

Appendices



Appendix A Waste Quantities

DISPOSAL DATA FOR GREEN ISLAND LANDFILL FROM 1 JULY 2017 TO 30 JUNE 2018

Waste Coding	Number of Transactions	Tonnes	Charge Incl GST	Cost per Tonne Incl GST	Cost per Transaction
C&D	2,553	4,109	\$155,824	\$37.92	
Commercial	83	1,324	\$0	\$0.00	
ComTS	79	251	\$42,876	\$170.82	
Dly Cover	1,647	7,326	\$272,555	\$37.20	
Domestic	34,811	860	\$980,559	\$1140.18	\$28.17
Garden prod	5	0	\$385		\$77.00
Gen SW	20,007	66,151	\$9,331,287	\$141.06	
Inert	7,465	61,518	\$308,339	\$5.01	
Mixed	1,592	0	\$44,720		\$28.09
Monitor	1	0	\$40		\$40.00
Other	392	90	\$37,277	\$414.19	
Public	361	244	\$4,549	\$18.64	
Re	438	99	\$5,569	\$56.25	
Re Out	1,112	1,160	\$0	\$0.00	
Ref/Lit Co	42	522	\$89,563	\$171.58	
Sp/Haz/1	1,224	5,019	\$1,275,202	\$254.07	
Sp/Haz/2	689	2,260	\$601,335	\$266.08	
Sp/Haz/Dry	563	1,406	\$365,343	\$259.85	
Sp/Haz/xDn	1	1	\$433	\$721.67	
Tankered W	595	3,369	\$74,232	\$22.03	
Tipface	1,170	6,924	\$0	\$0.00	
Veg	2,133	590	\$98,358	\$166.71	
	76,963	163,223	\$13,688,446	\$83.86	

AGGREGATED WASTE TYPES

General Waste	62,054	74,141	\$10,785,053	\$145.47
Special Waste	3,072	12,055	\$2,316,545	\$192.17
Annual Waste		86,196		
Cleanfill	10,282	75,768	\$580,894	\$7.67

= Base Charge (BC)

132%

5%

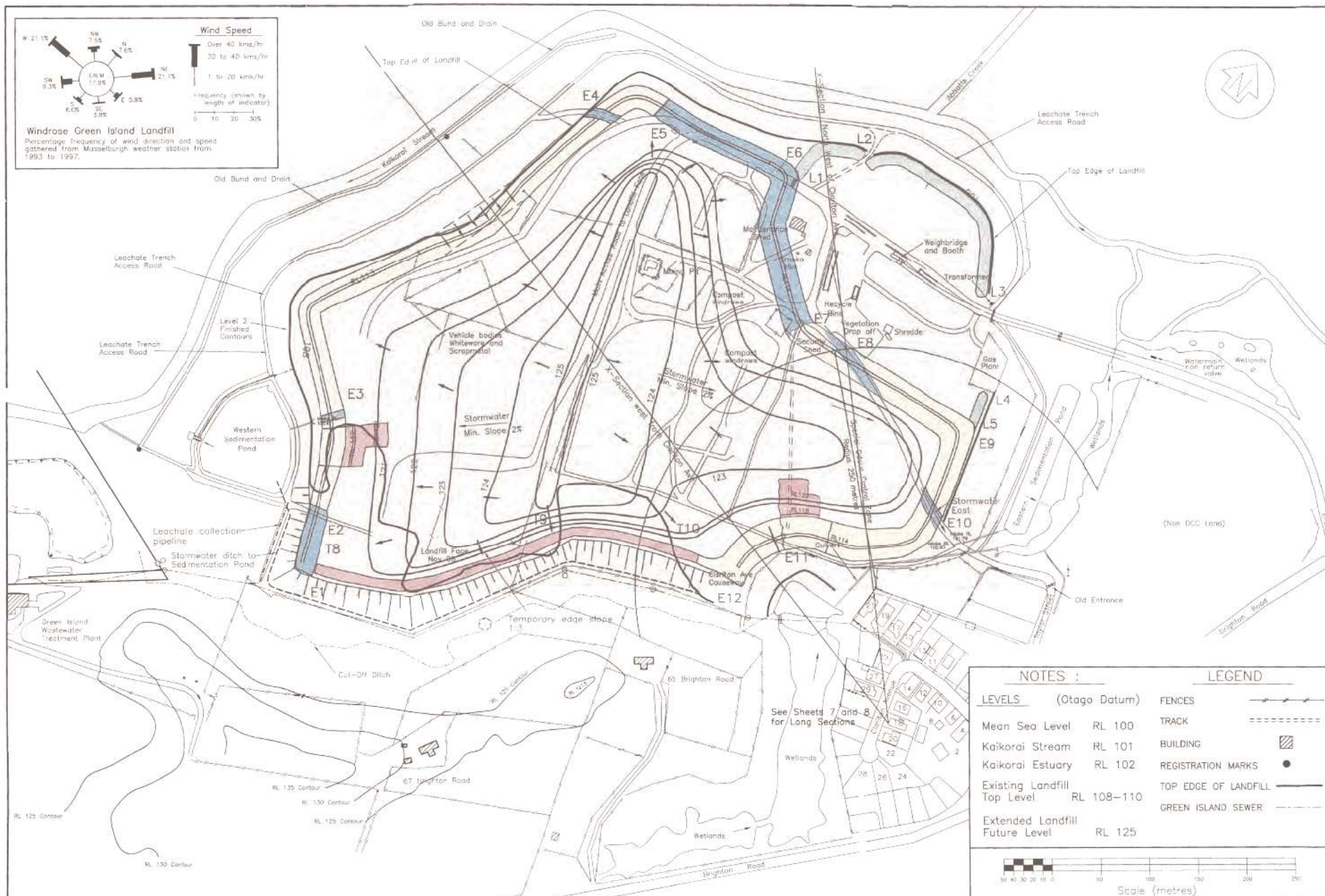
and is 86% of annual waste tonnage of BC and is 14% of annual waste tonnage

of BC and is 86% additional to annual waste tonnage

ASSUMED WASTE QUANTITIES AND CHARGING BASIS

General Refuse	75,000	86%	BC
Special Refuse	12,000	14%	133% of BC
Annual Waste	87,000		
Cleanfill	75,000	86%	5% of BC

Appendix B Green Island Landfill Development Plans



DESIGNED	J. Doorey	3/98	SURVEYED	AEB,TMC,PTC	No.	AMENDMENT	DATE
DRAWN	AEB,PTC,TMC,MB	24/2/99					
TRACED	SDRmap / ACAD	24/2/99					
CHECKED							
APPROVED							
693807.917 N 309910.583 E 40°							
NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK.							

CITY CONSULTANTS
Engineers and Surveyors

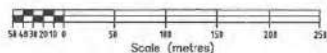
GREEN ISLAND LANDFILL
DEVELOPMENT PLAN
FINAL FILLING
EXCLUDING FILLING OVER SEWER LINE

ORIGINAL SCALE	1:2500
DRAWING No.	5526/114
SHEET No.	5 of 8
ISSUE	A B C D E F G
DATE ISSUED	24 Feb 1999

ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

LEGEND

- FENCE
- EXTENT OF LANDFILLED AREA
- LANDFILL OPERATION AREA
- LANDFILL DESIGNATION DASH
DUNEDIN CITY COUNCIL DISTRICT PLAN
- SEWER LINE
- STORMWATER DITCH



NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	INITIALS	DATE	INITIALS

TAB/DWG : Layout 1 / 10516-18 G09.dwg
 SERVER : DUNEDIN (K2000250)
 XREFS : K08ASEPLAN 1804, X_closure contour

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FIELDBOOK	Name	Date
SURVEYED	J.R. PHIPPS	12/03
DESIGNED		
DRAWN	M.A. BENT	09/04
CHECKED		
APPROVED		



LANDFILL MANAGEMENT & DEVELOPMENT PLANS
 GREEN ISLAND LANDFILL
 OPTION 1 - FINAL LANDFORM WITHOUT
 EXTENSION OVER SEWER

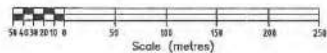
Drawn Scale	FOR REVIEW
Date Drawn	16.09.2004
SEALES (A1) 1:2500 (A3) 1:5000	
Job No.	Sheet No.
006116-18	G09
	A

ENVIRONMENTAL & LAND/CAD/ENR/16-18 G09.dwg

ORIGINAL SIZE A1
DO NOT SCALE - IF IN DOUBT, ASK

LEGEND

- FENCE
- - - - - EXTENT OF LANDFILLED AREA
- - - - - LANDFILL OPERATION AREA
- LANDFILL DESIGNATION D45B
- - - - - DUNEDIN CITY COUNCIL DISTRICT PLAN
- - - - - SEWER LINE
- → → STORMWATER DITCH



NOT FOR CONSTRUCTION

REV	AMENDMENTS	DATE	INITIAL	DATE	INITIAL

TAB/DWG : 1.0/201-1/ 100110-10 G10.dwg
SERVER : DUNEDIN\WZ0002510
XREFS : XBASEPLAN 2004, X_close contours

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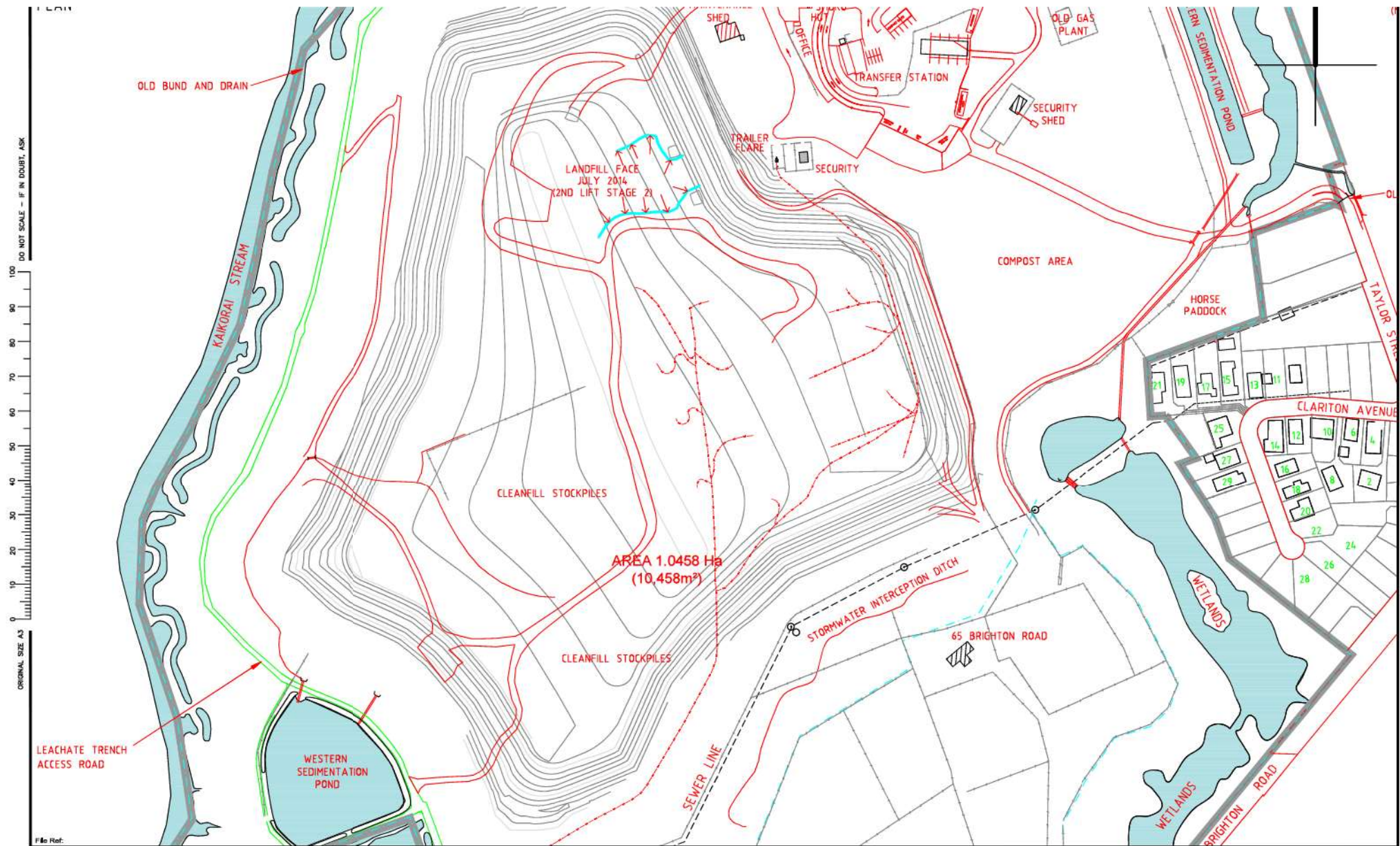
FIELDBOOK	Name	Date
SURVEYED	J.D. PHIPPS	12/93
DESIGNED		
DRAWN	M.A. BECH	09/04
CHECKED		
APPROVED		



LANDFILL MANAGEMENT & DEVELOPMENT PLANS
GREEN ISLAND LANDFILL
OPTION 2 - FINAL LANDFORM WITH
EXTENSION OVER SEWER

Drawn Shane	FOR REVIEW
Date Shane	16.09.2004
SCALE (A1) 1:2500 (A3) 1:5000	
Job No. 006116-1B	Sheet No. G10
	Rev. A

P:\000001\16-1B\DWG\CAD\00116-1B G10.dwg



DO NOT SCALE - IF IN DOUBT, ASK
 100
90
80
70
60
50
40
30
20
10
0
 ORIGINAL SIZE A3

Prepared For:		No.		Amendments		Drawn		Date		GREEN ISLAND LANDFILL		Project No.: 14099		Surveyed: DCS	
\\ACAD\CLIENT LOGS\DELTA TRIM\IMR\A3.PIC												Scale: 1:2500		Designed:	
												Date: FEB 2015		Drawn: DCS	
												Sheet: 01		Checked:	

Survey Services

TL Survey Services Limited

P.O. Box 901 DUNEDIN

Phone (03) 477 1133

Surveying Consultants

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Appendix C Green Island Landfill Drone Survey Final Landforms



				SURVEYED		
				DESIGNED		
				DRAWN		
				CAD REVIEW		
				DETAILS CHECKED		
				DETAILED REVIEW		
				APPROVED		
TITLE:	REVISIONS:	DATE:	CHK:	APP:	DATE:	NOT APPROVED



DCC WASTE FUTURES 2023

GREEN ISLAND LANDFILL
PLAN

NOT FOR CONSTRUCTION

WORKING PLOT

0110 10000

1

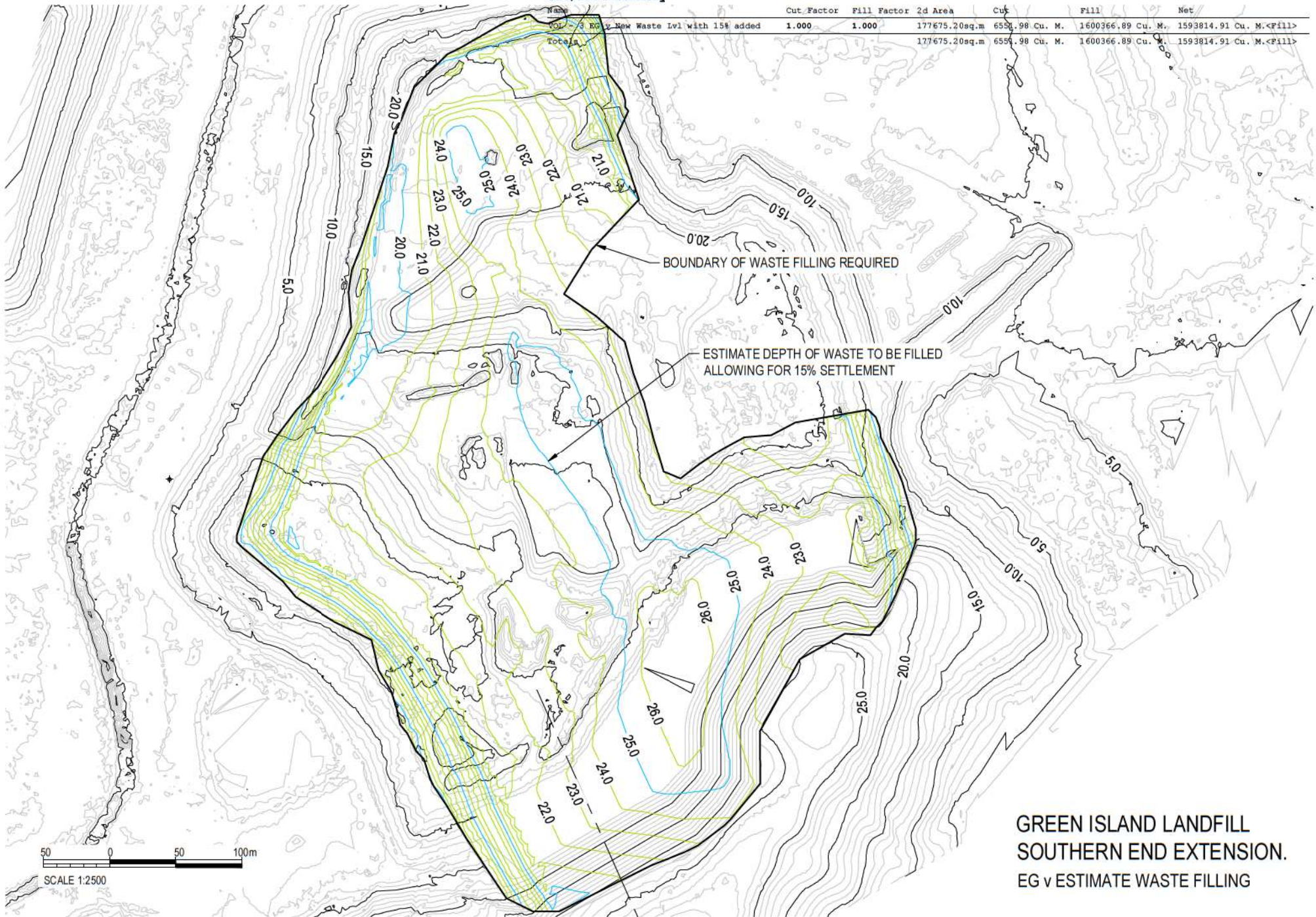
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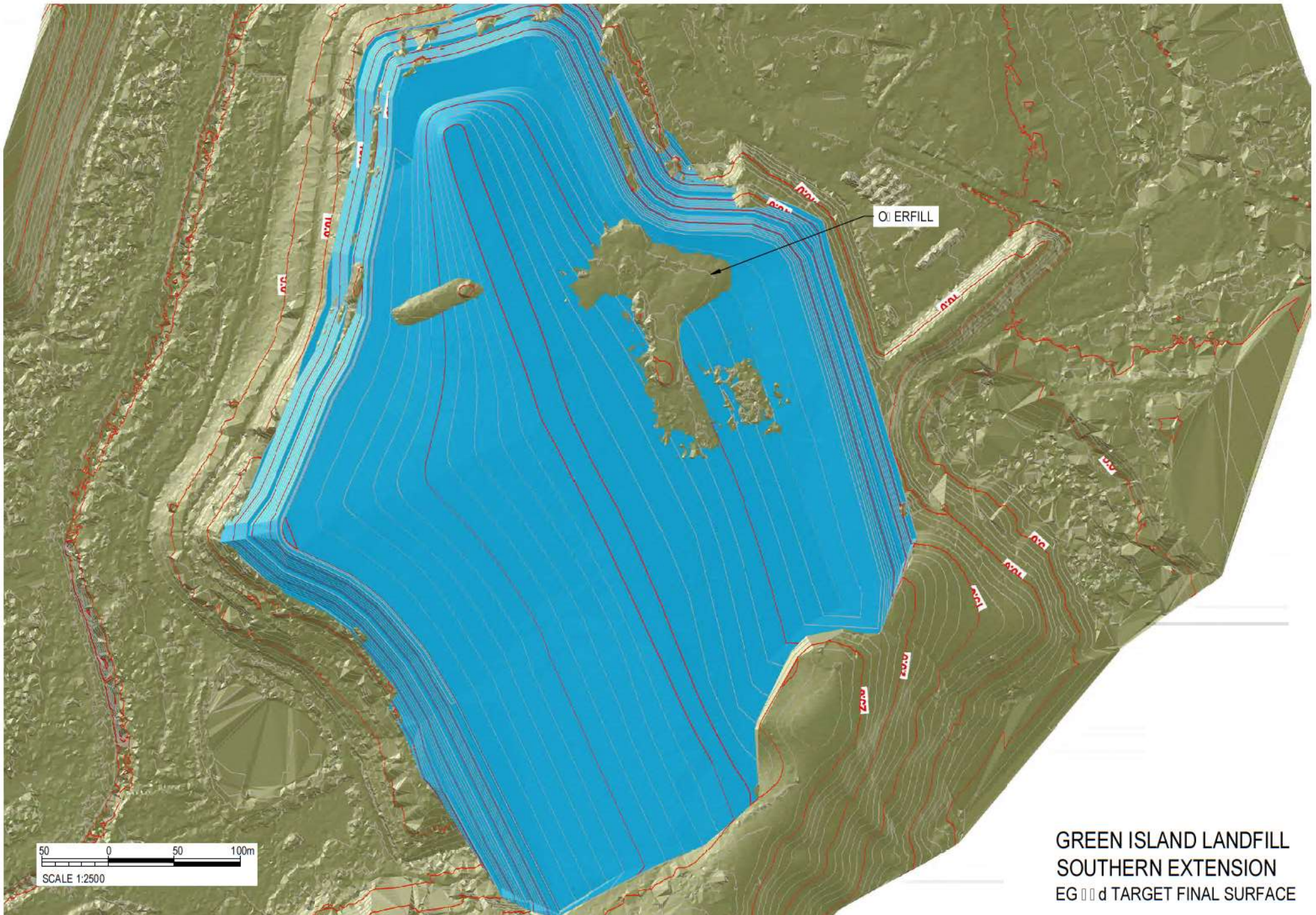
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Cut/Fill Summary

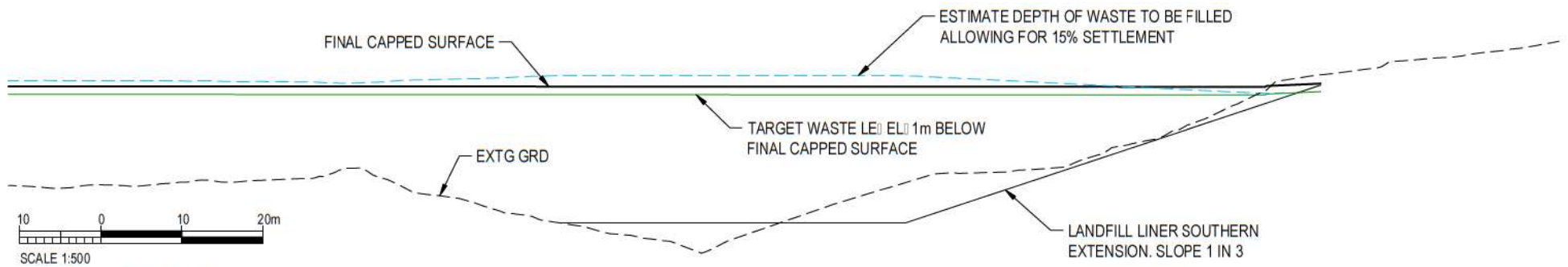
Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
EG v New Waste Lvl with 15% added	1.000	1.000	177675.20sq.m	6553.98 Cu. M.	1600366.89 Cu. M.	1593814.91 Cu. M.<Fill>
Totals			177675.20sq.m	6553.98 Cu. M.	1600366.89 Cu. M.	1593814.91 Cu. M.<Fill>



GREEN ISLAND LANDFILL
SOUTHERN END EXTENSION.
EG v ESTIMATE WASTE FILLING

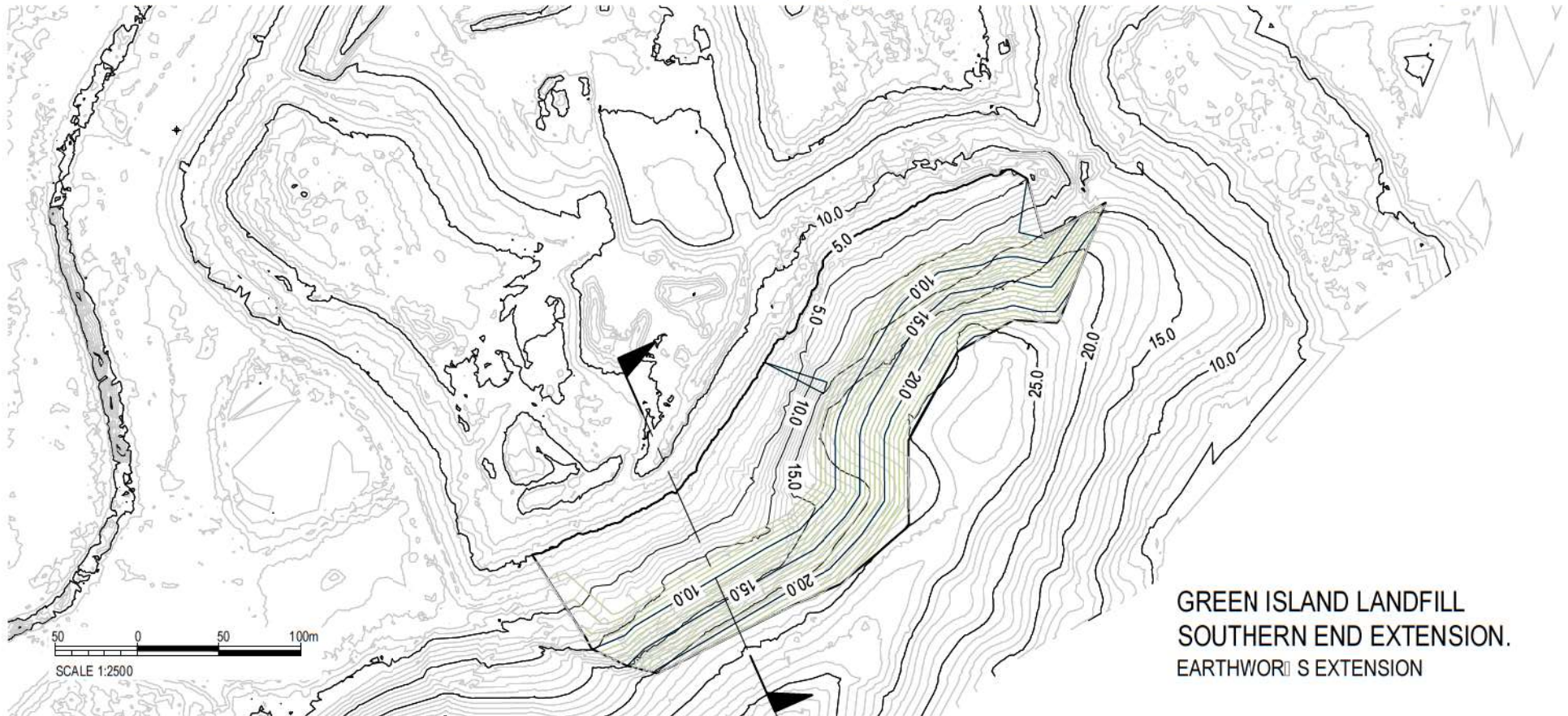


GREEN ISLAND LANDFILL
SOUTHERN EXTENSION
EG $\square$ d TARGET FINAL SURFACE



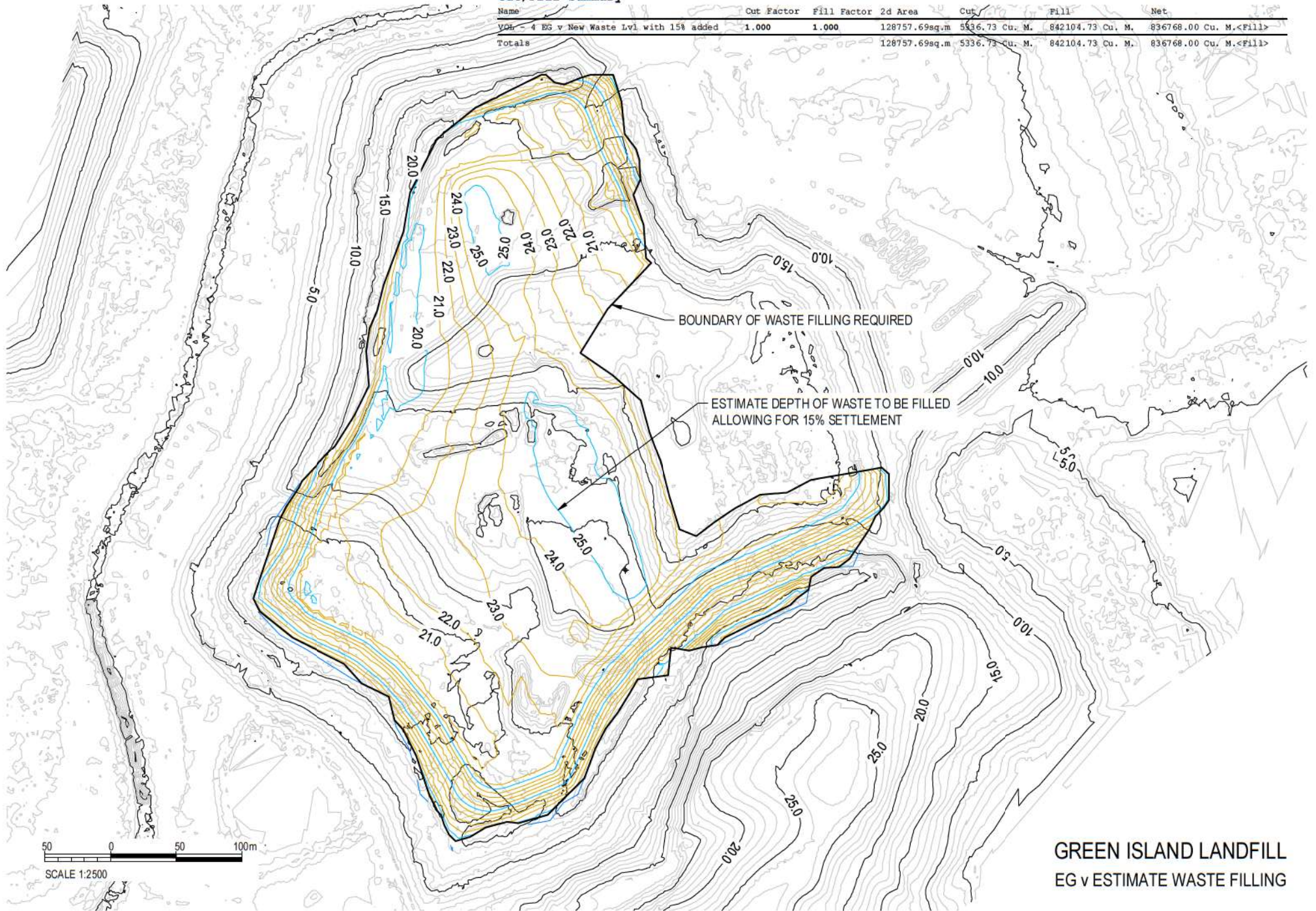
Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL - 1 EG v New Souther Base	1.000	1.000	39634.74sq.m	112638.65 Cu. M.	16787.81 Cu. M.	95850.84 Cu. M.<Cut>
Totals			39634.74sq.m	112638.65 Cu. M.	16787.81 Cu. M.	95850.84 Cu. M.<Cut>



Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL - 4 EG v New Waste Lvl with 15% added	1.000	1.000	128757.69sq.m	5336.73 Cu. M.	842104.73 Cu. M.	836768.00 Cu. M.<Fill>
Totals			128757.69sq.m	5336.73 Cu. M.	842104.73 Cu. M.	836768.00 Cu. M.<Fill>



GREEN ISLAND LANDFILL
EG v ESTIMATE WASTE FILLING

