

**ACCEPTED
AS CONSTRUCTED**

LAYOUT PLAN

LEGEND

GENERAL--

- - - - - RP boundary.
- - - - - Top of batter.
- - - - - Toe of batter.
- - - - - Stormwater drain line.
- - - - - Sewer main.
- - - - - uPVC water main.
- - - - - Poly water main.
- - - - - Stormwater drain line.
- - - - - Sewer main.
- - - - - Sewer manhole.
- - - - - Water main.
- - - - - Poly water main.

SEWERAGE RETICULATION--

- 2
1A Manhole Number
- 1A Sewer line description
- 1A Sewer invert levels at manhole.
- 1A Sewer line description.
- 1A Diameter of pipe, type & class.
- 1A Distance between manholes, centerline to centerline and grade.
- 1A Top of manhole level.

SERVICES--

- Direct connection (DC)
- Jump up connection (JU)
- Riser connection (RC)
- 100Ø manhole connection - Benching (BC) - Vertical Drop (VD)
- Distance from downstream manhole to Y-junction - dimension 'L'.
- Invert level at limit of house connection branch.
- Allotment connection dimension 'X'.
- Allotment connection dimension 'Y'.
- Type of junction (EX - Existing).
- Level at top of riser cap.

SEWER MANHOLES

Manhole No.	Easting	Northing
14/ML01C	464354.120*	7874769.060*
13/ML01C	464376.610*	7874763.030*
12/ML01C	464406.700*	7874760.500*
11/ML01C	464482.140*	7874753.650*
10/ML01C	464556.660*	7874746.900*
9/ML01C	464636.620*	7874739.910*
8/ML01C	464664.210*	7874739.140*
2/ML01C9	464348.620*	7874676.070*
1/ML01C9	464346.120*	7874691.350*

- All dimensions are to centre of chamber.

NOTES:

1. All sewer manholes are 1050Ø as per Council details U.N.O.
2. All sewer manhole tops are type 2 class 'B' covers U.N.O.
3. All 225Ø & 150Ø sewer mains & fittings are uPVC class SN8.
4. All 100Ø sewer mains & fittings are uPVC class SN10.
5. Service connection invert levels marked with a '#' indicates the invert level on the sewer main +200 with allotment drainage capable of connecting between the top of riser & sewer main invert levels.

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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.

Signature: Laurence John Nolan
Director/Registered Surveyor
Date: 6/5/15

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

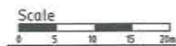


Civil & Structural Engineers
50 Punari Street, Currajong 4812
Phone: [07] 4725 5550 Fax: [07] 4725 5850
Email: mail@noeng.com.au
Milton Messer & Associates Pty. Ltd.
ACN 100 817 358

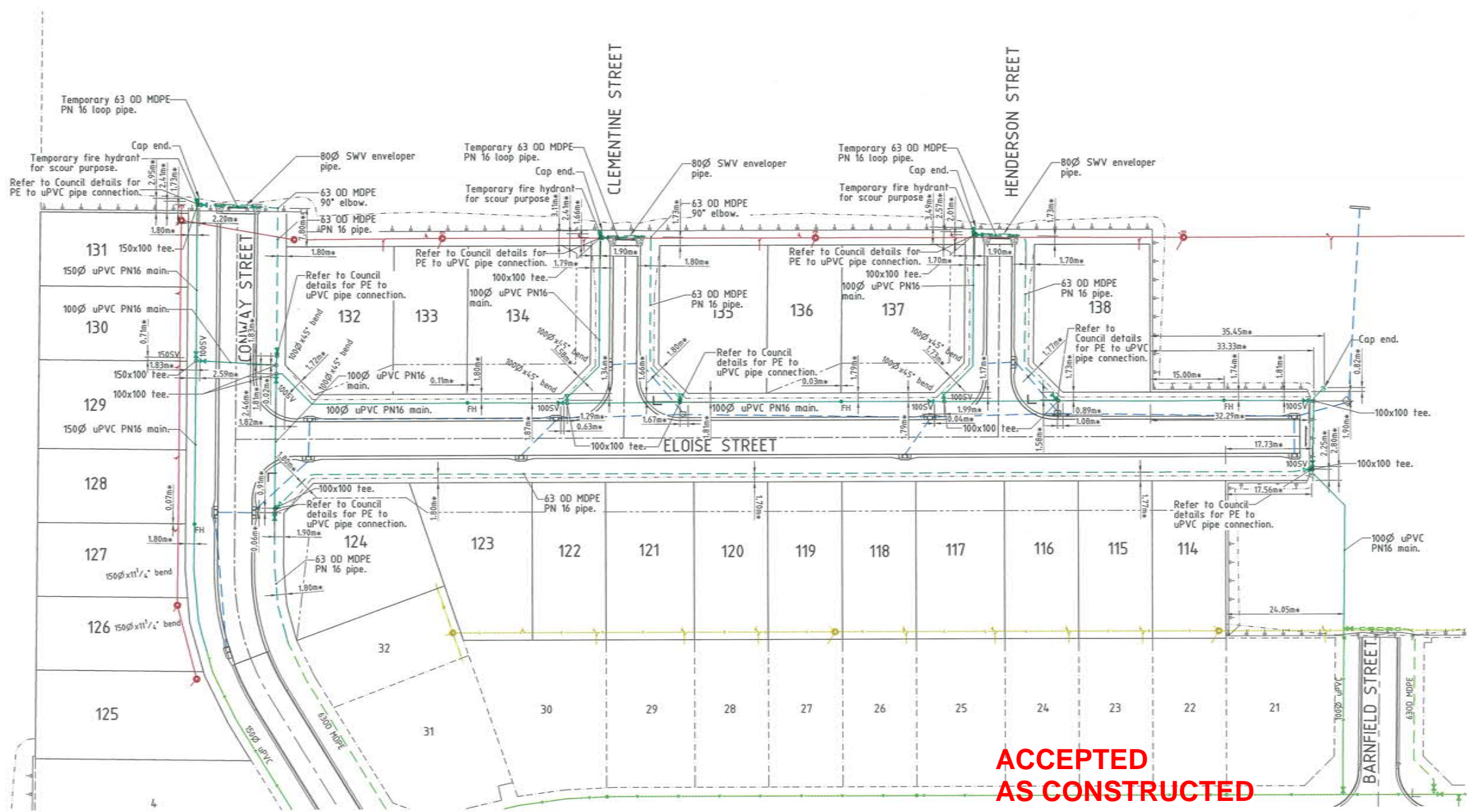
B AMENDED TO AS CONSTRUCTED.	06/05/2015	
A AMENDED FOR CONSTRUCTION.	01/10/2014	
P1 PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	18/12/2013	
Issue	Description	Date
Drawn LJ	In Association With BUSHLAND GROVE PTY LTD	
Date 18/12/2013	BUSHLAND GROVE ESTATE STAGE 12, 25 ALLOTMENT RESIDENTIAL SUBDIVISION, MOUNT LOW	
Checked HJB	SEWERAGE RETICULATION PLAN	
Approved [Signature]	Drawing Number TUR0812/13	Issue B
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REAL PROPERTY DESCRIPTION
Lot 900 on SP262005
Parish of BOHLE
County of ELPHINSTONE
Conway Street - Mount Low

LEVEL DATUM A.H.D. (Der)
Horizontal Datum MGA' 94 Zone 55
Refer PM 177367 RL 8.077
Bolt and washer in kerb
GUNDABULEY CRES.



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.



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NOTES:

1. Water mains are constructed on a 1.8m ±100mm alignment from property boundaries unless shown otherwise.
2. All uPVC water mains & fittings are Class 16 cast iron outside diameter compatible unless shown otherwise.
3. All water supply features (FH, SV, etc.) have been installed in accordance with Townsville City Council standards. i.e. adjacent to boundary intersection. U.N.O.

WATER RETICULATION:-

- FH Fire Hydrant.
- SV Stop Valve.



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Phone: [07] 4725 5550 Fax: [07] 4725 5850
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WATER RETICULATION PLAN		
Drawing Number TUR0812/14		Issue B