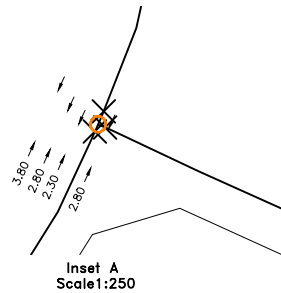
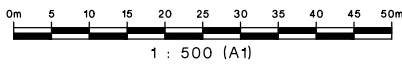


NOTES:
* Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor or others.
* Backfilled service locations provided by Contractor.
* Selected entites dimensioned off future boundaries for clarity. These boundaries are subject to change.
* Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

We Brazier Mottl Pty Ltd (ACN 066 411 041) hereby certify that the locations, surface and invert levels of all works and infrastructure presented on this drawing & relevant digital data set have been surveyed and meet the accuracy standards as defined within the FNQROC Development Manual, unless indicated otherwise.

..... Director

Date.....



surveying | town planning | project management | mapping and GIS

Brazier Mottl Pty Ltd (ABN 58 066 411 041)
Cairns - Ground Floor, Woree Plaza, 12-20 Toogood Road, Woree
Postal Address: PO Box 1185, Cairns, Qld 4870
Phone: 07 4033 2377 Fax: 07 4033 2099
email: cairns@braziermottl.com.au

TOWNVILLE
Ph: 07 4772 1144
Fax: 07 4772 2557

MACKAY
Ph: 07 4953 1499
Fax: 07 4953 1538

BURDEKIN
Ph: 07 4783 5765
Fax: 07 4783 2460

Origin of Levels PSM 163214

RL of Origin 42.283m (AHD Der)

Origin of Coord PSM 163214

Coord of Origin 364072.68 E 8117629.97 N

Data Source File 30970-157-01.dwg

Surveyed

Map Reference 8063-41142

Approved

REVISIONS

No.	Date	Details	By	Check
1	17/10/18	Original Issue	MJM	
A	13/11/18	Additional Survey Added	MJM	
B	20/11/18	Street names amended	MJM	

Client

SUGARWORLD PTY LTD

Project AS CONSTRUCTED SURVEY OF POTABLE WATER RETICULATION

SUGARWORLD HEIGHTS - STAGE 3A

WISEMAN ROAD WEST, EDMONTON

Parish of

Cairns

Local Authority Cairns Regional Council

County of

Nares

Original Portion

Orig Por

Meridian
M.G.A. Zn 55

Date 17/10/18

Scale 1:500

Job No 30970/148-01

Sheet 1 of 1

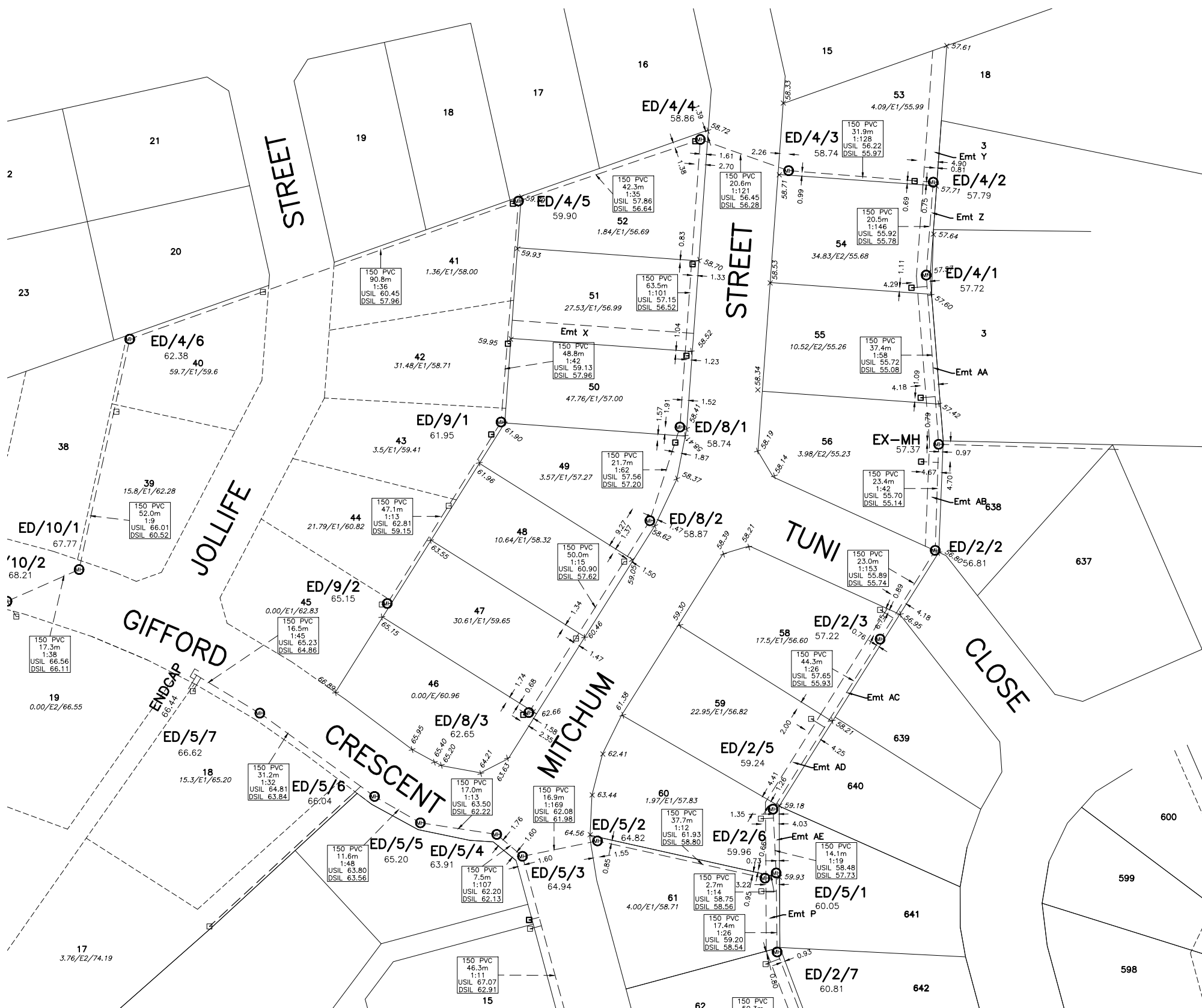
Drawing No.

30970/306

Revision

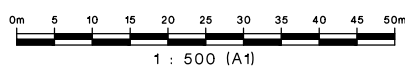
No.

B



- * Manholes are located at the centre of the manhole chamber.
- * Grades of pipes are calculated between chamber setout points, using invert levels to the nearest whole centimetre, at the request of the relevant Council.
- * Invert Levels of pipes are measured where the pipe enters the manhole.
- * Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor.
- * PCB invert levels recorded at connection to main sewer line by request of the relevant Council.
- * Endcap/stop positions and Endcap invert levels supplied by Contractor.
- * Selected entities dimensioned off future boundaries for clarity. These boundaries are subject to change.
- * Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

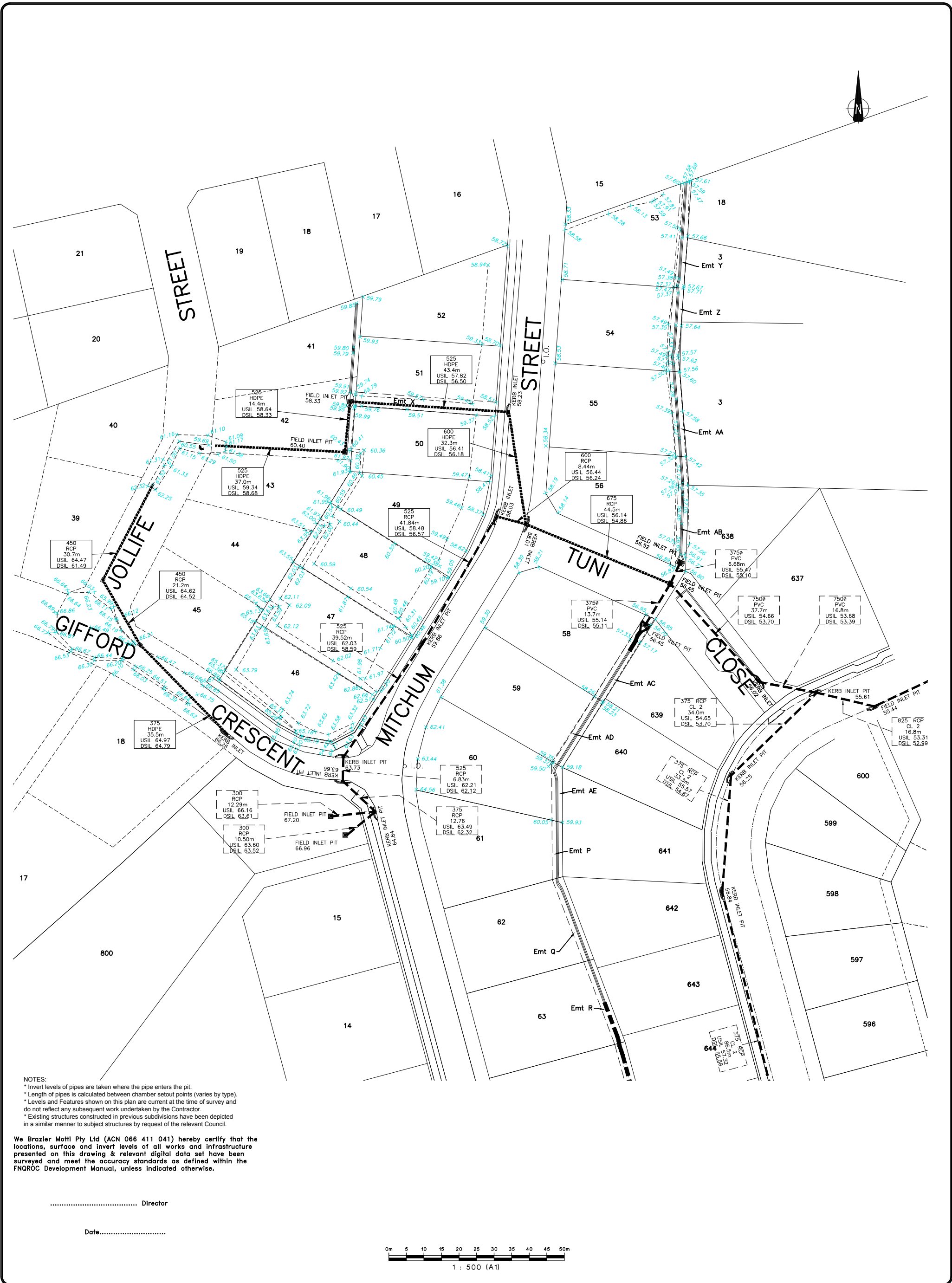
Date.....



REVISIONS				
No.	Date	Details	By	Check
1	17/10/18	Original Issue	MJM	
A	13/11/18	Additional Survey Added	MJM	
B	19/11/18	Tops Sewer M/H's adjusted	MJM	
C	20/11/18	Tops Sewer M/H's adjusted	MJM	
D	20/11/18	Street names amended	MJM	

Client			
SUGARWORLD PTY LTD			
Project			
AS CONSTRUCTED SURVEY OF SEWER RETICULATION SUGARWORLD HEIGHTS - STAGE 3A WISEMAN ROAD WEST, EDMONTON			
Parish of Cairns		County of Nares	
Local Authority	Cairns Regional Council	Original Portion	Orig Por
			Meridian 7.56

Date	19/11/18	Revision No.
Scale	1:500 @ A1	
Job No	30970/148-01	
Sheet 1 of 1		
Drawing No.	30970/307	

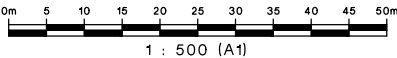


NOTES:
* Invert levels of pipes are taken where the pipe enters the pit.
* Length of pipes is calculated between chamber setout points (varies by type).
* Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor.
* Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

We Brazier Moti Pty Ltd (ACN 066 411 041) hereby certify that the locations, surface and invert levels of all works and infrastructure presented on this drawing & relevant digital data set have been surveyed and meet the accuracy standards as defined within the FNQROC Development Manual, unless indicated otherwise.

..... Director

Date.....



**brazier moti**

surveying | town planning | project management | mapping and GIS

Brazier Moti Pty Ltd (ABN 58 066 411 041)
Cairns - Ground Floor, Woree Plaza, 12-20 Toogood Road, Woree
Postal Address: PO Box 1185, Cairns, Qld 4870
Phone: 07 4033 2577 Fax: 07 4033 2599
email: cairns@braziermoti.com.au

TOWNVILLE
Ph: 07 4772 1144
Fax: 07 4772 2557

MACKAY
Ph: 07 4993 1499
Fax: 07 4993 1938

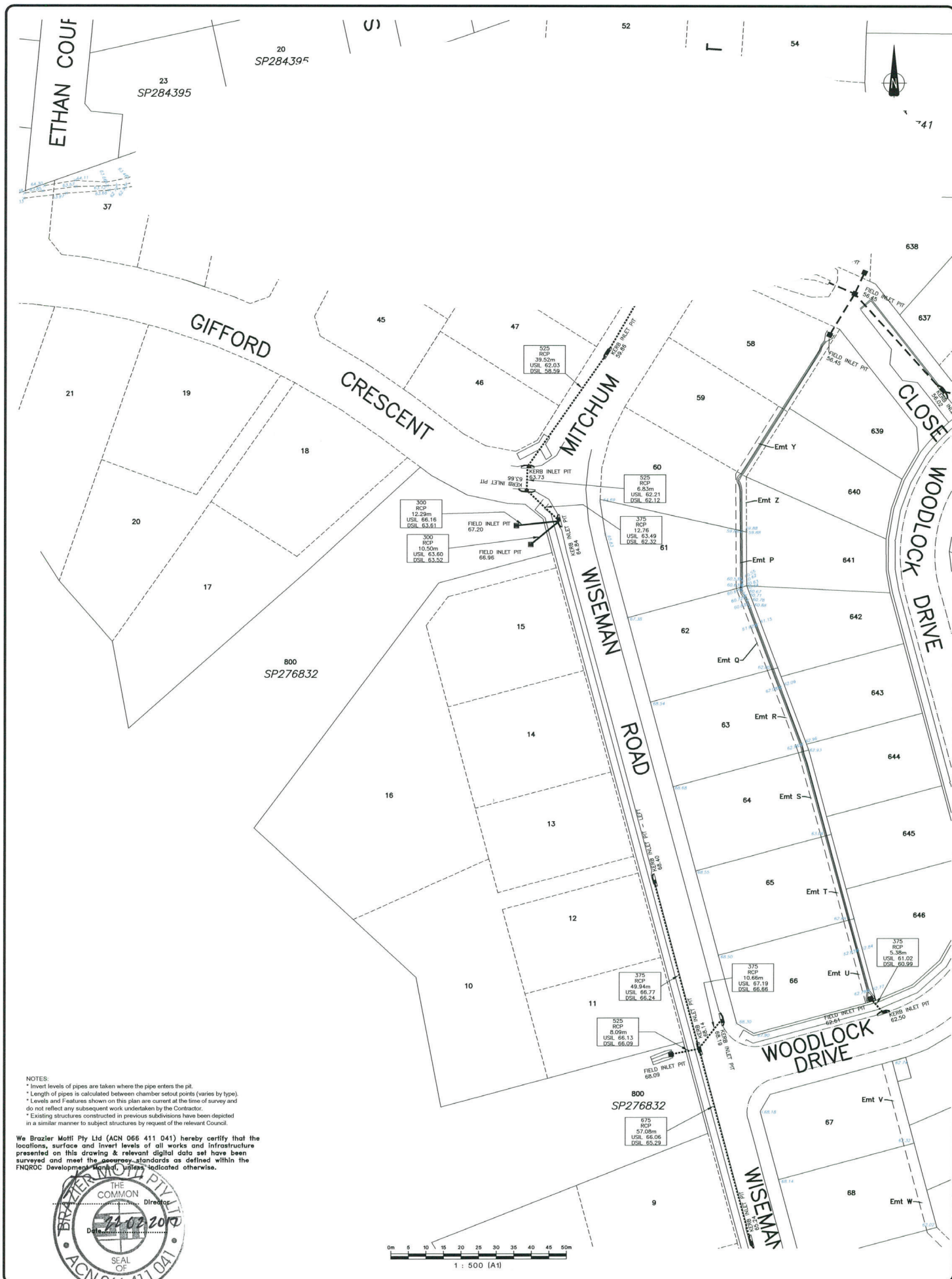
BURDEKIN
Ph: 07 4783 5765
Fax: 07 4783 2480

Origin of Levels	PSM 163214
RL of Origin	42.283m (AHD Der)
Origin of Coord	PSM 163214
Coord of Origin	364072.68 E 8117629.97 N
Data Source File	30970-157-01.dwg
Surveyed	
Map Reference	8063-41142
Approved	

REVISIONS					
No.	Date	Details	By	Check	
1	17/10/18	Original Issue	MJM		
A	13/11/18	Additional Survey Added	MJM		
B	20/11/18	Additional Survey Added	MJM		
C	20/11/18	Street names amended	MJM		

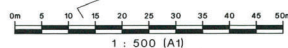
Client	SUGARWORLD PTY LTD	Date	17/10/18
Project	AS CONSTRUCTED SURVEY OF STORMWATER SUGARWORLD HEIGHTS - STAGE 3A WISEMAN ROAD WEST, EDMONTON	Scale	1:500 @ A1
Parish of	Cairns	County of	Nares
Local Authority	Cairns Regional Council	Original Portion	Orig Por
Meridian	M.G.A. Zn 55	Job No	30970/148-01
		Sheet 1 of 1	
		Drawing No.	30970/308
		Revision No.	C





NOTES:
 * Invert levels of pipes are taken where the pipe enters the pit.
 * Length of pipes is calculated between chamber setout points (varies by type).
 * Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor.
 * Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

We Brazier Mott Pty Ltd (ACN 066 411 041) hereby certify that the locations, surface and invert levels of all works and infrastructure presented on this drawing & relevant digital data set have been surveyed and meet the accuracy standards as defined within the FNQROC Development Control Rules indicated otherwise.



brazier mott
 surveying | town planning | project management | mapping and GIS
 Brazer Mott Pty Ltd (ACN 066 411 041)
 Cairns - Ground Floor, Riverside Plaza, 1210 Esplanade, Cairns
 Postal Address: PO Box 1185, Cairns, QLD 4870
 Phone 07 4033 2017 Fax 07 4033 2068
 email: cairns@braziermott.com.au

BRISBANE
 Ph 07 4033 1144 Fax 07 4033 2068

ROCKHAMPTON
 Ph 07 4933 1066 Fax 07 4933 1065

Origin of Levels	PSM 163214
RL of Origin	42.283m (AHD Der)
Origin of Coast	PSM 163214
Coord of Origin	364072.68 E 8117629.97 N
Data Source File	30970-028-01.dwg
Surveyed JFV	
Map Reference	8063-41142
Approved:	

REVISIONS				
No.	Date	Details	By	Check
1	07/07/15	Original Issue	MJM	
A	11/01/17	Amended to Engineer Comments	MJM	

Client: **SUGARWORLD PTY LTD**
 Project: **AS CONSTRUCTED SURVEY OF STORMWATER RETICULATION**
SUGARWORLD HEIGHTS - STAGE 1A
WISEMAN ROAD, EDMONTON
 Parish of Cairns County of Nares
 Local Authority: Cairns Regional Council Original Portion: Orig Plan Meridian: M.G.A. To 55

Date: 07/07/15
 Scale: 1:500 @ A1
 Job No: 30970/28-01
 Sheet 1 of 2
 Drawing No: 30970/279

Approved: [Signature] Date: [Blank]

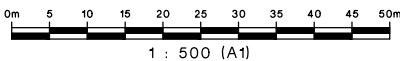


NOTES:
* Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor or others.
* Backfilled service locations provided by Contractor.
* Selected entites dimensioned off future boundaries for clarity. These boundaries are subject to change.
* Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

We Brazier Mottl Pty Ltd (ACN 066 411 041) hereby certify that the locations, surface and invert levels of all works and infrastructure presented on this drawing & relevant digital data set have been surveyed and meet the accuracy standards as defined within the FNQROC Development Manual, unless indicated otherwise.

..... Director

Date.....



surveying | town planning | project management | mapping and GIS

Brazier Mottl Pty Ltd (ABN 58 066 411 041)
Cairns - Ground Floor, Woree Plaza, 12-20 Toogood Road, Woree
Postal Address: PO Box 1185, Cairns, Qld 4870
Phone: 07 4033 2577 Fax: 07 4033 2599
email: cairns@braziermottl.com.au

TOWNVILLE
Ph: 07 4772 1144
Fax: 07 4772 2557

MACKAY
Ph: 07 4953 1499
Fax: 07 4953 1538

BURDEKIN
Ph: 07 4783 5165
Fax: 07 4783 2460

Origin of Levels PSM 163214

RL of Origin 42.283m (AHD Der)

Origin of Coord PSM 163214

Coord of Origin 364072.68 E 8117629.97 N

Data Source File 30970-157-01.dwg

Surveyed

Map Reference 8063-41142

Approved

REVISIONS

No.	Date	Details	By	Check
1	17/10/18	Original Issue	MJM	
A	13/11/18	Additional Survey Added	MJM	
B	20/11/18	Street names amended	MJM	

Client

SUGARWORLD PTY LTD

Project AS CONSTRUCTED SURVEY OF POTABLE WATER RETICULATION

SUGARWORLD HEIGHTS - STAGE 2A

WISEMAN ROAD WEST, EDMONTON

Parish of

Cairns

County of

Nares

Local Authority

Cairns Regional Council

Original Portion

Orig Por

Meridian

M.G.A. Zn 55

Date 17/10/18

Scale 1:500

Job No 30970/158-01

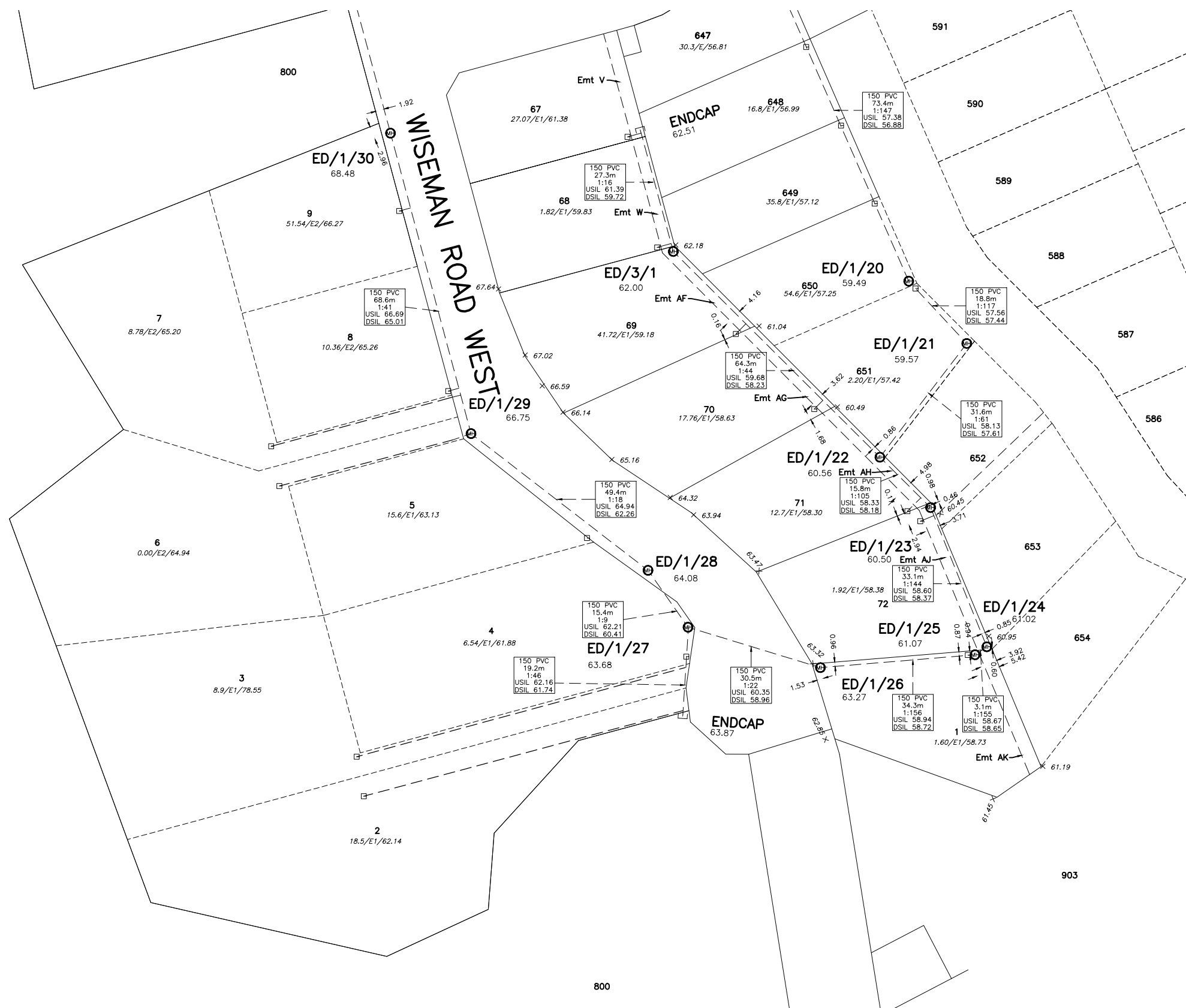
Sheet 1 of 1

Drawing No.

30970/303

Revision No.

B

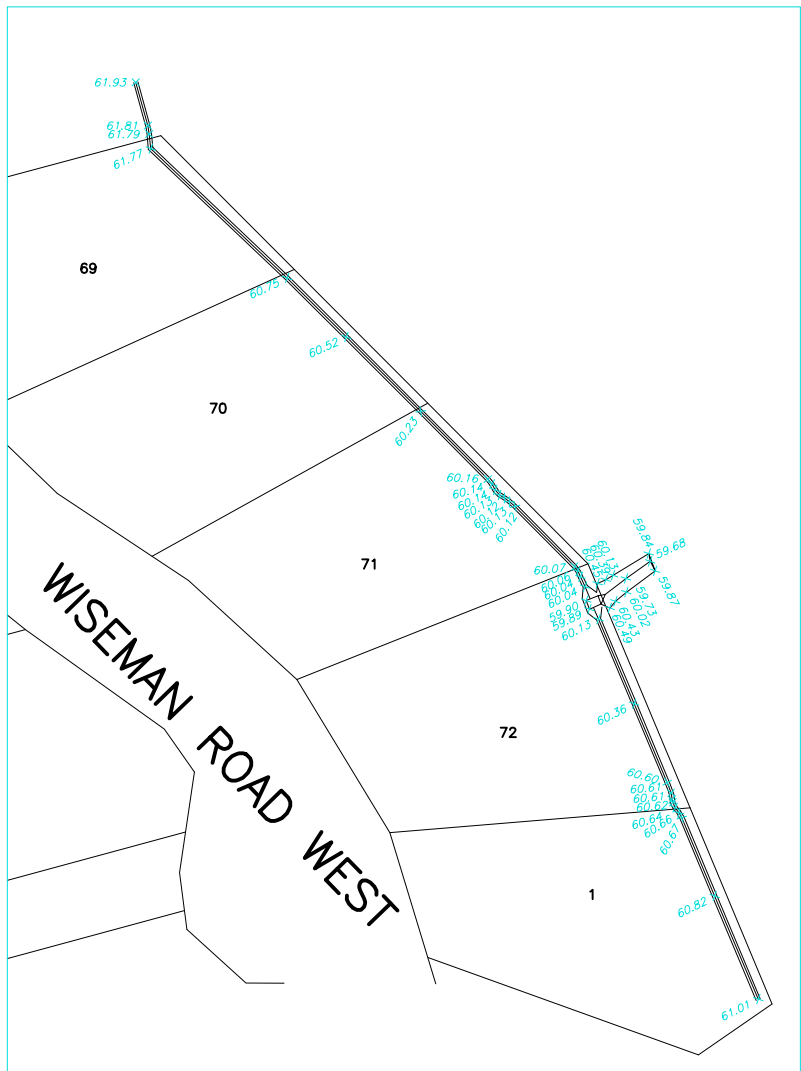
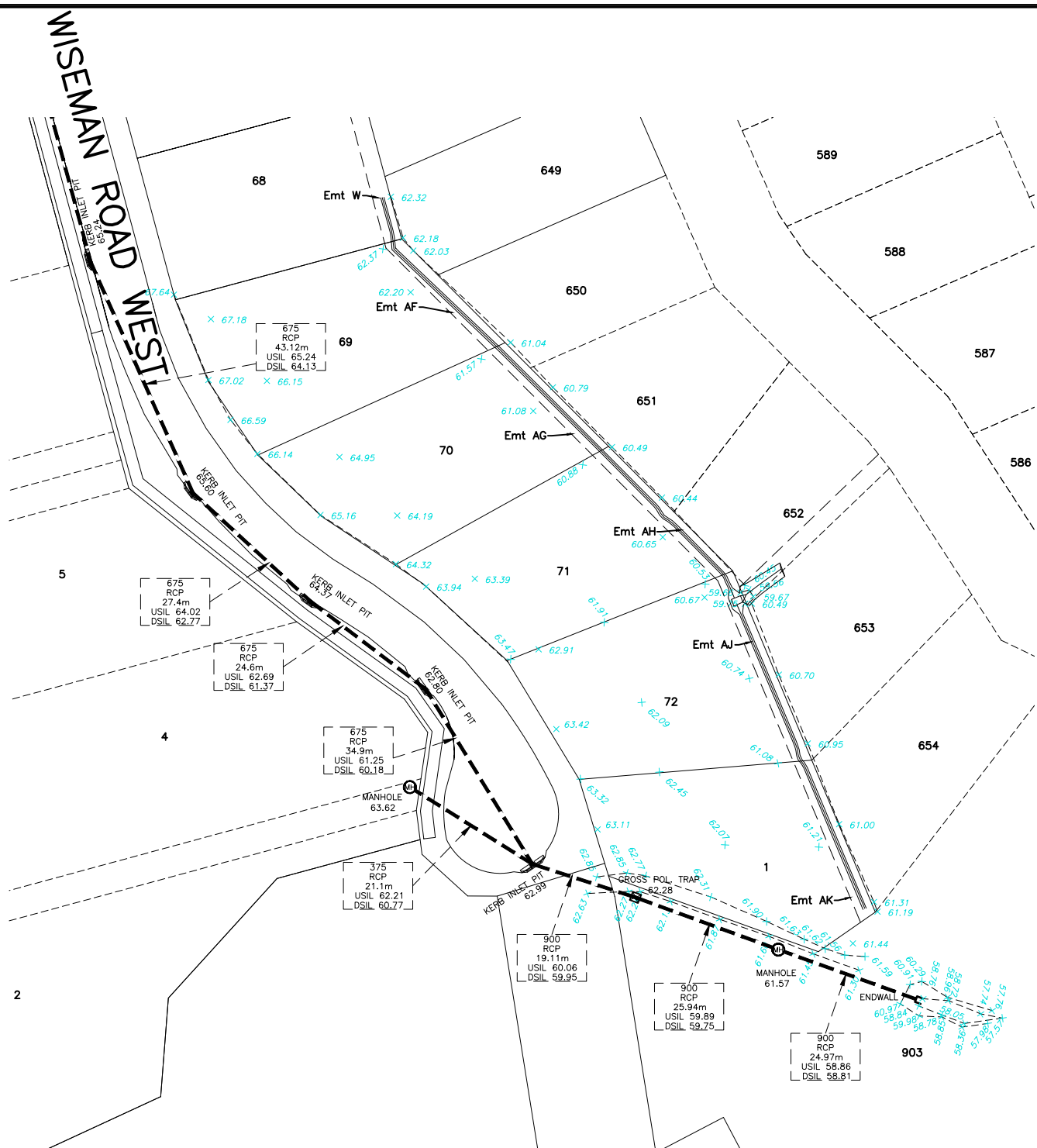


- * Manholes are located at the centre of the manhole chamber
- * Grades of pipes are calculated between chamber setout points, using invert levels to the nearest whole centimetre, at the request of the relevant Council
- * Invert Levels of pipes are measured where the pipe enters the manhole.
- * Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor.
- * PCB invert levels recorded at connection to main sewer line by request of the relevant Council.
- * Endcap/PCB positions and Endcap invert levels supplied by Contractor.
- * Selected entities dimensioned off future boundaries for clarity. These boundaries are subject to change.
- * Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

Date.....



Date	17/10/18	Revision No.
Scale	1:500 @ A1	
Job No	30970/158-01	
Sheet 1 of 1		
Drawing No.	30970/304	



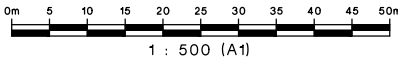
NOTES:
* Invert levels of pipes are taken where the pipe enters the pit.
* Length of pipes is calculated between chamber setout points (varies by type).
* Levels and Features shown on this plan are current at the time of survey and do not reflect any subsequent work undertaken by the Contractor.
* Existing structures constructed in previous subdivisions have been depicted in a similar manner to subject structures by request of the relevant Council.

We Brazier Moti Pty Ltd (ACN 066 411 041) hereby certify that the locations, surface and invert levels of all works and infrastructure presented on this drawing & relevant digital data set have been surveyed and meet the accuracy standards as defined within the FNQROC Development Manual, unless indicated otherwise.

..... Director

Date.....

Drain Invert Levels



surveying | town planning | project management | mapping and GIS

Brazier Moti Pty Ltd (ABN 58 066 411 041)
Cairns - Ground Floor, Woree Plaza, 12-20 Toogood Road, Woree
Postal Address: PO Box 1185, Cairns, Qld 4870
Phone: 07 4033 2577 Fax: 07 4033 2599
email: cairns@braziermoti.com.au

TOWNVILLE
Ph: 07 4772 1144
Fax: 07 4772 2557

MACKAY
Ph: 07 4953 1499
Fax: 07 4953 1538

BURDEKIN
Ph: 07 4783 5165
Fax: 07 4783 2460

Origin of Levels PSM 163214

RL of Origin 42.283m (AHD Der)

Origin of Coord PSM 163214

Coord of Origin 364072.68 E 8117629.97 N

Data Source File 30970-157-01.dwg

Surveyed

Map Reference 8063-41142

Approved

REVISIONS

No.	Date	Details	By	Check
1	17/10/18	Original Issue	MJM	
A	13/11/18	Additional Survey Added	MJM	
B	19/11/18	Additional Stormwater Survey Added	MJM	
C	20/11/18	Street names amended	MJM	

Client

SUGARWORLD PTY LTD

Project

AS CONSTRUCTED SURVEY OF STORMWATER
SUGARWORLD HEIGHTS - STAGE 2A
WISEMAN ROAD WEST, EDMONTON

Parish of

Cairns

Local Authority Cairns Regional Council

County of

Nares

Original Portion

Orig Por

Meridian
M.G.A. Zn 55

Date 17/10/18

Scale 1:500 @ A1

Job No 30970/158-01

Sheet 1 of 1

Drawing No.

30970/305

Revision

No.

C