EARTHWORKS NOTES:

- CUT/FILL PLAN INDICATES THE DIFFERENTIAL SURFACE BETWEEN THE EXISTING GROUND AND THE FINISHED GROUND SURFACE MODELS.
- ALL EARTHWORKS SHALL BE IN ACCORDANCE WITH NZS 4404:2010 LAND DEVELOPMENT AND SUBDIVISION INFRASTRUCTURE AND NZS 4431:1989 EARTH FILL FOR RESIDENTIAL CONSTRUCTION (INCORPORATING ALL AMENDMENTS).
- SOIL TESTING SHALL BE IN ACCORDANCE WITH NZS 4402.1 TO 7:1986 METHODS OF TESTING SOILS FOR CIVIL ENGINEERING PURPOSES - SOIL TESTS.
- ALL VOLUMES HAVE BEEN CALCULATED IN SOLID ON FIXED DESIGN DEPTHS. VOLUMES EXCLUDE POSSIBLE UNDER-CUT OF SOFT SPOTS, UNDERGROUND FEATURES AND CONTAMINATED MATERIALS.
- ALL MEASUREMENTS SHALL BE VERIFIED ONSITE.
- DO NOT SCALE FROM DRAWING. IF EXTRA INFORMATION IS REQUIRED, PLEASE CONTACT STRATA GROUP CONSULTING ENGINEERS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO SURVEY THE SUB-GRADE AND UNDER-CUT OF SOFT SPOTS & ANY IRREGULARITIES TO ENSURE ACCURACY OF CUT - FILL VOLUMES.

VOLUMES

1	TOPSOIL STRIPPING (GENERALIZED AT 300MM)	6,150M³
2	CUT FROM TOPSOIL STRIP TO SUBGRADE (PLATFORMS AND ACCESS)	8,280M³
3	COHESIVE/APPROVED FILL REQUIRED FROM SUBGRADE LEVEL	7,380M³
4	IMPORTED GRANULAR FILL FOR ACCESS FORMATIONS	1528M³
5	CUT TO WASTE (#2 - #3)	830M³

NOTES ON ABOVE VOLUMES:

- ALL TOPSOIL WILL BE RESPREAD ONSITE AND DISCREET STOCKPILES WILL BE LEFT ON EACH OF THE BUILDING PLATFORMS FOR LANDSCAPING PURPOSES
- #3 COHESIVE FILL REQUIRED TO BE SITE-WON WHERE SUITABLE. SOME IMPORTED COHESIVE FILL MAY BE REQUIRED IF SITE-WON MATERIAL IS NOT SUITABLE
- IT IS ANTICIPATED THAT A SUITABLE LOCATION WITHIN THE WIDER MANGAKURI STATION WILL BE SOUGHT TO FILL WITH THE CUT TO WASTE MATERIAL

CUT/FILL TABLE

Number	Minimum Level	Maximum Level	Colour
1	-3.00	-2.00	
2	-2.00	-1.00	
3	-1.00	-0.30	
4	-0.30	-0.03	
5	0.03	0.30	
6	0.30	1.00	
7	1.00	2.00	
8	2.00	4.10	

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH PENZ PRACTICE NOTE 07 'DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2009)'. IT REMAINS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY.

REV	REASON FOR ISSUE	DATE	BY
3	REVISED FOR RC	1/09/23	SS
2	REVISED FOR RC	9/08/23	SS
1	RESOURCE CONSENT	20/7/23	SS

THE CONTRACTOR IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW. DOCUMENTATION OF THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS.

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PROJECT: MANGAKURI STATION SUBDIVISION
402 MANGAKURI ROAD, MANGAKURI

TITLE: CUT AND FILL PLAN OVERVIEW

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DESIGNED: SG
DRAWN: SG
CHECKED: RN
DATE: 15/09/23

0 10 20 40 60
Full Size 1:1000 , Half Size 1:2000
Scale (m)

PROJECT NO.: J5864 | SHEET: C150 | REVISION: 3

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NOT FOR CONSTRUCTION