

- NOTES:-**
- All 150Ø sewer mains & fittings are uPVC class SN10.
 - All 100Ø sewer mains & fittings are uPVC class SN10.

SEWER MANHOLES

Manhole No.	Easting	Northing
1/N1a4	464861.190*	7874869.510*

- All dimensions are to centre of chamber.

AS CONSTRUCTED
Rowlands Surveys Pty Ltd (ACN 010 025 260) hereby certify that the works detailed on this drawing, denoted *, have been constructed to the dimensions and levels shown.

Laurence John Nolan
Director/Registered Surveyor
Date: 25/6/14

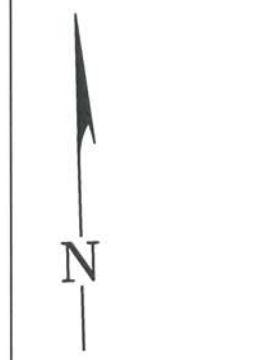
All work has been carried out in accordance with LOCAL AUTHORITIES standard details.



Civil & Structural Engineers
50 Punari Street, Currajong 4812
Phone: [07] 4725 5550 Fax: [07] 4725 5850
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Milton Messer & Associates Pty. Ltd.
ACN 100 817 356

Issue	Description	Date
B	AMENDED TO AS CONSTRUCTED.	25/06/2014
A	ISSUED FOR CONSTRUCTION.	14/03/2013
P1	PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	12/06/2012

Drawn KJM	In Association With BUSHLAND GROVE PTY LTD	SEWERAGE RETICULATION PLAN
Date 12/06/2012	BUSHLAND GROVE ESTATE STAGE 7, 20 ALLOTMENT RESIDENTIAL SUBDIVISION, SUMMERGOLD STREET, MOUNT LOW	
Checked [Signature]		Drawing Number TUR0807/11
Approved [Signature]		Issue B



REAL PROPERTY DESCRIPTION
Lot 900 on SP241177
Parish of BOHLE
County of ELPHINSTONE
Summergold Street - Mount Low

LEVEL DATUM A.H.D.
Horizontal Datum GDA' 94 Zone 55
Refer P.M. 168932 RL. 7.875
Spike in concrete.
Cnr ATWOOD ST. & ELLENDALE ST.

Scale
0 5 10 15 20m

THE ORIGINAL OF THIS DOCUMENT IS COMPLETED TO THE SCALE NOTED. AS REPRODUCTION CAN DISTORT SIZE & SHAPE USE ONLY THE DIMENSIONS PROVIDED ON ARCHITECTURAL &/OR ENGINEERING DRAWINGS. VERIFY DIMENSIONS ON SITE BEFORE CONSTRUCTION.



- LEGEND**
GENERAL:-
- RP boundary.
 - Top of batter.
 - Toe of batter.
 - Change of grade.
 - Invert of drain.
 - Stormwater drain line.
 - Subsoil drainage.
 - uPVC water main.
 - Poly water main.
 - Stormwater drain line.
 - Subsoil drainage.
 - Sewer main.
 - Sewer manhole.
 - Water main.
 - Poly water main.

- WATER RETICULATION:-**
- FH Fire Hydrant.
 - SV Stop Valve.

- NOTES:**
AS CONSTRUCTED WATER RETICULATION:
- All water supply fixtures (FH, SV etc.) have been installed in accordance with Townsville City Council standards. ie. adjacent to boundary intersection, U.N.O.
 - All uPVC water mains & fittings are Class 16, C.I.O.D. compatible unless shown otherwise.

ACCEPTED AS CONSTRUCTED

LAYOUT PLAN



AS CONSTRUCTED
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WATER RETICULATION PLAN		
Drawing Number TUR0807/12		Issue B