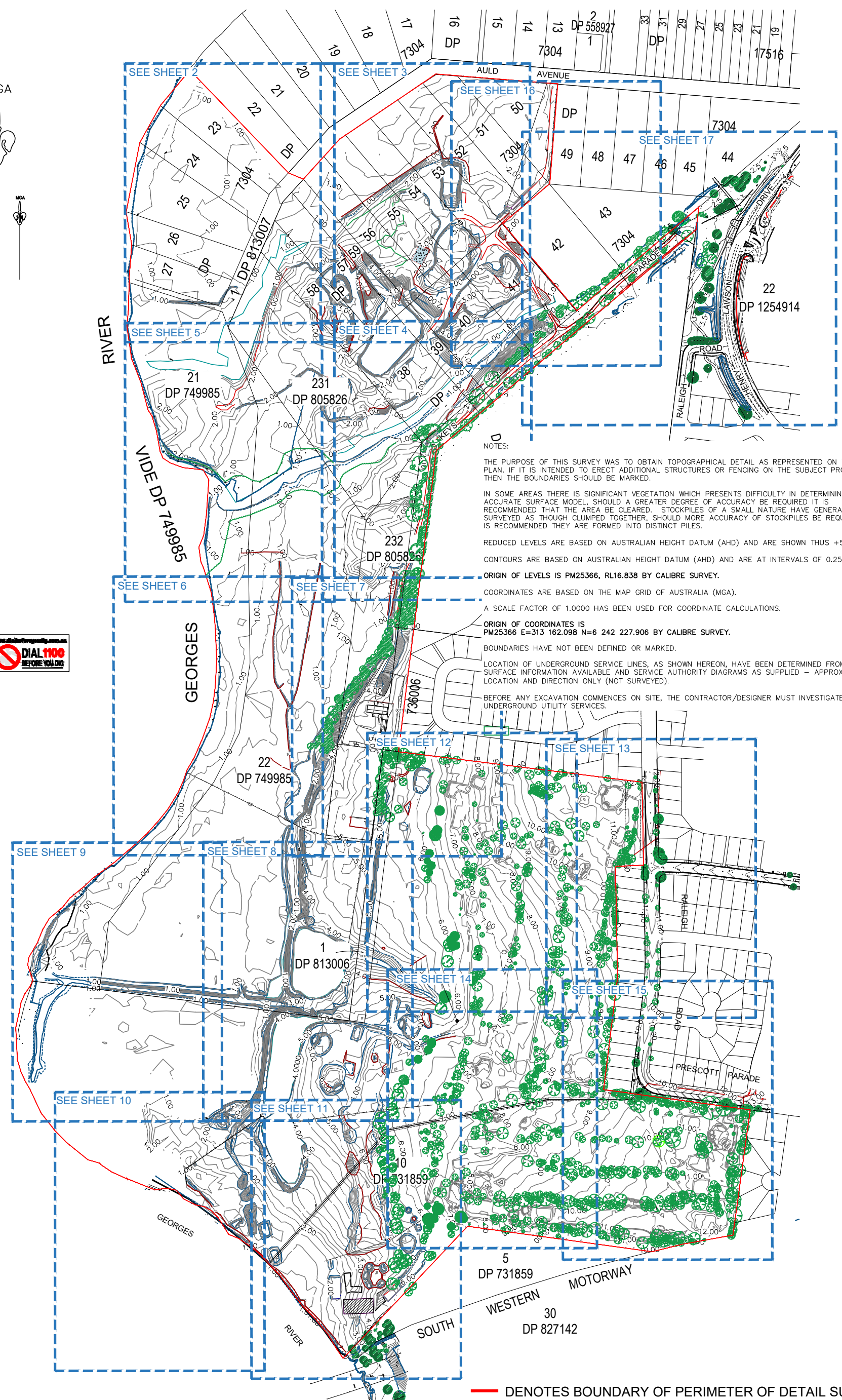
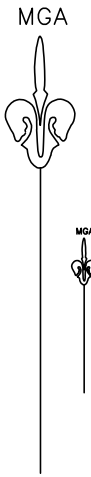




NOTES:

THE PURPOSE OF THIS SURVEY WAS TO OBTAIN TOPOGRAPHICAL DETAIL AS REPRESENTED ON THIS PLAN. IF IT IS INTENDED TO ERECT ADDITIONAL STRUCTURES OR FENCING ON THE SUBJECT PROPERTY, THEN THE BOUNDARIES SHOULD BE MARKED.

IN SOME AREAS THERE IS SIGNIFICANT VEGETATION WHICH PRESENTS DIFFICULTY IN DETERMINING AN ACCURATE SURFACE MODEL, SHOULD A GREATER DEGREE OF ACCURACY BE REQUIRED IT IS RECOMMENDED THAT THE AREA BE CLEARED. STOCKPILES OF A SMALL NATURE HAVE GENERALLY BEEN SURVEYED AS THOUGH CLUMPED TOGETHER, SHOULD MORE ACCURACY OF STOCKPILES BE REQUIRED IT IS RECOMMENDED THEY ARE FORMED INTO DISTINCT PILES.

REDUCED LEVELS ARE BASED ON AUSTRALIAN HEIGHT DATUM (AHD) AND ARE SHOWN THUS +55.55.

CONTOURS ARE BASED ON AUSTRALIAN HEIGHT DATUM (AHD) AND ARE AT INTERVALS OF 0.25 METRES.

ORIGIN OF LEVELS IS PM25366, RL16.838 BY CALIBRE SURVEY.

COORDINATES ARE BASED ON THE MAP GRID OF AUSTRALIA (MGA).

A SCALE FACTOR OF 1.0000 HAS BEEN USED FOR COORDINATE CALCULATIONS.

ORIGIN OF COORDINATES IS PM25366 E=313 162.098 N=6 242 227.906 BY CALIBRE SURVEY.

BOUNDARIES HAVE NOT BEEN DEFINED OR MARKED.

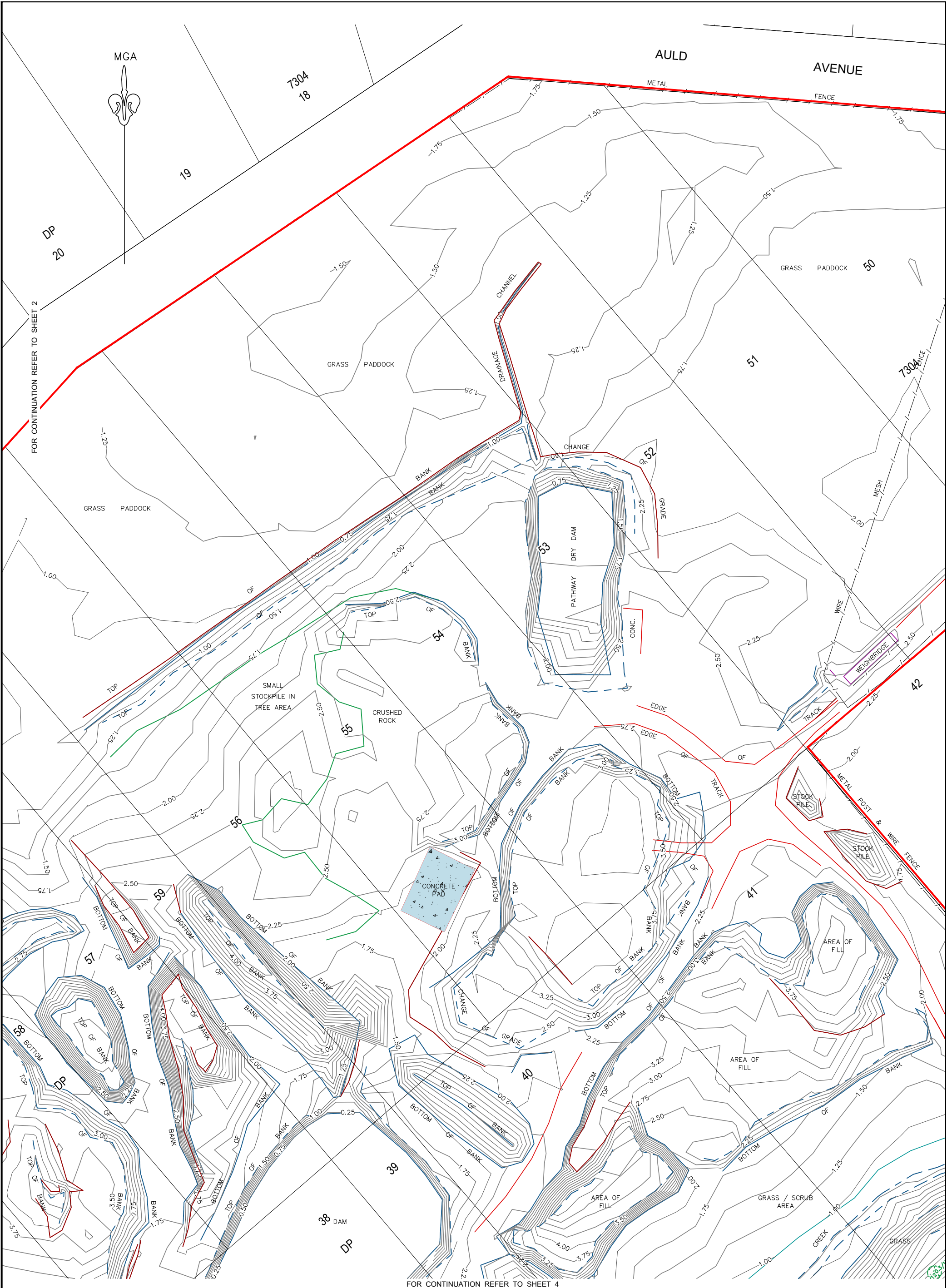
LOCATION OF UNDERGROUND SERVICE LINES, AS SHOWN HEREON, HAVE BEEN DETERMINED FROM VISIBLE SURFACE INFORMATION AVAILABLE AND SERVICE AUTHORITY DIAGRAMS AS SUPPLIED - APPROXIMATE LOCATION AND DIRECTION ONLY (NOT SURVEYED).

BEFORE ANY EXCAVATION COMMENCES ON SITE, THE CONTRACTOR/DESIGNER MUST INVESTIGATE UNDERGROUND UTILITY SERVICES.

— DENOTES BOUNDARY OF PERIMETER OF DETAIL SURVEY

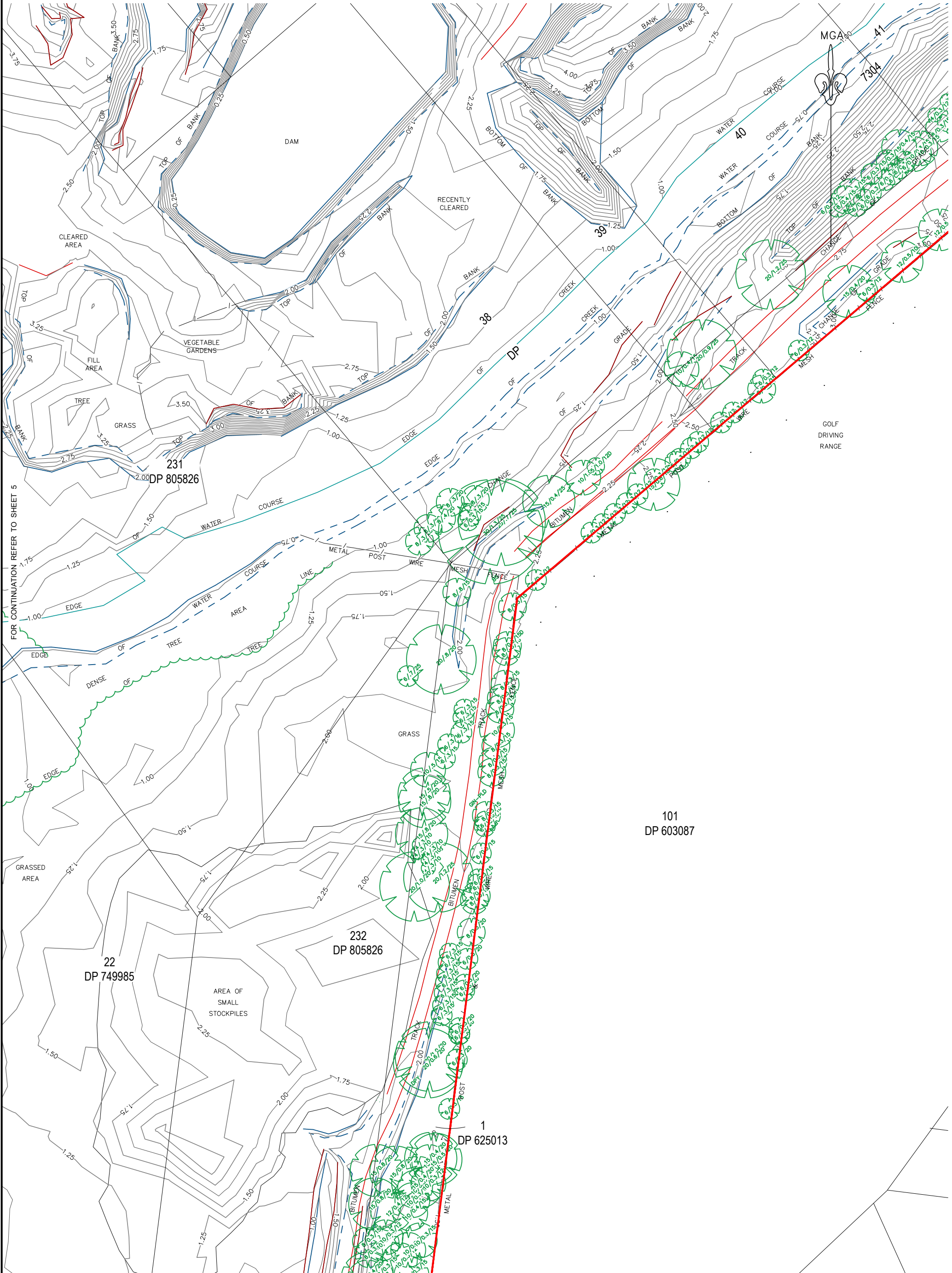
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2	JA	PW	DJH	DJH	19/01/2021						
										0 250 500 750 1000 1250 1500 1750 2000 SCALE 1:25000 (A1) SCALE 1:50000 (A3)	
										PROJECT No. 18-001054 SU DRAWING No. 01 OF 22 STAGE REVISION 2	



A M E D I U M D E T A I L S	DESIGN					DRAWN					CHECK					APPD.					DATE									
	0					GW					PW					DJH					DJH					07/01/2020				
	1					GW					PW					DJH					DJH					07/01/2020				
	2					GW					PW					DJH					DJH					05/02/2020				
						JA					PW					DJH					DJH					19/01/2021				

FOR CONTINUATION REFER TO SHEET 3



FOR CONTINUATION REFER TO SHEET 5

FOR CONTINUATION REFER TO SHEET 7

FILE:J:\STONAS\PROJECTS\18-001054\SU\11 SURVEYDRAWINGS - INTERNALS\REV\DETAIL SURVEYS\18-001054\SU\DETAIL SURVEYS PAGE1-16 REV2.DWG LAST SAVED BY:FWU

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1	GW	PW	DJH	DJH	05/02/2020
2	JA	PW	DJH	DJH	19/01/2021

CLIENT:

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SIGN:

DATE: 19/01/2021

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PROJECT

RIVERLANDS SITE MILPERRA

DRAWING TITLE

DETAIL SURVEY

SCALE

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SCALE 1:500 (A1)

SCALE 1:1000 (A3)

PROJECT No.

18-001054 SU

DRAWING No.

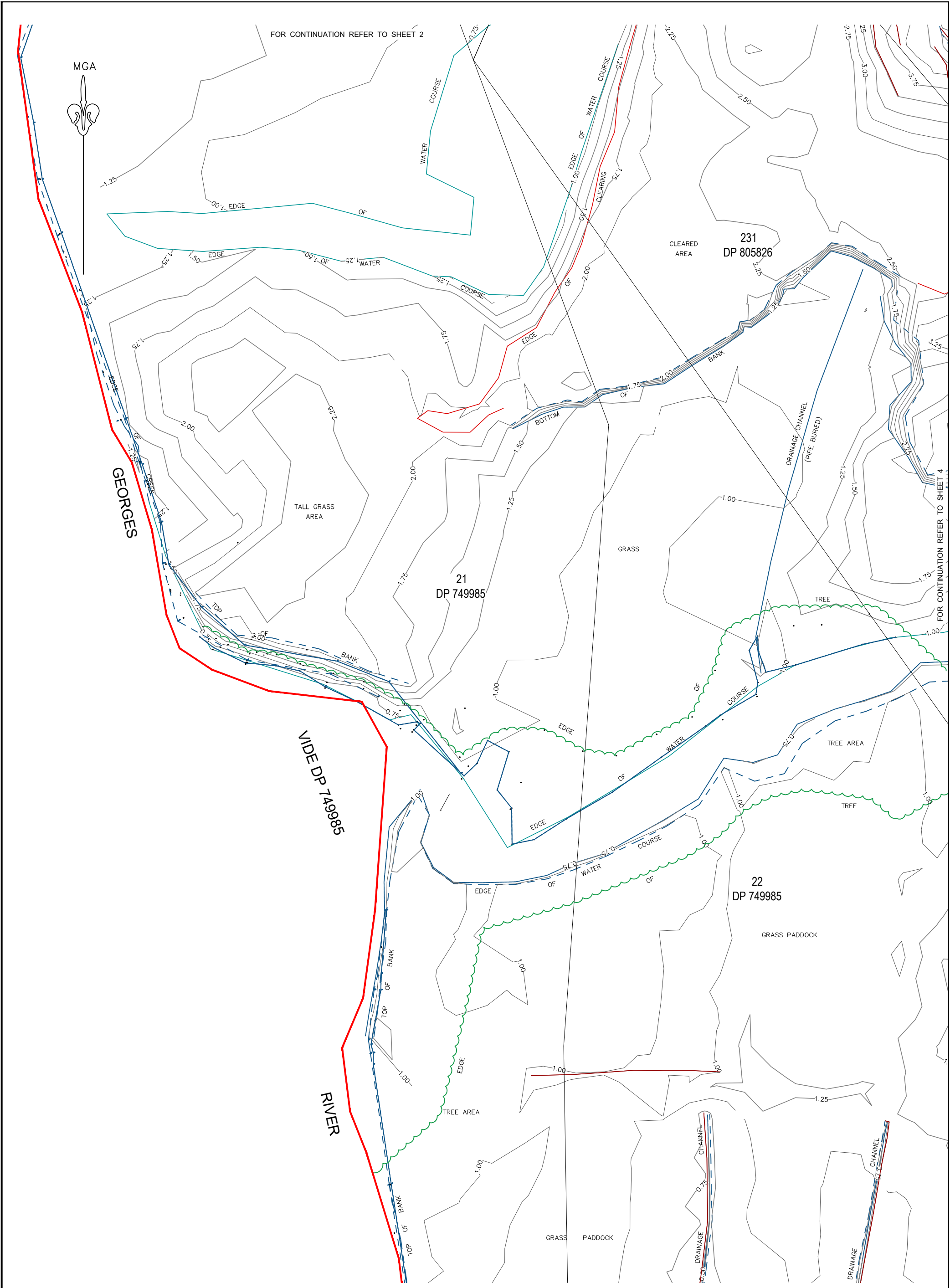
04 OF 22

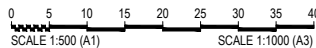
STAGE

REVISION

2

FILE:J:\STONAS\PROJECTS\18-001054\SU11 SURVEY\DRAWINGS - INTERNAL\SU\REV\DETAIL SURVEYS\PAGE1-16 REV2.DWG LAST SAVED BY FENG WU



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						Registered Surveyor (No.1208)				STAGE			
						DATE: 19/01/2021				REVISION			
										18-001054 SU 05 OF 22			
										2			



FOR CONTINUATION REFER TO SHEET 5

RIVER

VIDE DP 749985

GEORGES

21
DP

22
749985

FOR CONTINUATION REFER TO SHEET 7

FOR CONTINUATION REFER TO SHEET 9

FOR CONTINUATION REFER TO SHEET 8

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE
0	GW	PW	DJH	DJH	07/01/2020
1	GW	PW	DJH	DJH	07/01/2020
2	JA	PW	DJH	DJH	05/02/2020
					19/01/2021

CLIENT:

AUTHORISED FOR ISSUE:

BY: DANIEL JAMES HANNIGAN
Registered Surveyor (No.1208)

SIGN:

DATE: 19/01/2021

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PROJECT

RIVERLANDS SITE MILPERRA

DRAWING TITLE

DETAIL SURVEY

SCALE

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SCALE 1:500 (A1)

SCALE 1:1000 (A3)

PROJECT No.

18-001054 SU

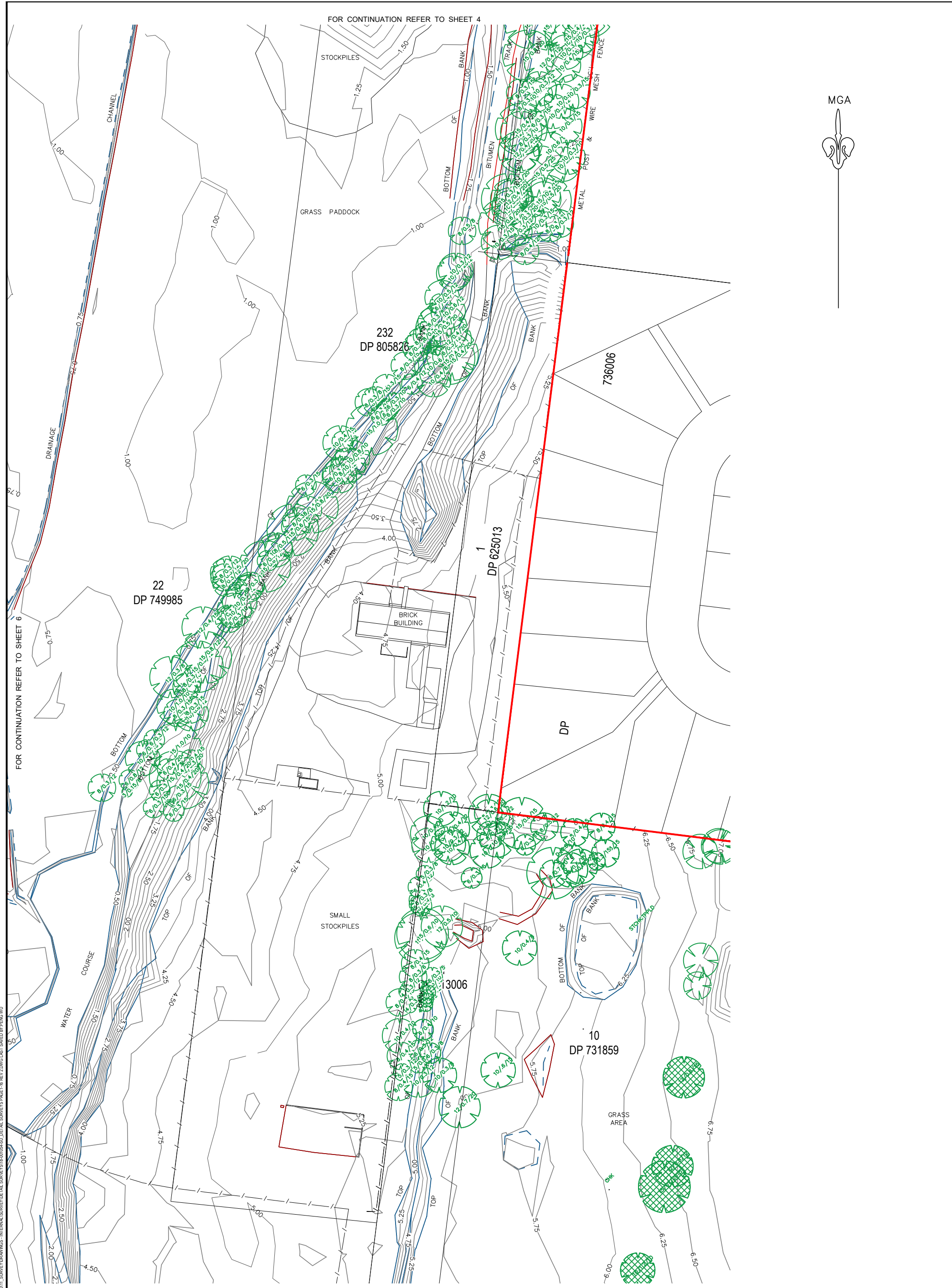
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06 OF 22

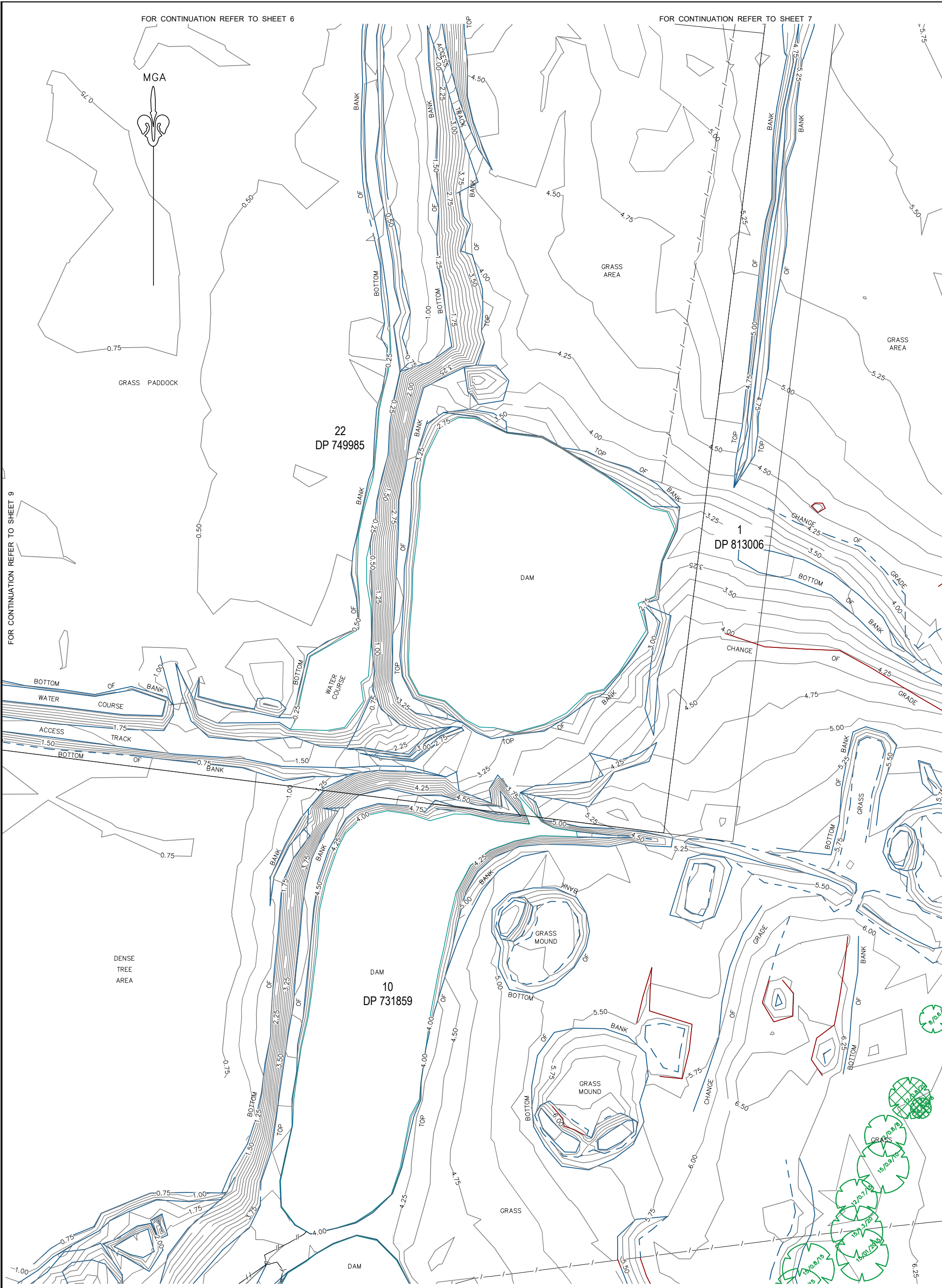
STAGE

REVISION

2



FOR CONTINUATION REFER TO SHEET 4						FOR CONTINUATION REFER TO SHEET 8					
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2 GW PW DJH DJH 05/02/2020						BY: DANIEL JAMES HANNIGAN SIGN:					
3 JA PW DJH DJH 19/01/2021						Registered Surveyor (No.1208)					
						DATE: 19/01/2021					
						© 2021 calibregroup.com					
						PROJECT RIVERLANDS SITE MILPERRA					
						DRAWING TITLE DETAIL SURVEY					
						SCALE 0 5 10 15 20 25 30 35 40 SCALE 1:500 (A1) SCALE 1:1000 (A3)					
						PROJECT No. 18-001054 SU DRAWING No. 07 OF 22 STAGE REVISION 2					



FOR CONTINUATION REFER TO SHEET 10

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPRO.	DATE
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					19/01/2021

FOR CONTINUATION REFER TO SHEET 11

PROJECT	DRAWING TITLE
RIVERLANDS SITE MILPERRA	DETAIL SURVEY

CLIENT:

AUTHORISED FOR ISSUE:
BY: DANIEL JAMES HANNIGAN
Registered Surveyor (No. 1208)
DATE: 19/01/2021

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SCALE
0 5 10 15 20 25 30 35 40
SCALE 1:500 (A1)
SCALE 1:1000 (A3)

PROJECT No. 18-001054 SU
DRAWING No. 08 OF 22
STAGE
REVISION
2



RIVER

VIDE DP 749985

GEORGES

GRASS PADDOCK

22
DP 749985

10
DP 731859

DENSE VEGETATION

AREA
OF DENSE
MANGROVES

FOR CONTINUATION REFER TO SHEET 6

FOR CONTINUATION REFER TO SHEET 8

FOR CONTINUATION REFER TO SHEET 10

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPRO.	DATE
0	GW	PW	DJH	DJH	07/01/2020
1	GW	PW	DJH	DJH	07/01/2020
2	JA	PW	DJH	DJH	19/01/2021

AUTHORISED FOR ISSUE:
BY: DANIEL JAMES HANNIGAN
Registered Surveyor (No.1208)

SIGN:

DATE: 19/01/2021

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PROJECT
RIVERLANDS SITE MILPERRA

DRAWING TITLE
DETAIL SURVEY

SCALE
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SCALE 1:500 (A1) SCALE 1:1000 (A3)

PROJECT No. 18-001054 SU
DRAWING No. 09 OF 22
STAGE
REVISION 2

FOR CONTINUATION REFER TO SHEET 9

FOR CONTINUATION REFER TO SHEET 8

MGA



MANGROVE
AREA

DENSE
TREE
AREA

GEORGES

VIDE DP 749985

10
DP 731859

RIVER

FOR CONTINUATION REFER TO SHEET 11

F:\18-001054\PROJECTS\18-001054\SU\11 SURVEY\DRAWINGS - INTERNALS\REV\DETAIL SURVEYS\18-001054\SU\DETAIL SURVEYS PAGE 18 REV 2.DWG LAST SAVED BY FENG WU

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					19/01/2021

AUTHORISED FOR ISSUE:
BY: DANIEL JAMES HANNIGAN
Registered Surveyor (No.1208)

SIGN:

DATE: 19/01/2021

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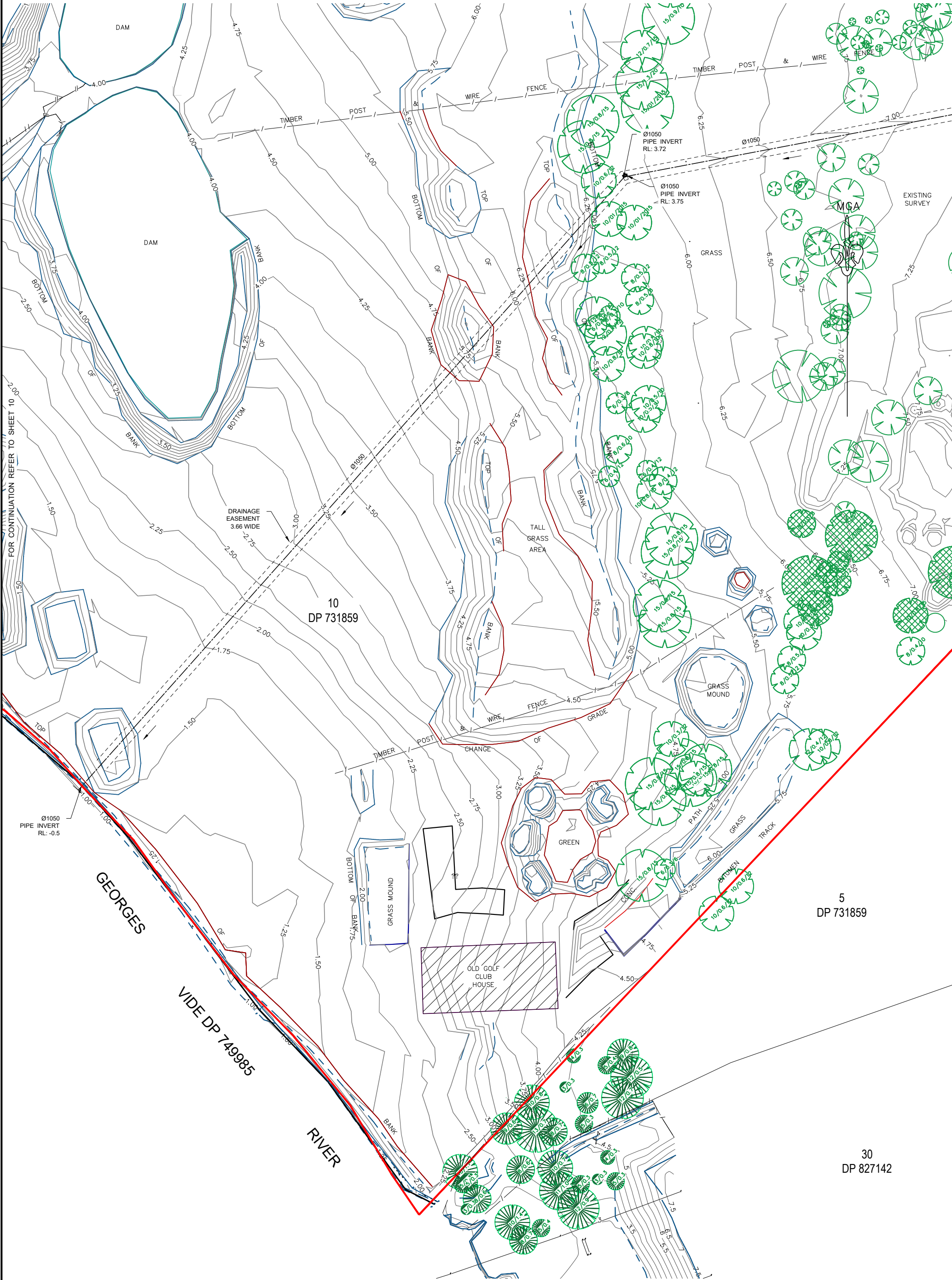
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DRAWING TITLE
DETAIL SURVEY

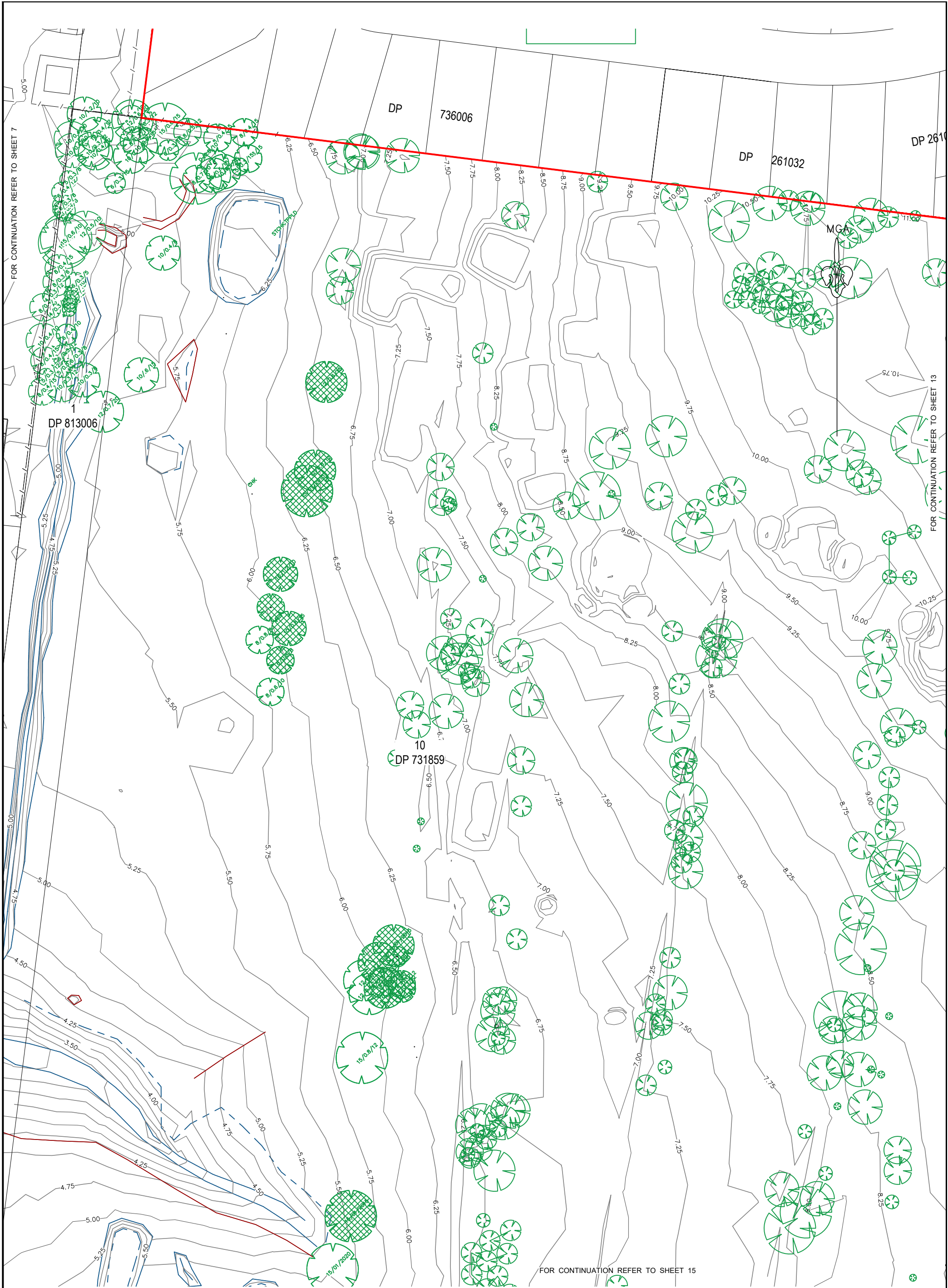
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PROJECT No. 18-001054 SU
DRAWING No. 10 OF 22
STAGE
REVISION
2

FOR CONTINUATION REFER TO SHEET 8



FIRST ISSUE						CLIENT		PROJECT		SCALE			
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										STAGE REVISION			
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						Registered Surveyor (No.1208)				PROJECT No. 18-001054 SU			
						DATE: 19/01/2021		© 2021 calibregroup.com		DRAWING No. 12 OF 22			
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FILE: \\STONAS\PROJECTS\18-001054\SU11 SURVEY DRAWINGS - INTERNAL\SURVEY\DETAIL SURVEYS\18-001054\SU11 DETAIL SURVEYS PAGE 18 REV 2.DWG LAST SAVED BY FENG WU

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPRO.	DATE
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	JA	PW	DJH	DJH	19/01/2021

CLIENT:

AUTHORISED FOR ISSUE:

BY: DANIEL JAMES HANNIGAN

Registered Surveyor (No.1208)

DATE: 19/01/2021

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PROJECT

RIVERLANDS SITE MILPERRA

DRAWING TITLE

DETAIL SURVEY

SCALE

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SCALE 1:500 (A1)

SCALE 1:1000 (A3)

PROJECT No.

18-001054 SU

DRAWING No.

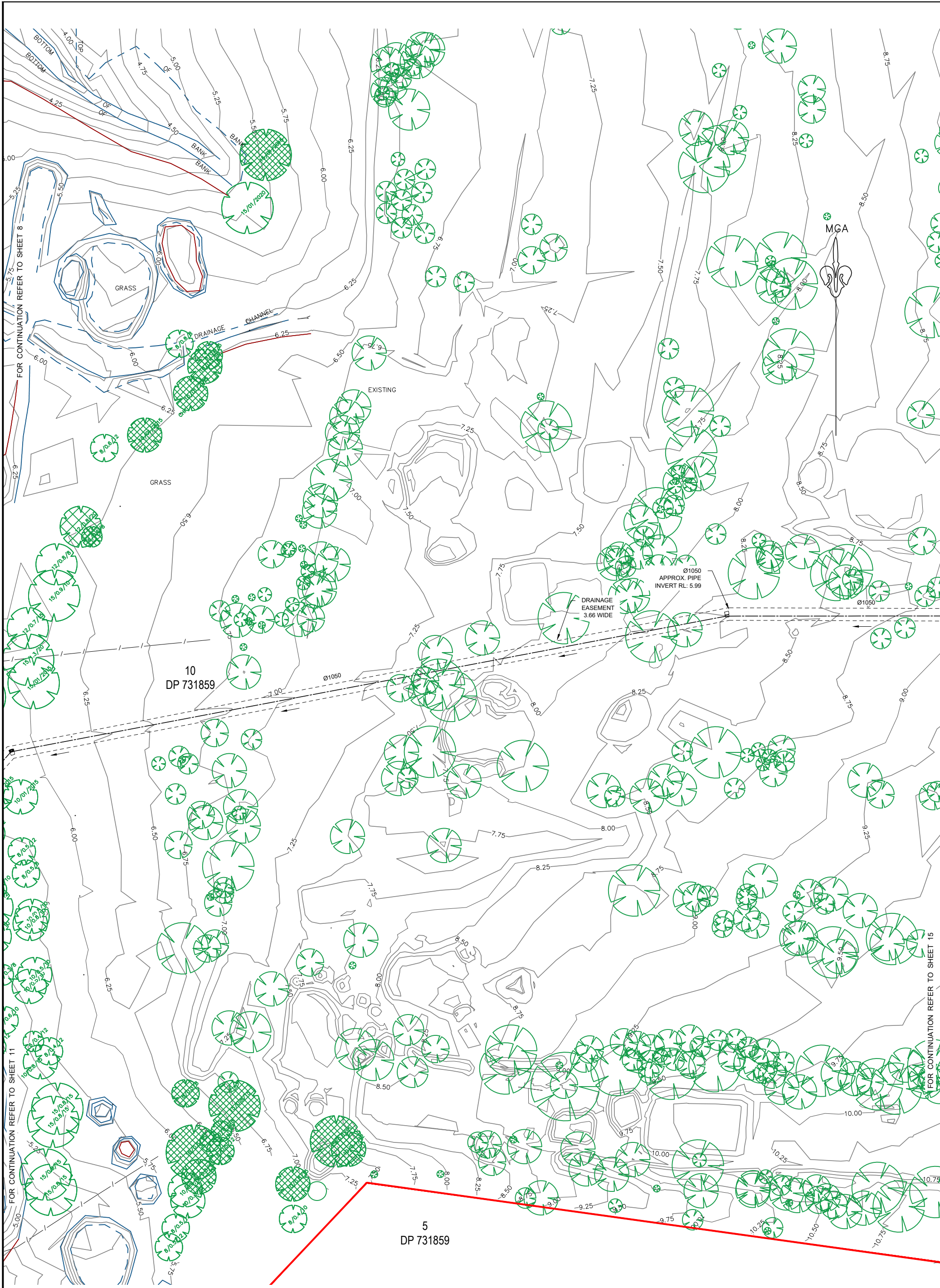
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STAGE

2

REVISION

2

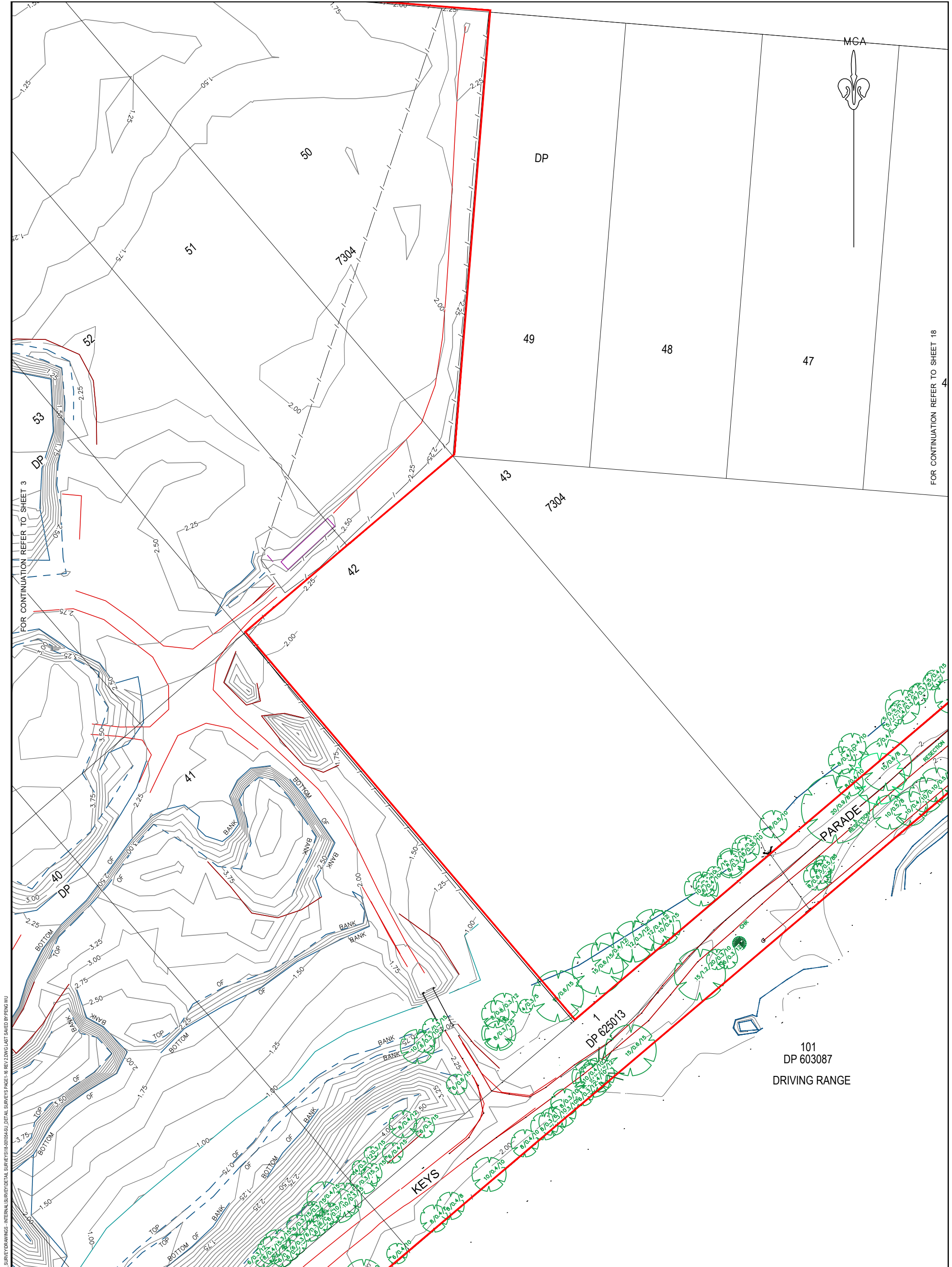


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										PROJECT No. 18-001054 SU			
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										2			



FOR CONTINUATION REFER TO SHEET 14						CLIENT:		PROJECT:		SCALE:	
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						calibre		DRAWING TITLE		SCALE 1:500 (A1)	
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						BY: DANIEL JAMES HANNIGAN				PROJECT No.	
						Registered Surveyor (No.1208)				DRAWING No.	
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										15 OF 22	
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2	JA	PW	DJH	DJH	05/02/2020
					19/01/2021

18-001054 SU 16 OF 22

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Registered Surveyor (No.1208)

DATE: 19/01/2021

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PROJECT
RIVERLANDS SITE MILPERRA

DRAWING TITLE
DETAIL SURVEY

SCALE
0 250 500 750 1000 1250 1500 1750 2000
SCALE 1:25000 (A1) SCALE 1:50000 (A3)

PROJECT No. 18-001054 SU
DRAWING No. 16 OF 22
STAGE
REVISION
2

FOR CONTINUATION REFER TO SHEET 4

FOR CONTINUATION REFER TO SHEET 18

NOTES

The levels and details on this plan have been determined by trigonometrical heighting methods and are within the general accepted accuracies for such surveys. All set out levels must be referred to the bench mark.

Bearings and Distances are by title plan only and are subject to Final Survey. Except where shown by dimension, the relationship of improvements to boundaries is diagrammatic only. The true positions are subject to Final Survey.

Tree sizes are estimates and indicative only.

Services and utilities shown have been located by physical evidence and/or by reference to service plans from the relevant authorities. Pits may not have been opened to verify the type of utility. Excavation has not been carried out to confirm underground location. Service details should be confirmed with the relevant service authority during design and prior to commencement of construction.

As part of your duty of care, please contact the following where necessary:

AGL Gas Company	Ph. 131245
Dial Before You Dig	Ph. 1100
Energy Australia	Ph. 131535
Integral Energy	Ph. 131081
Optus Communications	Ph. 1800 505 777
Sydney Water Corporation	Ph. 132092 Telsfra Ph. 132203

This plan has been prepared for the exclusive use of the client as listed in the title block.

Any construction on or near the boundaries will require further survey so that marks defining boundaries can be placed.

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Any permitted downloading, electronic storage, display, print, copy or reproduction of this survey should contain no alteration or addition to the original.

These notes must not be erased.

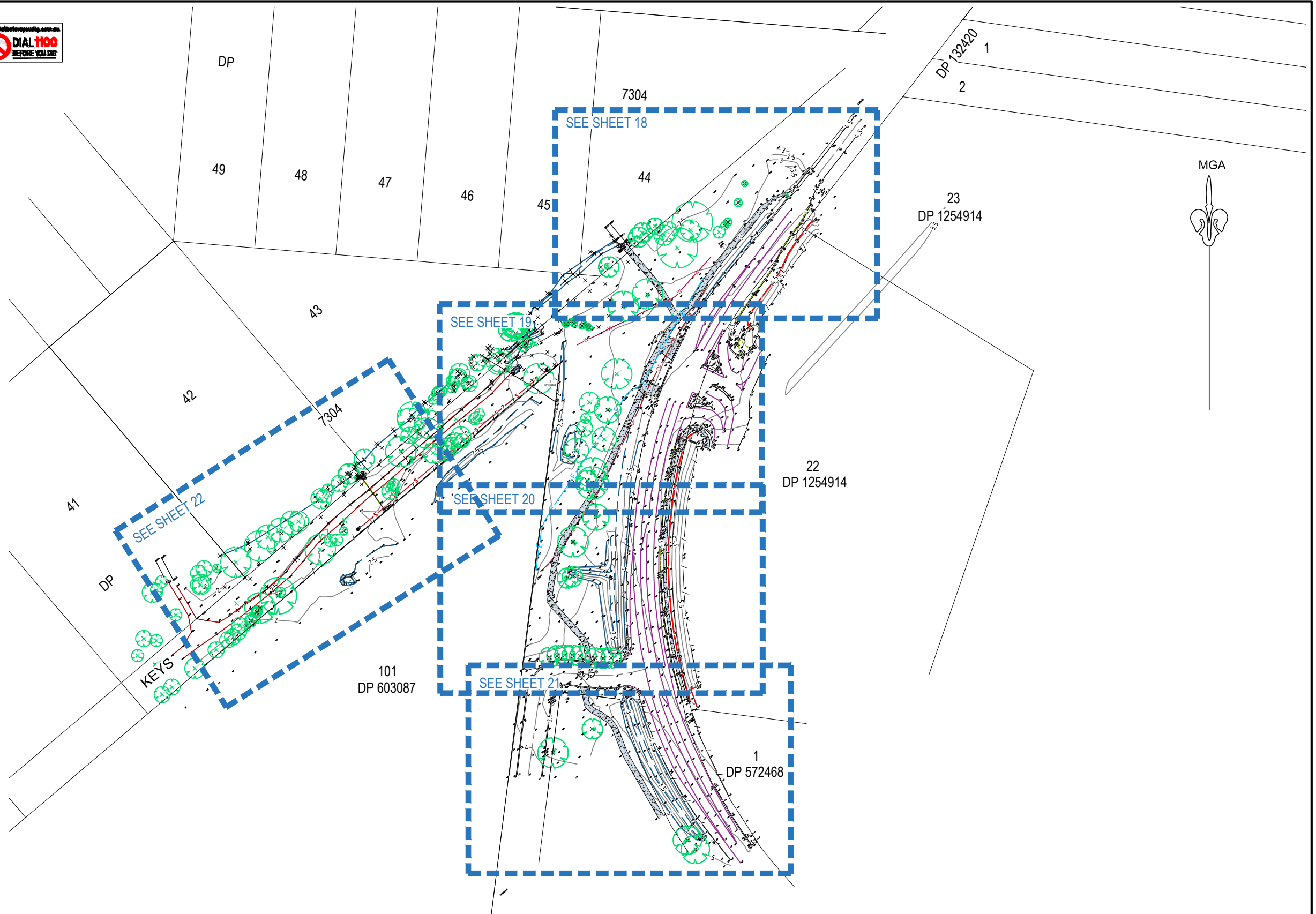


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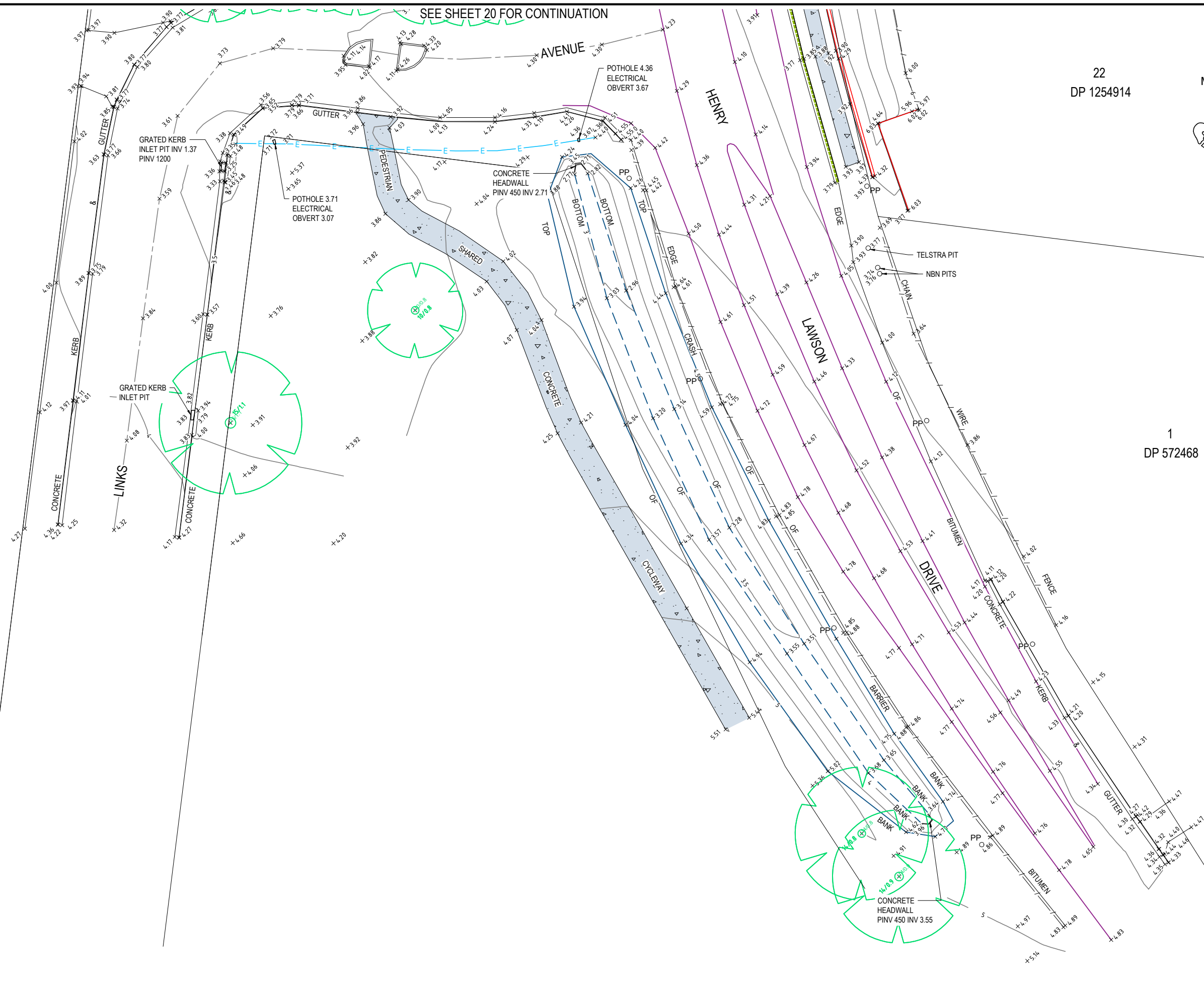
- 1 AREAS AND DIMENSIONS SUBJECT TO FINAL SURVEY
- 2 NO BOUNDARY SURVEY HAS BEEN MADE
- 3 ORIGIN OF LEVELS PM 25366 RL 16.838 A.H.D. FROM SURVEY DATED 28/06/2019
- 4 UTILITY ALIGNMENTS PICKED UP BY LOCATOR. LOCATOR ONLY PROVIDES APPROXIMATE DEPTHS & LOCATION. ONLY OBVERTS FROM POTHOLES PROVIDE EXACT LOCATION & LEVEL OF UT

LEGEND:

- | | |
|--|---------------------------|
| | SEWER |
| | WATER |
| | ELECTRICITY |
| | CENTRELINE |
| | TOP OF BANK |
| | BOTTOM OF BANK |
| | OPTICAL FIBRE |
| | FENCELINE |
| | STORMWATER |
| | GATE |
| | TREE(SPREAD/TRUNK/HEIGHT) |
| | DRAINAGE PIT |
| | POWER POLE |
| | ELECTRICAL PILLAR |
| | STOP VALVE |
| | HYDRANT |
| | WATER CONNECTION |
| | SEWER MAN HOLE |

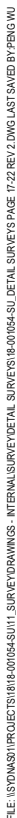


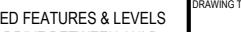
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					19/01/2021														
										AUTHORISED FOR ISSUE:		0 10 20 30 40 50 60 70 80						PROJECT	
										BY: DANIEL JAMES HANNIGAN		SCALE 1:1000 (A1)						PLAN SHOWING SELECTED FEATURES & LEVELS	
										Registered Surveyor (No.1208)		SCALE 1:2000 (A3)						ALONG HENRY LAWSON DRIVE BETWEEN AULD	
										DATE: 19/01/2021								AVENUE & BORELLA ROAD	
																		DETAIL SURVEY	
																		DISCLAIMER	
																		ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO	
																		CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT	
																		FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY	
																		PROJECT No.	
																		DRAWING No.	
																		18-001054 SU	
																		17 OF 22	
																		2	



AMENDMENTS	SURVEY	TRACED	CHECK	APPO	DATE	AMENDMENT DETAILS	STATUS	SCALE	CLIENT	PROJECT	DRAWING TITLE	
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	3	JA	PW	DJH	DJH							19/01/2021
	4											

7304



AMENDMENTS	SURVEY	TRACED	CHECK	APPD.	DATE	AMENDMENT DETAILS	STATUS	SCALE	CLIENT	PROJECT	DRAWING TITLE	
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	1	GW	PW	DJH	DJH							07/01/2020
	1	GW	PW	DJH	DJH							05/02/2020
	2	JA	PW	DJH	DJH							19/01/2021
						AUTHORISED FOR ISSUE:						
						BY: DANIEL JAMES HANNIGAN	SIGN:					
						Registered Surveyor (No. 1208)						
						DATE:	19/01/2021					
												
												
												
PLAN SHOWING SELECTED FEATURES & LEVELS ALONG HENRY LAWSON DRIVE BETWEEN AULD AVENUE & BORELLA ROAD												
DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY												
PROJECT No. DRAWING No. MILESTONE REVISION 18-001054 SU 22 OF 22 2												