

LEGEND

12.000*	- As constructed surface levels.
12.000	- Surface levels.
1% AEP 12.00	- 1% AEP water surface levels.
→	- Flow arrow.
- - - - -	- RP boundary.
⋮	- Top of batter.
⋮	- Toe of batter.
—	- Change of grade.
—	- Sewer main.
—	- Sewer manhole.
—	- uPVC water main.
—	- Poly water main.
—	- Stormwater drain line.
—	- Sewer main.
—	- Sewer manhole.

NOTES:

- All fill material placed, compacted & tested in accordance with AS 3798 'Guidelines on Earthworks for Commercial & Residential Developments'.

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: 06/09/17

AS CONSTRUCTED
I, Andrew Ian Wallace of Northern Consulting Engineers hereby certify that the works as shown on the as constructed drawings reflect any changes that were made during the course of construction.

Andrew Ian Wallace
Andrew Ian Wallace - (RPEQ No. 6743)
Date: 10/09/17

**ACCEPTED
AS CONSTRUCTED**

**PLANNING AND
COMMUNITY
ENGAGEMENT**

RECEIVED: 11/09/2017

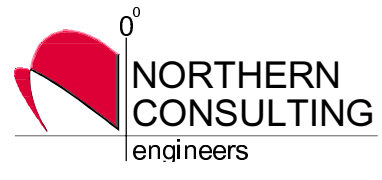
REAL PROPERTY DESCRIPTION
Lot 900 on SP289582
Parish of BOHLE
County of ELPHINSTONE
Conway Street - Mount Low

LEVEL DATUM A.H.D. (Der)
Horizontal Datum GDA' 94 Zone 55
Refer PM 193518 RL. 8.195
Bolt and washer in kerb
FREMONT STREET.

Scale
0 2.5 5 7.5 10m

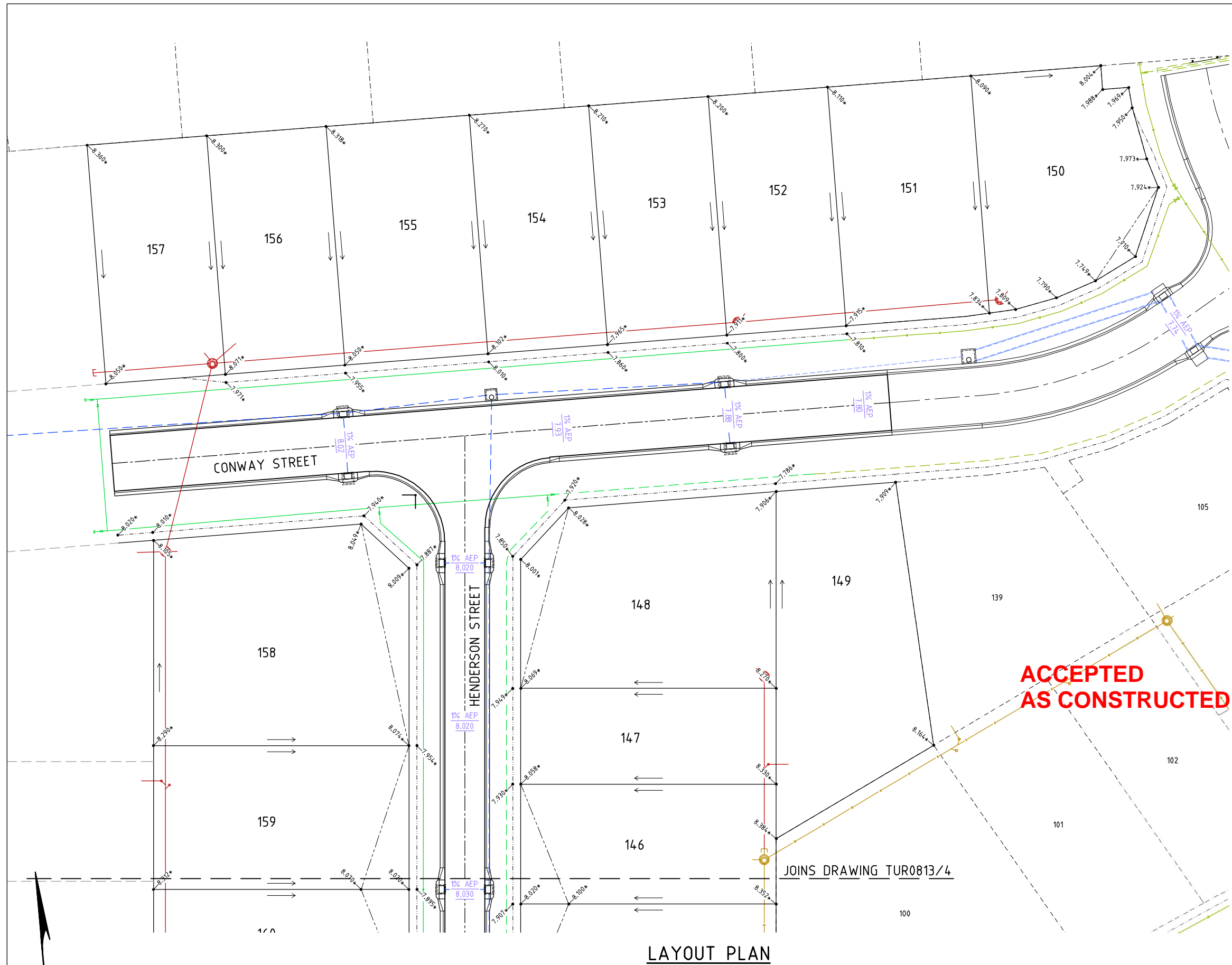
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All work is carried out in accordance with LOCAL AUTHORITIES standard details.



Civil & Structural Engineers
50 Punari Street, Currajong 4812
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Milton Messer & Associates Pty. Ltd.
ACN 110 817 399

B A P1	AMENDED TO AS CONSTRUCTED. ISSUED FOR CONSTRUCTION. PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	05/09/2017 27/03/2017 14/12/2016
Issue	Description	Date
Drawn LJ Date 14/12/2016	In Association With BUSHLAND GROVE PTY LTD	CUT/FILL LAYOUT PLAN
Checked P.A. Approved MS	BUSHLAND GROVE ESTATE STAGE 13, 26 ALLOTMENT RESIDENTIAL SUBDIVISION, MOUNT LOW	
COPYRIGHT ©	Drawing Number TUR0813/4	Issue B



LEGEND

12.000*	- As constructed surface levels.
12.000	- Surface levels.
1% AEP 12.00	- 1% AEP water surface levels.
→	- Stormwater flow arrow.
- - - - -	- RP boundary.
- - - - -	- Top of batter.
- - - - -	- Toe of batter.
- - - - -	- Change of grade.
- - - - -	- Sewer main.
○	- Sewer manhole.
- - - - -	- uPVC water main.
- - - - -	- Poly water main.
- - - - -	- Stormwater drain line.
- - - - -	- Stormwater drain line.
○	- Sewer manhole.
○	- Water main.
- - - - -	- Poly water main.

NOTES:

- All fill material placed, compacted & tested in accordance with AS 3798 'Guidelines on Earthworks for Commercial & Residential Developments'.

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: 06/09/17

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Andrew Ian Wallace
 Andrew Ian Wallace - (RPEQ No. 6743)
 Date: 10/09/17

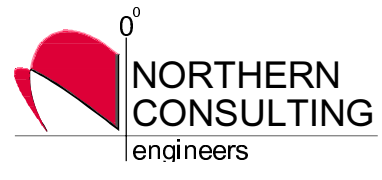
PLANNING AND COMMUNITY ENGAGEMENT
 RECEIVED: 11/09/2017

REAL PROPERTY DESCRIPTION
 Lot 900 on SP289582
 Parish of BOHLE
 County of ELPHINSTONE
 Conway Street - Mount Low

LEVEL DATUM A.H.D. (Dier)
 Horizontal Datum GDA' 94, Zone 55
 Refer PM 193518 RL. 8.195
 Bolt and washer in kerb
 FREMONT STREET.

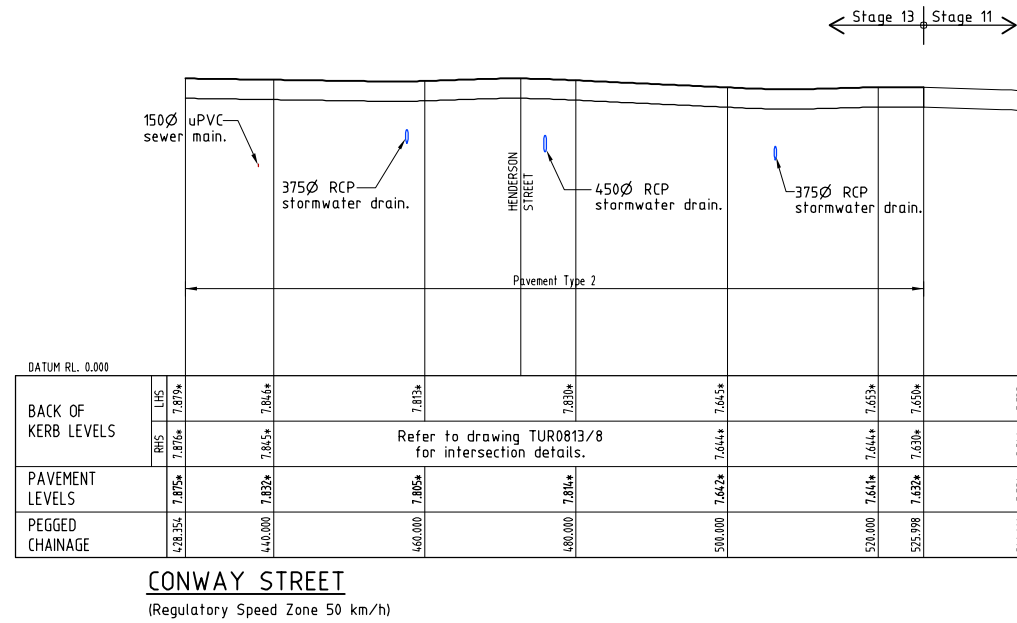
Scale 0 2.5 5 10m
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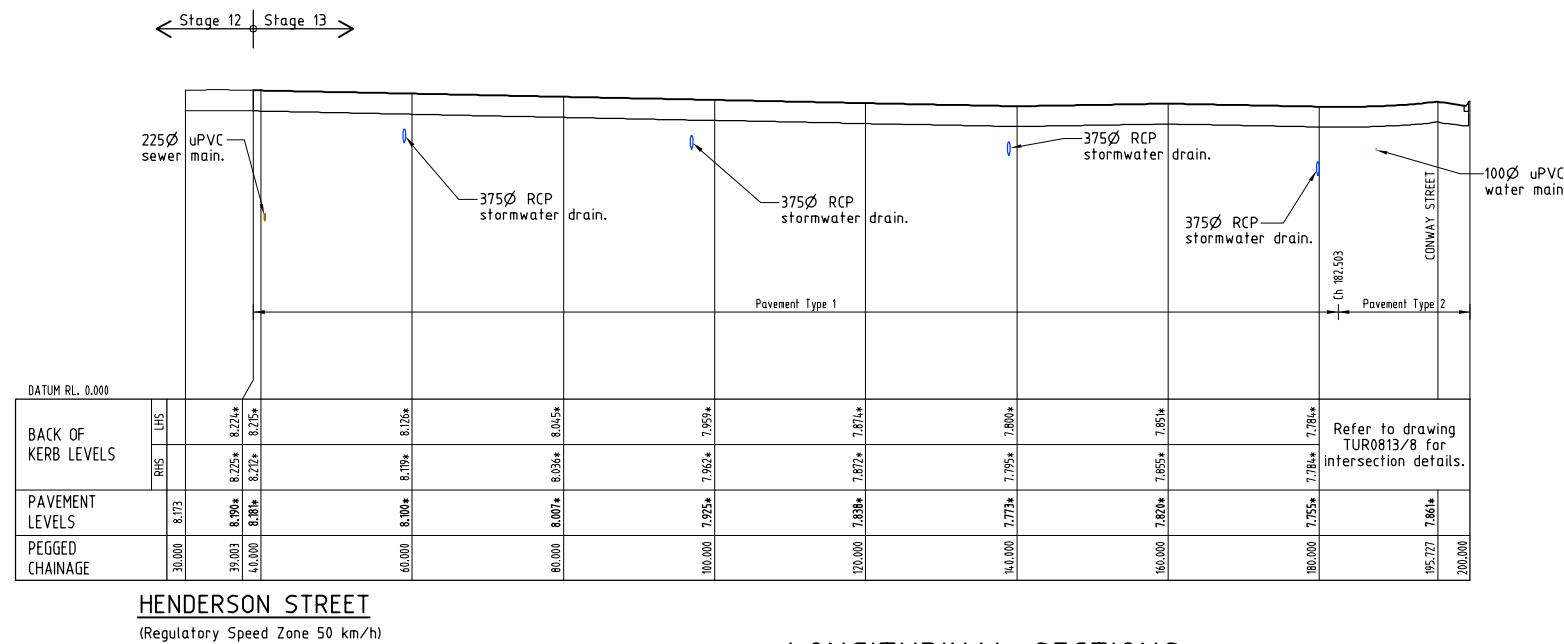
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 Milton Messer & Associates Pty. Ltd.
 ACN 110 817 359

B	AMENDED TO AS CONSTRUCTED.	05/09/2017
A	ISSUED FOR CONSTRUCTION.	27/03/2017
P1	PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	14/12/2016
Issue	Description	Date
Drawn LJ	In Association With BUSHLAND GROVE PTY LTD	
Date 14/12/2016		
Checked P.A	BUSHLAND GROVE ESTATE	
Approved MS	STAGE 13, 26 ALLOTMENT	
COPYRIGHT ©	RESIDENTIAL SUBDIVISION, MOUNT LOW	
	CUT/FILL LAYOUT PLAN	
	Drawing Number TUR0813/5	Issue B



ACCEPTED AS CONSTRUCTED

PAVEMENT TYPE	PAVEMENT DESCRIPTION
Type 1	30mm AC10M Asphalt. Prime 125mm cement modified base course, DTMR Type 2.1, 28 day UCS = 0.7-1.0 MPa 100mm cement modified sub-base course, DTMR Type 2.3, 28 day UCS = 0.7-1.0 MPa 250mm insitu lime stabilised subgrade, 3.1% quicklime, spread rate = 15kg/m ²
Type 2	30mm AC10M Asphalt. Prime 135mm cement modified base course, DTMR Type 2.1, 28 day UCS = 0.7-1.0 MPa 130mm cement modified sub-base course, DTMR Type 2.3, 28 day UCS = 0.7-1.0 MPa 250mm insitu lime stabilised subgrade, 3.1% quicklime, spread rate = 15kg/m ²



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 Nalan
Laurence John Nalan
Director/Registered Surveyor

Date: 06/09/17

AS CONSTRUCTED

I, Andrew Ian Wallace of Northern Consulting Engineers hereby certify that the works as shown on the as constructed drawings reflect any changes that were made during the course of construction.

Andrew Ian Wallace
Andrew Ian Wallace - (RPED No. 6743)

Date: 10/09/17

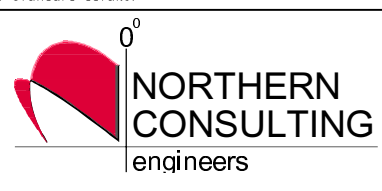
LONGITUDINAL SECTIONS

Scale 'A' - Horizontal
Scale 'B' - Vertical

REAL PROPERTY DESCRIPTION
Lot 900 on SP289582
Parish of BOHLE
County of ELPHINSTONE
Conway Street - Mount Low

LEVEL DATUM A.H.D. (Dier)
Horizontal Datum GDA' 94 Zone 55
Refer PM 193518 RL. 8.195
Bolt and washer in kerb
FREMONT STREET.

Scale 'A' 0 5 10 15 20m
Scale 'B' 0 1 2 3 4m
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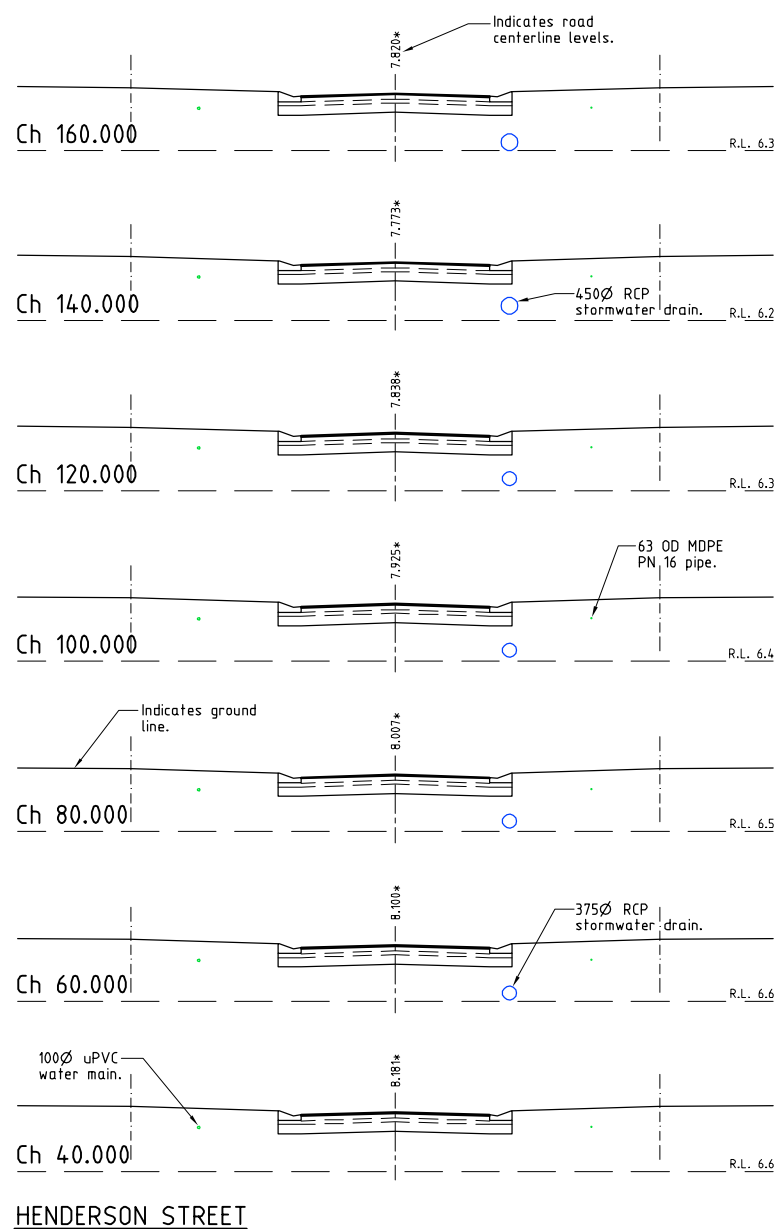


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ACN 110 817 399

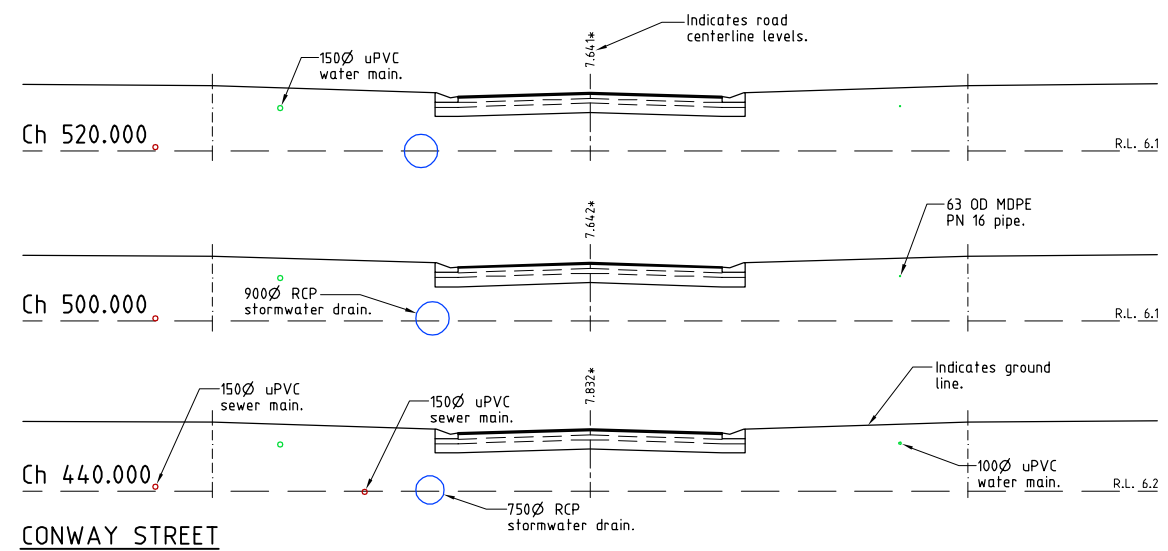
Issue	Description	Date
B	AMENDED TO AS CONSTRUCTED.	05/09/2017
A	ISSUED FOR CONSTRUCTION.	27/03/2017
P1	PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	14/12/2016

Drawn LJ	In Association With BUSHLAND GROVE PTY LTD	ROAD LONGITUDINAL SECTIONS
Date 14/12/2016	BUSHLAND GROVE ESTATE	
Checked P.A.	STAGE 13, 26 ALLOTMENT	Drawing Number TUR0813/6
Approved MS	RESIDENTIAL SUBDIVISION,	
COPYRIGHT ©	MOUNT LOW	Issue B

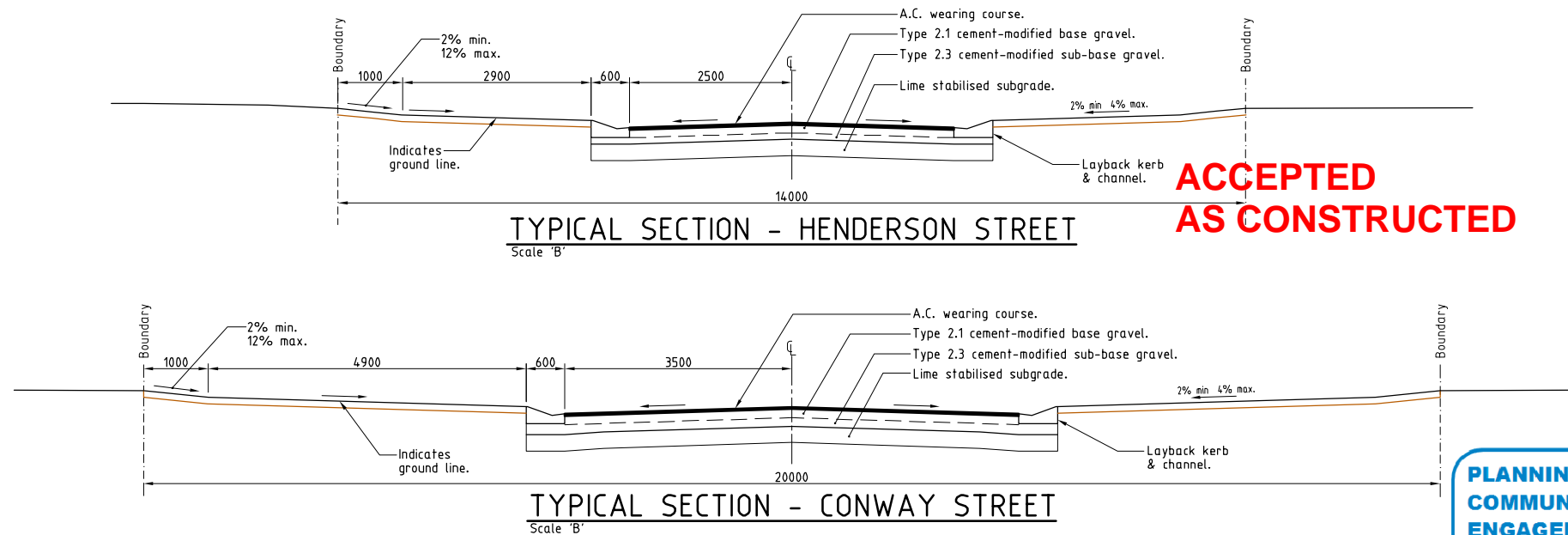




CROSS SECTIONS
Scale 'A'



CROSS SECTIONS
Scale 'A'



**ACCEPTED
AS CONSTRUCTED**

**PLANNING AND
COMMUNITY
ENGAGEMENT**
RECEIVED: 11/09/2017

REAL PROPERTY DESCRIPTION
Lot 900 on SP289582
Parish of BOHLE
County of ELPHINSTONE
Conway Street - Mount Low

LEVEL DATUM A.H.D. (Der)
Horizontal Datum GDA' 94 Zone 55
Refer PM 193518 RL. 8.195
Bolt and washer in kerb
FREMONT STREET.

Scale 'A' 0 1 2 3 4m
Scale 'B' 0 0.5 1 1.5 2m
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constructed to the dimensions and levels shown.

Laurence John Nolan
Laurence John Nolan
Director/Registered Surveyor Date: 06/09/17

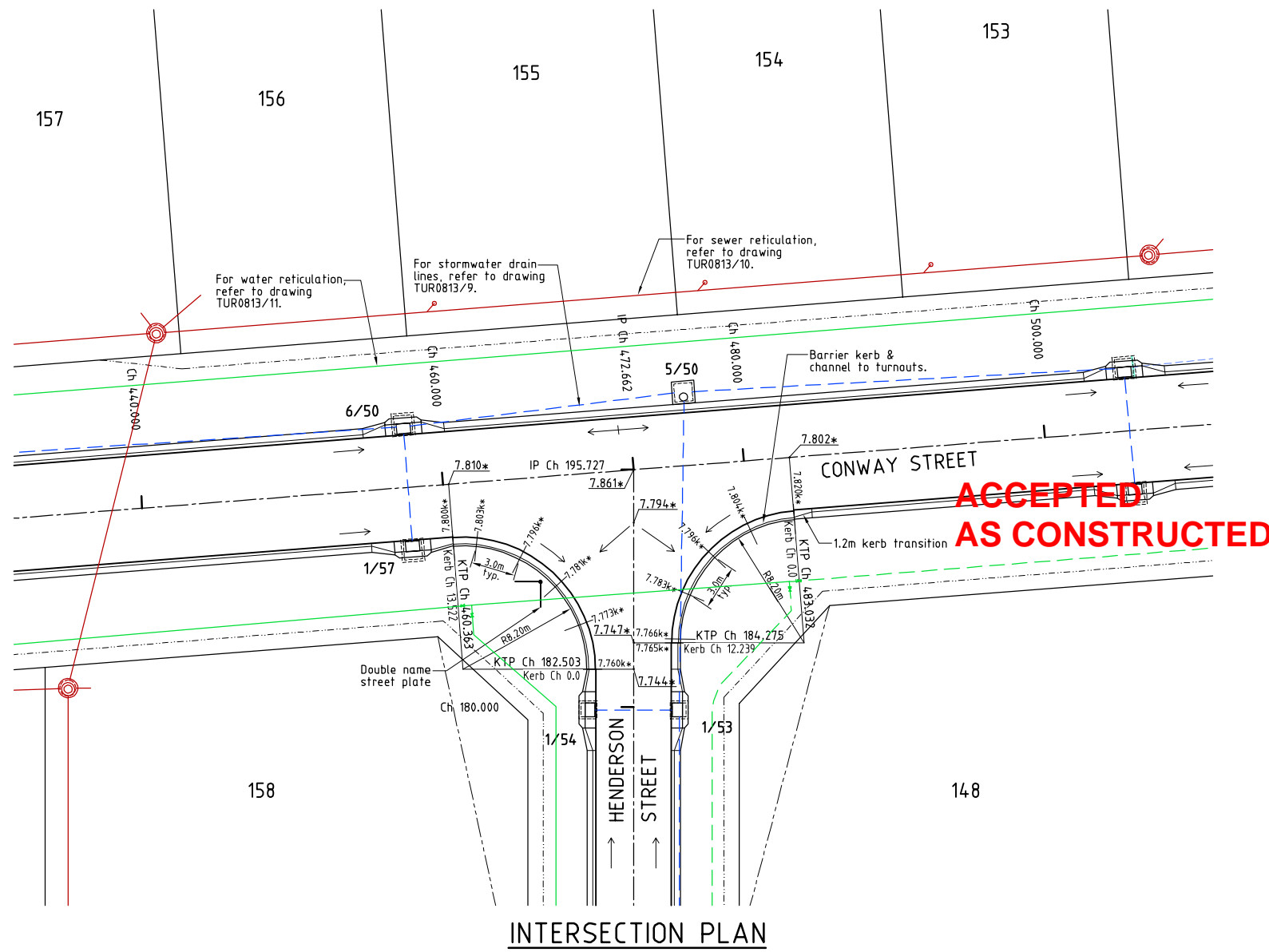
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Andrew Ian Wallace
Andrew Ian Wallace - (RPEQ No. 6743) Date: 10/09/17

Issue	Description	Date
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A	ISSUED FOR CONSTRUCTION.	27/03/2017
P1	PRELIMINARY - NOT FOR CONSTRUCTION - ISSUED FOR OPERATIONAL WORKS APPROVAL.	14/12/2016

Drawn KJM Date 14/12/2016	In Association With BUSHLAND GROVE PTY LTD	ROAD TYPICAL SECTIONS & ROAD CROSS SECTIONS
Checked P.A. Approved COPYRIGHT ©	BUSHLAND GROVE ESTATE STAGE 13, 26 ALLOTMENT RESIDENTIAL SUBDIVISION, MOUNT LOW	
Drawing Number TUR0813/7		Issue B



LEGEND

	- As constructed surface level.
	- As constructed top of kerb level.
	- Stormwater flow arrow.
	- RP boundary.
	- Top of batter.
	- Toe of batter.
	- uPVC water main.
	- Poly water main.
	- Stormwater drain line.
	- Sewer main.
	- Sewer manhole.

NOTES:
 1. All linemarking and signage is in accordance with the M.U.T.C.D.

ACCEPTED AS CONSTRUCTED

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Laurence John Nolan
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Andrew Ian Wallace - (RPEQ No. 6743)
 Date: 10/09/17

INTERSECTION PLAN



REAL PROPERTY DESCRIPTION
 Lot 900 on SP289582
 Parish of BOHLE
 County of ELPHINSTONE
 Conway Street - Mount Low

LEVEL DATUM A.H.D. (Der)
 Horizontal Datum GDA' 94 Zone 55
 Refer PM 193518 RL. 8.195
 Bolt and washer in kerb
 FREMONT STREET.



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Issue	Description	Date
Drawn KJM Date 14/12/2016	In Association With BUSHLAND GROVE PTY LTD	
Checked P.A. Approved 	BUSHLAND GROVE ESTATE STAGE 13, 26 ALLOTMENT RESIDENTIAL SUBDIVISION, MOUNT LOW	
DRAWING NUMBER		Issue
TUR0813/8		B

PLANNING AND COMMUNITY ENGAGEMENT

RECEIVED: 11/09/2017