



File Name: B:\urbex - consulting\URBEX\B00039\B00039.dwg - Stage 1: civil.dwg - 1:2 current\B00039.dwg  
User: CHRIS ROWE  
Plot Date: 15/01/2013 9:15:25 AM

**NOTE:-**  
FOR EARTHWORKS NOTES SEE CE003

**WARNING**  
**BEWARE OF SERVICES**  
THE LOCATIONS OF ALL EXISTING SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

**PERMISSION TO USE FOR CONSTRUCTION PURPOSES**  
**ROADWORKS AND STORMWATER DRAINAGE**  
SIGNED TED VIVIAN DATE 25/05/2012  
DIRECTOR OF TECHNICAL SERVICES  
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**AS CONSTRUCTED**  
**INFORMATION CERTIFIED BY**  
**BMD URBAN PTY LTD**  
SIGNED *[Signature]* DATE 19/01/13

No.	Amendments	Drawn	Design	Appd	Registered Engineer	Reg No.	Date
3	AS CONSTRUCTED	CR	PDW	PI			14/01/13
2	FOR CONSTRUCTION WITH ROAD & AMENDMENTS	CR	PDW	PI			17/05/12
1	ISSUED FOR CONSTRUCTION	LM	PDW	PI	MKB		02/04/12

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Client **LAND DEVELOPMENT CORPORATION/URBEX**  
Project **ZUCCOLI - PHASE 1.1**  
Title **EARTHWORKS MANAGEMENT PLAN**  
**SHEET 1 OF 3**

Datum **AHD**  
PSM **RL**  
(MGA) COORD  
**AS CONSTRUCTED**  
Project No. **B00039-CE001** Drawing No. **3**

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No.	Amendments	Drawn	Design	Appd	Registered Engineer	Reg No.	Date
3	AS CONSTRUCTED	CR	PDW	PI			14/01/13
2	FOR CONSTRUCTION WITH ROAD 4 AMENDMENTS	CR	PDW	PI			17/05/12
1	ISSUED FOR CONSTRUCTION	LM	PDW	PI	MKB		02/04/12

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**LAND DEVELOPMENT CORPORATION**

**urbex**

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Civil Engineers • Structural Engineers • Project Managers • Water Servicing Co-ordinators  
Brisbane • Cairns • Canberra • Gladstone • Gold Coast • Mackay • Sydney • Townsville

Client: **LAND DEVELOPMENT CORPORATION/URBEX**

Project: **ZUCCOLI - PHASE 1.1**

Title: **EARTHWORKS MANAGEMENT PLAN  
SHEET 2 OF 3**

Datum: **AHD**  
PSM  
RL  
(MGA) COORD

**AS CONSTRUCTED**

Project No. **B00039-CE002** Drawing No. **3**

NOTES

- WHERE FILLING WILL BE GREATER THAN 300MM IN DEPTH, THE CONTRACTOR IS TO LIAISE AND COOPERATE WITH THE NOMINATED NATA REGISTERED SOIL CONSULTANT TO ENSURE LEVEL 1 CERTIFICATION OF ALL EARTHWORKS TO AS 3798-1996. CERTIFICATION SHALL BE PROVIDED PRIOR TO REQUESTING "ON MAINTENANCE" FOR THE WORKS. REFER JOB SPECIFICATION
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ROADWORKS DRAWINGS AND THE SPECIFICATION. DESIGN LEVELS SHOWN SHALL BE ON THE FINISHED SURFACE INCLUDING TOPSOIL.
- CLEARED VEGETATION SHALL BE MULCHED AND STOCKPILED FOR RESPREADING AS DIRECTED BY SUPERINTENDENT.
- THE CONTRACTOR SHALL ALLOW, TO REMOVE TOPSOIL TO A DEPTH OF 100mm MINIMUM, FROM WORK AREAS AND STOCKPILE ON SITE. THIS IS AN AVERAGE DEPTH OVER THE WORKS AREA BASED ON GEOTECHNICAL INFORMATION PROVIDED.
- FOLLOWING THE COMPLETION OF EARTHWORKS THE CONTRACTOR SHALL RESPREAD TOPSOIL AS DIRECTED BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL LIMIT THE MOVEMENT OF EQUIPMENT AND MANPOWER TO THE MINIMUM AREA NECESSARY FOR EARTHWORKS AND PROTECT ALL VEGETATION OUTSIDE THE WORKS BOUNDARY.
- FOR DESIGN DETAILS OF EARTHWORKS WITHIN THE ROAD RESERVES REFER TO THE ROADWORKS LONGITUDINAL AND CROSS SECTION DRAWINGS.
- CONSIDERATION SHALL BE GIVEN TO ADJACENT LANDOWNERS DURING THE CONSTRUCTION WORKS, REFER TO SPECIFICATION FOR CONTRACTOR NOTIFICATIONS.
- THE CONTRACTOR SHALL ALLOW FOR ALL DUST CONTROL MEASURES IN ACCORDANCE WITH THE DCC REQUIREMENTS.
- THE CONTRACTOR SHALL ALLOW FOR HYDROMULCHING FOR ALL DISTURBED AREAS AS DIRECTED ON SITE IN ACCORDANCE WITH THE SPECIFICATION.
- ALL NEW WORKS TO MATCH NEATLY TO EXISTING

COMPACTION

PAVEMENT LAYER	REQUIRED COMPACTION M.M.D.D
CARRIAGEWAYS	
-BASE COURSE	100%
-SUB BASE	98%
-SUB GRADE (TOP 150MM)	95%
-EARTHWORKS	90%
ACCESS STRIPS	
-SUB GRADE	95%
FOTTPATHS	
-SUBGRADE	90%
WALKWAYS AND BICYCLEWAYS	
-PAVEMENT	95%
-SUB GRADE	90%

AT LEAST ONE COMPACTION TEST SHALL BE CARRIED OUT PER 200M<sup>3</sup> OR ONE TEST PER LAYER PER 1000M<sup>2</sup> WHICH EVER REQUIRES THE MORE TESTS

LEGEND

- 26.0 --- ULTIMATE SURFACE CONTOURS
- EARTHWORKS PAD
- LAYBACK KERB / UPRIGHT KERB AND GUTTER (ROAD 1 ONLY)
- SWD --- STORMWATER DRAINAGE
- E --- ELECTRICAL RETICULATION
- S --- SEWERAGE RETICULATION
- W --- WATER RETICULATION
- C --- C --- WATER CONDUIT CROSSINGS
- CUT - PHASE 1.1
- FILL - PHASE 1.1
- CUT - FUTURE
- FILL - FUTURE
- + = AMOUNT OF FILL  
- = AMOUNT OF CUT  
FSL = FINISHED SURFACE LEVEL
- EXISTING TREE TO REMAIN (PROTECT AS REQUIRED)
- EXISTING TREE TO BE REMOVED
- EXTENT OF CLEARING

WARNING

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SCALE 1:500 (A1) 1:1000 (A3)  
DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.

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Client LAND DEVELOPMENT CORPORATION/URBEX  
Project ZUCCOLI - PHASE 1.1  
Title EARTHWORKS MANAGEMENT PLAN  
SHEET 3 OF 3

Datum AHD  
PSM .  
RL .  
(MGA) COORD  
AS CONSTRUCTED  
Project No. B00039-CE003  
Drawing No.  
Rev 3