



SHEET 3

ENGINEER'S CERTIFICATION – LCC REF. OW/25/2021

I, **PETER INGERMAN**, being a Consulting Engineer and duly authorized representative of: **EMPPOWER ENGINEERS AND PROJECT MANAGERS** hereby certify that the information contained in this drawing is generally in accordance with the approved design and is an accurate "as constructed" representation of the works; I accept responsibility for the "as constructed" information contained in this drawing; and I acknowledge the "as constructed" information contained in the drawing may be relied on by the **LOGAN CITY COUNCIL** and others.

Certification for Stage **3** by **K** on **28/09/21**

For: **EMPPOWER ENGINEERS AND PROJECT MANAGERS** RPO.9424

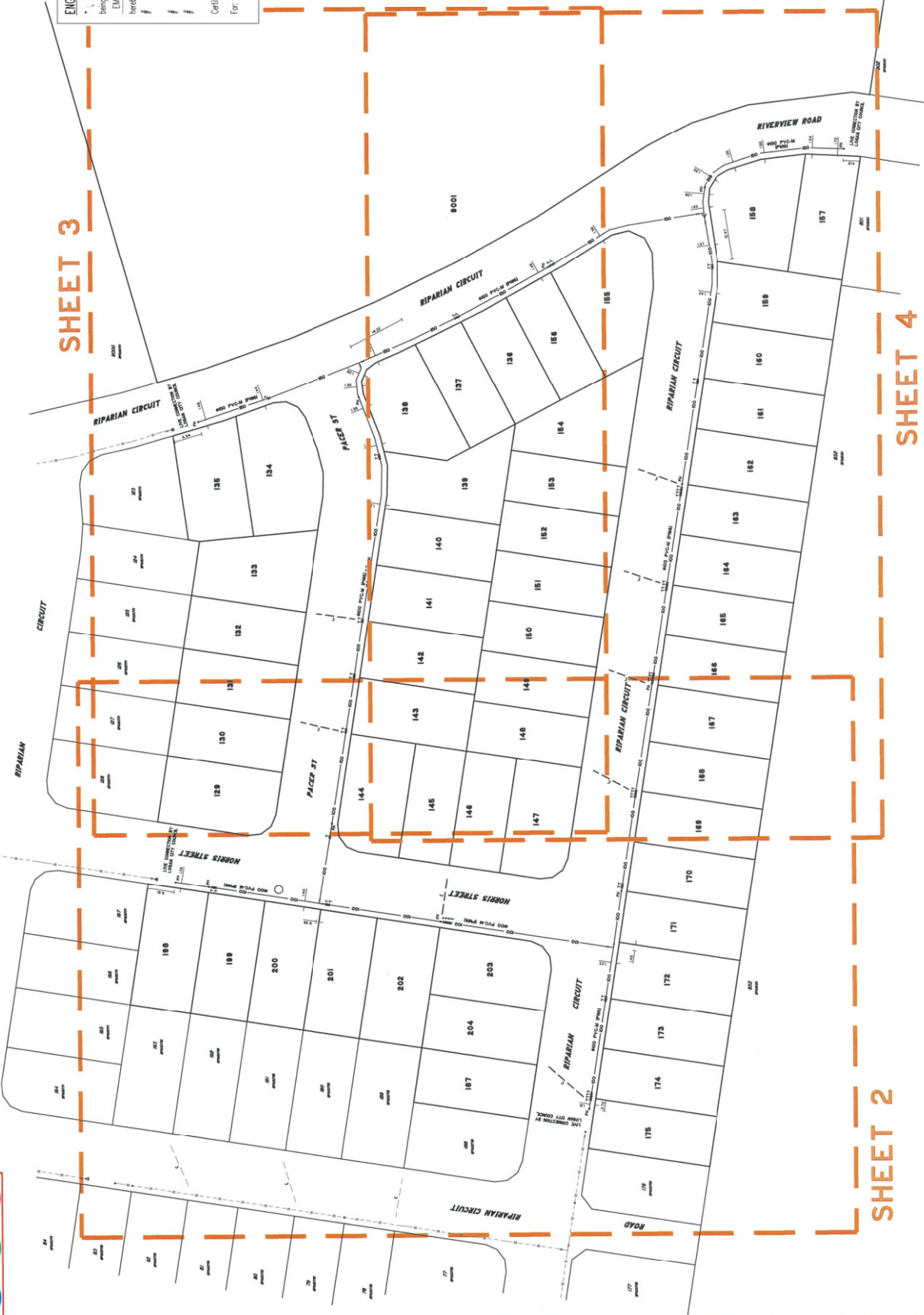
REGISTERED SURVEYOR'S CERTIFICATION

Saunders Havill Group Pty Ltd, Registered Surveyor, hereby certifies that the information contained in this drawing is generally in accordance with the approved design and is an accurate "as constructed" representation of the works; I accept responsibility for the "as constructed" information contained in this drawing; and I acknowledge the "as constructed" information contained in the drawing may be relied on by the **LOGAN CITY COUNCIL** and others.

Certification for Stage **3** by **K** on **28/09/21**

For: **EMPPOWER ENGINEERS AND PROJECT MANAGERS** RPO.9424

Authorized Signatory Reg. Surveyor No. 4511 DAF 21/09/2021



SHEET 4

Scale 1:500 - Lengths are in Metres.

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

Surveyed BH: _____ Date: **JUNE 2021**

Level Datum: **AHD ddr.**

Origin of Levels: **PM130385**

RL of Origin: **RL15.646**

Lot Description: **Lots 129-175, 187 & 198-204 on SP313772**

Locality: **Logan Reserve**

Local Government: **Logan City**

Surveying SHEET 1 OF 4

Scale @A1 1:500 @A3 1:1000

Dwg No. **8131 S 54 A AC**

AS CONSTRUCTED

WATER RETICULATION - KEY MAP

THE BANKS - STAGE 3

URBEX PTY LTD

No.	Drawn	Date	Description
A	PS	21/09/2021	Original Issue

saunders havill group

saunders havill group Pty Ltd ABN: 24 144 572 549
 Brisbane # Springfield # Rockhampton
 Head office: 9 Thompson St Bowen Hills Q 4006
 phone: 080 023 5HG web: www.saundershavill.com

surveying # town planning # urban design # environmental management # landscape architecture

No.	Drawn	Date	Description	Checked
A	PS	21/09/2021	Original Issue	SB


Client: URREX PTY LTD
 Project: THE BANKS - STAGE 3
 AS CONSTRUCTED
 WATER RETICULATION

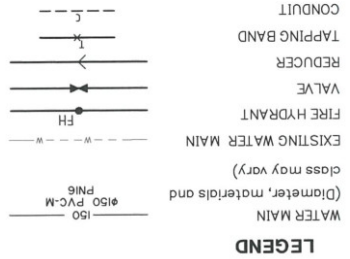
Level Datum: AHD der.
 Origin of Levels: PM130385
 RL of Origin: RL15.546
 Local Government: Logan Reserve
 Local Government: Logan City

Lot Description: Lot 129-175, 187 & 198-204
 on SP313772
 Lats 129-175, 187 & 198-204
 on SP313772
 Scale @A1: 1:250
 Scale @A3: 1:500
 SHEET 2 OF 4
 SURVEILING

REGISTERED SURVEYOR'S CERTIFICATION

Sanders Havill Group Pty Ltd, Registered Surveyors, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct representation of the land as surveyed.

Authorised Signatory: 
 Reg. Surveyor No. 4511 Date: 21/09/2021



Scale 1:250 - Lengths are in Metres.



SCHEDULE OF FITTINGS

1	1000 1125° BEND
2	915 1125° BEND
3	915 225° BEND
4	915 225° BEND
5	915 45° BEND
6	915 45° BEND
7	910 90° BEND
8	910 90° BEND
9	910 ISOLATING VALVE
10	910 ISOLATING VALVE
11	910 HYDRANT
12	910 HYDRANT
13	910 DUCK-FOOT HYDRANT
14	910 DUCK-FOOT HYDRANT
15	910 TAPPING BAND
16	910 TAPPING BAND
17	910 x 910 TAPER
18	910 x 910 TEE
19	910 x 910 TEE
20	915 x 910 TEE
21	915 x 915 TEE

ENGINEER'S CERTIFICATION

PETER INGERHMAN
 EMPOWER ENGINEERS AND PROJECT MANAGERS
 Being a Consulting Engineer and duly authorised representative of -
 EMPOWER ENGINEERS AND PROJECT MANAGERS

I, PETER INGERHMAN
 certify the information contained in this drawing is generally in accordance with the approved design and is an accurate 'as constructed' representation of the works.
 I accept responsibility for the 'as constructed' information contained in this drawing, and acknowledge the 'as constructed' information contained in the drawing may be relied on by the LOGAN CITY COUNCIL
 3 by _____ on 28/09/21
 Certification for Stage _____ by _____ on 28/09/21
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS. RFD. 9424.

LCC REF. OW/25/2021



ENGINEER'S CERTIFICATION -
 I, PETER INGERMAN, being a Consulting Engineer and duly authorised representative of - EMPOWER ENGINEERS AND PROJECT MANAGERS hereby certify the information contained in this drawing is generally in accordance with the approved design and is an accurate "as constructed" representation of the works; I accept responsibility for the "as constructed" information contained in this drawing; and I acknowledge the "as constructed" information contained in the drawing may be relied on by the LOGAN CITY COUNCIL on 28/09/21 and others.

For: EMPOWER ENGINEERS AND PROJECT MANAGERS REF: 9424

LCC REF. OW /25/2021



9001

SCHEDULE OF FITTINGS

- 1 #113 11.25° BEND
- 2 #158 11.25° BEND
- 3 #158 22.5° BEND
- 4 #158 22.5° BEND
- 5 #158 45° BEND
- 6 #158 45° BEND
- 7 #158 90° BEND
- 8 #158 90° BEND
- 9 #158 ISOLATING VALVE
- 10 #158 ISOLATING VALVE
- 11 #158 HYDRANT
- 12 #158 HYDRANT
- 13 #158 DUCK-FOOT HYDRANT
- 14 #158 DUCK-FOOT HYDRANT
- 15 #158 TAPPING BAND
- 16 #158 TAPPING BAND
- 17 #158 x #158 TAPER
- 18 #158 x #158 TEE
- 19 #158 x #158 TEE
- 20 #158 x #158 TEE
- 21 #158 x #158 TEE



LEGEND

- WATER MAIN (Diameter, materials and class may vary)
- EXISTING WATER MAIN
- FIRE HYDRANT
- VALVE
- REDUCER
- TAPPING BAND
- CONDUIT

REGISTERED SURVEYOR'S CERTIFICATION

Saunders Havill Group Pty Ltd, Registered Surveyor, hereby certifies that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record of the same as surveyed.

Authorised Signatory: [Signature] Reg. Surveyor No. 4611 Date: 21/09/2021

Surveyed	BH	Date	JUNE 2021
Level Datum:	AHD det.		
Origin of Levels:	PM130385		
RL of Origin:	RL15.546		
Lot Description:	Lots 129-175, 187 & 198-204 on SP313772 Locality: Logan Reserve Local Government: Logan City		
# surveying	SHEET 4 OF 4	Scale @ A1	1:250
		@ A3	1:500
		Dwg No.	8131 S 54 A AC

AS CONSTRUCTED
 WATER RETICULATION
 THE BANKS - STAGE 3
 URBEX PTY LTD

Client

No. Drawn	Date	Description	Checked	Plan of
A	PS	21/09/2021	Original Issue	SB

saunders havill group

Saunders Havill Group Pty Ltd ABN: 24 144 575 949
 Brisbane @ Springfield @ Rockhampton
 Head Office: 9 Thompson St. Bowen Hills Q 4006
 Phone: 800 823 516 Web: www.saundershavill.com

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 a surveying & town planning & urban design & environmental management & landscape architecture