

**EARTHWORKS**

- TOPSOIL STRIPPING**  
TOPSOIL SHALL BE STRIPPED ACROSS THE ENTIRE LIMIT OF THE EARTHWORKS CUT AND FILL AREAS AND SHALL BE STOCKPILED IN A LOCATION APPROVED BY THE SUPERINTENDENT. THE EXISTING STRATA IS TO BE TREATED IN ACCORDANCE WITH THE SPECIFICATION PRIOR TO PLACING ANY FILL.
- EARTHWORKS LEVELS**  
EARTHWORKS LEVELS SHOWN ON DRAWINGS ARE TO FINISHED SURFACE LEVELS AND INCLUDE 100mm OF TOPSOIL.
- COMPACTION STANDARD**  
SITE FILLING AND TRENCH BACKFILL SHALL BE COMPACTED TO THE STANDARDS OUTLINED IN THE LOCAL AUTHORITY'S SPECIFICATIONS.
- PAVEMENT DEPTHS**  
THE DESIGN PAVEMENT DEPTHS ALLOWED IN EARTHWORKS CALCULATIONS ARE BASED ON THE DEPTHS SHOWN IN THE SCHEDULE OF PAVEMENT DEPTHS. THE PAVEMENT DEPTHS GIVEN ARE DESIGN DEPTHS ONLY AND MAY BE VARIED AFTER SUB GRADE TESTS ARE TAKEN AND AUTHORITY APPROVAL.
- TESTING AND CERTIFICATION**  
ALL COMPACTION TESTING SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. TESTING AUTHORITY. ALL SITE FILLING SHALL BE TESTED AT LEVEL 1 REQUIREMENTS. THE CONTRACTOR IS TO PROVIDE ALL REQUIRED EARTHWORKS CERTIFICATIONS IN ACCORDANCE WITH THE APPROVAL CONDITIONS.
- TOPSOIL REPLACEMENT**  
ALL FOOTPATHS, BATTERS AND ALLOTMENT CUT & FILL AREAS SHALL BE TOPSOILED WITH TOPSOIL FROM ONSITE STOCKPILES.
- GRASSING**  
ALL CUT/FILL AREAS, DISTURBED AREAS AND TRENCHED AREAS SHALL BE GRASSED TO THE SATISFACTION OF THE SUPERINTENDENT AND AUTHORITY.
- ROCK**  
THE CONTRACTOR IS TO INCLUDE ROCK EXCAVATION AS PART OF THEIR EARTHWORKS RATE.
- EARTHWORKS ZONE**  
THE FOLLOWING ACTIVITIES ARE PROHIBITED OUTSIDE THE EARTHWORKS ZONE - STORAGE AND MIXING OF MATERIALS, VEHICLE PARKING, LIQUID DISPOSAL, MACHINERY REPAIRS/REFUELING, PLACEMENT OF SITE OFFICES OR SHEDS, COMBUSTION OF ANY MATERIAL, STOCKPILING OF SOIL, RUBBLE OR DEBRIS, ANY FILLING OR EXCAVATION INCLUDING TRENCHES, TOPSOIL, SKIMMING AND/OR SURFACE EXCAVATION UNLESS OTHERWISE APPROVED BY THE RELEVANT AUTHORITY.
- CONSTRUCTION - STOCKPILING**  
TEMPORARY SILT FENCE TO BE ERECTED 5m FROM TOE OF BATTER ON LOW SIDE OF STOCKPILING. STOCKPILE SITE TO BE CLEAR OF ADJACENT PROPERTY BOUNDARIES SO AS NOT TO CAUSE A NUISANCE TO ADJOINING PROPERTIES. NO STOCKPILES ARE TO BE LOCATED WITHIN THE TREE PROTECTION ZONE. REFER VEGETATION MANAGEMENT PLAN FOR MORE DETAILS. THE CONTRACTOR SHALL NOT CREATE STOCKPILES OF SURPLUS MATERIALS UNLESS DIRECTED BY THE SUPERINTENDENT. ALL MATERIALS ARISING FROM THE WORKS SHALL BE COMPACTED TO FUTURE FILL AREAS AS NOMINATED.
- TOPSOIL SCREENING**  
TOPSOIL SHALL BE SCREENED BY THE CONTRACTOR WHEN DIRECTED BY THE SUPERINTENDENT. ALL UNSUITABLE MATERIAL SCREENED FROM THE TOPSOIL WILL BE TAKEN TO AN OFFSITE TIP BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

**NOTE:**  
CONTRACTOR TO MAKE ALL NECESSARY ALLOWANCES FOR EXISTING SERVICES DURING ALL WORKS.

**LEGEND**

- EXISTING PROPERTY LINE
- EXISTING KERB (INVERT)
- - - FUTURE KERB (INVERT)
- - - FUTURE PROPERTY LINE
- SITE BOUNDARY
- LIMIT OF WORKS BOUNDARY
- PROPOSED PROPERTY LINE
- PROPOSED KERB (INVERT)
- 0.5 BULK EARTHWORKS FILL CONTOUR
- 0.0 BULK EARTHWORKS INTERFACE CONTOUR
- -0.5 BULK EARTHWORKS CUT CONTOUR

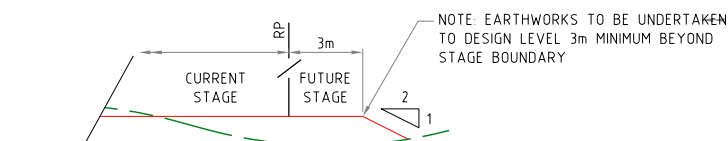
**STRUCTURAL EARTHWORKS VOLUMES**

CUT	76,743
FILL	18,577
BORROW/SPOIL	58,166



**NOTES**

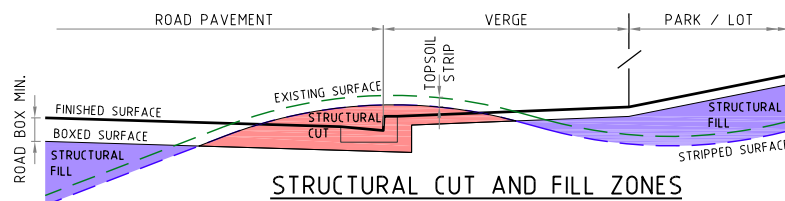
- EARTHWORKS VOLUMES ARE APPROXIMATE ONLY, CONTRACTOR TO VERIFY.
- VOLUMES INDICATE THE STRUCTURAL QUANTITY OF EARTHWORKS, IE BETWEEN THE EXISTING SURFACE STRIP SURFACE AND THE UNDERSIDE OF THE MINIMUM BOX AND UNDERSIDE OF THE TOPSOIL, AS PRESCRIBED IN THE CONTRACT DOCUMENTATION.
- NO ALLOWANCE FOR COMPACTION OR BULKING FACTOR IS INCLUDED.
- THE CONTRACTOR IS TO VERIFY EXISTING SURFACE AND TOPSOIL DISTRIBUTION PRIOR TO SIGNING THE CONTRACT.
- THE CONTRACTOR IS REQUIRED TO EXPORT / IMPORT AS NEEDED TO ACHIEVE THE FINAL SURFACE LEVELS.



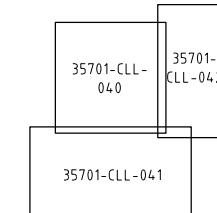
**TEMPORARY BATTER BEYOND STAGE WORKS**



**INSET 1.0**



**SHEET LAYOUT**



PROJECT NAME

**DALMA**  
**CHANGE OF LEVEL**  
**OF LAND**

RP DESCRIPTION Lot 4 RP883725 , LOT 4  
DALMA STREET ORMEAU HILLS  
LOCALITY OF ORMEAU  
LOCAL AUTHORITY-GOLD COAST CITY COUNCIL

CLIENT

**ORMEAU DEVELOPMENTS**  
**PTY LTD**



0 5 10 15 20 25m  
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
COUNCIL	30-08-18
CONSTRUCTION	

PRE DATE	AMENDMENT
C 13-03-19	LOTS AND CUT & FILL AMENDED
B 17-12-18	LOTS AMENDED
A 30-08-18	COUNCIL ISSUE

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ASSOCIATED CONSULTANTS

DRAWING TITLE

**EARTHWORKS**  
**CUT TO FILL**  
**PLAN**  
**SHEET 1 OF 3**

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**urbansolutions**  
Urban & Regional Planning  
Civil Engineering  
Project Coordination

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DESIGNED RB	DRAWN JB
APPROVED [Signature]	PREP 4706 DATE 09-08-18

DRAWING NUMBER	AMEND.
<b>35701-CLL-040</b>	<b>C</b>