



2
RP/15473

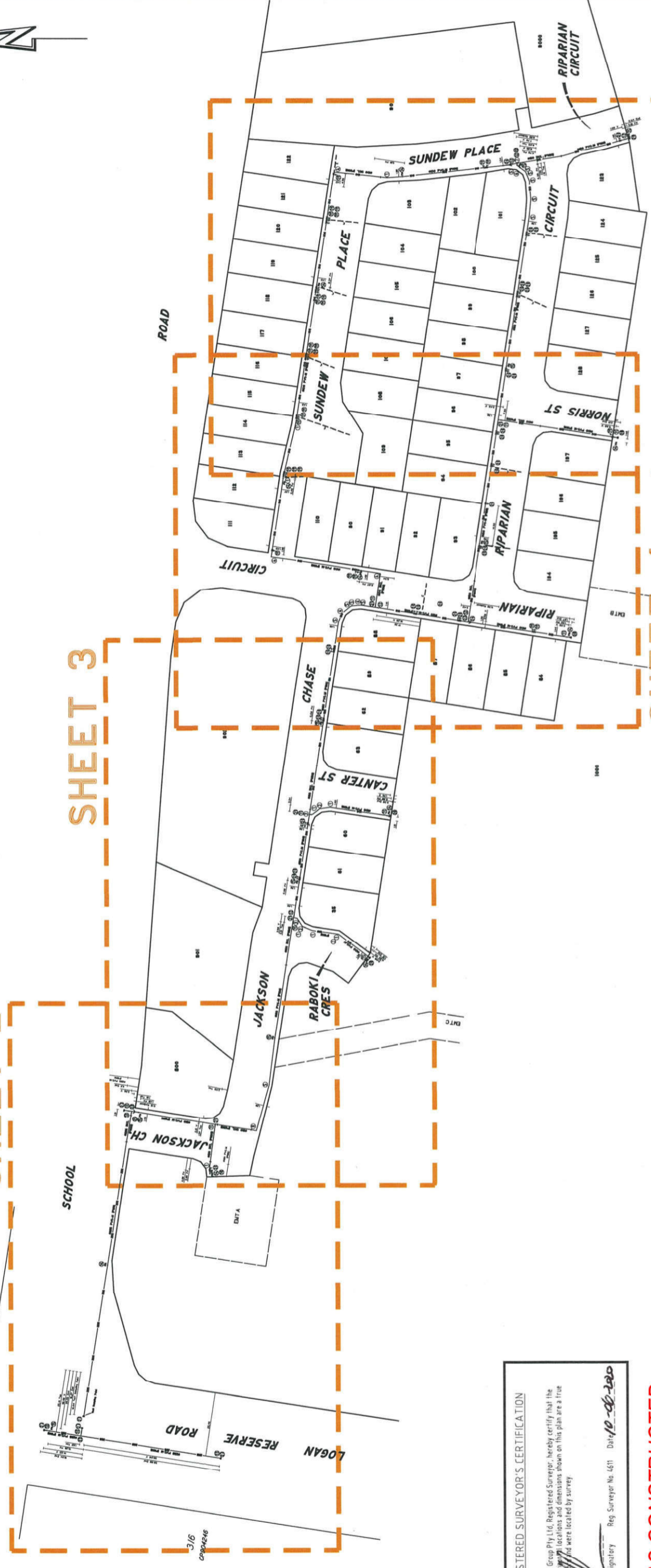
1
RP/150905

SHEET 2

SHEET 3

SHEET 4

SHEET 5



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 copy of the data were located by survey.
 Authorised Signatory: [Signature] Reg. Surveyor No. 4611 Date: 10-10-2020

**AS CONSTRUCTED
 REFERENCE SET ONLY**
**REFER TO SURVEYORS AS CONSTRUCTED
 PLANS FOR FINAL LEVELS AND
 CONSTRUCTED INFORMATION**
OW/24/2019

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 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 1 by **K** on 19/06/20
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS, RPO, 24/2019

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 1800 83 5HG web www.saundershavill.com
 # surveying # town planning # urban design # environmental management # landscape architecture

No.	Drawn	Date	Description	Checked
A	JTC	10.06.2020	Original Issue	SB
Issues				

AS CONSTRUCTED
WATER RETICULATION - KEY MAP
 Project: THE BANKS - STAGE 1
 Client: URBEX PTY LTD

Plan of
 Lot Description
 Plan of Lots 35, 60-63, 84-128, 194-197, 800, 901, 902, 905, 1000 & 9000 on SP313771
 Locality: Logan Reserve
 Local Government: Logan City

Surveying Sheet 1 of 5
 Scale @A1 1:750
 @A3 1:1500
 Dwg No. 8131 S 35 A AC

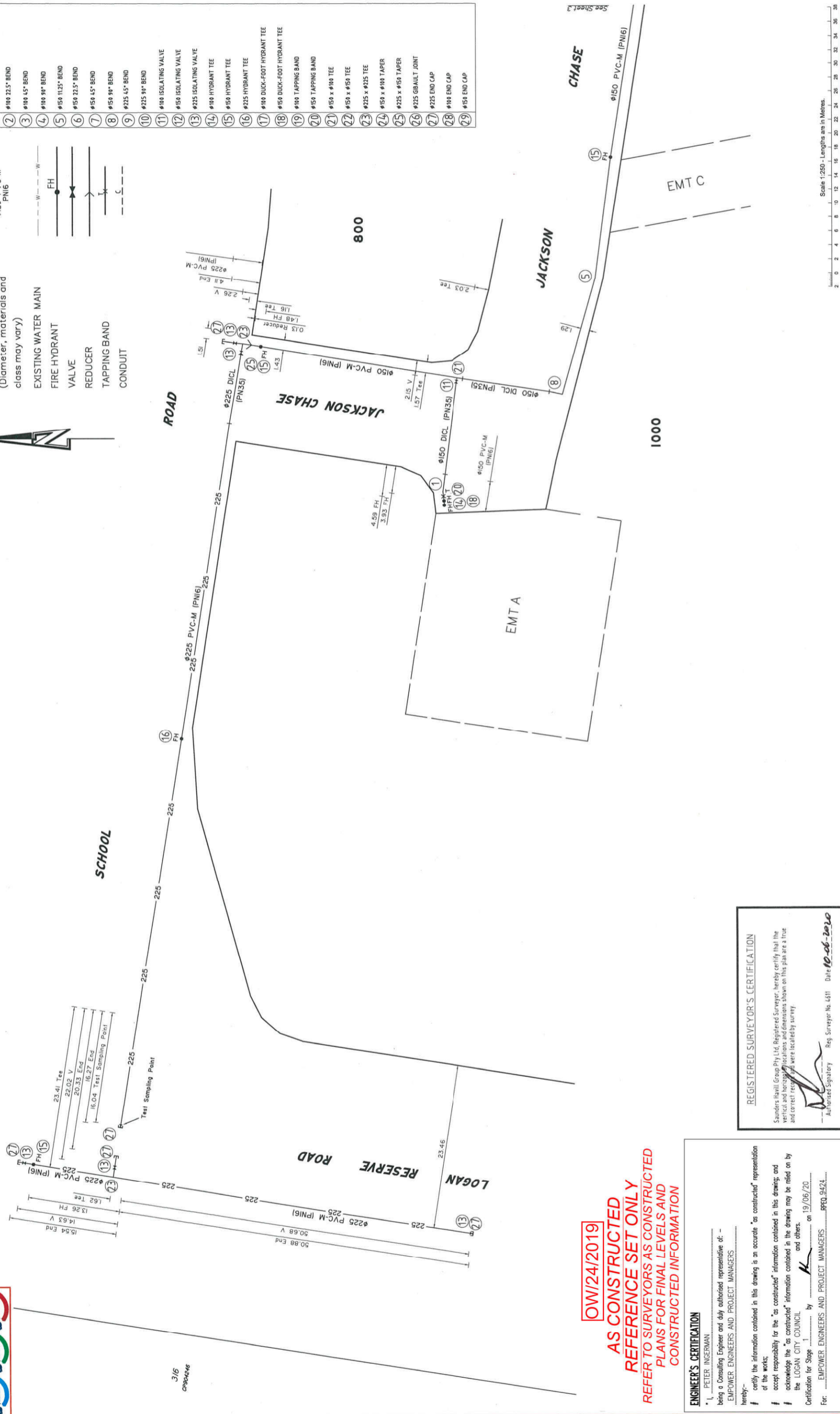


SCHEDULE OF FITTINGS

1	Ø100 11.25° BEND
2	Ø100 22.5° BEND
3	Ø100 45° BEND
4	Ø100 90° BEND
5	Ø50 11.25° BEND
6	Ø50 22.5° BEND
7	Ø50 45° BEND
8	Ø50 90° BEND
9	Ø25 45° BEND
10	Ø25 90° BEND
11	Ø100 ISOLATING VALVE
12	Ø50 ISOLATING VALVE
13	Ø225 ISOLATING VALVE
14	Ø100 HYDRANT TEE
15	Ø50 HYDRANT TEE
16	Ø225 HYDRANT TEE
17	Ø100 DUCK-FOOT HYDRANT TEE
18	Ø50 DUCK-FOOT HYDRANT TEE
19	Ø100 TAPPING BAND
20	Ø50 TAPPING BAND
21	Ø50 x Ø100 TEE
22	Ø50 x Ø50 TEE
23	Ø225 x Ø225 TEE
24	Ø50 x Ø100 TAPER
25	Ø225 x Ø50 TAPER
26	Ø225 GBAULT JOINT
27	Ø225 END CAP
28	Ø100 END CAP
29	Ø50 END CAP

LEGEND

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



Scale 1:250 - Lengths are in Metres.

Surveyed	NC	Date	MAY 2020
Level Datum:	AHD der.	Lot Description	Plan of Lots 35, 60-63, 84-128, 194-197, 800, 901, 902, 905, 1000 & 9000 on SP313771
Origin of Levels:	PM130385	Locality:	Logan Reserve
RL of Origin:	RL15.546	Local Government:	Logan City
Contour Interval:			

Plan of	AS CONSTRUCTED WATER RETICULATION
Project	THE BANKS - STAGE 1
Client	URBEX PTY LTD

No.	Drawn	Date	Description	Checked
A	JTC	10.06.2020	Original Issue	SB

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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 representation of the locations and dimensions as shown on the original survey plan.

Authorised Signatory: [Signature] Reg. Surveyor No. 4811 Date 10-06-2020

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 Certification for Stage 1 by [Signature] on 19/06/20
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS RFO 3424

OWI/24/2019
AS CONSTRUCTED
REFERENCE SET ONLY
REFER TO SURVEYORS AS CONSTRUCTED
PLANS FOR FINAL LEVELS AND
CONSTRUCTED INFORMATION

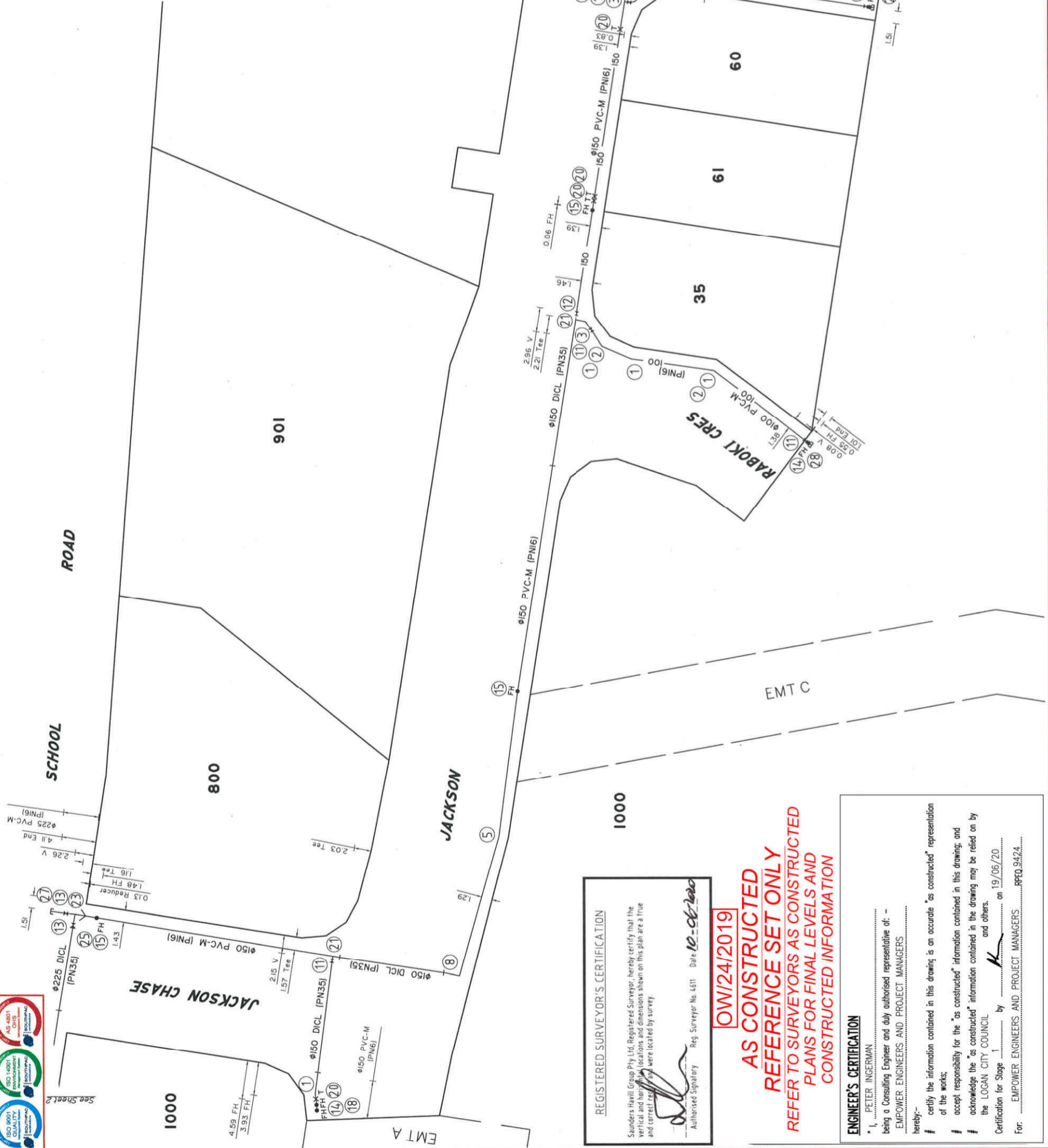


SCHEDULE OF FITTINGS

1	Ø100 11.25° BEND
2	Ø100 22.5° BEND
3	Ø100 45° BEND
4	Ø100 90° BEND
5	Ø50 11.25° BEND
6	Ø50 22.5° BEND
7	Ø50 45° BEND
8	Ø50 90° BEND
9	Ø25 45° BEND
10	Ø25 90° BEND
11	Ø100 ISOLATING VALVE
12	Ø50 ISOLATING VALVE
13	Ø25 ISOLATING VALVE
14	Ø100 HYDRANT TEE
15	Ø50 HYDRANT TEE
16	Ø25 HYDRANT TEE
17	Ø100 DUCK-FOOT HYDRANT TEE
18	Ø50 DUCK-FOOT HYDRANT TEE
19	Ø100 TAPPING BAND
20	Ø50 TAPPING BAND
21	Ø50 x Ø100 TEE
22	Ø50 x Ø50 TEE
23	Ø25 x Ø25 TEE
24	Ø50 x Ø100 TAPER
25	Ø25 x Ø50 TAPER
26	Ø25 GIBBULT JOINT
27	Ø25 END CAP
28	Ø100 END CAP
29	Ø50 END CAP

LEGEND

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



Scale 1:250 - Lengths are in Metres.



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 Authorised Signatory: [Signature] Reg. Surveyor No. 4611 Date 10-06-2020

OW/24/2019
AS CONSTRUCTED
REFERENCE SET ONLY
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 Certification for Stage 1 by [Signature] on 19/06/20
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS RFO 9424

No. Drawn A	JTC	Date	10.06.2020
		Description	Original Issue
Checked	SB	Plan of	AS CONSTRUCTED WATER RETICULATION
Issues		Project	THE BANKS - STAGE 1
		Client	URBEX PTY LTD
		Level Datum:	AHD der.
		Origin of Levels:	PM130385
		RL of Origin:	RL 15.546
		Contour Interval:	
		Lot Description	Plan of Lots 35, 60-63, 84-128, 194-197, 800, 901, 902, 905, 1000 & 9000 on SP313771
		Local Government:	Logan Reserve
		Local Government:	Logan City

Surveyed	NC	Date	MAY 2020
Level Datum:		AHD der.	
Origin of Levels:		PM130385	
RL of Origin:		RL 15.546	
Contour Interval:			

AS CONSTRUCTED WATER RETICULATION	
THE BANKS - STAGE 1	
URBEX PTY LTD	

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No.	Drawn	Date	Description	Checked
A	JTC	10.06.2020	Original Issue	SB

Client: URBEX PTY LTD
 Project: THE BANKS - STAGE 1
 AS CONSTRUCTED WATER RETICULATION

Contour Interval:
 Origin of Levels: PM130385
 RL of Origin: RL15.546
 Level Datum: AHD der.

Plan of Lots 35, 60-63, 84-128,
 194-197, 900, 901, 902, 905,
 1000 & 9000 on SP313771
 Local Government:
 Logan City

Dwg No. 8131 S 35 AAC
 Scale @A1 1:250
 Scale @A3 1:500
 Sheet 4 of 5

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 Certification for Stage 1 by on 19/06/20
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS
 PEO.9424

REGISTERED SURVEYOR'S CERTIFICATION
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 vertical and horizontal locations and dimensions shown on this plan are a true
 and correct reading and were located by survey.
 Authorised Signatory
 Reg. Surveyor No. 4511 Date 10-06-2020

SAUNDERS HAVILL GROUP
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AS CONSTRUCTED
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PLANS FOR FINAL LEVELS AND
CONSTRUCTED INFORMATION
REFER TO SURVEYORS AS CONSTRUCTED
OW/24/2019



SCHEDULE OF FITTINGS
 (Diameter, materials and class may vary)

1	100 1125° BEND
2	100 225° BEND
3	100 45° BEND
4	100 90° BEND
5	150 1125° BEND
6	150 225° BEND
7	150 45° BEND
8	150 90° BEND
9	225 45° BEND
10	225 90° BEND
11	100 ISOLATING VALVE
12	150 ISOLATING VALVE
13	225 ISOLATING VALVE
14	100 HYDRANT TEE
15	150 HYDRANT TEE
16	225 HYDRANT TEE
17	100 DUCK-FOOT HYDRANT TEE
18	150 DUCK-FOOT HYDRANT TEE
19	100 TAPPING BAND
20	150 TAPPING BAND
21	150 x 100 TEE
22	150 x 150 TEE
23	225 x 225 TEE
24	150 x 100 TAPER
25	225 x 150 TAPER
26	225 GIBBULT JOINT
27	225 END CAP
28	100 END CAP
29	150 END CAP



LEGEND
 WATER MAIN
 150 PVC-M (PN16)

Issues

No.	Drawn	Date	Description	Checked
A	JTC	10.06.2020	Original Issue	SB

Client: URBEX PTY LTD
 Project: THE BANKS - STAGE 1
 Plan of: WATER RETICULATION
 AS CONSTRUCTED

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

Lot Description
 Plan of Lots 35, 60-63, 84-128,
 194-197, 800, 901, 902, 905,
 1000 & 9000 on SP313771
 Local Government:
 Logan City

Dwg No. 8131 S 35 A AC
 Scale @A1 1: 250
 Scale @A3 1: 500
 Surveying
 Sheet 5 of 5

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 Authorised Signatory
 Reg. Surveyor No. 4611 Date 10.06.2020

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 CONSTRUCTED INFORMATION

Scale 1:250 - Lengths are in Metres.
 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38



SCHEDULE OF FITTINGS

1	100 11.25" BEND
2	100 2.25" BEND
3	100 4.5" BEND
4	100 90° BEND
5	150 11.25" BEND
6	150 2.25" BEND
7	150 4.5" BEND
8	150 90° BEND
9	225 4.5" BEND
10	225 90° BEND
11	100 ISOLATING VALVE
12	150 ISOLATING VALVE
13	225 ISOLATING VALVE
14	100 HYDRANT TEE
15	150 HYDRANT TEE
16	225 HYDRANT TEE
17	100 DUCK-FOOT HYDRANT TEE
18	150 DUCK-FOOT HYDRANT TEE
19	100 TAPPING BAND
20	150 TAPPING BAND
21	150 x 100 TEE
22	150 x 150 TEE
23	225 x 150 TEE
24	150 x 100 TAPER
25	225 x 150 TAPER
26	225 GIBBULT JOINT
27	225 END CAP
28	100 END CAP
29	150 END CAP

