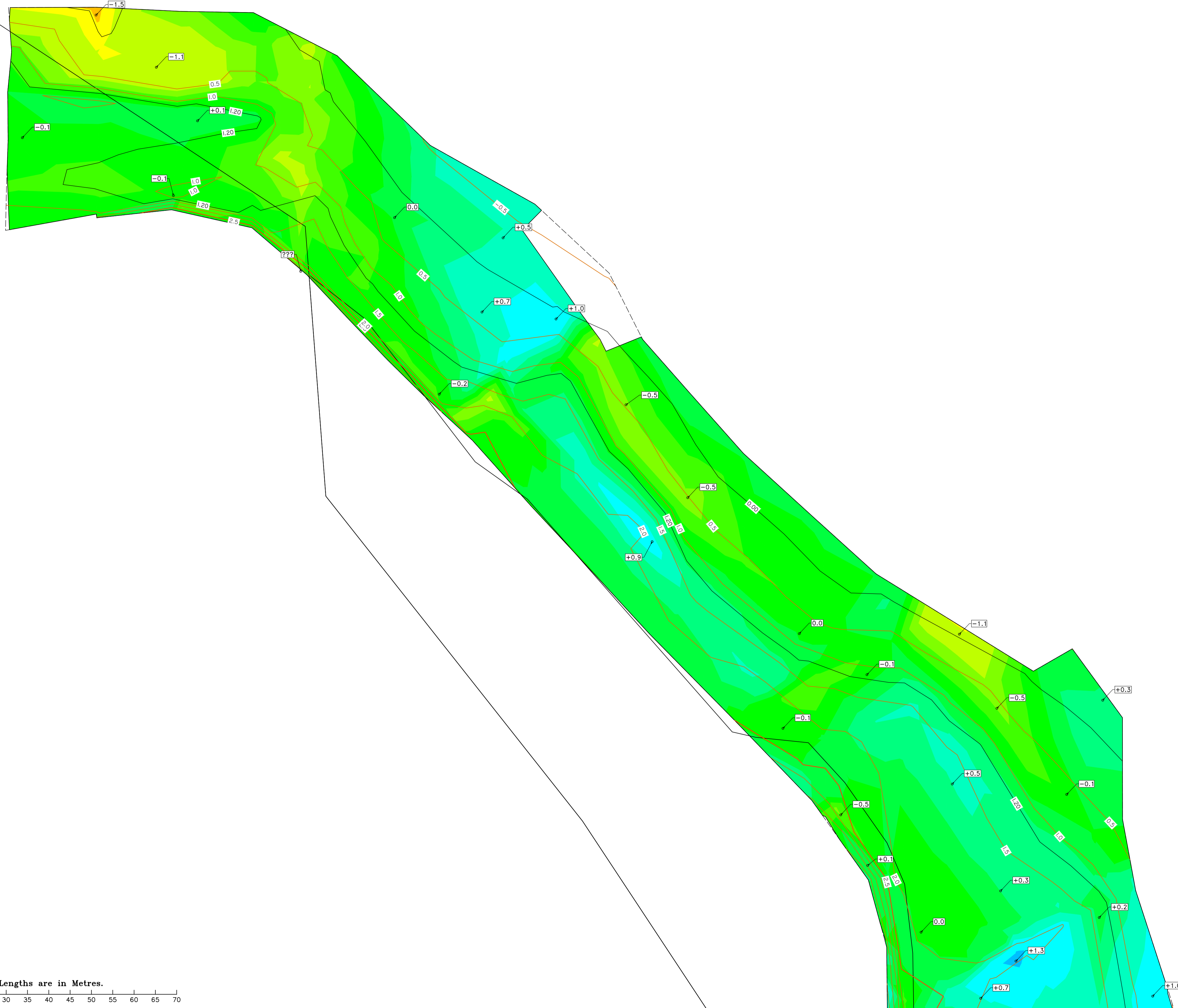
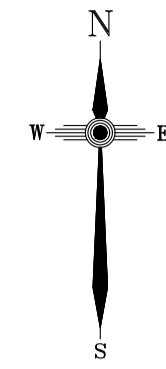
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Locality: MAROOCHYDORE
Local Government: SUNSHINE COAST R. C.

SHEET 11 OF 11 Scale A1 1:500
File 13048 MCHY-27.dwg Date 06/03/23

DRAWING NUMBER REV.
13048 MCHY-27 **A**



Scale 1:500 - Lengths are in Metres.
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