



REGISTERED SURVEYOR'S CERTIFICATION

Saunders Havill Group Pty Ltd, Registered Surveyor, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct representation as located by survey.

[Signature]
 Authorised Signatory Reg. Surveyor No 4611 Date 14/5/21

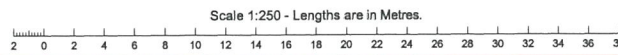
**OW/131/2020
 AS CONSTRUCTED
 REFERENCE SET ONLY
 REFER TO SURVEYORS AS
 CONSTRUCTED PLANS FOR FINAL LEVELS
 AND CONSTRUCTED INFORMATION**

ENGINEER'S CERTIFICATION - LCC REF. OW/131/2020

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;
- # 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 and others.

Certification for Stage 2 by [Signature] on 17/05/21
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS RPEQ 9424



saunders havill group
 Saunders Havill Group Pty Ltd ABN 24 144 972 949
 Brisbane • Springfield • Rockhampton
 head office 9 Thompson St Bowen Hills Q 4006
 phone 1300 123 SHG web www.saundershavill.com

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

No.	Drawn	Date	Description	Checked
A	JTC	14.05.2021	Original Issue	SB
ISSUES				

Plan of **AS CONSTRUCTED WATER RETICULATION - KEY MAP**

Project **THE BANKS - STAGE 2**

Client **URBEX PTY LTD**

Surveyed	Date
NC	DEC 2020
Level Datum: AHD der.	
Origin of Levels: PM130385	
RL of Origin: RL15.546	

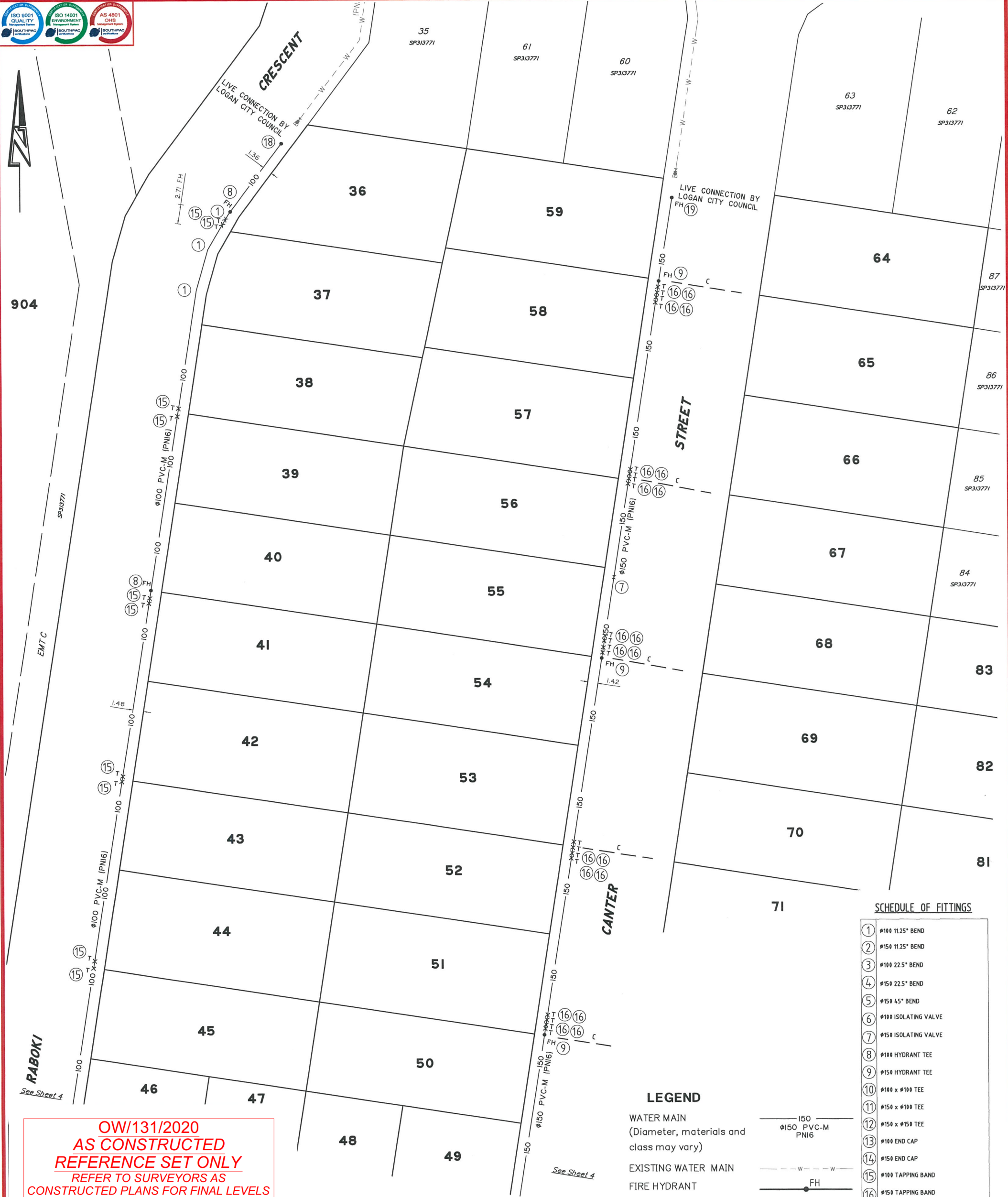
Lot Description
 Lots 36-59, 64-83, 176-186 & 188-193 on SP313772

Locality: Logan Reserve
 Local Government: Logan City

surveying SHEET 1 OF 4

Scale @A1 1:250
 @A3 1:500

Dwg No. **8131 S 48 A AC**



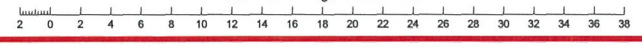
SCHEDULE OF FITTINGS

1	Ø100 11.25° BEND
2	Ø150 11.25° BEND
3	Ø100 22.5° BEND
4	Ø150 22.5° BEND
5	Ø150 45° BEND
6	Ø100 ISOLATING VALVE
7	Ø150 ISOLATING VALVE
8	Ø100 HYDRANT TEE
9	Ø150 HYDRANT TEE
10	Ø100 x Ø100 TEE
11	Ø150 x Ø100 TEE
12	Ø150 x Ø150 TEE
13	Ø100 END CAP
14	Ø150 END CAP
15	Ø100 TAPPING BAND
16	Ø150 TAPPING BAND
17	Ø150 x Ø100 TAPER
18	Ø100 DUCK-FOOT HYDRANT TEE
19	Ø150 DUCK-FOOT HYDRANT TEE

LEGEND

WATER MAIN (Diameter, materials and class may vary)	— 150 — Ø150 PVC-M PNIG
EXISTING WATER MAIN	- - - w - - - w
FIRE HYDRANT	FH
VALVE	⋈
REDUCER	>
TAPPING BAND	T
CONDUIT	- - - c - - -

Scale 1:250 - Lengths are in Metres.



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SH saunders havill group Saunders Havill Group Pty Ltd ABN 24 144 972 949
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Plan of **AS CONSTRUCTED WATER RETICULATION**
Project **THE BANKS - STAGE 2**
Client **URBEX PTY LTD**

Surveyed NC Date DEC 2020
Level Datum: AHD der.
Origin of Levels: PM130385
RL of Origin: RL15.546
Lot Description
Lots 36-59, 64-83, 176-186 & 188-193 on SP313772
Locality: Logan Reserve
Local Government: Logan City

surveying SHEET 2 OF 4
Scale @A1 1:250
@A3 1:500
Dwg No. 8131 S 48 AC A



SCHEDULE OF FITTINGS

- 1 #100 11.25° BEND
- 2 #150 11.25° BEND
- 3 #100 22.5° BEND
- 4 #150 22.5° BEND
- 5 #150 45° BEND
- 6 #100 ISOLATING VALVE
- 7 #150 ISOLATING VALVE
- 8 #100 HYDRANT TEE
- 9 #150 HYDRANT TEE
- 10 #100 x #100 TEE
- 11 #150 x #100 TEE
- 12 #150 x #150 TEE
- 13 #100 END CAP
- 14 #150 END CAP
- 15 #100 TAPPING BAND
- 16 #150 TAPPING BAND
- 17 #150 x #100 TAPER
- 18 #100 DUCK-FOOT HYDRANT TEE
- 19 #150 DUCK-FOOT HYDRANT TEE

LEGEND

- WATER MAIN (Diameter, materials and class may vary) ——— 150 ———
- EXISTING WATER MAIN - - - - - w - - - - -
- FIRE HYDRANT VALVE ——— FH ———
- REDUCER ——— > ———
- TAPPING BAND ——— T ———
- CONDUIT - - - - - c - - - - -

Scale 1:250 - Lengths are in Metres.



See Sheet 3

See Sheet 4

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Plan of **AS CONSTRUCTED WATER RETICULATION**
Project **THE BANKS - STAGE 2**
Client **URBEX PTY LTD**

Surveyed NC Date DEC 2020
Level Datum: AHD der.
Origin of Levels: PM130385
RL of Origin: RL15.546

Lot Description
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Locality: Logan Reserve
Local Government: Logan City

surveying SHEET 3 OF 4
Scale @A1 1: 250
@A3 1: 500
Dwg No. 8131 S 48 AC A



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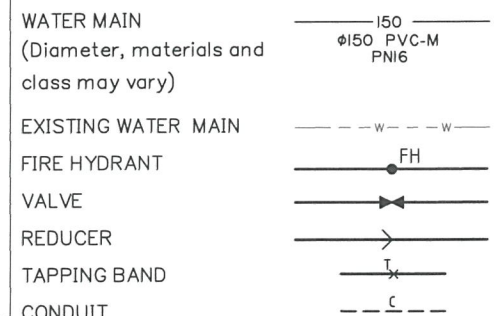
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SCHEDULE OF FITTINGS

- ① #100 112.5° BEND
- ② #150 112.5° BEND
- ③ #100 22.5° BEND
- ④ #150 22.5° BEND
- ⑤ #150 45° BEND
- ⑥ #100 ISOLATING VALVE
- ⑦ #150 ISOLATING VALVE
- ⑧ #100 HYDRANT TEE
- ⑨ #150 HYDRANT TEE
- ⑩ #100 x #100 TEE
- ⑪ #150 x #100 TEE
- ⑫ #150 x #150 TEE
- ⑬ #100 END CAP
- ⑭ #150 END CAP
- ⑮ #100 TAPPING BAND
- ⑯ #150 TAPPING BAND
- ⑰ #150 x #100 TAPER
- ⑱ #100 DUCK-FOOT HYDRANT TEE
- ⑲ #150 DUCK-FOOT HYDRANT TEE

LEGEND



Scale 1:400 - Lengths are in Metres.

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Client	URBEX PTY LTD

Surveyed	NC	Date	DEC 2020
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Locality:	Logan Reserve
Local Government:	Logan City
Dwg No.	8131 S 48 A AC

Scale @A1 1: 400
 @A3 1: 800