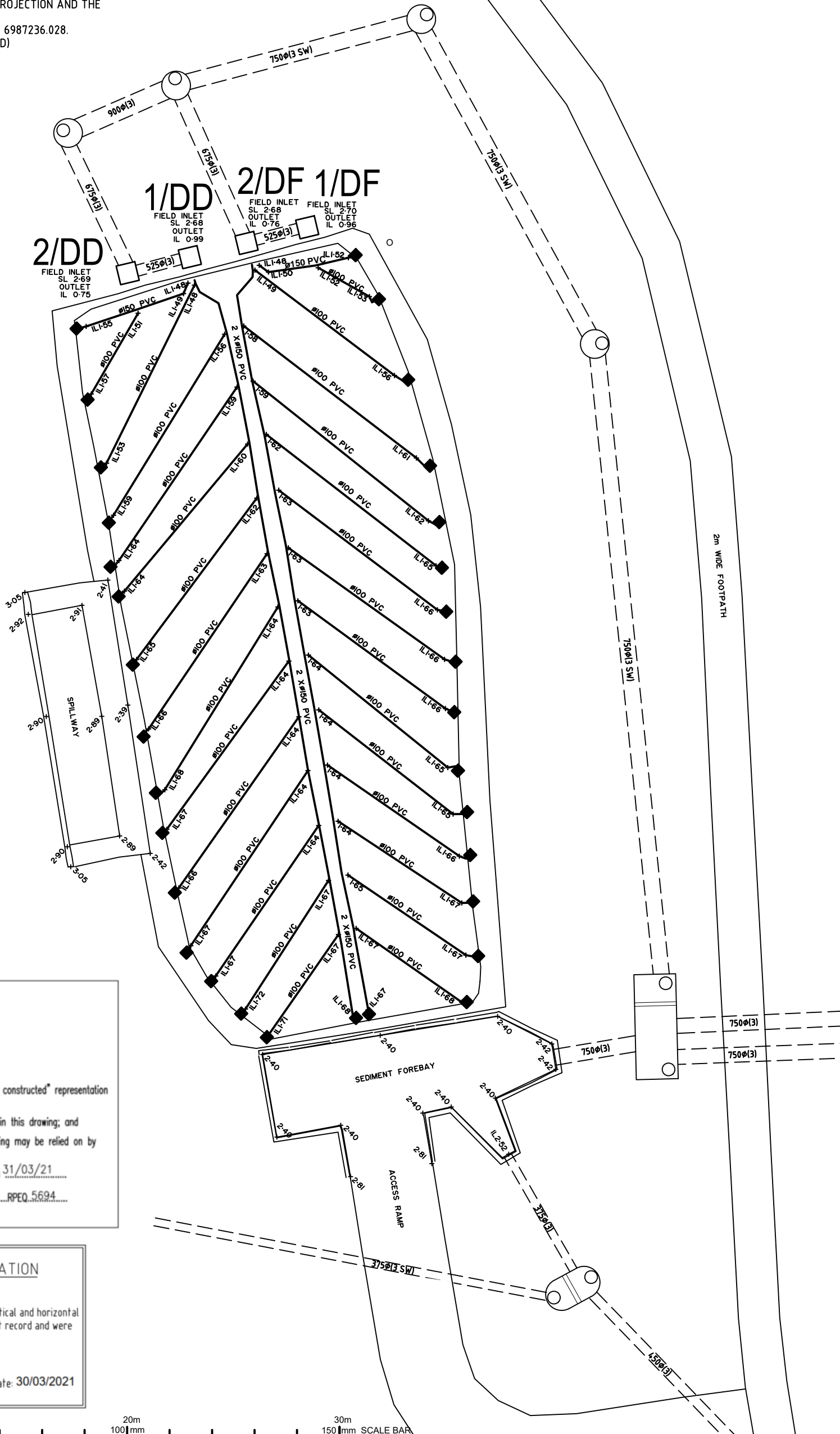


COORDINATE DATUM NOTE:

HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.
 HORIZONTAL DATUM DERIVED FROM PSM186710, E 503315.600, N 6987236.028.
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)
 LEVEL DATUM DERIVED FROM PSM177891 RL 16.396 (AHD)



■ BASIN PIPE FLUSH POINT

ENGINEER'S CERTIFICATION
 I, DARRYL HAYTER
 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 MORETON BAY REGIONAL COUNCIL and others.
 Certification for Stage 21A by D. Hayter on 31/03/21
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS RPE05694

REGISTERED SURVEYOR'S CERTIFICATION
 We, VERIS AUSTRALIA PTY LTD, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
Alistair Byrom
 Delegate Cadastral Surveyor (sig.) Reg. Surveyor No. 6448 Date: 30/03/2021



THESE DESIGNS AND DRAWINGS ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF VERIS

IMPORTANT NOTES:
 (These notes are an integral part of this plan)
 This plan has been prepared for Mango Boulevard Unit Trust for the purposes of showing As Constructed Filter Pipes and Final Surface and Sub-Surface Levels in Bio-Retention Basin. It is not to be used by any other person or corporation or for any other purposes.
 Copyright © Veris Australia Pty Ltd.
 [02/03/2021]

Data Sources	Cadastral Boundaries	30105-21-LC - Rev E
	Contours / Topographic	
	Engineering Design	EMPOWER
Locality:	MANGO HILL	
Local Authority:	MORTON BAY REGIONAL	
Horizontal Meridian:	MGA56	
Vertical Level Datum:	AHD	
Level Origin:	PSM177891 RL 16.396	
Scale:	1:200 @ A3	
Surveyed:	LS	
Designed:	EMPOWER	
Drawn:	JMc	
Checked:	*	

As Constructed Bio-Retention Basin E2 Filter Pipes & Invert Levels

Plot Date: 10 Mar, 2021
 Computer File Ref: 430105-21A-BIO-E2 (A).dwg

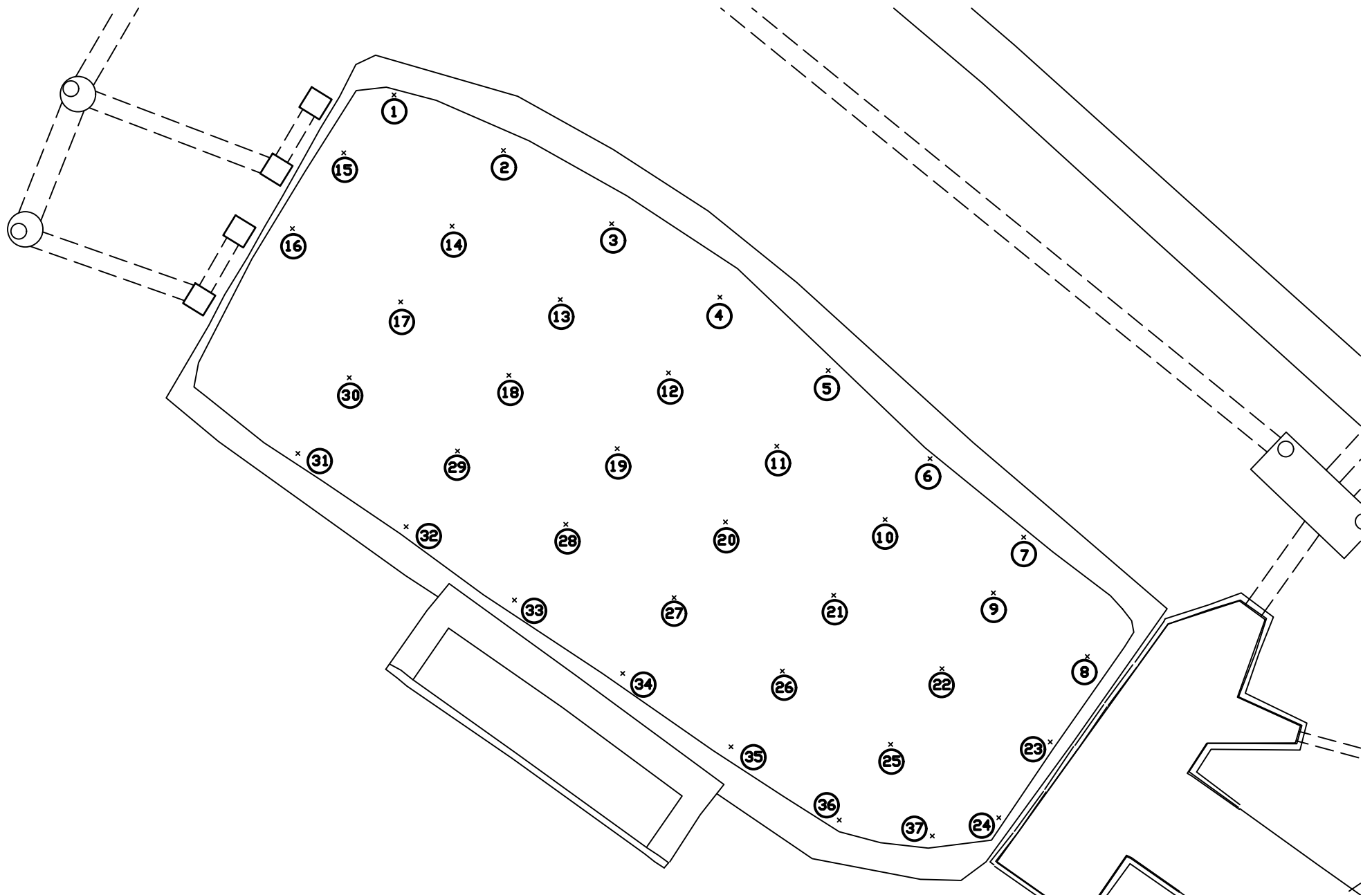
STAGE 21A CAPESTONE ESTATE
CAPESTONE BLDE MANGO HILL
 for
Mango Boulevard Unit Trust

SHEET 1 OF 2

BRISBANE (07) 3666 4700 WHITSUNDAYS (07) 4945 6600
 MACKAY (07) 49579700 CAIRNS (07) 4052 9400
 veris.com.au
 ACN 615 735 727
 Veris Australia Pty Ltd

Drawing No 430105-21A-BIO-E2 Issue A





Bio-Basin E1 Sub Surface Levels					
Point	Base RL (m)	Gravel RL(m)	Depth (m)	Loam RL(m)	Depth (m)
1	1.439	1.89	0.451	2.405	0.515
2	1.499	1.912	0.413	2.388	0.476
3	1.494	1.895	0.401	2.39	0.495
4	1.502	1.906	0.404	2.407	0.501
5	1.511	1.9	0.389	2.414	0.514
6	1.505	1.893	0.388	2.379	0.486
7	1.505	1.916	0.411	2.398	0.482
8	1.505	1.892	0.387	2.386	0.494
9	1.519	1.911	0.392	2.384	0.473
10	1.503	1.908	0.405	2.381	0.473
11	1.503	1.918	0.415	2.411	0.493
12	1.518	1.918	0.4	2.405	0.487
13	1.515	1.902	0.387	2.403	0.501
14	1.5	1.893	0.393	2.4	0.507
15	1.442	1.896	0.454	2.399	0.503
16	1.439	1.883	0.444	2.387	0.504
17	1.5	1.897	0.397	2.395	0.498
18	1.505	1.896	0.391	2.398	0.502
19	1.507	1.915	0.408	2.419	0.504
20	1.507	1.907	0.4	2.412	0.505
21	1.5	1.898	0.398	2.379	0.481
22	1.496	1.897	0.401	2.4	0.503
23	1.506	1.881	0.375	2.373	0.492
24	1.514	1.887	0.373	2.379	0.492
25	1.504	1.902	0.398	2.386	0.484
26	1.499	1.897	0.398	2.39	0.493
27	1.501	1.912	0.411	2.41	0.498
28	1.503	1.898	0.395	2.416	0.518
29	1.504	1.894	0.39	2.404	0.51
30	1.49	1.896	0.406	2.378	0.482
31	1.496	1.904	0.408	2.41	0.506
32	1.52	1.9	0.38	2.407	0.507
33	1.5	1.904	0.404	2.399	0.495
34	1.514	1.903	0.389	2.415	0.512
35	1.504	1.909	0.405	2.409	0.5
36	1.514	1.898	0.384	2.384	0.486
37	1.521	1.894	0.373	2.375	0.481

ENGINEER'S CERTIFICATION

I, DARRYL HAYTER
 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 MORETON BAY REGIONAL COUNCIL and others.
 Certification for Stage 21A by [Signature] on 31/03/21
 For: EMPOWER ENGINEERS AND PROJECT MANAGERS RPEQ 5694

REGISTERED SURVEYOR'S CERTIFICATION

We, VERIS AUSTRALIA PTY LTD, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
Alistair Byrom
 Delegate Cadastral Surveyor (sig.) Reg. Surveyor No. 6448 Date: 30/03/2021

COORDINATE DATUM NOTE:

HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.
 HORIZONTAL DATUM DERIVED FROM PSM186710, E 503315.600, N 6987236.028.
 LEVELS SUPPLIED ARE ON THE AUSTRALIAN HEIGHT DATUM(AHD)
 LEVEL DATUM DERIVED FROM PSM177891 RL 16.396 (AHD)



0 10m 50mm 20m 100mm 30m 150mm SCALE BAR

THESE DESIGNS AND DRAWINGS ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF VERIS

IMPORTANT NOTES:

(These notes are an integral part of this plan)
 This plan has been prepared for Mango Boulevard Unit Trust for the purposes of showing As Constructed Filter Pipes and Final Surface and Sub-Surface Levels in Bio-Retention Basin. It is not to be used by any other person or corporation or for any other purposes.

Copyright © Veris Australia Pty Ltd.
 [02/03/2021]

Data Sources	30105-21-LC - Rev E
Cadastral Boundaries	
Contours / Topographic	
Engineering Design	EMPOWER
Locality:	MANGO HILL
Local Authority:	MORTON BAY REGIONAL
Horizontal Meridian:	MGA56
Vertical Level Datum:	AHD
Level Origin:	PSM177891 RL 16.396
Scale:	1:100 @ A3
Surveyed:	LS
Designed:	EMPOWER
Drawn:	JMc
Checked:	*

**As Constructed
 Bio-Retention
 Basin E2
 Sub-Surface Levels
 (See Table)**

**STAGE 21A
 CAPESTONE ESTATE
 CAPESTONE BLDE
 MANGO HILL
 for
 Mango Boulevard
 Unit Trust**



BRISBANE (07) 3666 4700 WHITSUNDAYS (07) 4945 6600
 MACKAY (07) 49579700 CAIRNS (07) 4652 9400
 veris.com.au
 ACN 615 735 727
 Veris Australia Pty Ltd

Plot Date: 10 Mar, 2021
 Computer File Ref: 430105-21A-BIO-E2 (A).dwg

SHEET 2 OF 2

Drawing No Issue
430105-21A-BIO-E2 A

