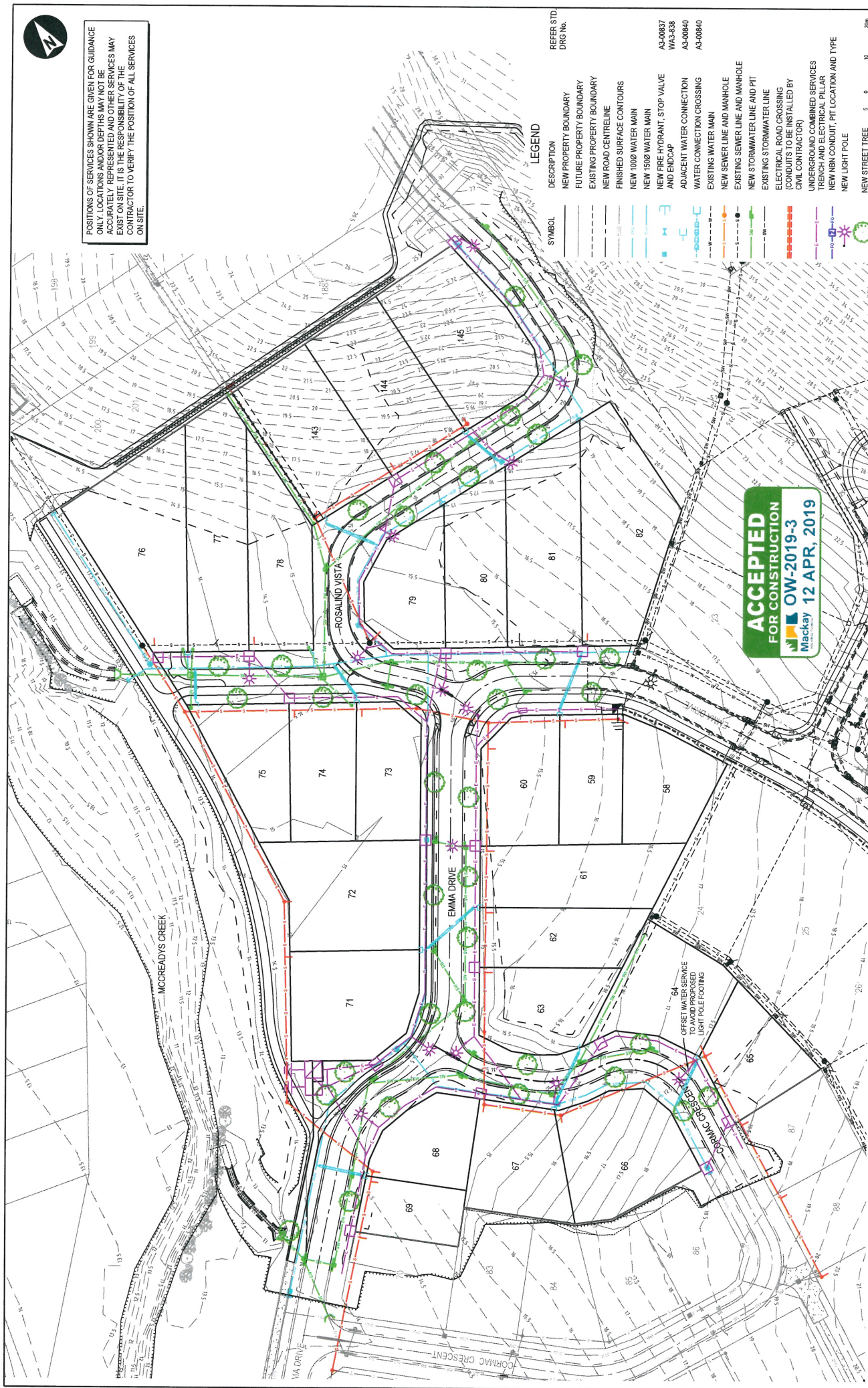
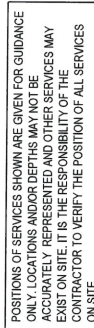




**ACCEPTED
FOR CONSTRUCTION**

 **OW-2019-3**
Mackay
12 APR. 2019



THE TRUSTEE FOR SUGARVIEW INVESTMENT TRUSTS

www.aurecongroup.com

CLIENT

REVISION DETAILS

SCALE

SIZE

DATE

APPROVED

FOR CONSTRUCTION

A

31.08.16

FOR APPROVAL

DNELSON

1:500

A1

B

11.12.15

RESPONSE TO INFORMATION REQUEST

DNELSON

1:500

A1

01

28.01.16

ISSUED FOR CONSTRUCTION

DNELSON

1:500

A1

02

06.02.19

REISSUED FOR CONSTRUCTION

DNELSON

1:500

A1

PROJECT

TITLE

DATE

APPROVED

DATE

APPROVED

SUGARVIEW DEVELOPMENT - STAGE 5A

OVERALL SERVICES PLAN

SCALE 1:500

DATE 31.08.16

PROJECT

TITLE

DATE

APPROVED

244260

ST5A - DRG - CC - 0017

244260

ST5A - DRG - CC - 0017

This is a Mackay Regional Council digitally signed document



WATER RETICULATION NOTES:

1. ALL WATER MAINS ARE TO BE CLASS 16 1000' 1500' & 2000' uPVC AS NOTED ON DRAWING WITH MIN. 600mm COVER WITHIN VERGE AND OFFSET 1.8m FROM PROPERTY BOUNDARIES UNO. ROAD CROSSINGS ARE TO HAVE MIN. 1000mm COVER UNO.
2. THRUST BLOCKS ARE TO BE PROVIDED TO ALL WATER MAINS AS PER STD. DRG. A3-0836 AND A3-04283.
3. FOR TYPICAL WATER RETICULATION LAYOUT REFER M.R.C. STD. DRG. A3-00833.
4. FOR BEDDING AND BACKFILL TO WATER MAINS REFER M.R.C. STD. DRG. A3-00835.
5. WHERE CROSSING OVER SERVICES SUCH AS STORMWATER DEFLECT WATER MAIN OVER COVER AND CLEARANCE TO BE APPROVED BY MACKAY WATER.
6. WATER MAIN FITTINGS SHOWN ON THIS PLAN ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR IS TO CONFIRM THAT ALL FITTINGS ARE SUITABLE.
7. ALL TEES AND STOP VALVES ARE TO BE FLANGED. ALL VALVES TO BE BOLTED TO TEES.
8. ALL WATER SERVICE CONNECTIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH STD DRG A3-00840. WATER SERVICES CROSSING ENVELOPERS ARE TO BE 100mm DIA.

WATER MAIN FITTINGS LEGEND

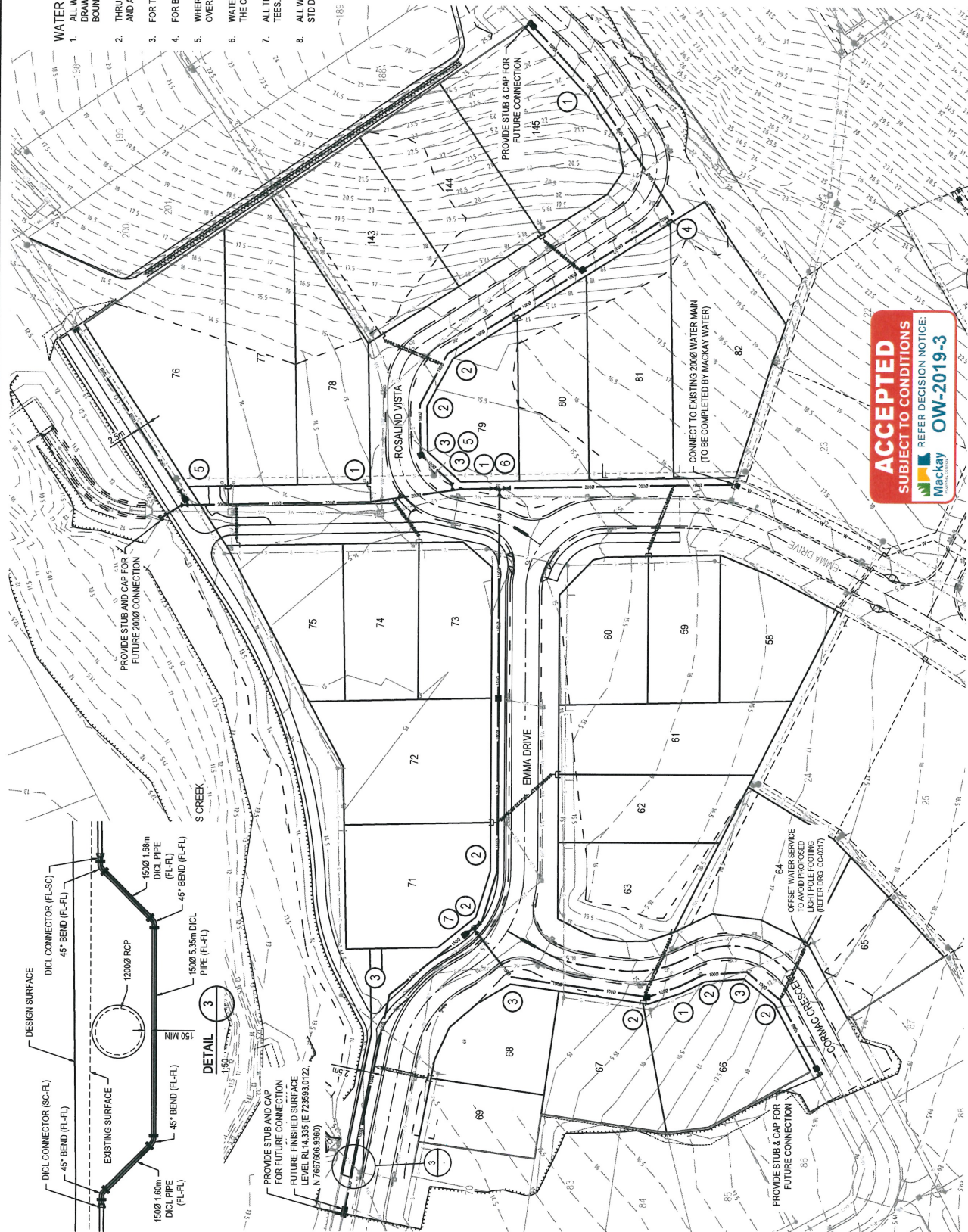
- | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------|------------|------------|------------|---------------------|---------------------|---------------------|
| 11.25° BEND | 22.5° BEND | 45.0° BEND | 90.0° BEND | 200 x 200 - 100 TEE | 200 x 200 - 150 TEE | 150 x 150 - 100 TEE |

ALL CONNECTIONS TO LIVE WATER SUPPLY AND SEWERAGE INFRASTRUCTURE MUST BE MADE BY WATER SERVICES AT DEVELOPER'S EXPENSE

POSITIONS OF SERVICES SHOWN ARE GIVEN FOR GUIDANCE ONLY. LOCATIONS AND DEPTHS OF SERVICES ARE TO BE ACCURATELY REPRESENTED AND OTHER SERVICES MAY EXIST ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL SERVICES ON SITE.

LEGEND

SYMBOL	DESCRIPTION	REFER STD. DRG No.
---	NEW PROPERTY BOUNDARY	
---	FUTURE PROPERTY BOUNDARY	
---	EXISTING PROPERTY BOUNDARY	
---	NEW ROAD CENTRELINE	
---	NEW 1000' WATER MAIN	
---	NEW 1500' WATER MAIN	
---	NEW 2000' WATER MAIN	
---	NEW FIRE HYDRANT, STOP VALVE AND END CAP	A3-00837
---	ADJACENT WATER CONNECTION	W43-438
---	WATER CONNECTION CROSSING	A3-00840
---	EXISTING WATER MAIN, FIRE HYDRANT AND STOP VALVE	A3-00840
---	EXISTING SEWER LINE AND MANHOLE	
---	NEW STORMWATER LINE AND PIT	A3-00856
---	EXISTING STORMWATER LINE	



www.aurecongroup.com

THE TRUSTEE FOR SUGARVIEW INVESTMENT TRUSTS

REV	DATE	REVISION DETAILS
A	31/08/15	FOR APPROVAL
B	11/12/15	RESPONSE TO INFORMATION REQUEST
01	28/01/16	ISSUED FOR CONSTRUCTION
02	06/02/19	REISSUED FOR CONSTRUCTION

FOR CONSTRUCTION	APPROVED	DATE
	D NELSON	06/02/2019

PROJECT	TITLE
SUGARVIEW DEVELOPMENT - STAGE 5A	WATER RETICULATION PLAN

SCALE	SHEET	DATE
1:500	A1	06/02/2019

CLIENT	DESIGNED BY	CHECKED BY
THE TRUSTEE FOR SUGARVIEW INVESTMENT TRUSTS	S WILSON	D NELSON

PROJECT	TITLE
SUGARVIEW DEVELOPMENT - STAGE 5A	WATER RETICULATION PLAN

DRAWING No.	STAGE	DRG	CC	0021
244260	ST5A	DRG	CC	0021

This is a Mackay Regional Council digitally signed document

STORMWATER NOTES

1. ALL STORMWATER PIPES WITHIN ROAD RESERVES ARE TO BE CLASS 2 RUBBER RING JOINTED REINFORCED CONCRETE PIPES U.N.O. ALL STORMWATER PIPES WITHIN ALLOTMENTS ARE TO BE uPVC DWV S/N4 OR APPROVED EQUIVALENT U.N.O.

2. BEFORE COMMENCING STORMWATER WORKS THE CONTRACTOR IS TO VERIFY THAT THE NOMINATED PIT REFERENCE LEVEL SUITS:-
- DESIGN SURFACE LEVEL (ROAD/ALLOTMENTS)

- EXISTING GROUND LEVEL
- ADJACENT STRUCTURES
- EXISTING ALLOTMENT SERVICES AND LEVELS
IF DISCREPANCIES EXIST THE SUPERINTENDENT IS TO
WORKS COMMENCE.

3. COORDINATES AND REFERENCE LEVELS FOR GULLY PITS ARE TO LIP OF KERB AT CENTRELINE OF CHAMBER, AND CENTRE OF CHAMBER FOR FIELD PITS. (UNLESS SHOWN OTHERWISE ON DETAIL S.P. 1A)

4. STORMWATER PIPE LENGTHS GIVEN ARE CALCULATED FROM CENTRE LINE OF CHAMBER UNO (CONTRACTOR IS TO CALCULATE ACTUAL PIPE LENGTHS)

5. FOR STORMWATER PIPE INVERT LEVELS REFER DRG. 0023.

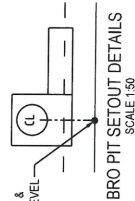
6. FOR PIPE BEDDING DETAILS REFER STD. DRG. CS SW 15 U.N.O.

7. CLASS OF STORMWATER PIPES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE CONCRETE PIPE ASSOCIATION OF AUSTRALASIA FOR IN SERVICE CONDITIONS ONLY. CONTRACTOR IS TO ENSURE CONSTRUCTION METHODS USED ON SITE DO NOT COMPROMISE THE INTEGRITY OF THE SPECIFIED PIPE.

3. WHERE NEW SERVICES PASS EXISTING SERVICES / STRUCTURES THE CONTRACTOR IS TO CONFIRM DEPTH / LOCATION OF EXISTING SERVICES / STRUCTURES BEFORE COMMENCING ANY WORK. REFER TO SUPERINTENDENT IF REQUIRED SEPARATION CANNOT BE ACHIEVED.

9. ALL TEMPORARY STORMWATER INLET / OUTLET HEADWALLS ARE TO HAVE TEMPORARY SAFETY FENCES INSTALLED TO THE APPROVAL OF THE SUPERINTENDENT.

10. ROOF DRAINAGE OUTLETS ARE TO BE PROVIDED ON EACH SIDE OF ALLOTMENT (WHERE SHOWN) BETWEEN 0.5m & 1.0m FROM SIDE BOUNDARY. THE OUTLET SHALL BE FITTED WITH AN ALUMINUM KERB ADAPTER. THE PIPES SHALL EXTEND 0.5m INTO PROPERTY. ALL PIPES TO BE 900 uPVC LAID @ 1 in 100



LEGEND

SYMBOL _____

DESCRIPTION _____

NEW PROPERTY BOUNDARY _____

FUTURE PROPERTY BOUNDARY _____

EXISTING PROPERTY BOUNDARY _____

NEW ROAD CENTRELINE _____

FINISHED SURFACE CONTOURS _____

NEW STORMWATER LINE _____

NEW STORMWATER BRO PIT _____

EXISTING STORMWATER LINE _____

NEW ROOFWATER DRAINAGE OUTLET _____

(REFER NOTE SW11)

SW PIT NUMBER _____

SW LINE NUMBER _____

EXISTING STORMWATER PIT NUMBER _____

1
401

P 17/19

POSITIONS OF SERVICES SHOWN ARE GIVEN FOR GUIDANCE ONLY. LOCATIONS AND/OR DEPTHS MAY NOT BE ACCURATELY REPRESENTED AND OTHER SERVICES MAY EXIST ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE POSITION OF ALL SERVICES

[illegible]

This is a Mackay Regional Council digitally signed document