

LEGEND:

TENDER

[illegible]

REVISIONS

Client



280 PRETORIA STREET
SILVERTON
PRETORIA

TEL: +27-12-841-1441
FAX: +27-86-679-3267

Consultant



P O BOX 35703
MENLO PARK
0102

TEL: +27-12-368-1850
FAX: +27-12-348-4738

APPROVED

PR ENG: 202101813

THE MASTER HELD AT DELTA BUILT ENVIRONMENT CONSULTANTS
BEARS THE ORIGINAL SIGNATURE OF APPROVAL.

SIGNATURE: _____ NAME: R vd MERWE _____

2023-06-15

Project

COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14

Project Description

WATER INGRESS AT
NEW MODDER NO 14

Drawing Title

LIST OF DRAWINGS

Drawing Units MILLIMETRES

Drawing Size	A1
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Date
APRIL 2023

Scale	AS SHOWN
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Designed By	J vd MERWE
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Checked By
R vd MERW

Drawn By
R HURD

Approved By	R vd MERWI
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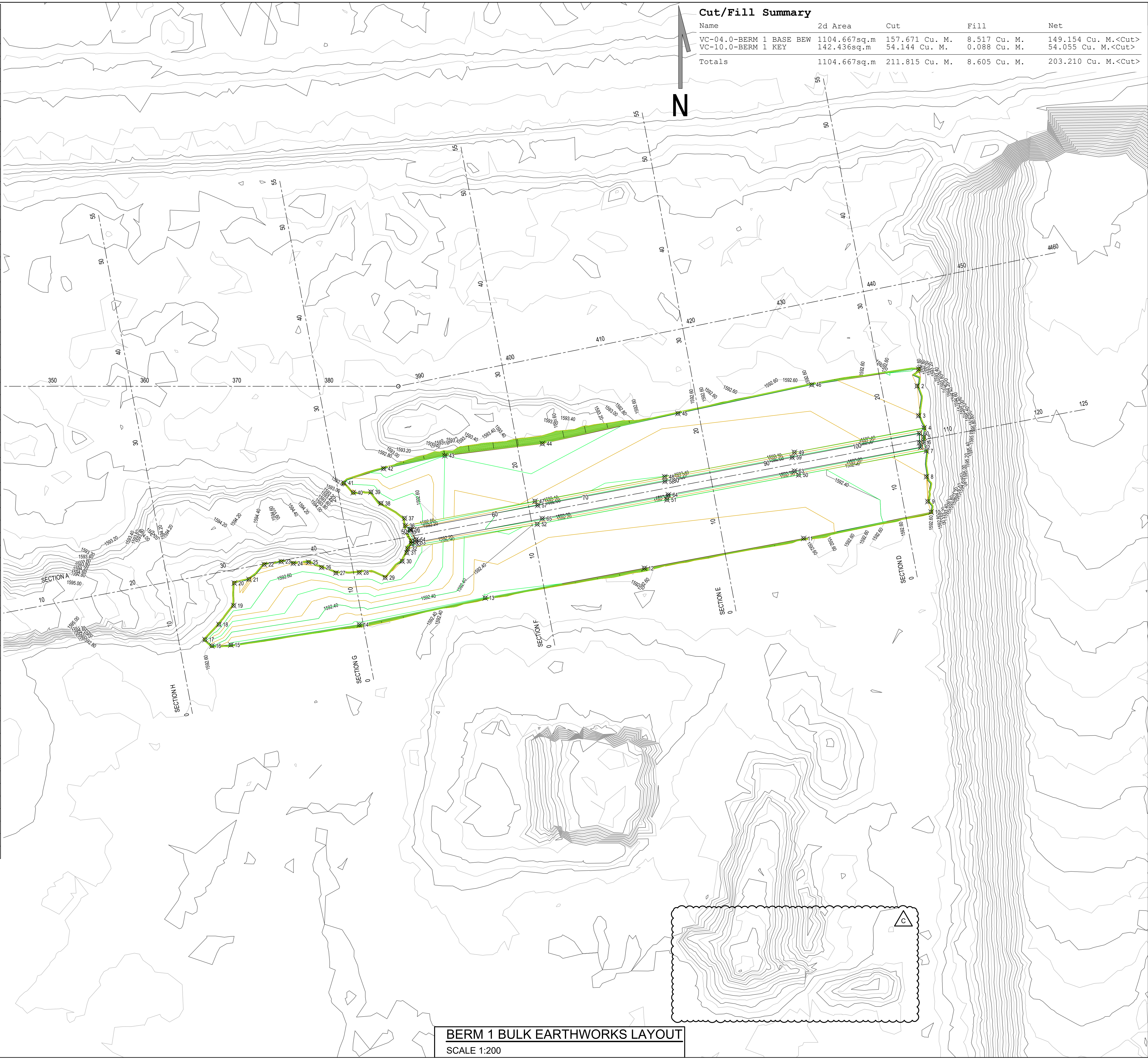
Drawing No.

P22109-TN-02-LOD-001

	Re
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POINT TABLE			
POINT	Y	X	LEVEL
1	61 922.665	2 895 799.625	1592.445
2	61 922.828	2 895 801.453	1592.450
3	61 922.669	2 895 804.667	1592.450
4	61 922.078	2 895 805.988	1592.450
5	61 922.110	2 895 806.965	1592.450
6	61 922.081	2 895 807.532	1592.450
7	61 921.831	2 895 808.485	1592.450
8	61 921.819	2 895 811.279	1592.450
9	61 921.680	2 895 813.980	1592.450
10	61 921.315	2 895 815.116	1592.450
11	61 935.141	2 895 817.980	1592.318
12	61 952.413	2 895 821.208	1592.306
13	61 969.684	2 895 824.435	1592.284
14	61 983.330	2 895 827.334	1592.280
15	61 997.275	2 895 829.538	1592.278
16	61 999.331	2 895 829.635	1592.405
17	62 000.082	2 895 828.952	1592.635
18	61 998.656	2 895 827.305	1592.650
19	61 996.976	2 895 825.261	1592.650
20	61 996.907	2 895 822.821	1592.650
21	61 995.313	2 895 822.422	1592.650
22	61 993.652	2 895 820.805	1592.650
23	61 991.804	2 895 820.488	1592.650
24	61 990.493	2 895 820.682	1592.650
25	61 988.836	2 895 820.561	1592.650
26	61 987.430	2 895 821.124	1592.650
27	61 985.883	2 895 821.719	1592.650
28	61 983.342	2 895 821.661	1592.650
29	61 980.536	2 895 822.228	1592.650
30	61 978.688	2 895 820.451	1592.650
31	61 978.193	2 895 819.528	1592.650
32	61 978.102	2 895 819.087	1592.650
33	61 977.671	2 895 818.569	1592.650
34	61 977.679	2 895 818.240	1592.650
35	61 978.219	2 895 817.315	1592.650
36	61 978.355	2 895 816.591	1592.650
37	61 978.437	2 895 815.795	1592.650
38	61 980.993	2 895 814.174	1592.650
39	61 982.082	2 895 812.947	1592.650
40	61 984.002	2 895 813.010	1592.650
41	61 985.011	2 895 811.965	1592.638
42	61 980.711	2 895 810.401	1592.460
43	61 974.074	2 895 809.011	1592.500
44	61 963.488	2 895 807.701	1592.550
45	61 948.791	2 895 804.426	1592.464
46	61 934.271	2 895 801.314	1592.477
47	61 964.289	2 895 813.941	1592.439
48	61 950.219	2 895 811.290	1592.399
49	61 936.148	2 895 808.639	1592.409
50	61 935.686	2 895 811.096	1592.386
51	61 949.967	2 895 813.786	1592.375
52	61 964.034	2 895 816.436	1592.390
53	61 977.175	2 895 818.403	1592.128
54	61 977.182	2 895 818.099	1592.128
55	61 977.760	2 895 817.109	1592.144
56	61 977.798	2 895 816.994	1592.144
57	61 963.995	2 895 814.394	1591.928
58	61 950.193	2 895 811.794	1591.895
59	61 936.390	2 895 809.193	1591.901
60	61 922.587	2 895 806.593	1591.954
61	61 922.578	2 895 807.605	1591.951
62	61 922.457	2 895 808.095	1591.951
63	61 936.136	2 895 810.672	1591.889
64	61 949.816	2 895 813.249	1591.880
65	61 963.495	2 895 815.826	1591.880



Cut/Fill Summary									
Name				2d Area	Cut	Fill	Net		
VC-04.0-BERM	1	BASE	BEW	1104.667sq.m	157.671 Cu. M.	8.517 Cu. M.	149.154 Cu. M.<Cut>		
VC-10.0-BERM	1	KEY		142.436sq.m	54.144 Cu. M.	0.088 Cu. M.	14.055 Cu. M.<Cut>		
Totals				1104.667sq.m	211.815 Cu. M.	8.605 Cu. M.	203.210 Cu. M.<Cut>		

Cad File Name: DBEC-MRPRO-09-06



LEGEND:

TENDER			
Rev.	Date	Description of changes	By
A	2023-04-21	ISSUED FOR TENDER	RvdM
B	2023-05-25	PIT CLOSURE AMMENDED	RvdM
C	2023-06-15	PIT CLOSURE REMOVED	RvdM

REVISIONS

The logo of the Council for Geoscience (CSIR) is a stylized, circular emblem. It features a central vertical bar with the letters 'CSIR' stacked vertically. The letters are white and set against a dark background. The emblem is surrounded by a thick, dark border. Below the logo, the text 'COUNCIL FOR GEOSCIENCE' is written in a bold, sans-serif font. To the right of the logo, the contact information is listed: '280 PRETORIA STREET', 'SILVERTON', 'PRETORIA', 'TEL: +27-12-841-1441', and 'FAX: +27-86-679-3267'.

Consultant



P O BOX 35703
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0102

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APPROVED		PR ENG: 202101813
THE MASTER HELD AT DELTA BUILT ENVIRONMENT CONSULTANTS BEARS THE ORIGINAL SIGNATURE OF APPROVAL..		
R vd MERWE		2023-06-15
SIGNATURE:	NAME:	DATE:

Project

**COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14**

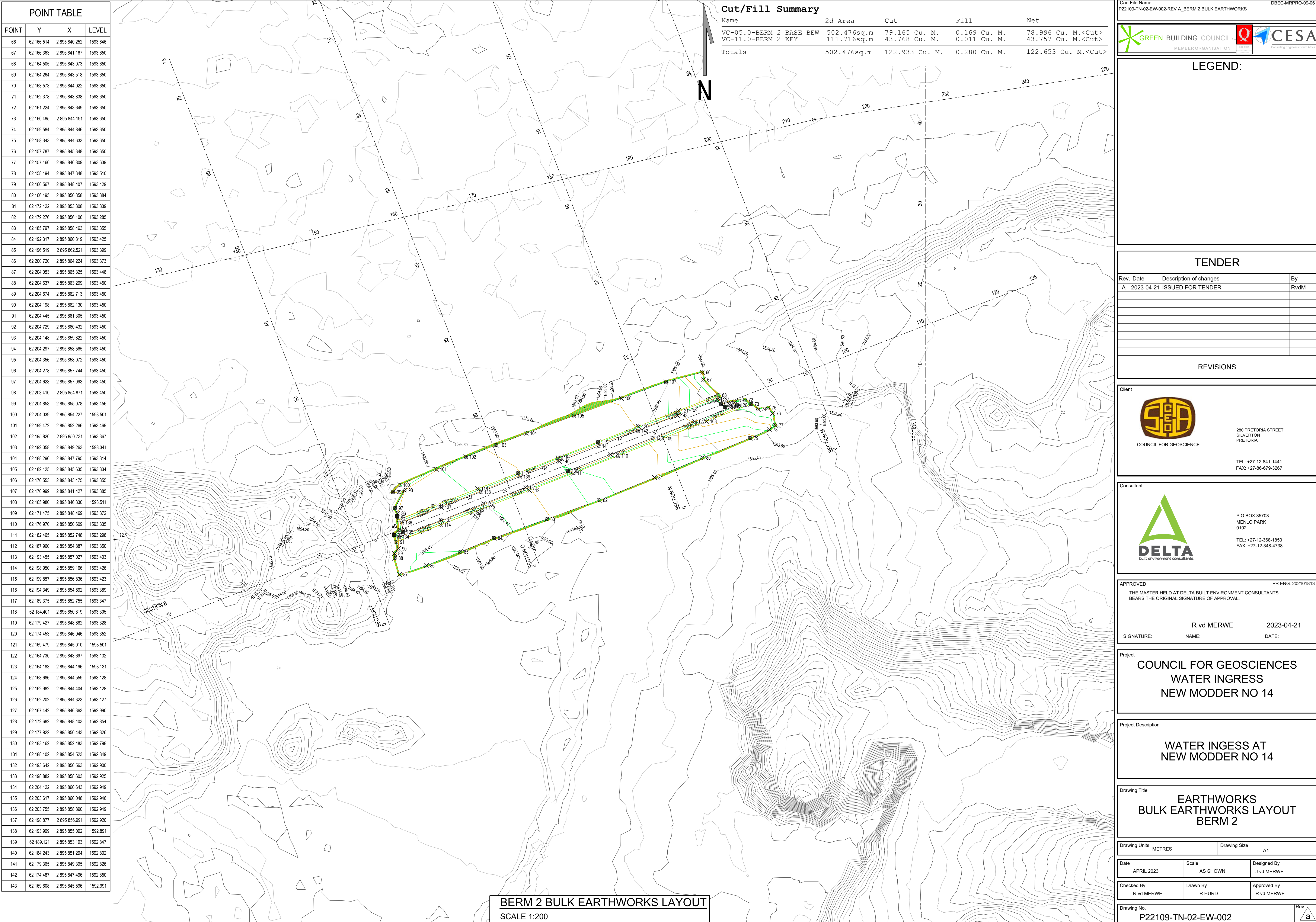
Project Description
WATER INGRESS AT NEW MODDER NO 14

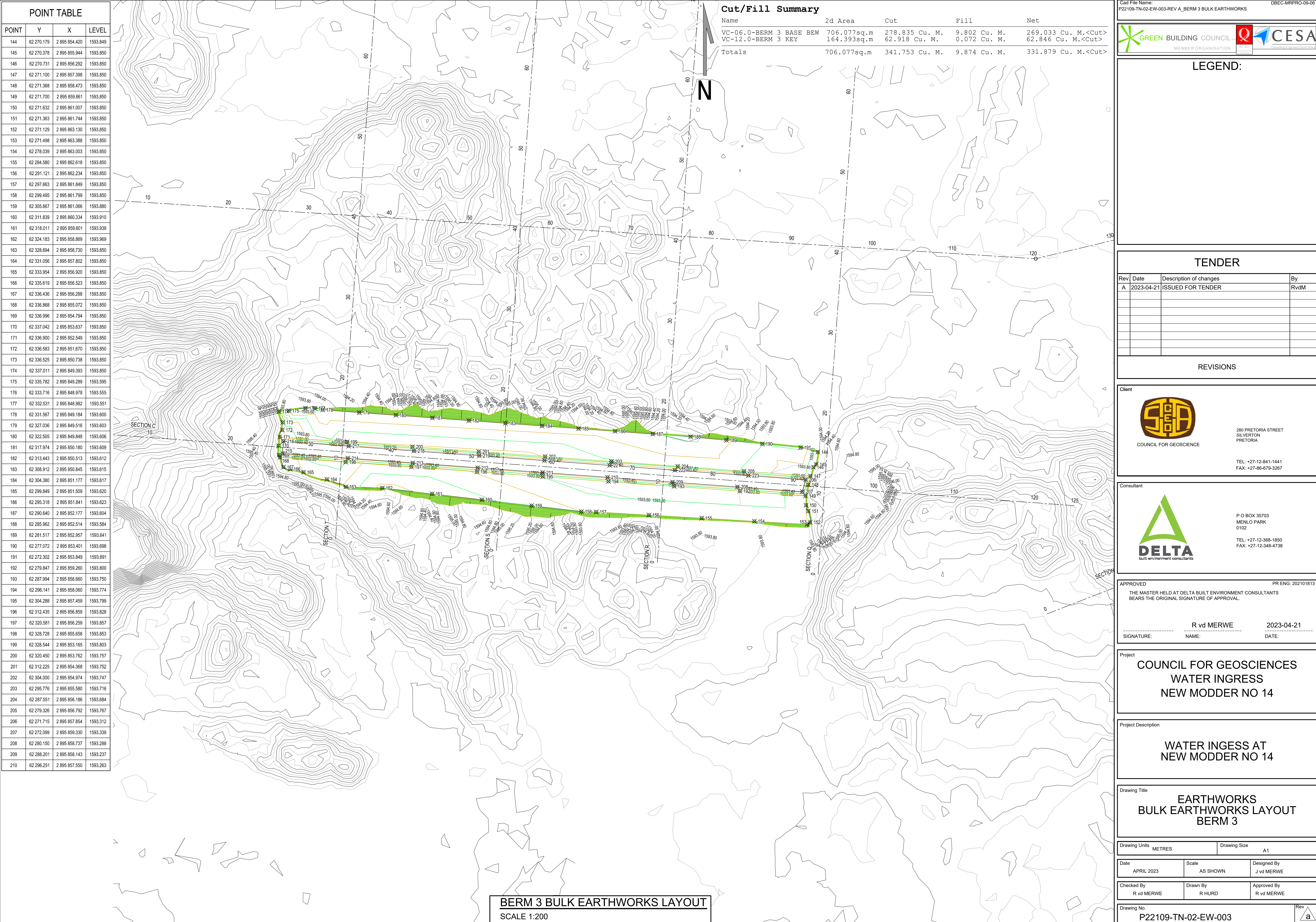
Drawing Title

EARTHWORKS
BULK EARTHWORKS LAYOUT
BERM 1

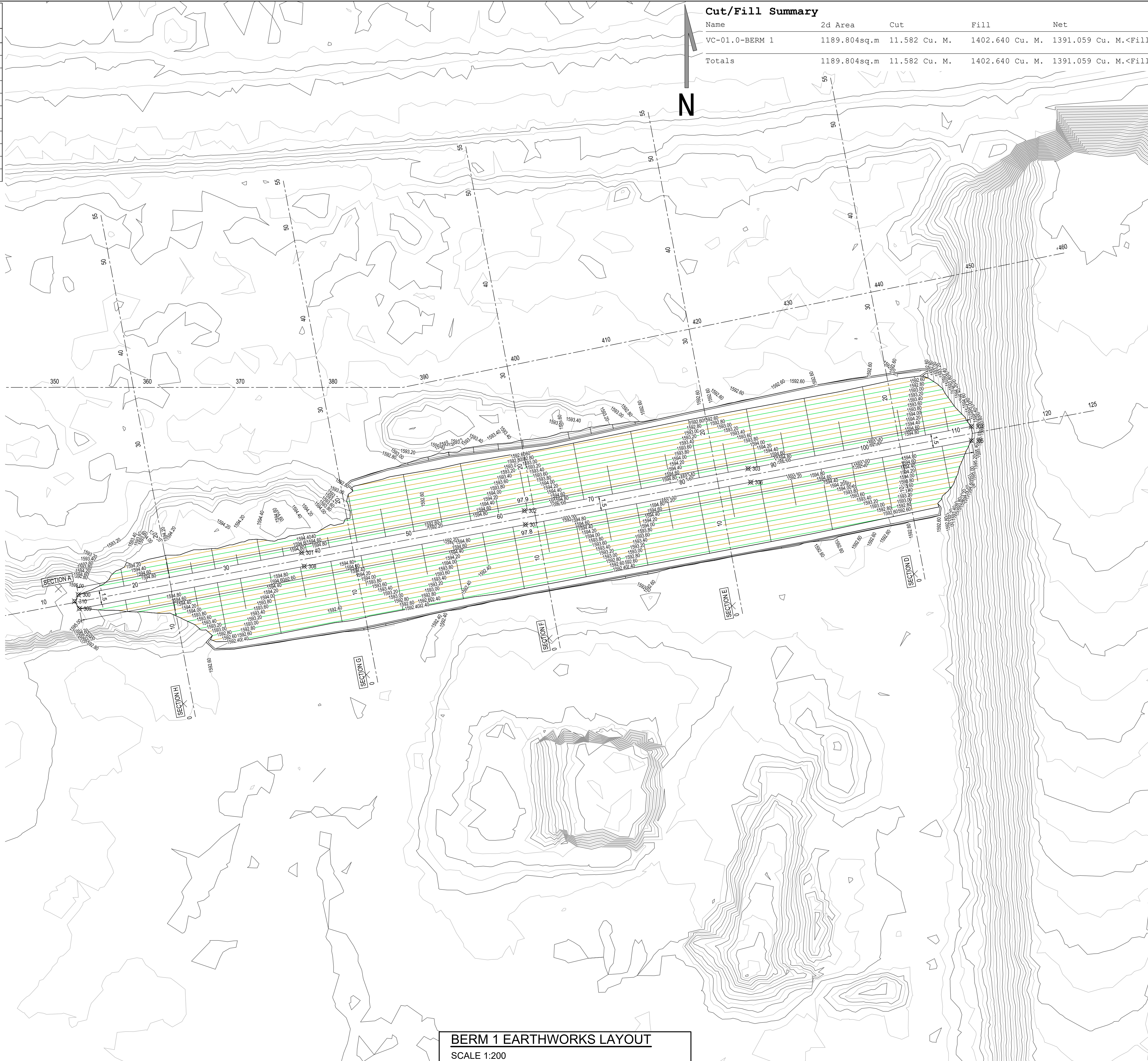
Drawing Units METRES		Drawing Size A1	
Date APRIL 2023		Scale AS SHOWN	Designed By J vd MERWE
Checked By R vd MERWE		Drawn By R HURD	Approved By R vd MERWE

Drawing No.	Rev
P22109-TN-02-EW-001	





POINT TABLE			
POINT	Y	X	LEVEL
300	62 014.055	2 895 823.825	1595.000
301	61 990.000	2 895 819.293	1595.000
302	61 965.994	2 895 814.770	1595.000
303	61 941.889	2 895 810.229	1595.000
304	61 917.834	2 895 805.697	1595.000
305	61 917.815	2 895 807.220	1595.000
306	61 941.611	2 895 811.703	1595.000
307	61 965.881	2 895 816.276	1595.000
308	61 989.722	2 895 820.767	1595.000
309	62 013.948	2 895 825.331	1595.000
310	62 014.450	2 895 824.538	1595.000



Cut/Fill Summary				
Name	2d Area	Cut	Fill	Net
VC-01.0-BERM 1	1189.804sq.m	11.582 Cu. M.	1402.640 Cu. M.	1391.059 Cu. M.<Fill>
Totals	1189.804sq.m	11.582 Cu. M.	1402.640 Cu. M.	1391.059 Cu. M.<Fill>

Cad File Name: DBEC-MRPRO-09-06



LEGEND:

[illegible]

REVISIONS

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PR ENG: 202101813

THE MASTER HELD AT DELTA BUILT ENVIRONMENT CONSULTANTS
BEARS THE ORIGINAL SIGNATURE OF APPROVAL.

SIGNATURE: R vd MERWE 2023-04-21

Project

COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14

Project Description

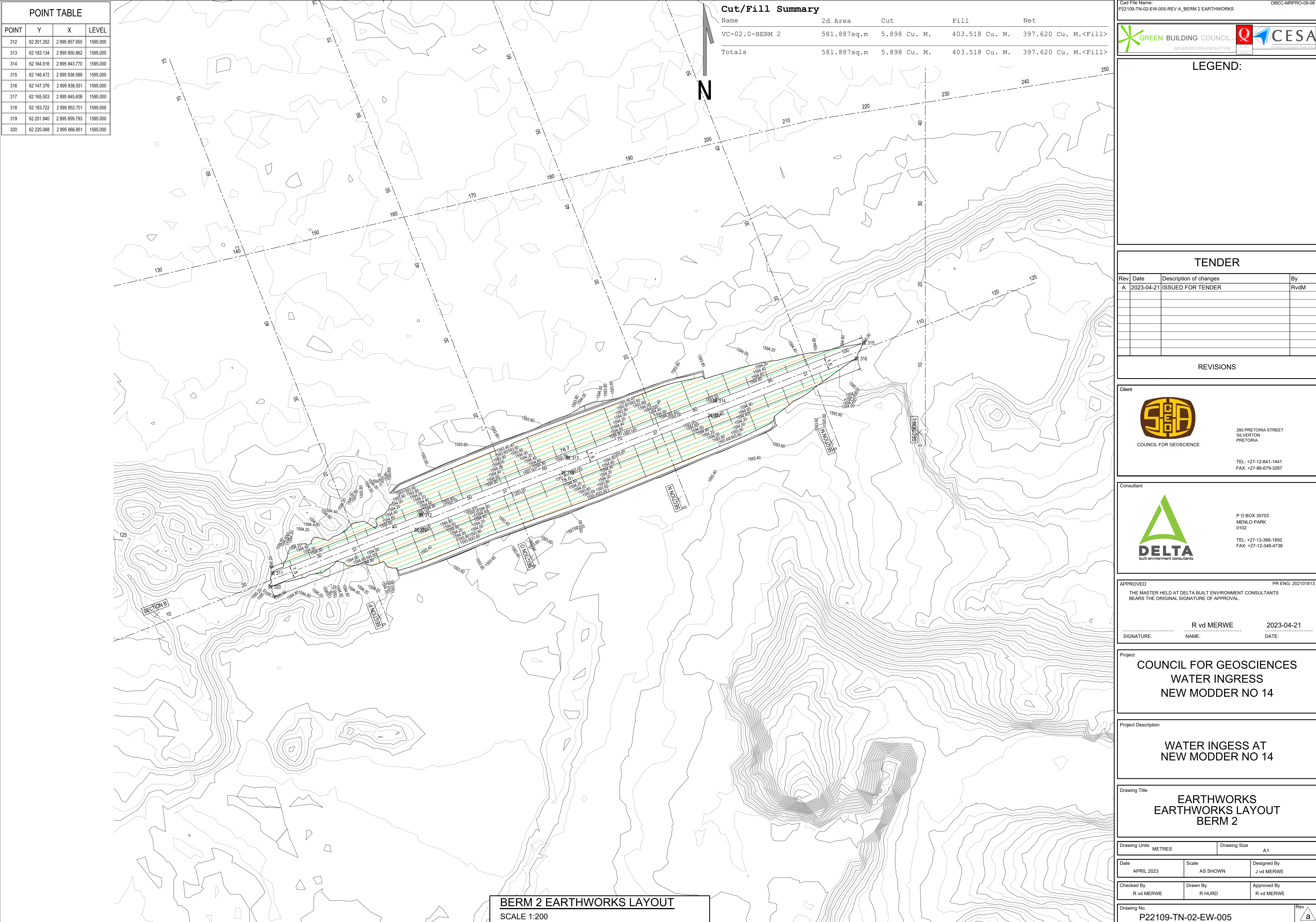
WATER INGRESS AT
NEW MODDER NO 14

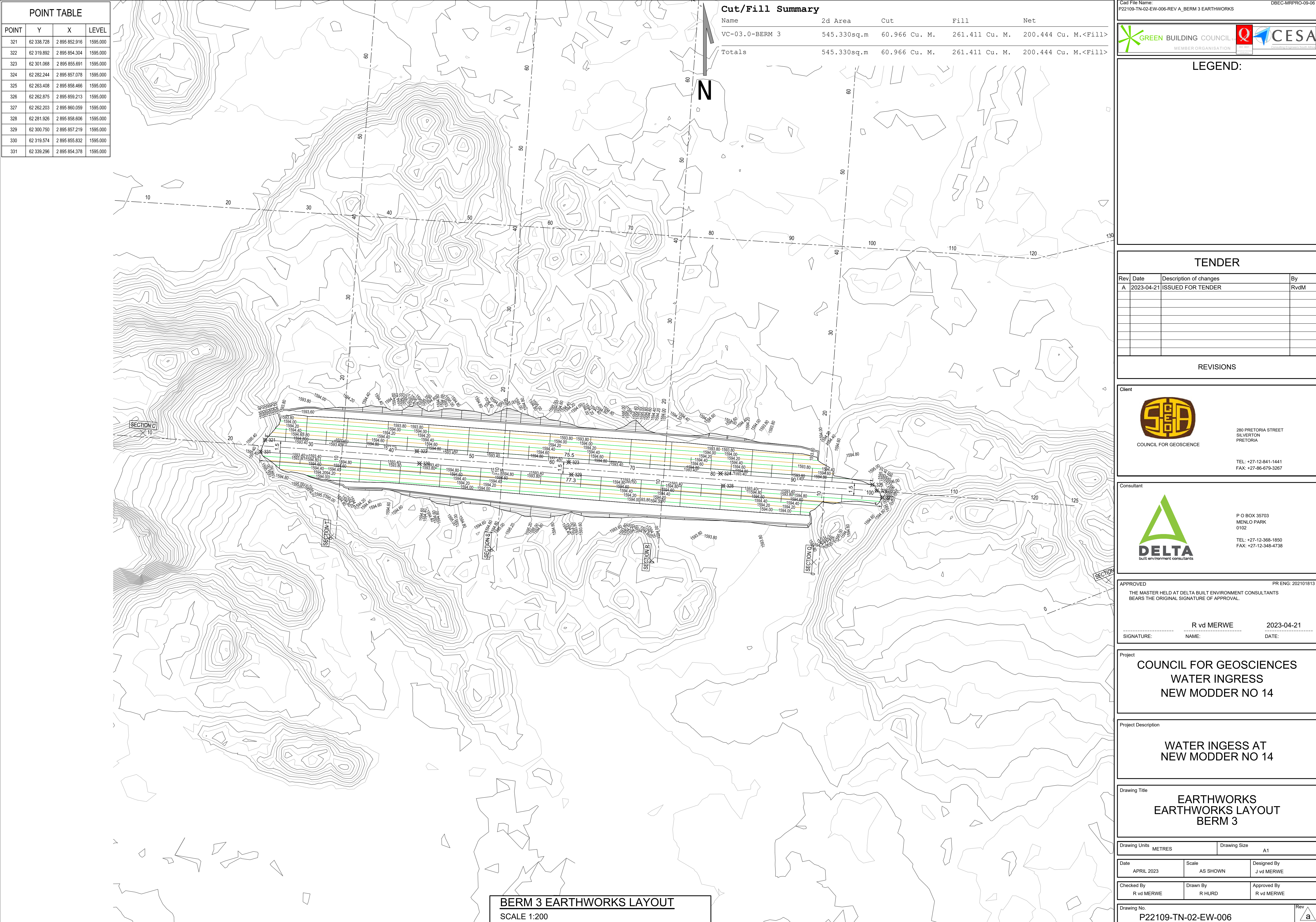
Drawing Title

EARTHWORKS
EARTHWORKS LAYOUT
BERM 1

Drawing Units METRES		Drawing Size A1	
Date APRIL 2023	Scale AS SHOWN	Designed By J vd MERWE	
Checked By R vd MERWE	Drawn By R HURD	Approved By R vd MERWE	

Drawing No.	P22109-TN-02-EW-004	Rev	
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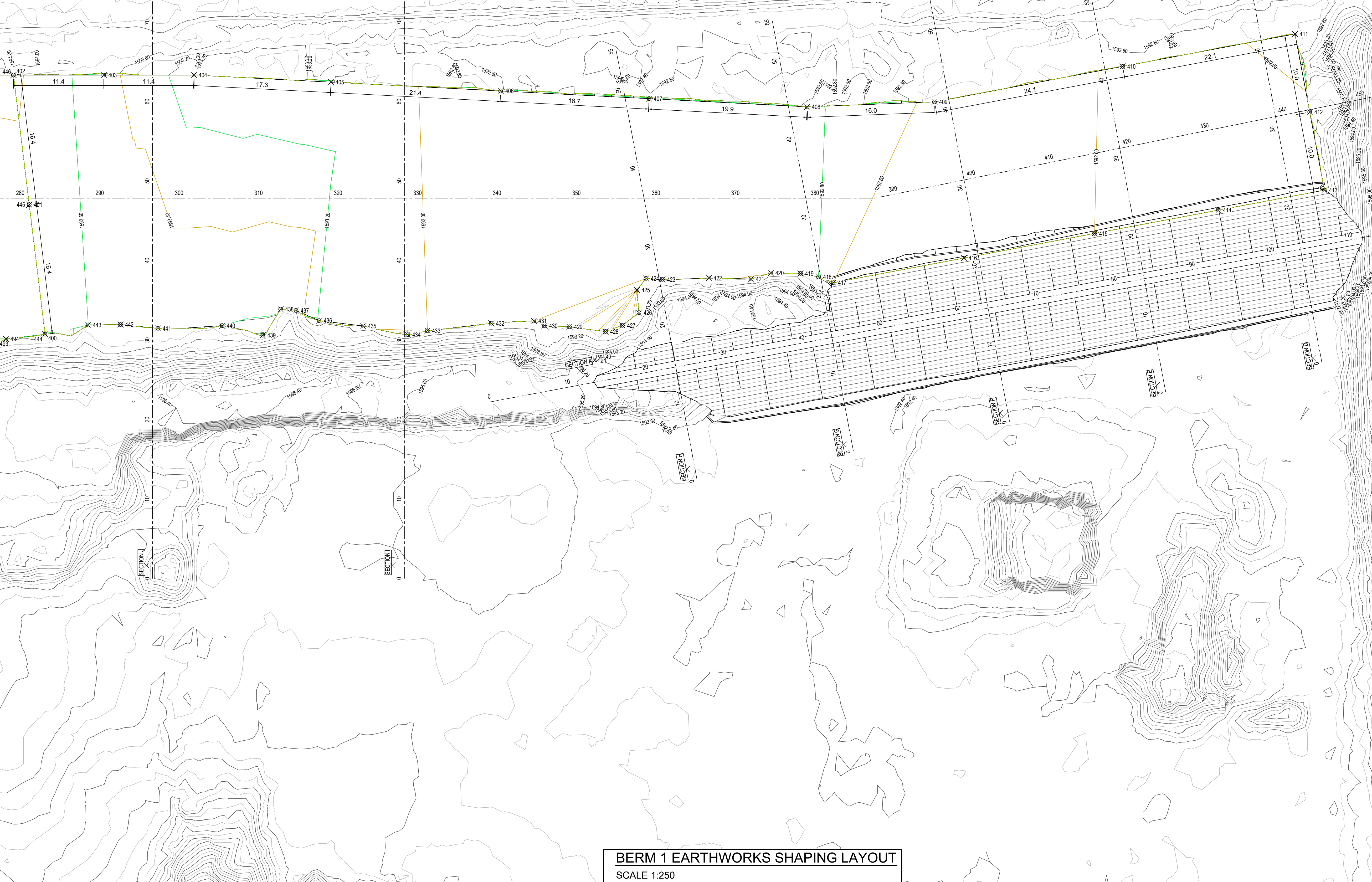




POINT TABLE			
POINT	Y	X	LEVEL
400	62 083.492	2 895 818.610	1593.598
401	62 085.482	2 895 802.298	1593.720
402	62 087.473	2 895 785.986	1593.842
403	62 076.107	2 895 785.986	1593.468
404	62 084.741	2 895 785.986	1593.094
405	62 047.511	2 895 786.880	1593.037
406	62 026.163	2 895 787.987	1592.966
407	62 007.479	2 895 788.957	1592.903
408	61 987.586	2 895 789.989	1592.837
409	61 971.569	2 895 789.983	1592.562
410	61 947.900	2 895 784.904	1592.624
411	61 926.205	2 895 780.617	1592.540
412	61 924.354	2 895 790.644	1592.622
413	61 922.502	2 895 800.471	1592.600
414	61 935.848	2 895 802.985	1592.600

POINT	Y	X	LEVEL
415	61 951.428	2 895 805.921	1592.600
416	61 967.866	2 895 809.018	1592.600
417	61 984.304	2 895 812.114	1592.600
418	61 986.162	2 895 811.390	1592.800
419	61 988.431	2 895 810.956	1593.000
420	61 992.174	2 895 810.902	1593.000
421	61 994.637	2 895 811.643	1593.000
422	61 999.959	2 895 811.537	1593.000
423	62 005.804	2 895 811.700	1593.000
424	62 007.863	2 895 811.579	1593.000
425	62 009.015	2 895 813.028	1593.000
426	62 008.760	2 895 815.885	1593.000
427	62 010.838	2 895 817.492	1593.000
428	62 012.969	2 895 818.256	1593.000
429	62 017.505	2 895 817.661	1593.000
430	62 020.649	2 895 817.525	1593.000
431	62 022.000	2 895 816.917	1593.000

POINT	Y	X	LEVEL
432	62 027.337	2 895 817.224	1593.000
433	62 035.374	2 895 818.158	1593.000
434	62 037.861	2 895 818.652	1593.000
435	62 043.448	2 895 817.569	1593.000
436	62 049.009	2 895 816.885	1593.000
437	62 051.927	2 895 815.612	1593.600
438	62 053.853	2 895 815.447	1593.600
439	62 056.112	2 895 818.736	1593.600
440	62 061.212	2 895 817.517	1593.600
441	62 069.283	2 895 817.863	1593.600
442	62 073.999	2 895 817.382	1593.600
443	62 078.056	2 895 817.432	1593.600



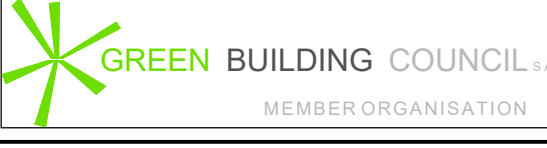
BERM 1 EARTHWORKS SHAPING LAYOUT
SCALE 1:250

Cut/Fill Summary

Name	2d Area	Cut	Fill	Net
VC-13.0-BERM 1 SHAPE	4134.723sq.m	210.993 Cu. M.	567.837 Cu. M.	356.844 Cu. M.<Fill>
Totals	4134.723sq.m	210.993 Cu. M.	567.837 Cu. M.	356.844 Cu. M.<Fill>

Cad File Name:
P22109-TN-02-EW-007-REV A_BERM 1 EARTHWORKS SHAPING

DBEC-MRPRO-09-06



LEGEND:

TENDER

Rev	Date	Description of changes	By
A	2023-04-21	ISSUED FOR TENDER	RvdM

REVISIONS

Client



280 PRETORIA STREET
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APPROVED

PR ENG: 202101813

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BEARS THE ORIGINAL SIGNATURE OF APPROVAL.

R vd MERWE

2023-04-21

SIGNATURE:

NAME:

DATE:

Project

**COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14**

Project Description

**WATER INGRESS AT
NEW MODDER NO 14**

Drawing Title

**EARTHWORKS
EARTHWORKS SHAPING LAYOUT
BERM 1**

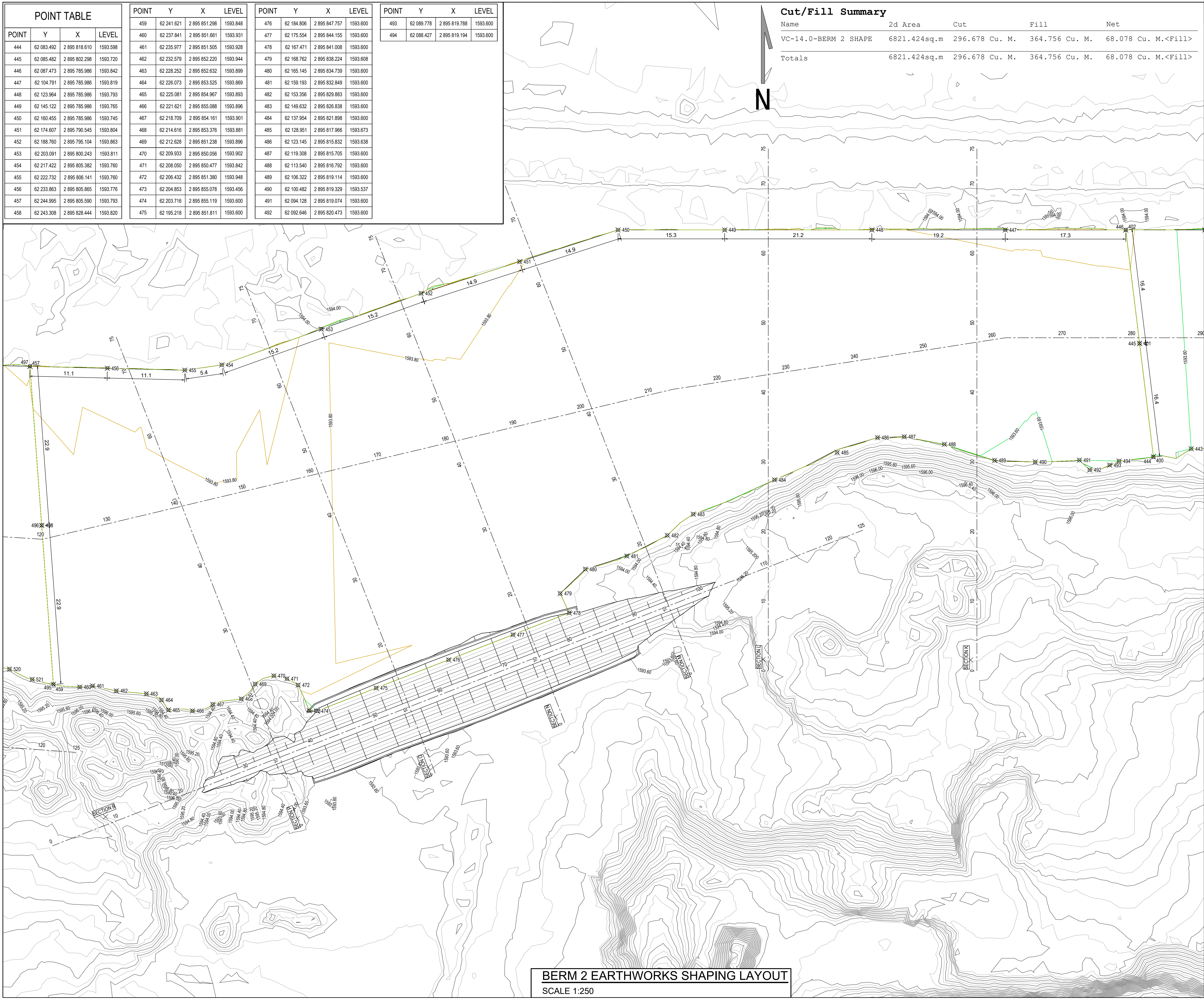
Drawing Units	METRES	Drawing Size	A1
Date	APRIL 2023	Scale	AS SHOWN
Designed By	J vd MERWE	Checked By	R vd MERWE
Drawn By	R HURD	Approved By	R vd MERWE
Drawing No.	P22109-TN-02-EW-007	Rev	a

POINT TABLE			
POINT	Y	X	LEVEL
444	62 083.492	2 895 818.610	1593.598
445	62 085.482	2 895 802.298	1593.720
446	62 087.473	2 895 785.986	1593.842
447	62 104.791	2 895 785.986	1593.819
448	62 123.964	2 895 785.986	1593.793
449	62 145.122	2 895 785.986	1593.765
450	62 160.455	2 895 785.986	1593.745
451	62 174.607	2 895 790.545	1593.804
452	62 188.760	2 895 795.104	1593.863
453	62 203.091	2 895 800.243	1593.811
454	62 217.422	2 895 805.382	1593.760
455	62 222.732	2 895 806.141	1593.760
456	62 233.863	2 895 805.805	1593.776
457	62 244.995	2 895 805.590	1593.793
458	62 243.308	2 895 828.444	1593.820

POINT	Y	X	LEVEL
459	62 241.621	2 895 851.298	1593.848
460	62 237.841	2 895 851.661	1593.931
461	62 235.977	2 895 851.505	1593.928
462	62 232.579	2 895 852.220	1593.944
463	62 228.252	2 895 852.632	1593.899
464	62 226.073	2 895 853.525	1593.869
465	62 225.081	2 895 854.967	1593.893
466	62 221.621	2 895 855.088	1593.896
467	62 218.709	2 895 854.161	1593.901
468	62 214.616	2 895 853.376	1593.881
469	62 212.628	2 895 851.238	1593.896
470	62 209.933	2 895 850.056	1593.902
471	62 208.050	2 895 850.477	1593.842
472	62 206.432	2 895 851.380	1593.948
473	62 204.853	2 895 855.078	1593.956
474	62 203.716	2 895 855.119	1593.400
475	62 195.218	2 895 851.811	1593.600

POINT	Y	X	LEVEL
476	62 184.806	2 895 847.757	1593.600
477	62 175.554	2 895 844.155	1593.600
478	62 167.471	2 895 841.008	1593.600
479	62 168.762	2 895 838.224	1593.608
480	62 165.145	2 895 834.739	1593.600
481	62 159.193	2 895 832.849	1593.600
482	62 153.356	2 895 829.883	1593.600
483	62 149.632	2 895 826.838	1593.600
484	62 137.954	2 895 821.898	1593.600
485	62 128.951	2 895 817.966	1593.673
486	62 123.145	2 895 815.832	1593.638
487	62 119.308	2 895 815.705	1593.600
488	62 113.540	2 895 816.792	1593.600
489	62 106.322	2 895 819.114	1593.600
490	62 100.482	2 895 819.329	1593.537
491	62 094.128	2 895 819.074	1593.600
492	62 092.646	2 895 820.473	1593.600

POINT	Y	X	LEVEL
493	62 089.778	2 895 819.788	1593.600
494	62 088.427	2 895 819.194	1593.600



Cut/Fill Summary				
Name	2d Area	Cut	Fill	Net
VC-14.0-BERM 2 SHAPE	6821.424sq.m	296.678 Cu. M.	364.756 Cu. M.	68.078 Cu. M.<Fill>
Totals	6821.424sq.m	296.678 Cu. M.	364.756 Cu. M.	68.078 Cu. M.<Fill>

Cad File Name: P22109-TN-02-EW-008-REV A_BERM 2 EARTHWORKS SHAPING		DBEC-MRPRO-09-08	
 GREEN BUILDING COUNCIL MEMBER ORGANISATION			 CESA Consulting Engineers South Africa
LEGEND:			

[illegible]

REVISIONS

Client

280 PRETORIA STREET
SILVERTON
PRETORIA

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FAX: +27-86-679-3267

COUNCIL FOR GEOSCIENCE

The logo for Delta Built Environment Consultants features a stylized green triangle with a white 'D' inside, positioned above the word 'DELTA' in bold black capital letters. Below 'DELTA' is the tagline 'built environment consultants' in a smaller, lowercase font. To the right of the logo, the contact information is listed: 'P O BOX 35703', 'MENLO PARK', '0102', 'TEL: +27-12-368-1850', and 'FAX: +27-12-348-4738'.

APPROVED	PR ENG: 202101813
THE MASTER HELD AT DELTA BUILT ENVIRONMENT CONSULTANTS BEARS THE ORIGINAL SIGNATURE OF APPROVAL.	
R vd MERWE	
2023-04-21	
----- SIGNATURE:	----- NAME:
DATE:	

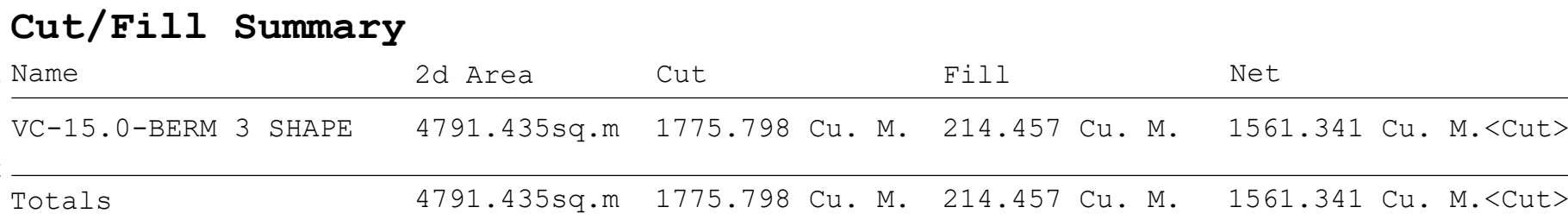
Project	COUNCIL FOR GEOSCIENCES WATER INGRESS NEW MODDER NO 14
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Project Description	WATER INGESS AT NEW MODDER NO 14
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Drawing Title	EARTHWORKS EARTHWORKS SHAPING LAYOUT BERM 2
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Drawing Units METRES		Drawing Size A1	
Date APRIL 2023	Scale AS SHOWN	Designed By J vd MERWE	
Checked By R vd MERWE	Drawn By R HURD	Approved By R vd MERWE	
Drawing No. P22109-TN-02-EW-008			Rev a

POINT	Y	X	LEVEL
510	62 336.451	2 895 844.663	1594.200
511	62 336.554	2 895 850.068	1593.800
512	62 322.611	2 895 851.129	1593.800
513	62 303.907	2 895 852.474	1593.800
514	62 286.782	2 895 853.736	1593.800
515	62 270.931	2 895 854.904	1593.800
516	62 259.264	2 895 851.045	1594.037
517	62 266.418	2 895 848.373	1593.904
518	62 261.022	2 895 847.253	1593.934
519	62 256.488	2 895 947.423	1593.893
520	62 247.938	2 895 949.093	1593.862
521	62 244.672	2 895 850.569	1593.937

[illegible]

Consultant



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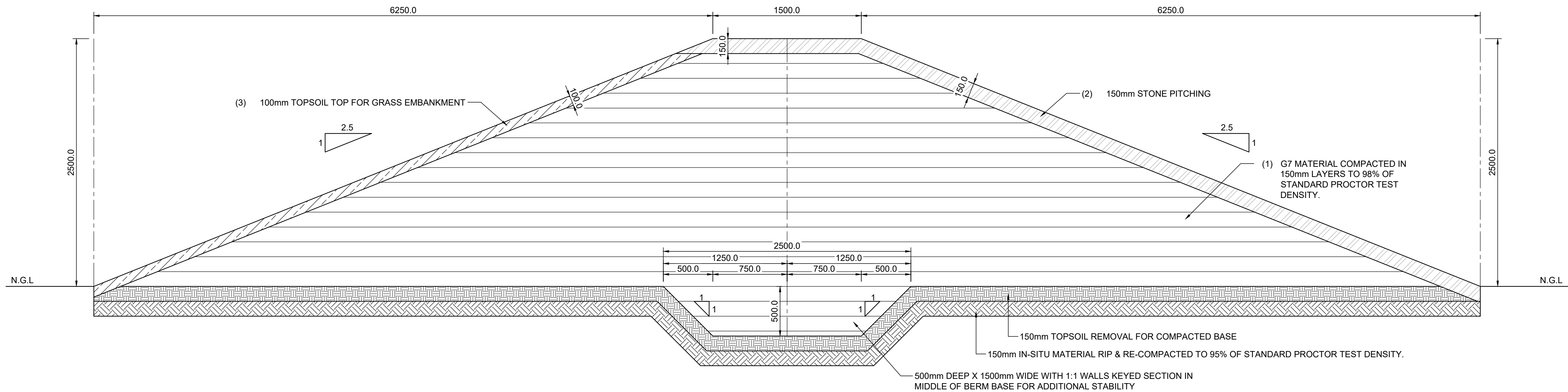
Project

COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14

Drawing Title

EARTHWORKS
EARTHWORKS SHAPING LAYOUT
BERM 3

Drawing Units METRES		Drawing Size A1	
Date APRIL 2023	Scale AS SHOWN	Designed By J vd MERWE	
Checked By R vd MERWE	Drawn By R HURD	Approved By R vd MERWE	
Drawing No. P22109-TN-02-EW-009			Rev a



TYPICAL BERM CROSS SECTION
SCALE 1:25

TABLE 1: MATERIAL DESIGN SPECIFICATIONS

LAYER No.	LAYER DESCRIPTION	SOURCE	THICKNESS (mm)	COLTO SECTION	MAX PI	GM	MAX AGGREGATE SIZE (mm)	COMPACTION % OF MODIFIED AASHTO DENSITY	MIN CBR / UCS	TRH14 CLASS	OTHER REQUIREMENTS
1	G7 MATERIAL	COMMERCIAL	150		N/A	0.75 - 2.7	13,2000	96% - VOIDS OR 93% OF MRTD (SELECT HIGHEST VALUE)	N/A	AC	REFER TO TABLE 2 & 3
2	STONE PITCHING	COMMERCIAL	150								Stone for pitching shall be sound, tough and durable, without any stones less than 100 mm in minimum dimension, except that smaller pieces or spalls may be used for filling spaces between the larger stones. The shapes of the rocks or stones shall be so as to form a stable protective layer of the required thickness. Rounded boulders shall not be used on slopes steeper than 2:1 unless cement grouted. Unless suitable stone can be located on site, the stone for pitching shall be procured from commercial sources but, from whatever source, it shall be subject to the prior approval of the Engineer.
3	TOPSOIL	COMMERCIAL	100								

Cad File Name: P22109-TN-02-EWD-001-REV C_BERM DETAIL SHEET 1 DBEC-MRPRO-09-06



LEGEND:

TENDER

Rev	Date	Description of changes	By
A	2023-04-21	ISSUED FOR TENDER	RvdM
B	2023-05-25	DETAIL REVISED	RvdM
C	2023-06-15	DETAIL REVISED	RvdM

REVISIONS

Client



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APPROVED PR ENG: 202101813

THE MASTER HELD AT DELTA BUILT ENVIRONMENT CONSULTANTS BEARS THE ORIGINAL SIGNATURE OF APPROVAL.

SIGNATURE: R vd MERWE

NAME: 2023-06-15

DATE:

Project

**COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14**

Project Description

**WATER INGRESS AT
NEW MODDER NO 14**

Drawing Title

**EARTHWORKS
BERM DETAIL**

Drawing Units	MILLIMETRES	Drawing Size	A1
Date	APRIL 2023	Scale	AS SHOWN
Designed By	J vd MERWE	Checked By	R vd MERWE
Drawn By	R HURD	Approved By	R vd MERWE
Drawing No.	P22109-TN-02-EWD-001	Rev	C

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

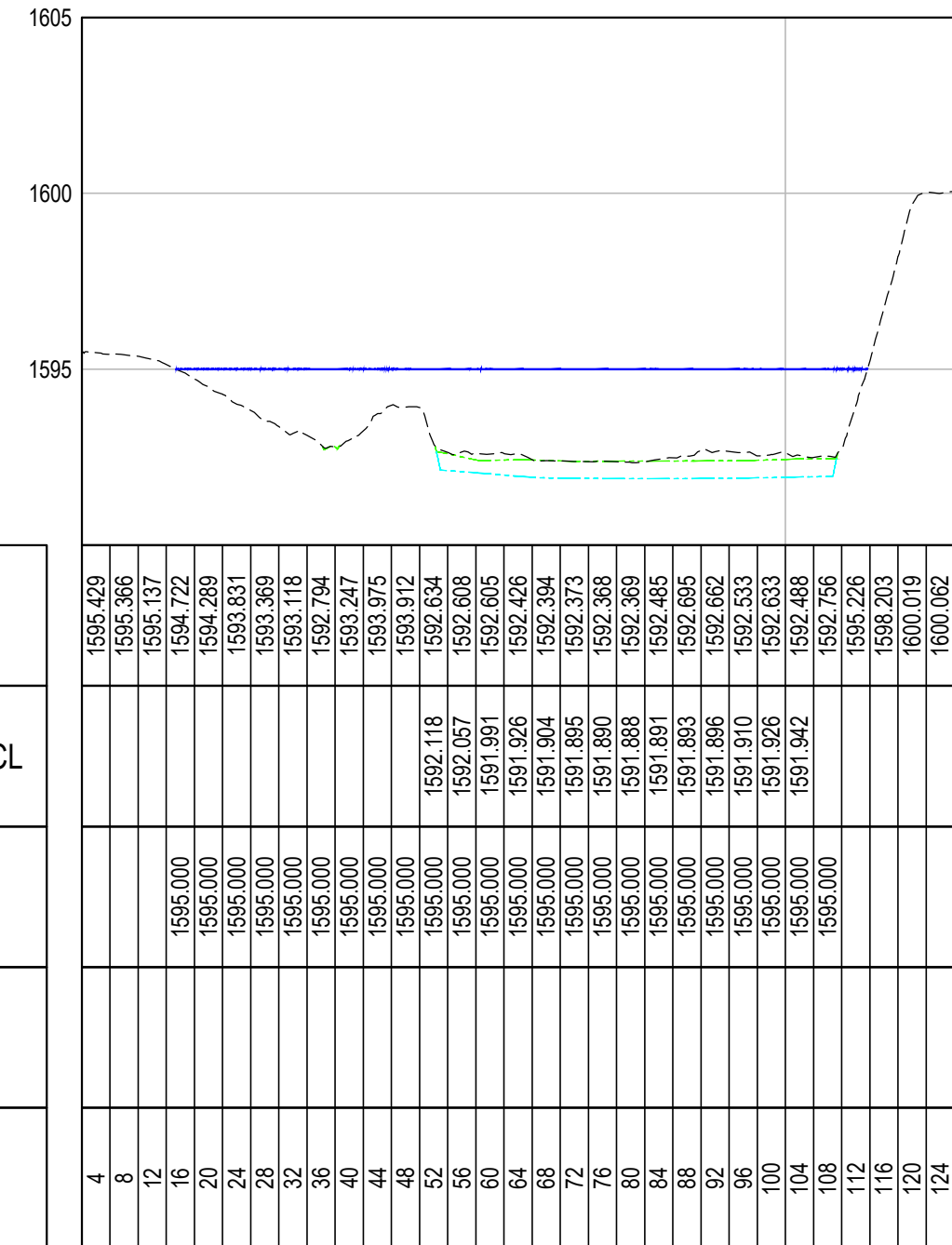
GROUND LEVELS ON CL

BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION A
FROM 0.000 TO 125.000

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

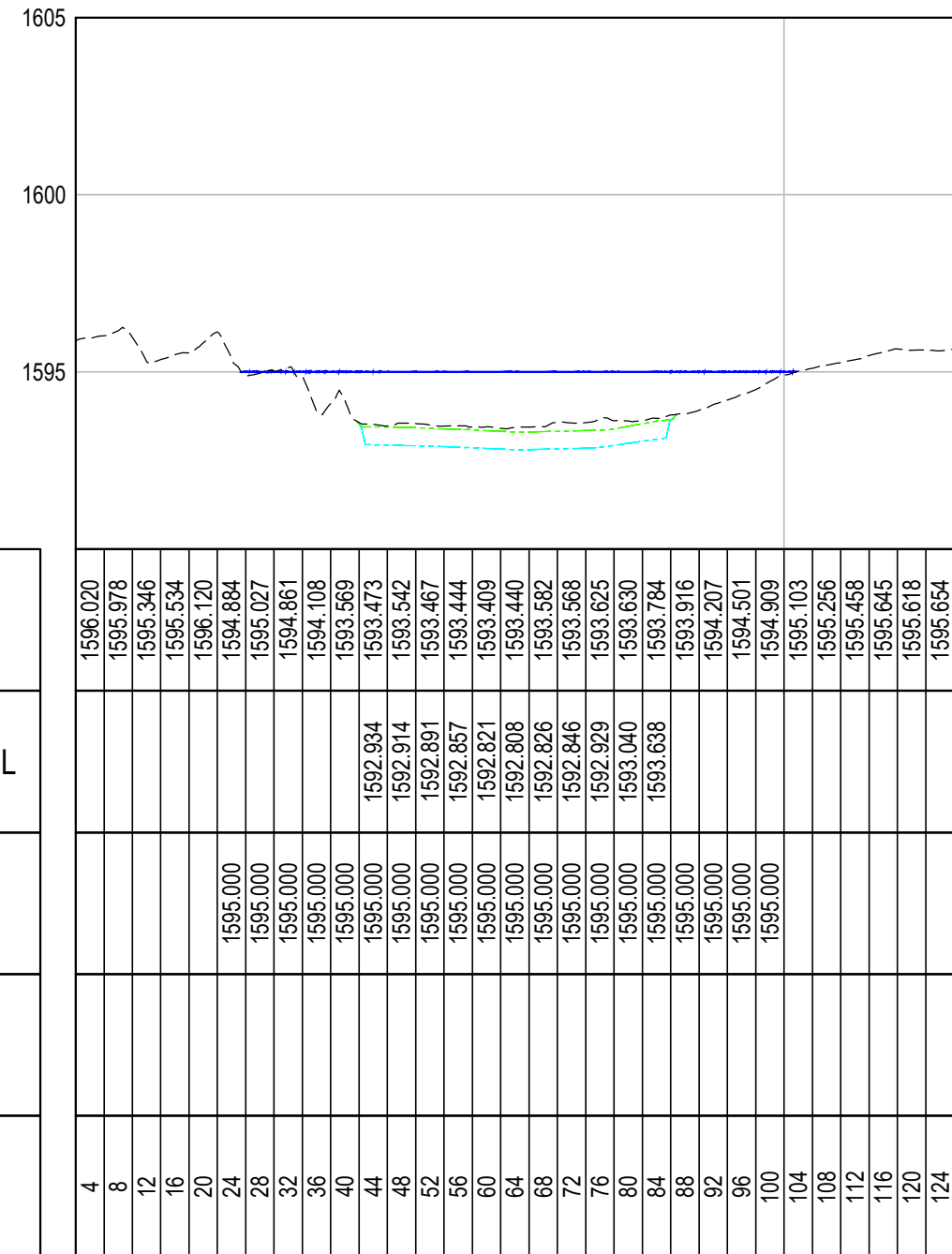
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BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION B
FROM 0.000 TO 125.000

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

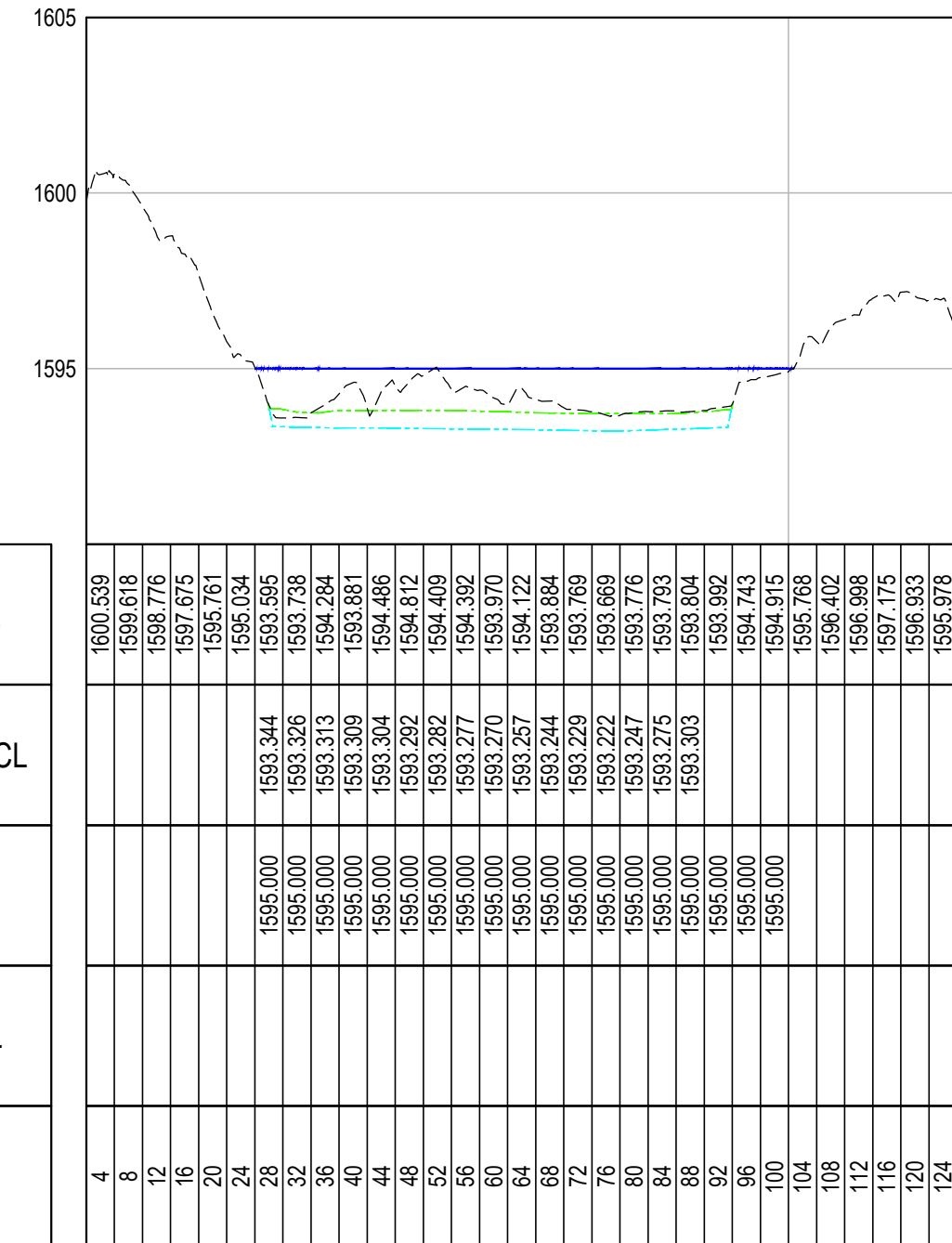
GROUND LEVELS ON CL

BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION C
FROM 0.000 TO 125.000

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

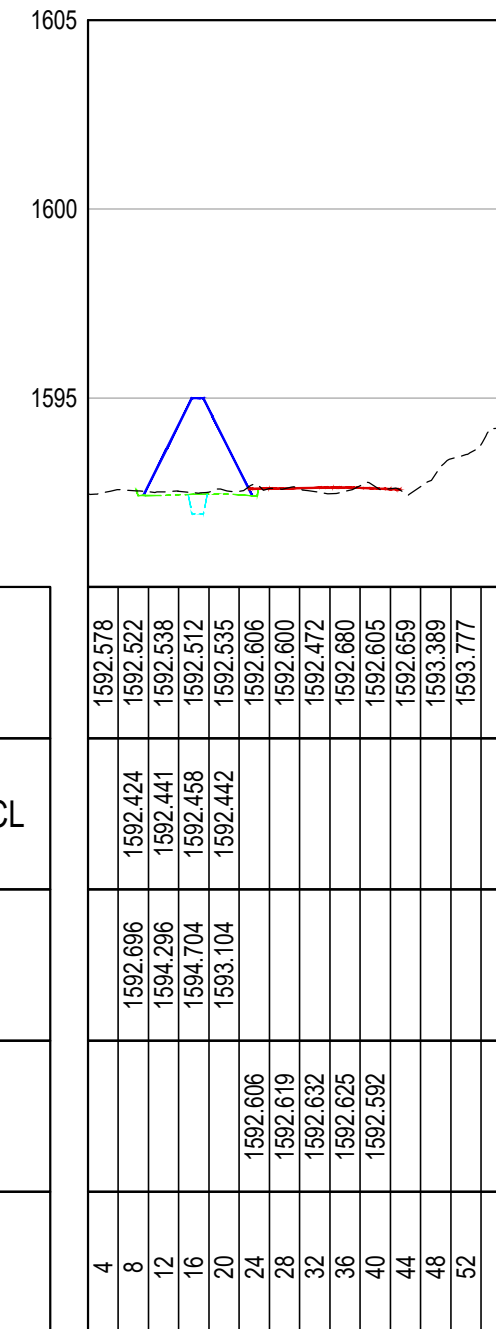
GROUND LEVELS ON CL

BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION D
FROM 0.000 TO 55.000

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

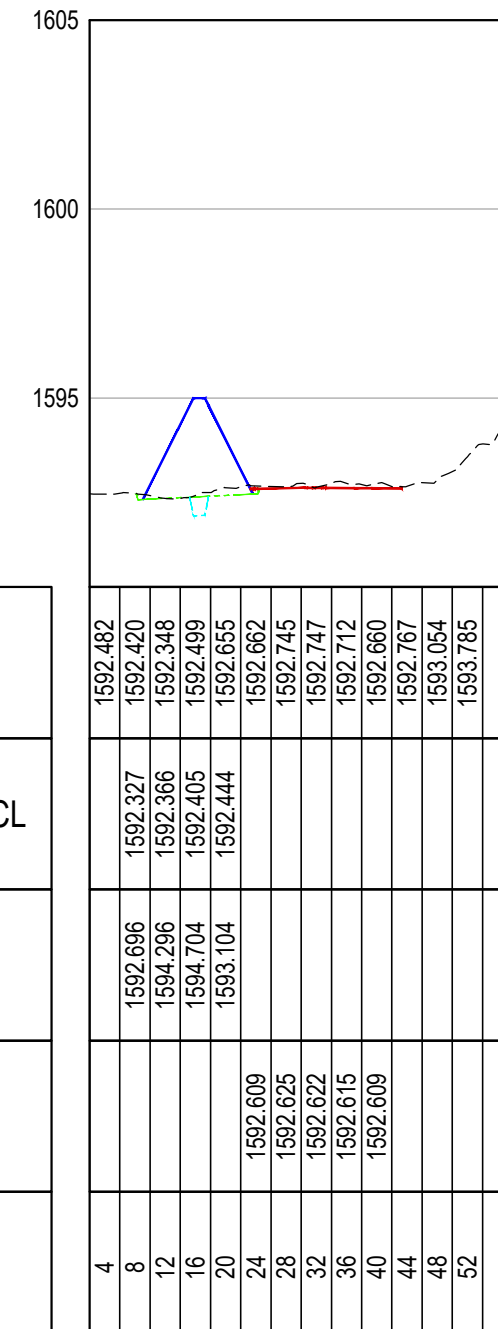
GROUND LEVELS ON CL

BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION E
FROM 0.000 TO 55.000

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

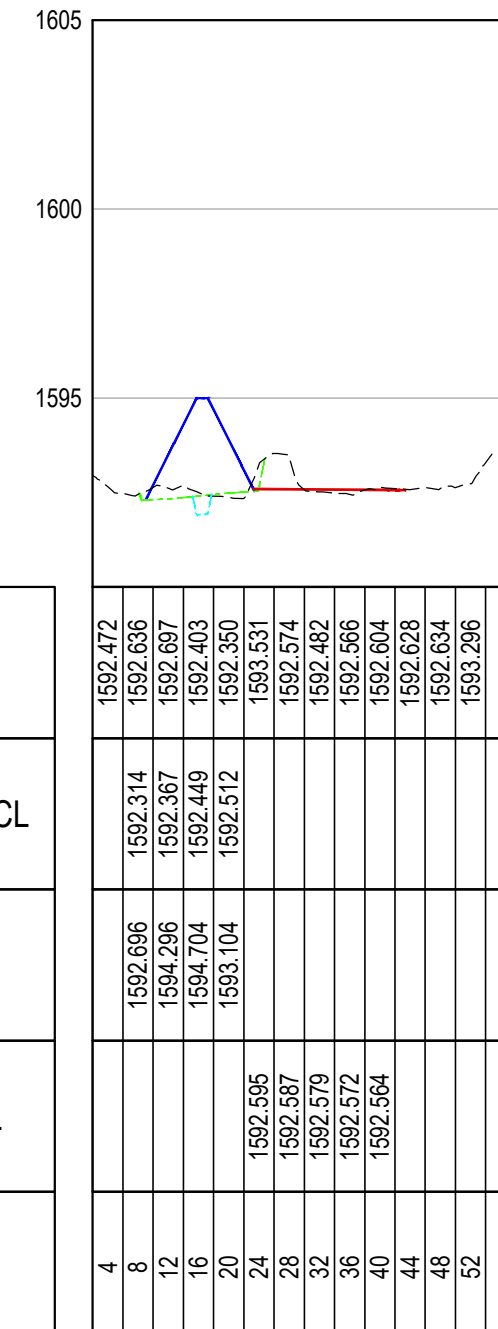
GROUND LEVELS ON CL

BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION F
FROM 0.000 TO 55.000

N.G.L

BERM TOP

BERM BEW

BERM BEW KEY

SITE SHAPING

SCALES:
Horizontal 1:1000
Vertical 1:200

DATUM 1590.000

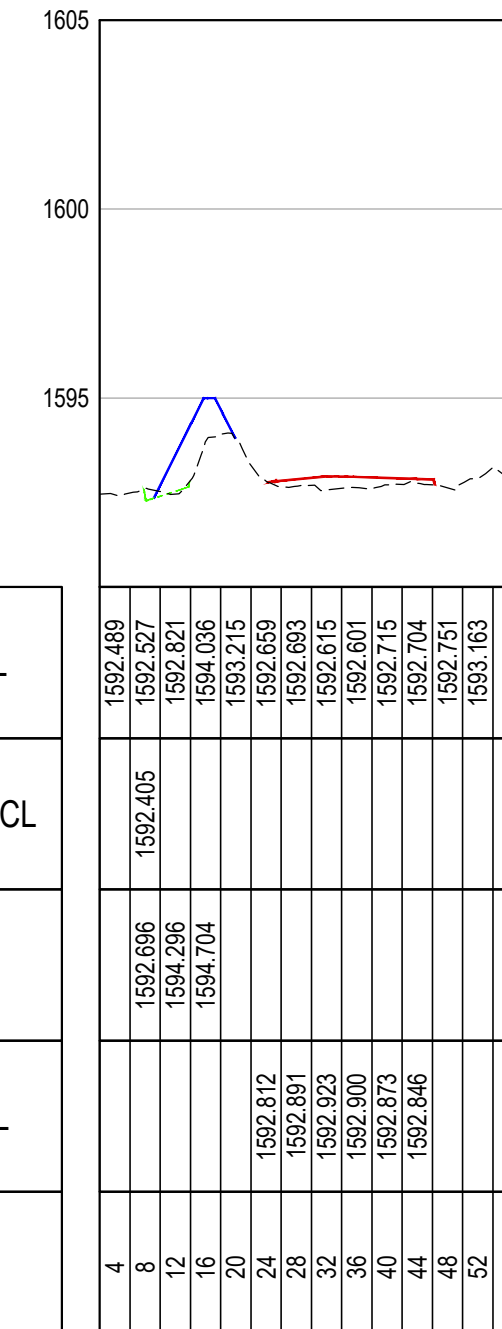
GROUND LEVELS ON CL

BERM BEW LEVELS ON CL

BERM LEVELS ON CL

SHAPING LEVELS ON CL

DISTANCE (m)



LONGSECTION SECTION G
FROM 0.000 TO 55.000

LEGEND:

TENDER

Rev	Date	Description of changes	By
A	2023-04-21	ISSUED FOR TENDER	RvdM

REVISIONS

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APPROVED PR ENG: 202101813

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BEARS THE ORIGINAL SIGNATURE OF APPROVAL.

R vd MERWE 2023-04-21

SIGNATURE: NAME: DATE:

Project

COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14

Project Description

WATER INGRESS AT
NEW MODDER NO 14

Drawing Title

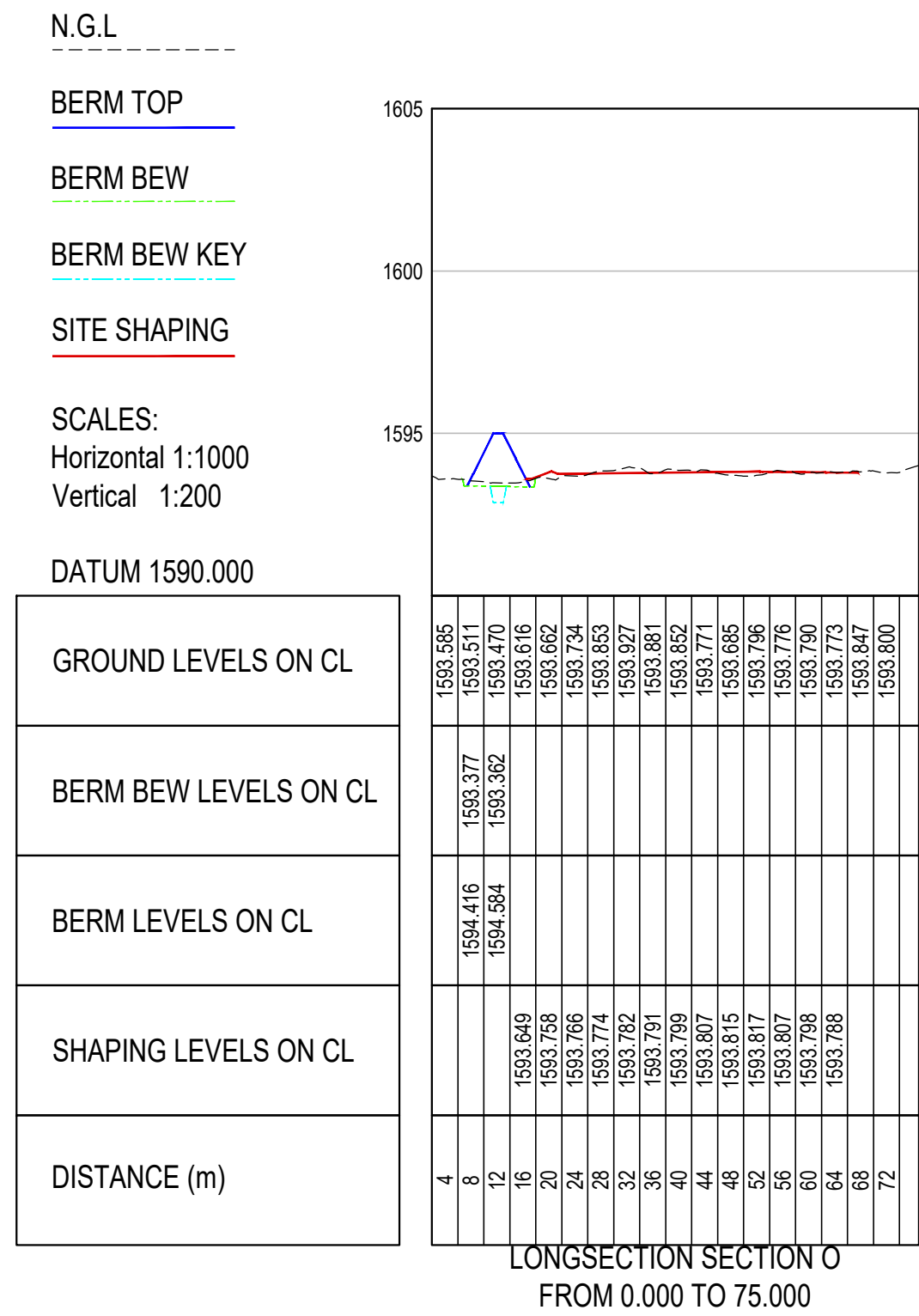
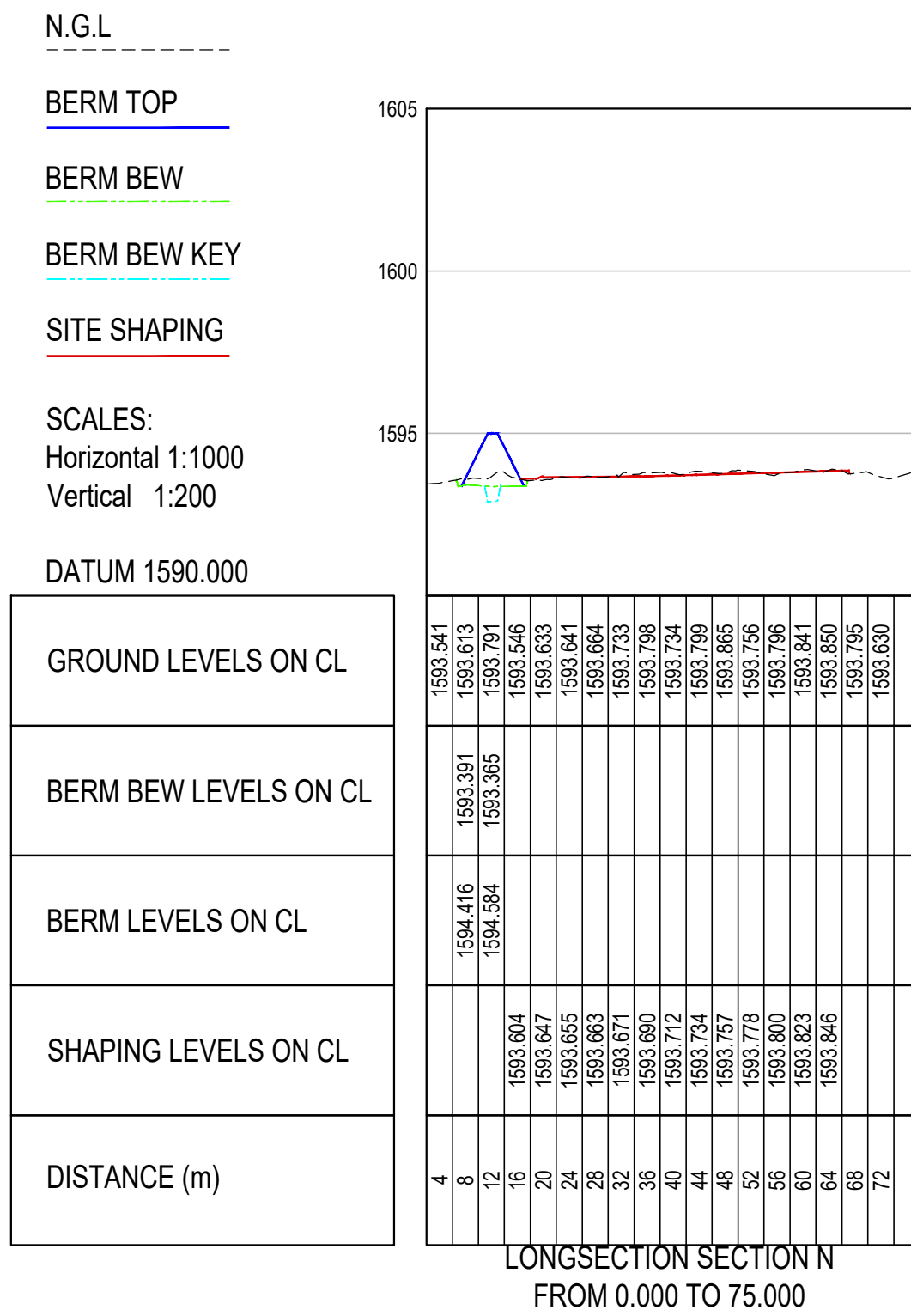
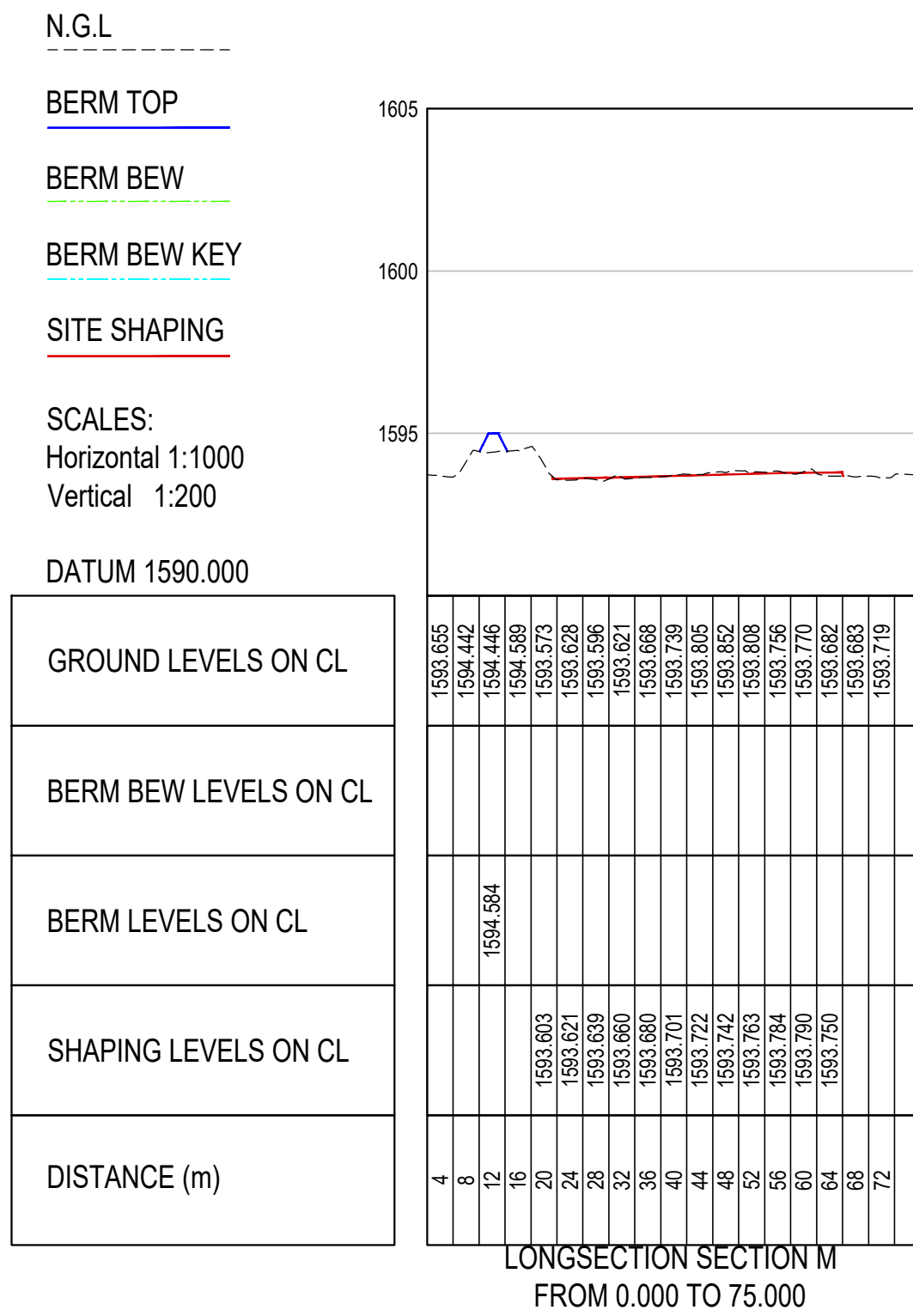
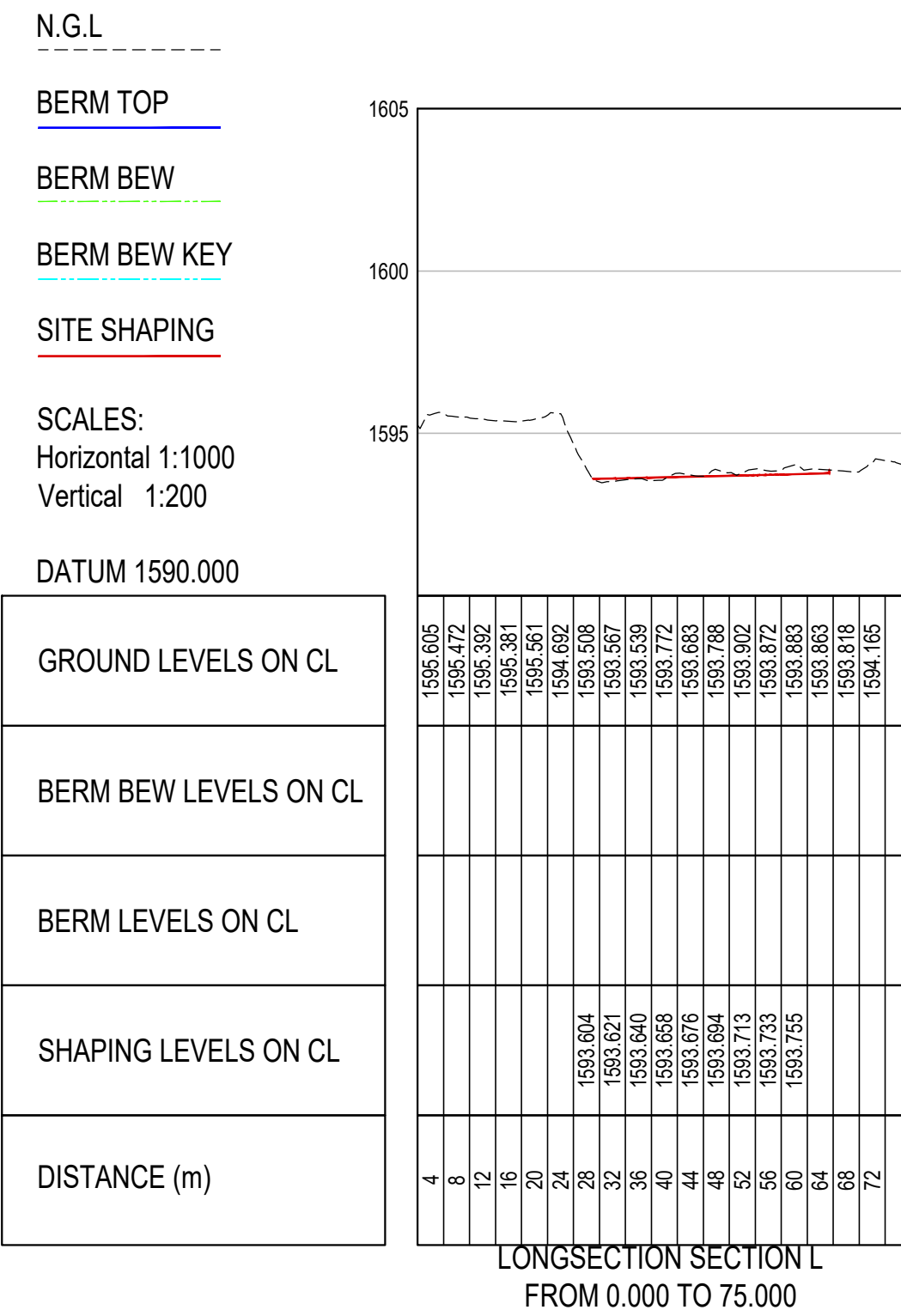
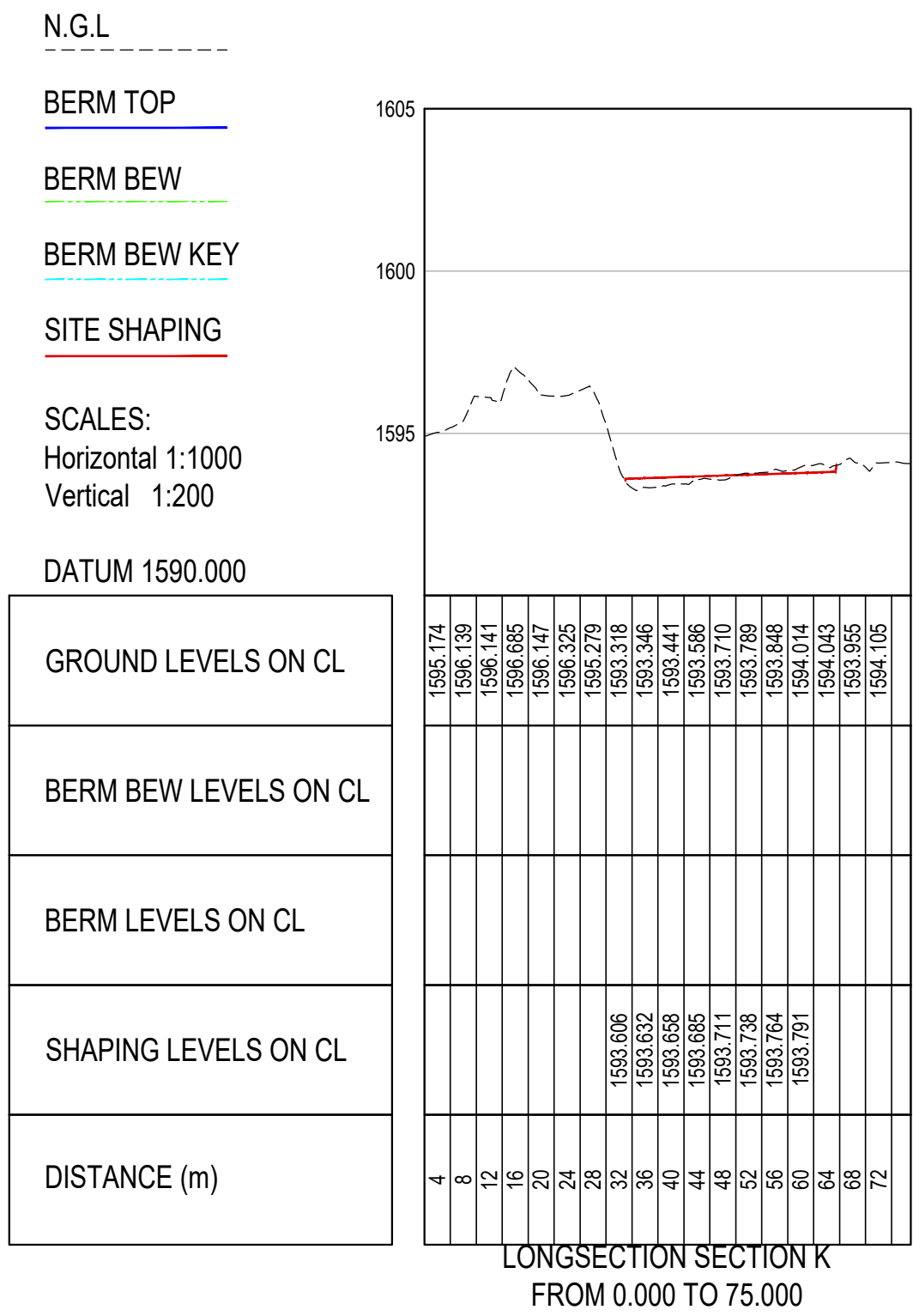
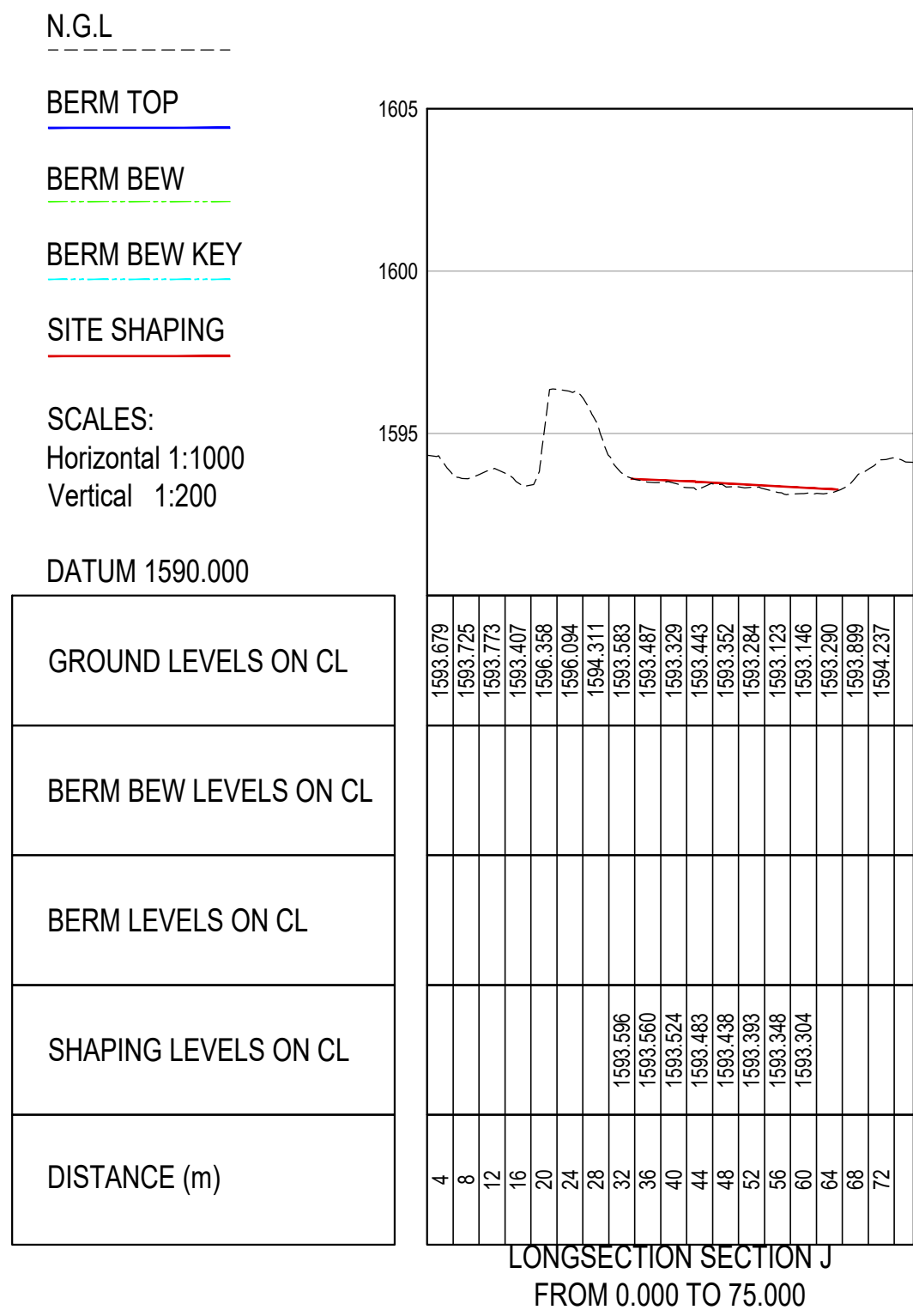
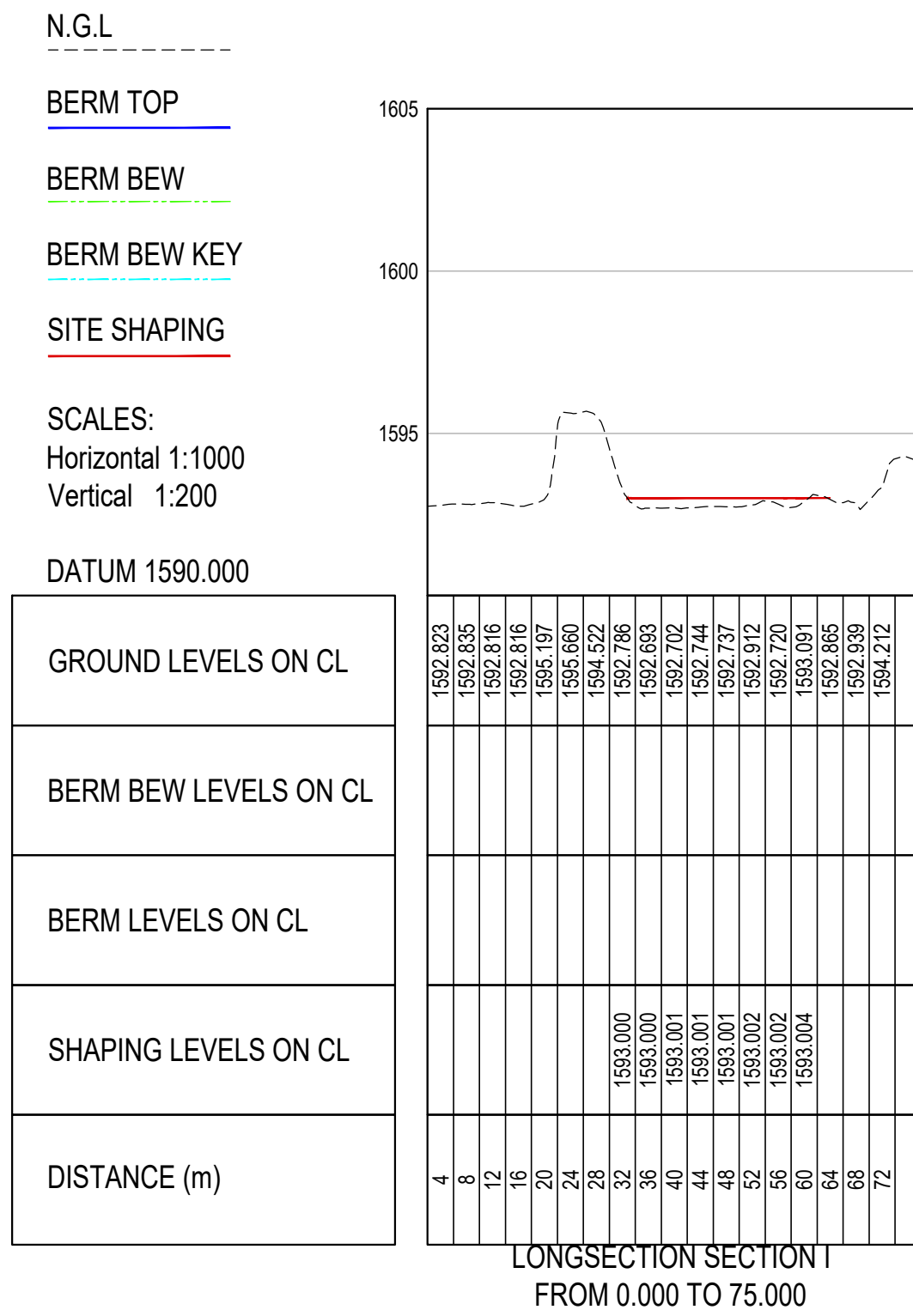
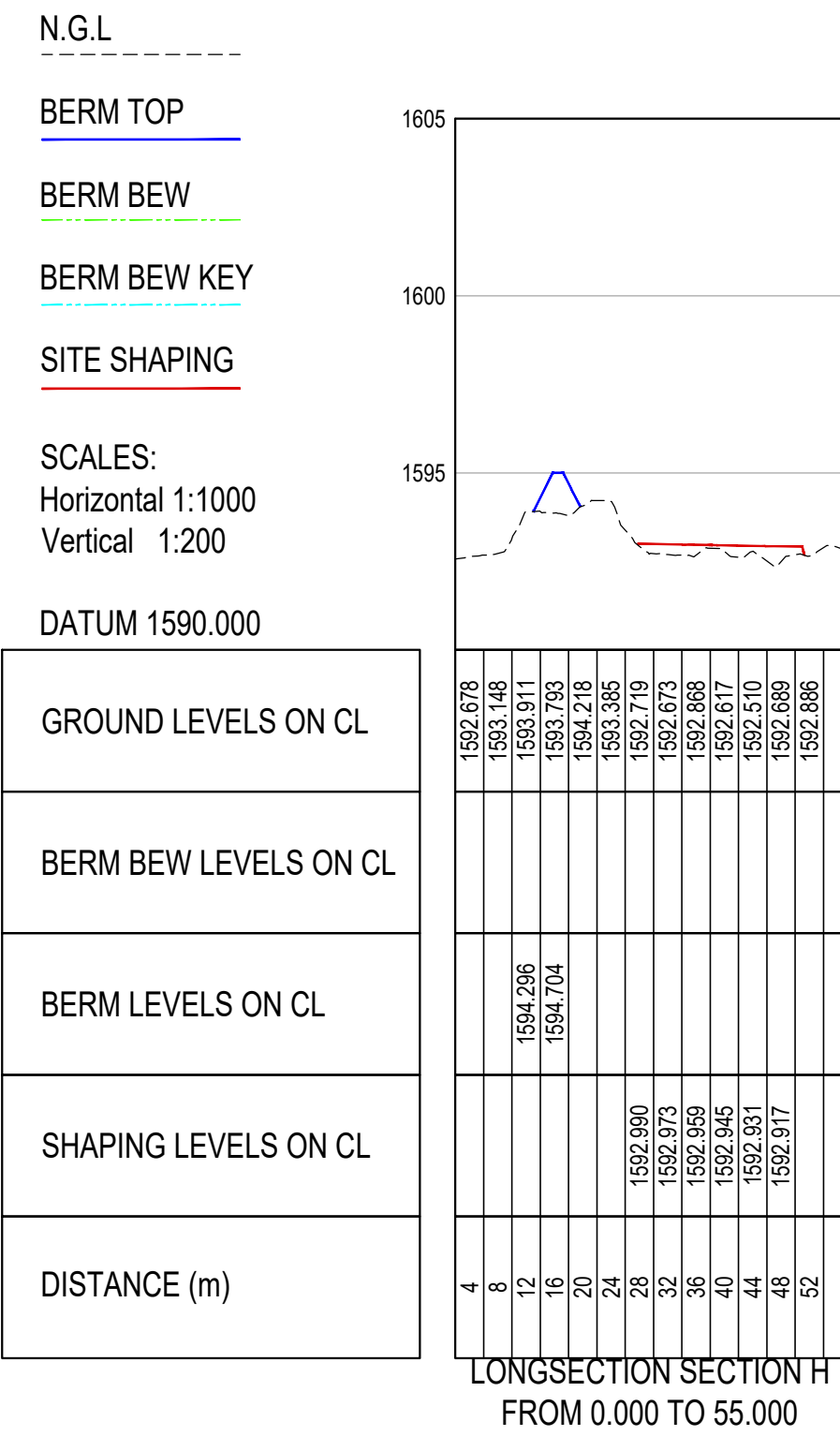
EARTHWORKS
EARTHWORKS SECTIONS
SHEET 1 OF 3

Drawing Units METRES Drawing Size A1

Date APRIL 2023 Scale AS SHOWN Designed By J vd MERWE

Checked By R vd MERWE Drawn By R HURD Approved By R vd MERWE

Drawing No. P22109-TN-02-EWLS-001 Rev A



LEGEND:

TENDER

Rev	Date	Description of changes	By
A	2023-04-21	ISSUED FOR TENDER	RvdM

REVISIONS

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APPROVED PR ENG: 202101813

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BEARS THE ORIGINAL SIGNATURE OF APPROVAL.

Signature: R vd MERWE

Name: 2023-04-21

Date: DATE:

Project

COUNCIL FOR GEOSCIENCES
WATER INGRESS
NEW MODDER NO 14

Project Description

WATER INGRESS AT
NEW MODDER NO 14

Drawing Title

EARTHWORKS
EARTHWORKS SECTIONS
SHEET 2 OF 3

Drawing Units METRES Drawing Size A1

Date APRIL 2023 Scale AS SHOWN Designed By J vd MERWE

Checked By R vd MERWE Drawn By R HURD Approved By R vd MERWE

Drawing No. P22109-TN-02-EWLS-002 Rev 

