

D

C

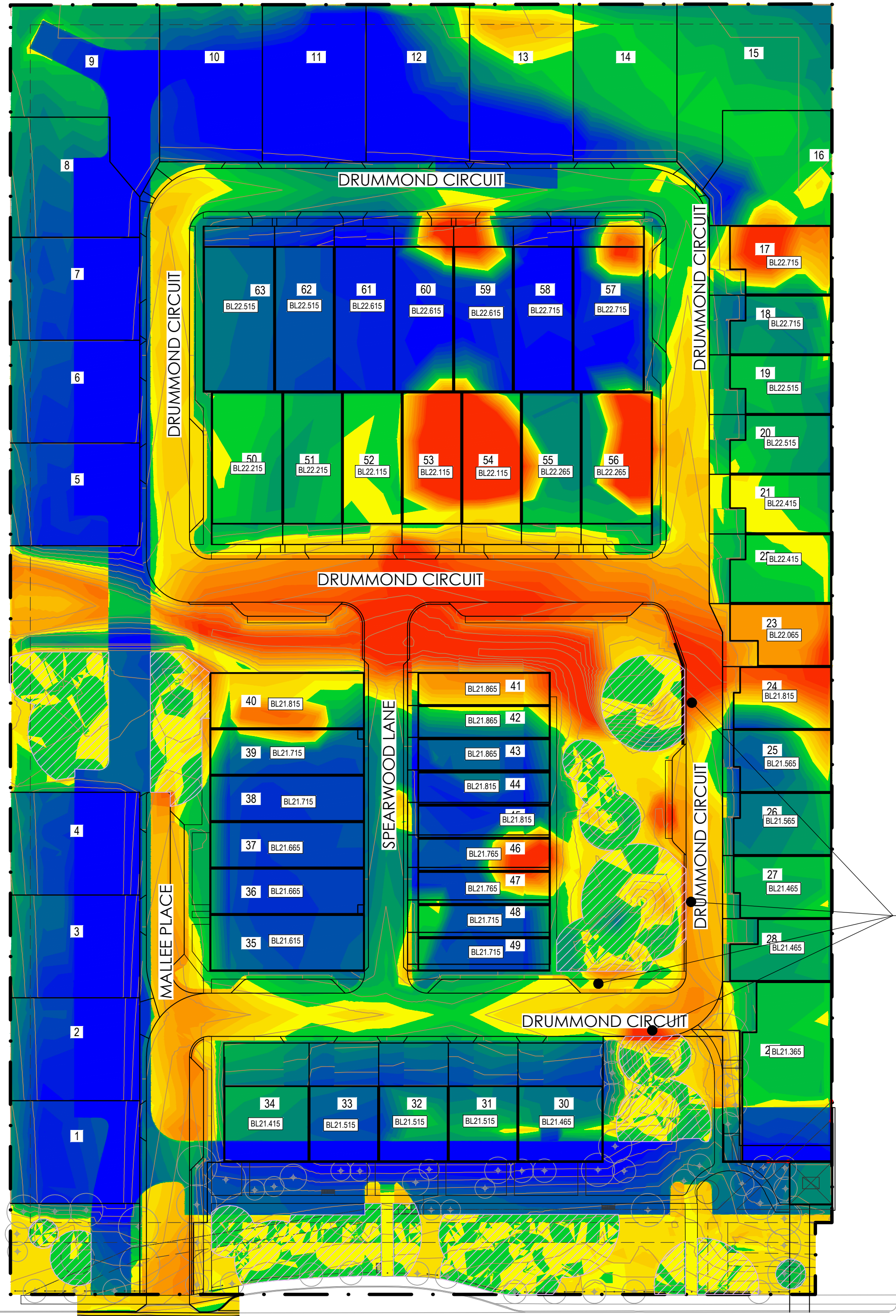
B

A

NORTHGATE DRIVE

COOMOORA ROAD

SERPENTINE ROAD



BULK EARTHWORKS VOLUME CALCULATION ASSUMPTIONS:

- THE BULK EARTHWORKS QUANTITIES SHOWN ARE TAKEN FROM AN ASSUMED EXISTING STRIPPED SITE SURFACE AND A BENCHED EARTHWORKS SURFACE CALCULATED FROM DESIGN FINISHED SURFACE LEVEL.
- EXISTING SURFACE SITE STRIPPING DEPTHS ARE CALCULATED FROM THE FEATURE SURVEY AND AS PER THE FOLLOWING ASSUMPTIONS:
 - EXISTING PAVEMENT DEMOLITION = 400mm DEPTH BELOW EXISTING
 - GENERAL STRIPPING = 100mm DEPTH BELOW EXISTING
 - TPZ STRIPPING OUTSIDE OF PAVEMENT = NO STRIPPING (TO BE KEPT AT EXISTING)
- BULK EXCAVATION (BENCHING/BOXING) LEVELS ARE ASSUMED AS FOLLOWS:
 - BENCHING WITHIN LOT = 435mm BELOW FFL (TO EXTENT SHOWN)
 - PAVEMENT BENCHING = 360mm BELOW FINISHED SURFACE LEVEL
 - ALL LANDSCAPE AND FOOTPATH AREAS = 175mm BELOW FINISHED SURFACE LEVEL
 - AREAS WITHIN TPZ OUTSIDE OF PROPOSED OR EXISTING PAVEMENT = NO BENCHING
 - OUTER LOTS = NO BENCHING
- IT IS ASSUMED THAT NO SITE STRIPPING MATERIAL WILL BE REUSED ON SITE.
- SERVICE & STORMWATER TRENCHING HAS NOT BEEN CALCULATED OR ALLOWED FOR IN THE EARTHWORKS QUANTITIES SHOWN.
- THE EARTHWORKS DO NOT INCLUDE AN ALLOWANCE FOR A BULKING FACTOR.
- NO BATTERING HAS BEEN INCLUDED BETWEEN ADJOINING BENCHED DEPTHS AT THIS STAGE.
- EXCAVATION & CONSTRUCTION OF RETAINING WALL AND TRENCHING FOR CIVIL WORKS TO BE COMPLETED UNDER ARBORIST SUPERVISION. EXCAVATION FOR RETAINING WALL AND BACK OF KERB TO BE DONE WITH HYDRO NDD TO EXPOSE AND DOCUMENT TREE ROOTS WITHIN THE CUT FACE SO ARBORIST CAN DETERMINE POTENTIAL IMPACT TO TREE RETENTION. NDD SLOT TRENCH TO 600MM DEPTH IN PREPARATION FOR CIVIL TRENCH WORKS FOR STORM WATER ALIGNMENT EAST OF RETAINING WALL. ARBORIST WILL SEVER EXPOSED TREE ROOTS TO FACILITATE CONSTRUCTION OF RETAINING WALL. UPON COMPLETION OF NDD AND ROOT PRUNING, TPZ EXCLUSION FENCING MUST BE INSTALLED BEHIND THE RETAINING WALL ALIGNMENT & MAINTAINED FOR DURATION OF ALL WORKS INCLUDING LANDSCAPING. ARBORIST MUST BE NOTIFIED IF AND WHEN TPZ FENCING NEEDS TO BE MOVED TO COMPLETE SPECIFIC CONSTRUCTION STAGES ONLY.

CUT/FILL DEPTH RANGE

LOWER VALUE UPPER VALUE COLOUR

LESS THAN -0.55m			
-0.55m	TO	-0.50m	
-0.50m	TO	-0.45m	
-0.45m	TO	-0.40m	
-0.40m	TO	-0.35m	
-0.35m	TO	-0.30m	
-0.30m	TO	-0.25m	
-0.25m	TO	-0.20m	
-0.20m	TO	-0.15m	
-0.15m	TO	-0.10m	
-0.10m	TO	-0.05m	
-0.05m	TO	0.0m	
0.0m	TO	0.05m	
0.05m	TO	0.10m	
0.10m	TO	0.15m	
0.15m	TO	0.20m	
0.20m	TO	0.25m	
0.25m	TO	0.30m	
0.30m	TO	0.35m	
0.35m	TO	0.40m	
0.40m	TO	0.45m	
0.45m	TO	0.50m	
0.50m	TO	0.55m	
GREATER THAN 0.55m			



Stantec Australia Pty. Ltd.
Level 22
570 Bourke Street
Melbourne, VIC 3000
Tel: +61 3 8554 7000

Copyright Reserved

The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorised by Stantec is forbidden. The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

Colour Disclaimer

This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result in loss of information. Black and white printing may be used if specific black and white documents have been obtained from Stantec.

LEGEND

- TITLE BOUNDARY
- NO BENCH AREA WITHIN TPZ (SEE NOTE 3)
- BENCHING CONTOUR
- LOT BENCHING LEVEL

BULK EARTHWORKS VOLUMES

CUT / FILL	VOLUME
SITE STRIP CUT	3,820m ³
TOTAL CUT	1,765m ³
TOTAL FILL	5,280m ³
BALANCE	3,515m ³ FILL (ADDITIONAL MATERIAL REQUIRED)

B	TENDER ISSUE	DM	DMCG	2021.12.17
A	PRELIMINARY ISSUE	BOL	DMCG	2021.12.08
Issued/Revision		By	Appd	YYYY.MM.DD
File Name: 38195-CI-100-P02.DWG		DM	EP	DMcG
		Dwn.	Dsgn.	Chkd.
				2022.04.04
				YYYY.MM.DD

Issue Status

TENDER ISSUE

NOT FOR CONSTRUCTION

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

Client/Project Logo



Client/Project
DEVELOPMENT VICTORIA

SPRINGVALE SOUTH

15 -29 COOMOORA ROAD
SPRINGVALE SOUTH VIC 3172

Title
BULK EARTHWORKS PLAN -
CUT AND FILL

Project No. 38195	Scale 1:500
Revision B	Drawing No. CI-100-P02