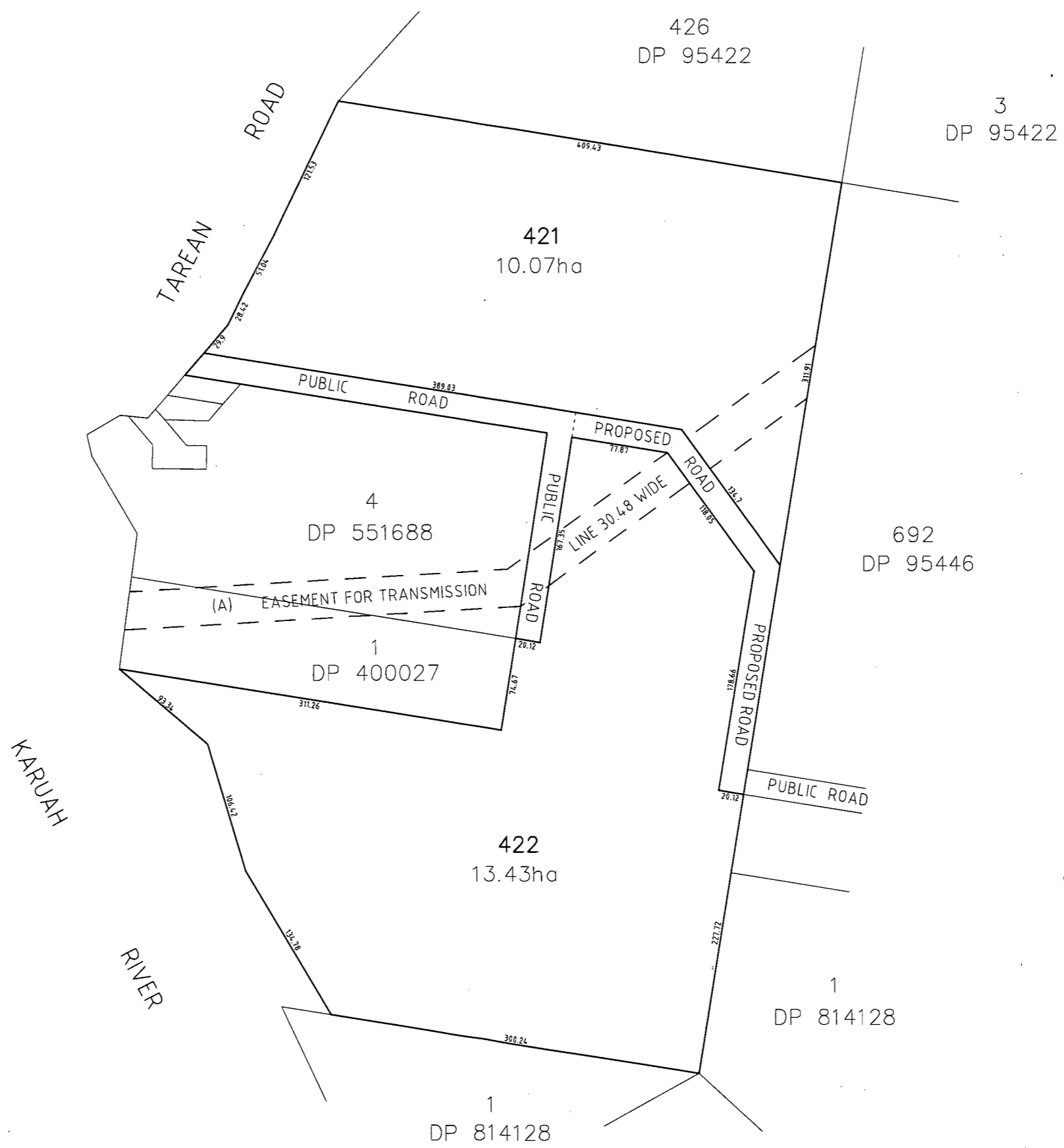


MID-COAST COUNCIL
 27 APR 2017
 RECORDS



Plans have been reviewed and are:

MIDCOAST WATER

Approved with Conditions
 Approved
 Refused

Signed: *[Signature]* Date: 21/4/17

DRAFT ONLY
 ALL AREAS & DIMENSIONS
 SUBJECT TO FINAL SURVEY

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
A	Original Issue					

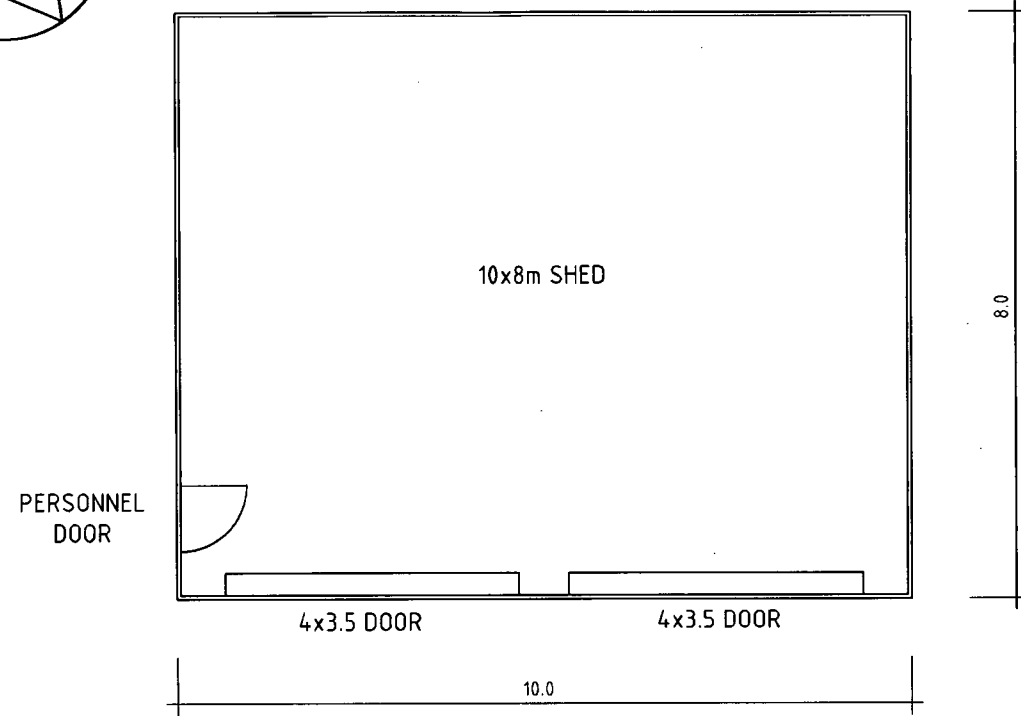
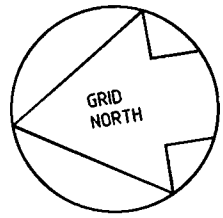
* Denote the original signature and date when revision was issued.

TATTERSALL LANDER PTY LTD
 DEVELOPMENT CONSULTANTS
 ENGINEERING, SURVEYING & PLANNING
 2 Bourke St. P.O. Box 580
 RAYMOND TERRACE 2324
 Fax (02) 49871733 Phone (02) 49871600

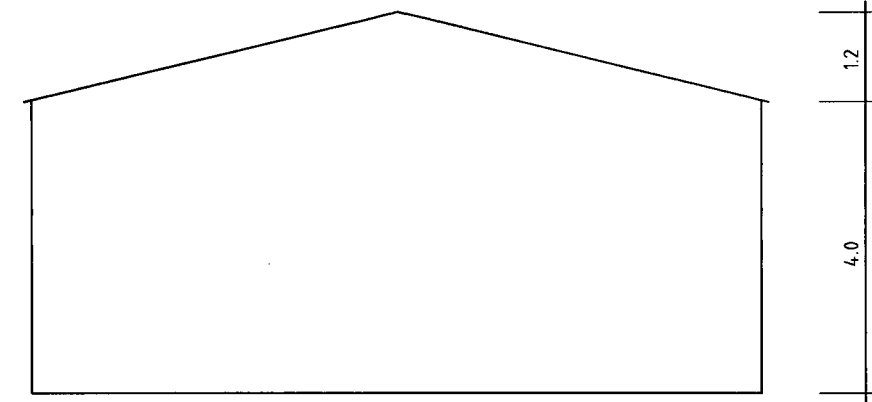
PLAN OF PROPOSED BOUNDARY REALIGNMENT
 LOT 42 DP 835833 & LOT 424 DP 95438
 500 TAREAN ROAD
 KARUAH

CLIENT: BARRY WAIN JOB No.: 215039 COMPUTER FILE: S:\clients\2015\215039\Draw\215039 PRPP SUB.dwg

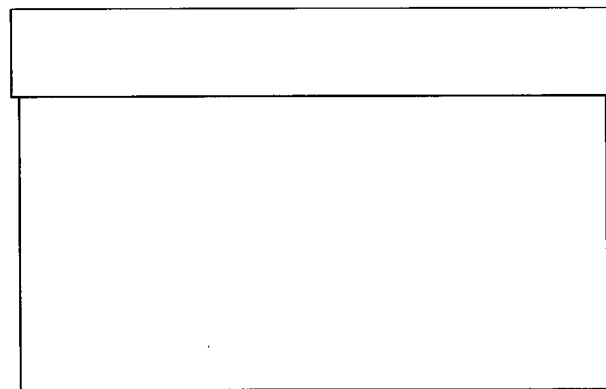
COUNCIL	REFERENCE
GREAT LAKES	####
PARISH	SHEET SIZE
	A3
SCALE	SHEET No.
1:4000	1 of 1
DATE:	Plotted 11:50 21/04/17



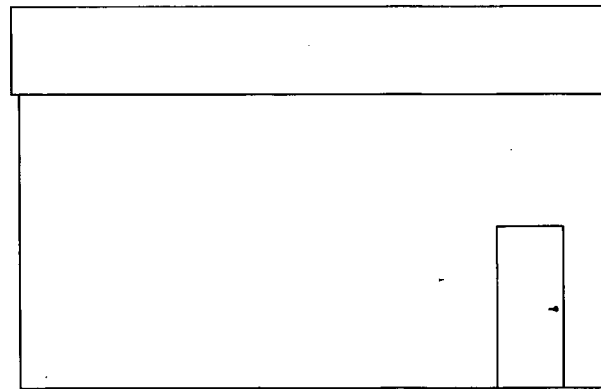
PLAN



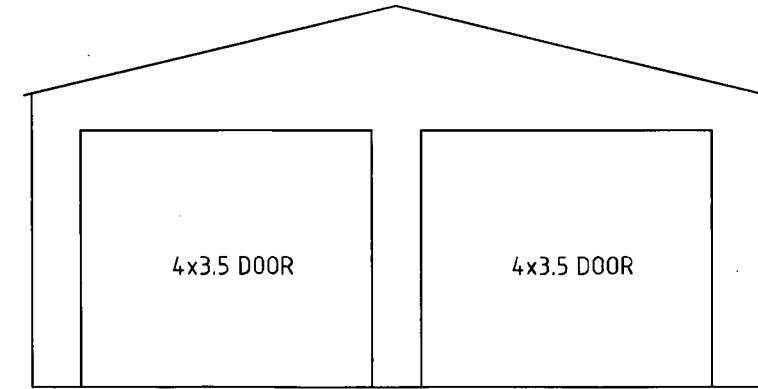
EAST ELEVATION



SOUTH ELEVATION



NORTH ELEVATION



WEST ELEVATION

FLOOR & ELEVATION PLAN
SHED

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
A	Original Issue					

* Denote the original signature and date when revision was issued.

**TATTERSALL
LANDER** PTY LTD
DEVELOPMENT CONSULTANTS



PLAN

PLAN OF SHED
500 TAREAN ROAD
KARUAH

Client BARRY WAIN

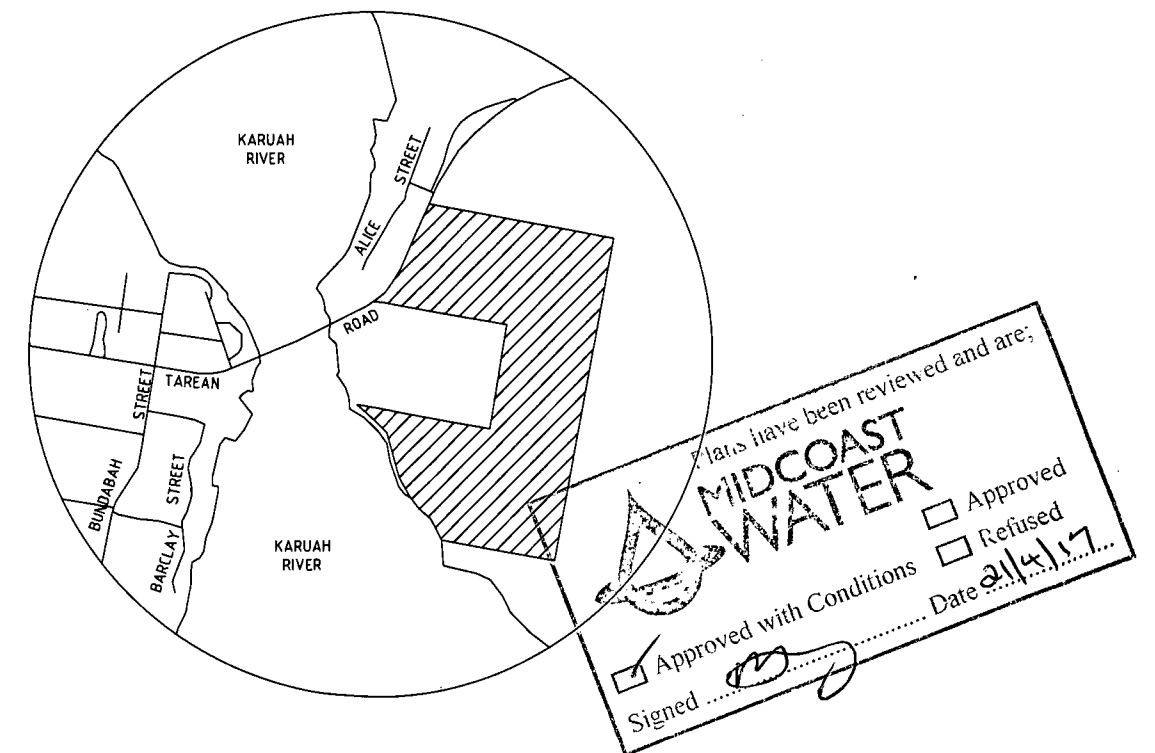
Locality KARUAH
Council GREAT LAKES
Ord No.

Sheet: 1 of 1
FILE ####
JOB No. 215039
Date 14-09-15
Scale 1:100

RIVER PARK @ KARUAH

PRELIMINARY DESIGN 500 TAREAN ROAD, KARUAH

Schedule of Drawings			
Sheet	File Number	Description	Revision
1	21600002	TITLE PAGE	C
2	21600003	OVERALL LAYOUT	C
3	21600004	SITE ENTRANCE WAY AND ENTRANCE ROAD	C
4	21600005	LAYOUT - NORTH EAST	C
5	21600006	LAYOUT - SOUTH EAST	B
6	21600007	LAYOUT - SOUTH WEST	B
7	21600008	LAYOUT - NORTH WEST	B
8	21600009	LAYOUT - CAMPING	C
9	21600215	ROAD 4 LONG SECTION	B
10	21600216	ROADS 2, 3 & 6 LONG SECTIONS	B
11	21600217	ROAD 5 LONG SECTION	B
12	21600018	CATCHMENT PLAN	C
13	21600010	STAGING PLAN	C
14	21600011	LANDSCAPE PLAN 1	B
15	21600012	LANDSCAPE PLAN 2	B



Designed By

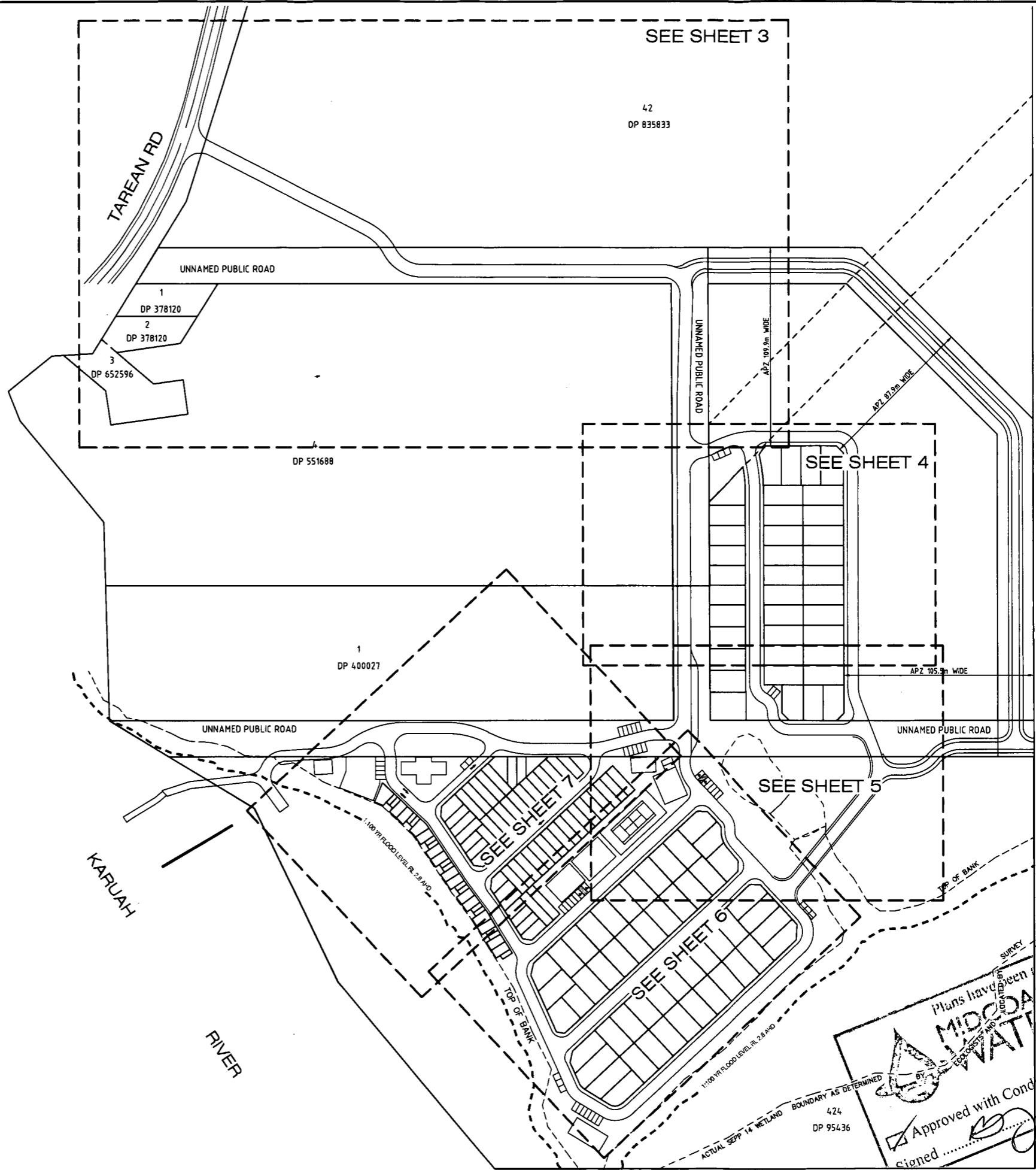
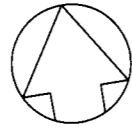
TATTERSALL LANDER PTY LTD
DEVELOPMENT CONSULTANTS IN ENGINEERING, SURVEYING & PLANNING
PO Box 580 RAYMOND TERRACE Phone (02) 4987 1500



FILE : 21600002
JOB No. : 215039
SHEET No. : 1 of 15
Printed on A4 11/11/17

LEGEND

- EXISTING BOUNDARY
- - - EXISTING BOUNDARY TO BE DELETED
- PROPOSED ROAD
- CONTOUR
- - - 1:100YR FLOOD LEVEL RL 2.8m AHD
- ⊗ HABITAT TREE WITH TREE NUMBER
- ⊙ TREE TO BE REMOVED
- ⊕ TREE TO BE RETAINED
- ▣ PROPOSED GRATED SURFACE INLET PIT
- PROPOSED STORM WATER PIPE



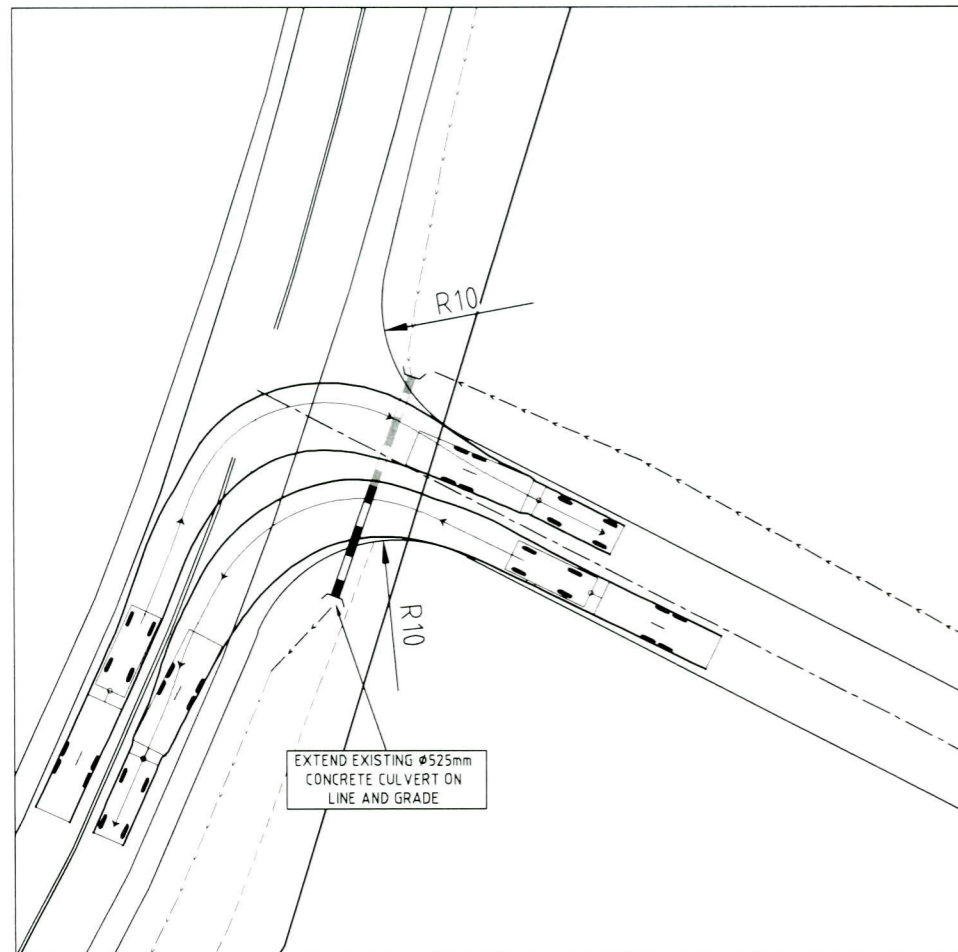
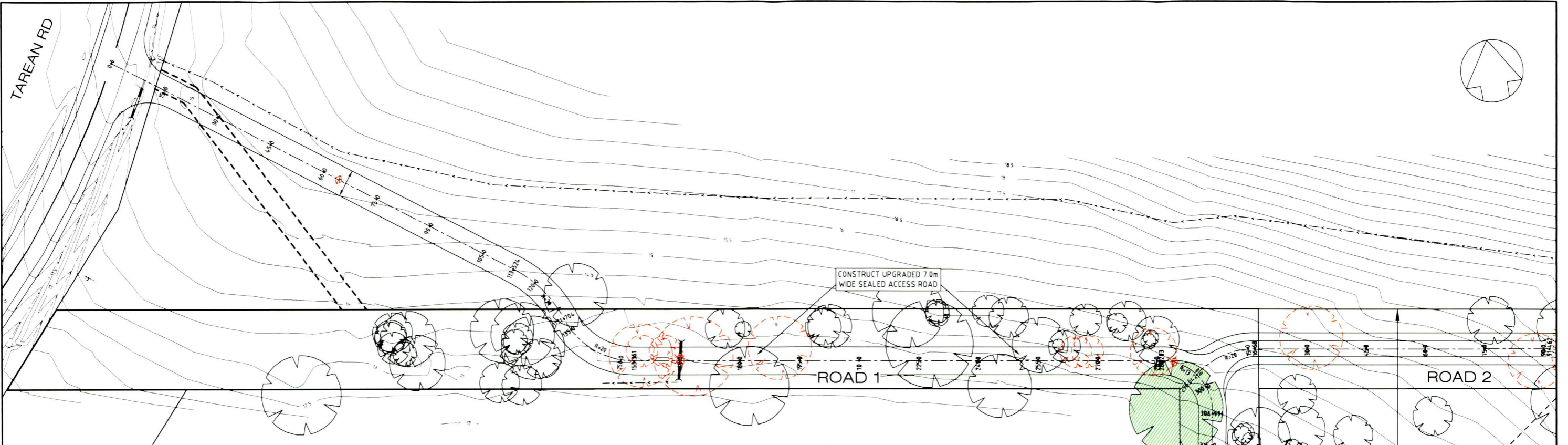
Plans have been reviewed and are:
MIDCOAST WATER
 Approved
 Refused
 Signed: [Signature] Date: 21/4/17

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
B	Camp sites within 100m of forest removed	DC	DC	BL*	BL*	28/06/16*
A	Original Issue	DC	DC	-	-	28/06/16*
* Denote the original signature and date when revision was issued.						

TATTERSALL LANDER PTY LTD
 DEVELOPMENT CONSULTANTS
 ENGINEERING, SURVEYING & PLANNING
 2 Bourke St. P.O. Box 680
 RAYMOND TERRACE 2324
 Fax (02) 49871793 Phone (02) 49871800

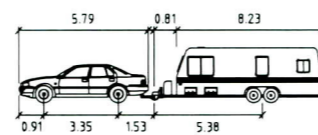
PRELIMINARY DESIGN
 LOT 42 IN DP 835833 & LOT 424 IN DP 95436
 500 TAREAN ROAD
 KARUAH

COUNCIL	REFERENCE
MIDCOAST	21600003
PARISH	SHEET SIZE
	A3
SCALE	SHEET No.
1:2500 on A3	2
DATE	Plotted 09:46 11/04/17

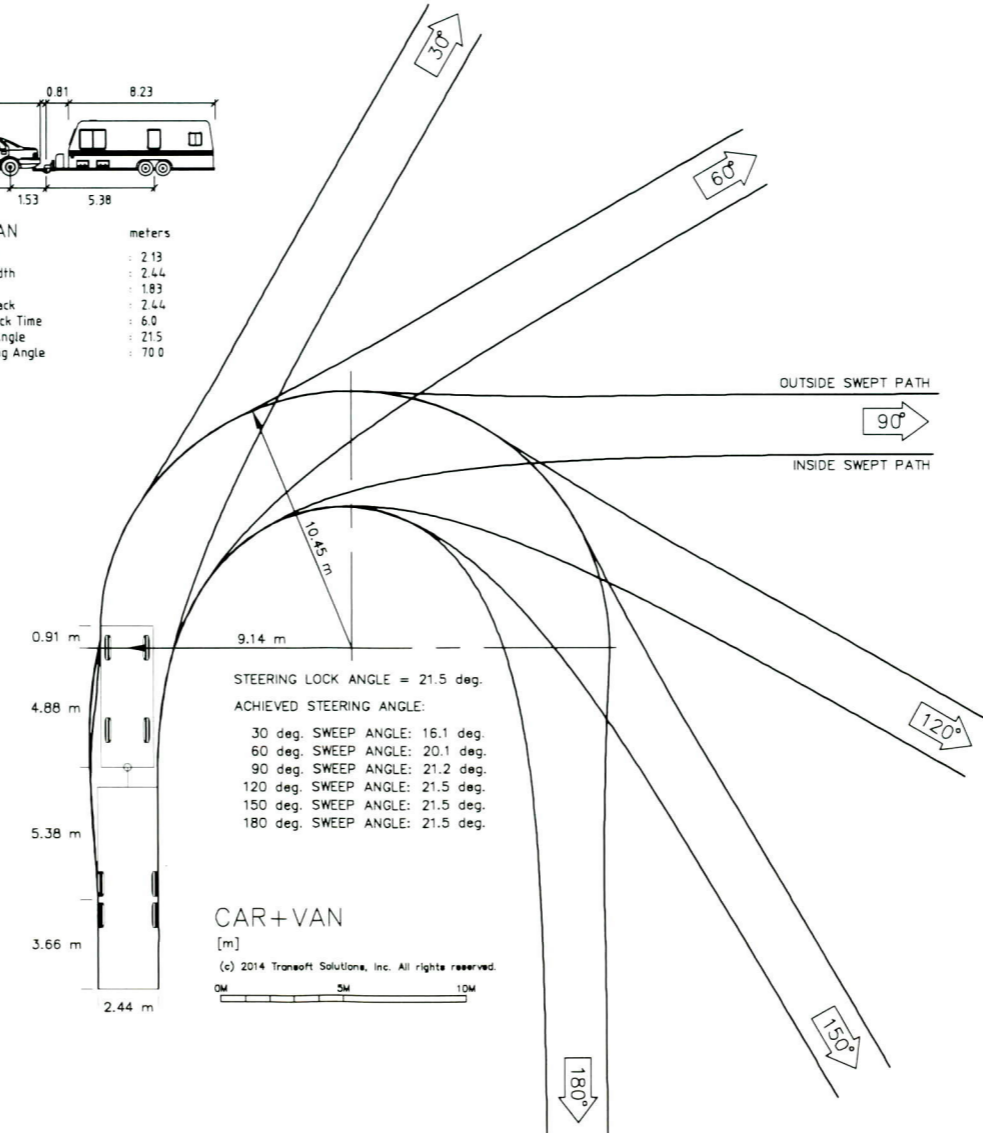


INTERSECTION TURNING PATH PLAN

SCALE 1:250



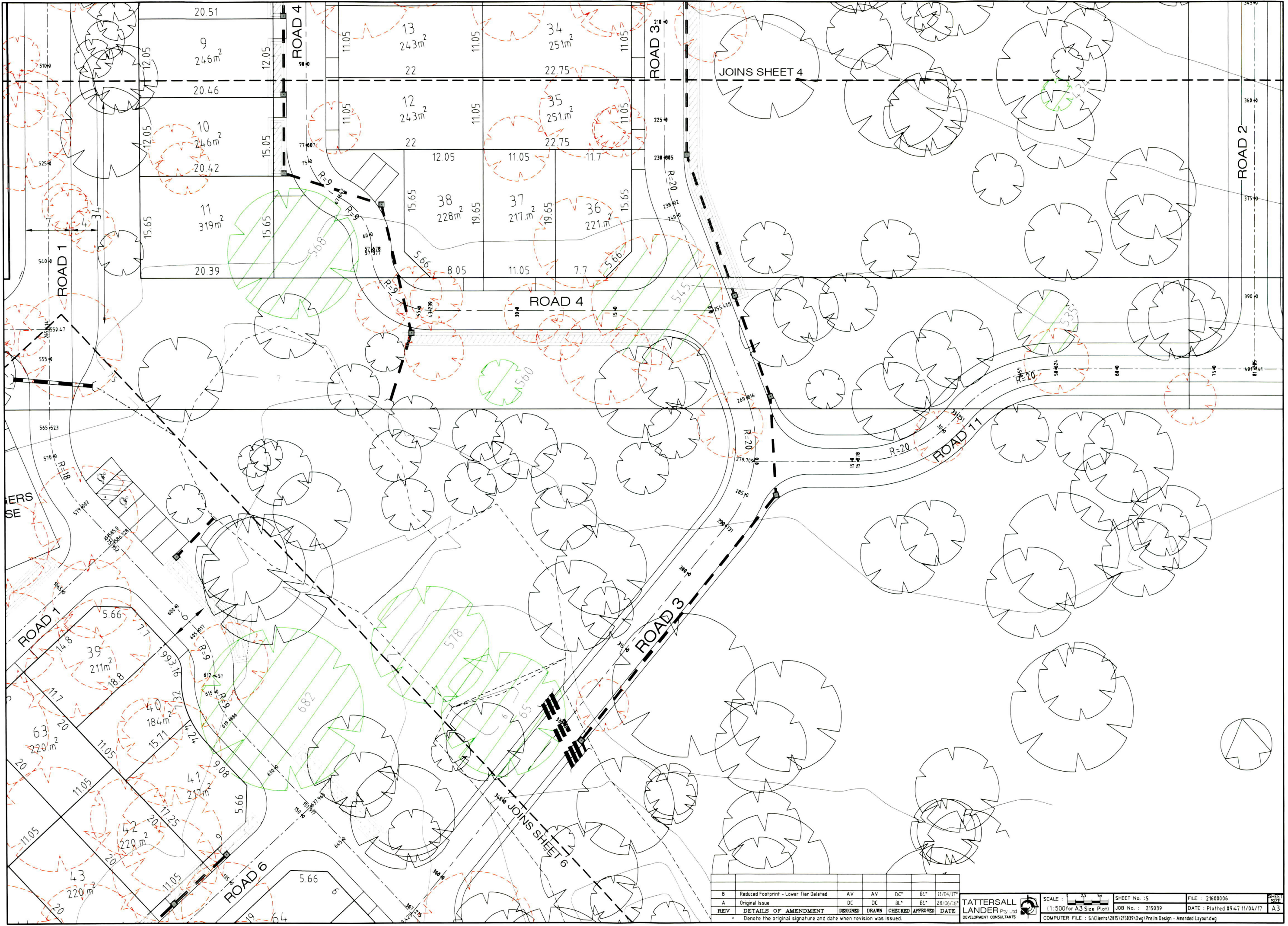
CAR+VAN		units
Car Width	: 2.13	meters
Trailer Width	: 2.44	
Car Track	: 1.83	
Trailer Track	: 2.44	
Lock to Lock Time	: 6.0	
Steering Angle	: 21.5	
Articulating Angle	: 70.0	



REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
B	New Revision	DC	DC	BL*	BL*	28/06/16*
A	Original Issue	DC	DC	-	-	23/06/16*

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE: 1:1000 (for A3 Size Plot)	SHEET No. 13	FILE: 2160004	SHEET 13/21
COMPUTER FILE: S:\Clients\2165\216539\0vg\1Prelim Design - Amended Layout.dwg	JOB No.: 215039	DATE: Plotted 09:47 11/04/17	A3



REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
B	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
A	Original Issue	DC	DC	BL*	BL*	28/06/16*

* Denote the original signature and date when revision was issued.

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

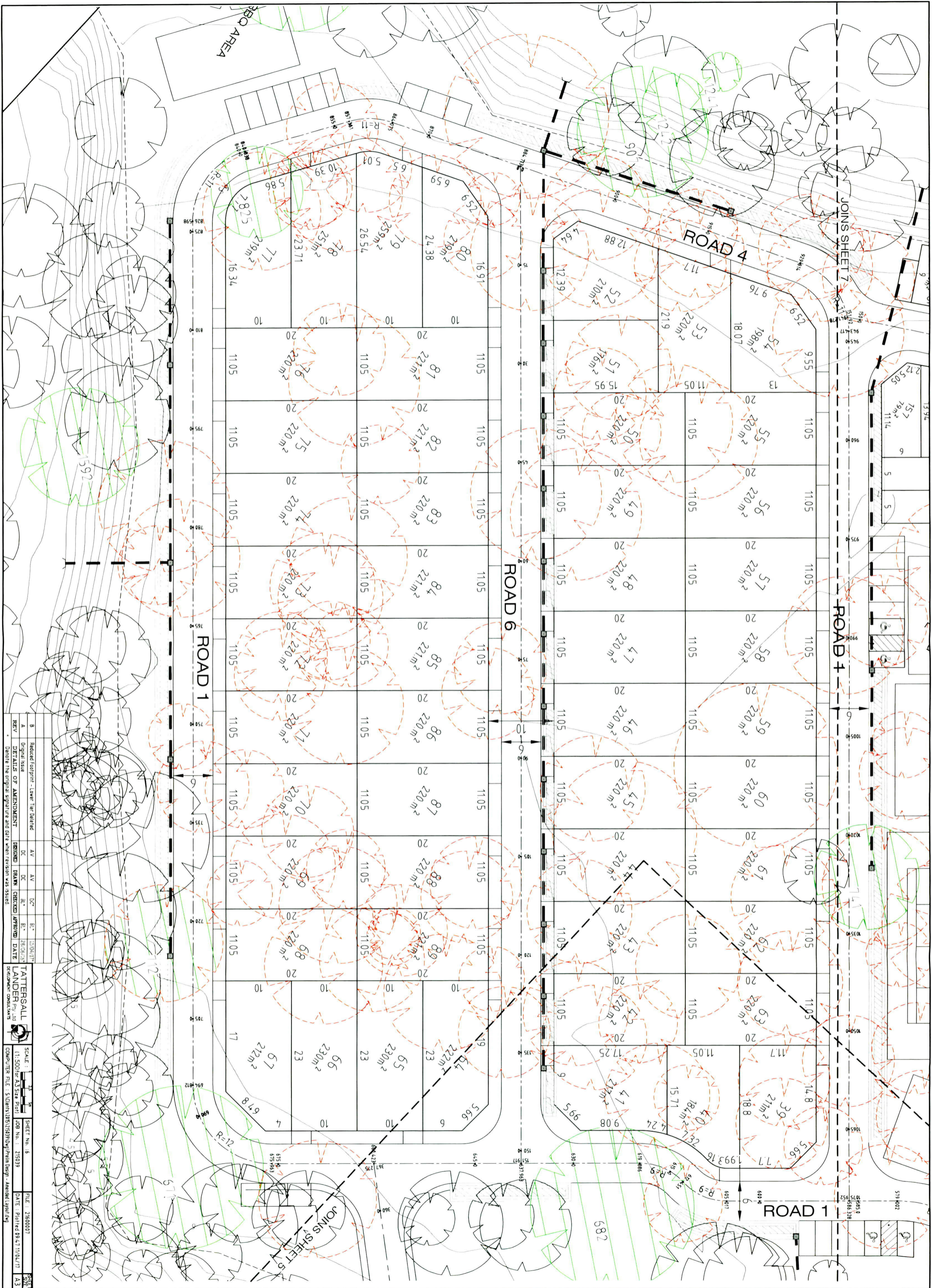
SCALE: 1:500 for A3 Size Plot

SHEET No. 15

FILE: 2160006

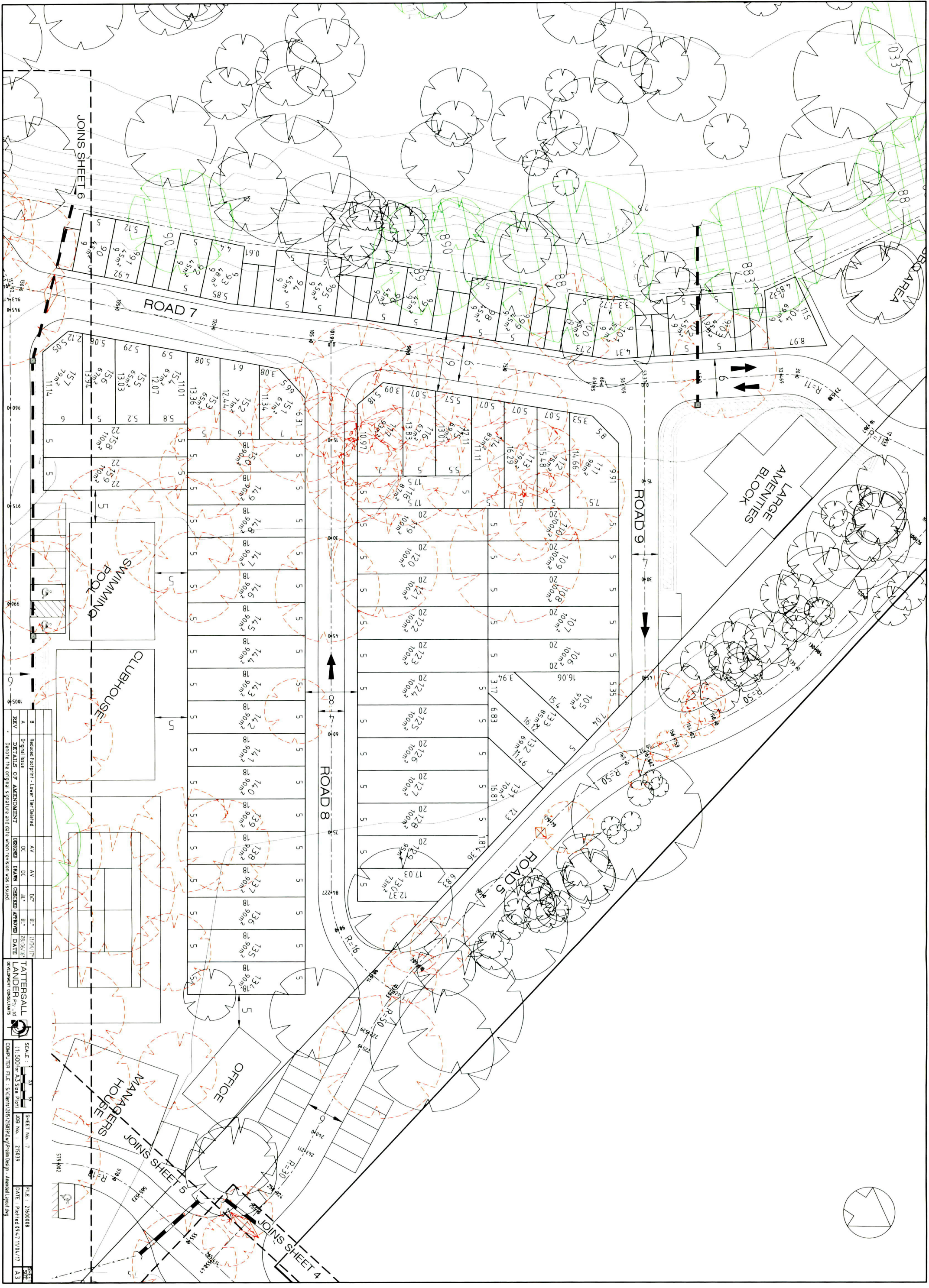
DATE: Plotted 09/47 11/04/17

COMPUTER FILE: S:\Clients\215\215439\0vg\Prelim Design - Amended Layout.dwg



REV	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
3	Reduced Footprint - Lower Tier Deleted	AV	DC	AV	DC	11/04/17
2	Original Issue	DC	DC	AV	AV	28/03/17
1	DETAILS OF AMENDMENT	DC	DC	AV	AV	28/03/17

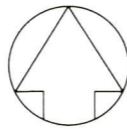
TATTERSALL
 LANDER Pty. Ltd.
 11/500 or A3 Size Plot
 SCALE: 1:500
 SHEET No. 18
 FILE: 2150301
 DATE: 19/10/17
 COMPUTER FILE: S:\Users\jst5239\Documents\Design - Handred\jst.dwg
 1:500 or A3 Size Plot
 JOB No.: 2150301
 DATE: 19/10/17
 A3



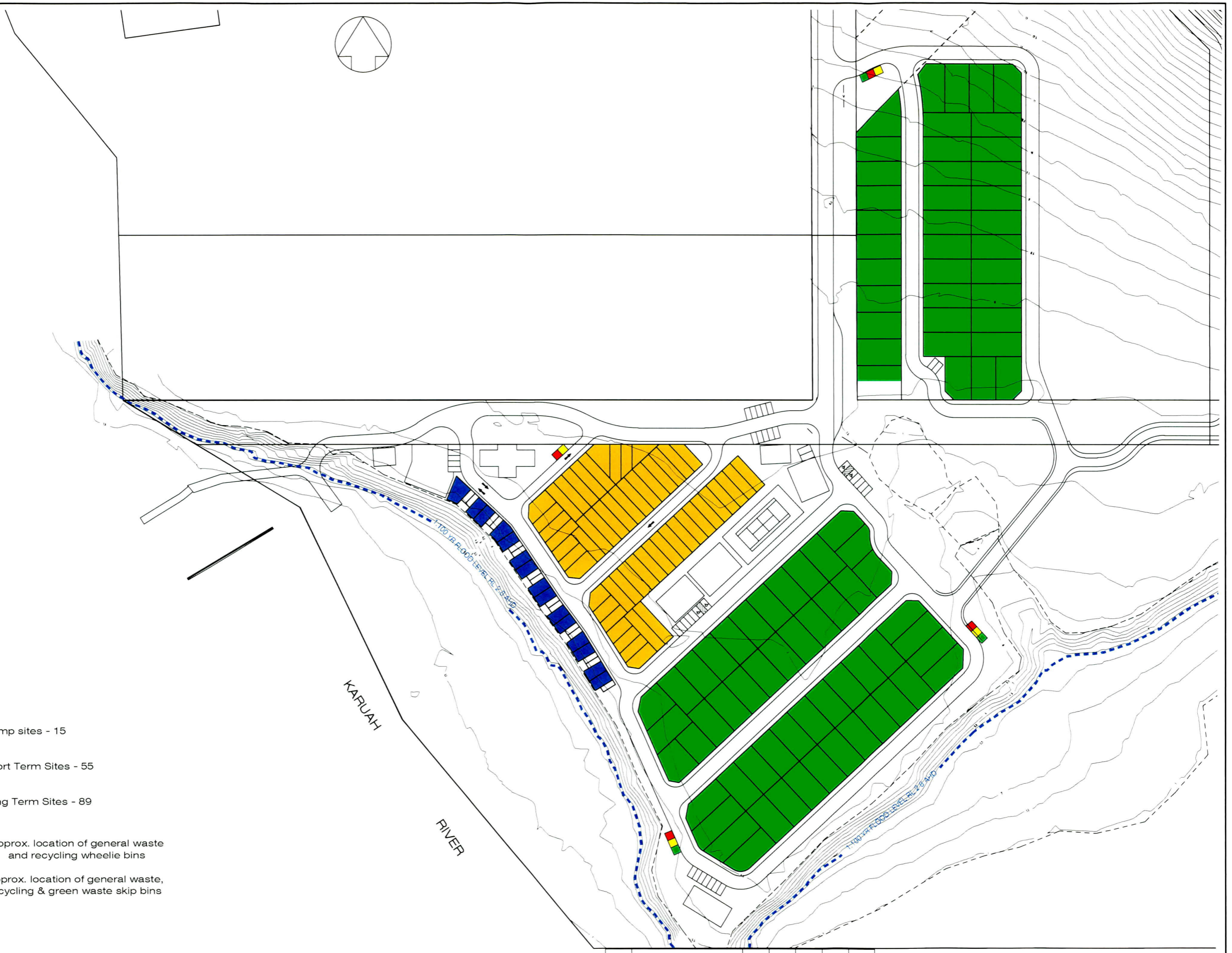
REV	DESCRIPTION	ISSUED BY	CHECKED BY	APPROVED BY	DATE
3	Reduced Footprint - Lower Tier Deleted	AV	DC	EL	12/04/17
2	Original Issue	DC	AV	EL	28/06/15
1	DETAILS OF AMENDMENT	DC	AV	EL	28/06/15

Drawn the original signature and date when revision was issued.

TATTERSALL LANDER CONSULTANTS
 SCALE: 1:500 (or A3 size plot)
 SHEET No: 17
 JOB No: 215039
 DATE: Plotted 09/11/17
 FILE: 260008
 COMPUTER FILE: S:\Users\jbs215039\Drawings - Amended\plotting



- Camp sites - 15
- Short Term Sites - 55
- Long Term Sites - 89
- Approx. location of general waste and recycling wheelie bins
- Approx. location of general waste, recycling & green waste skip bins



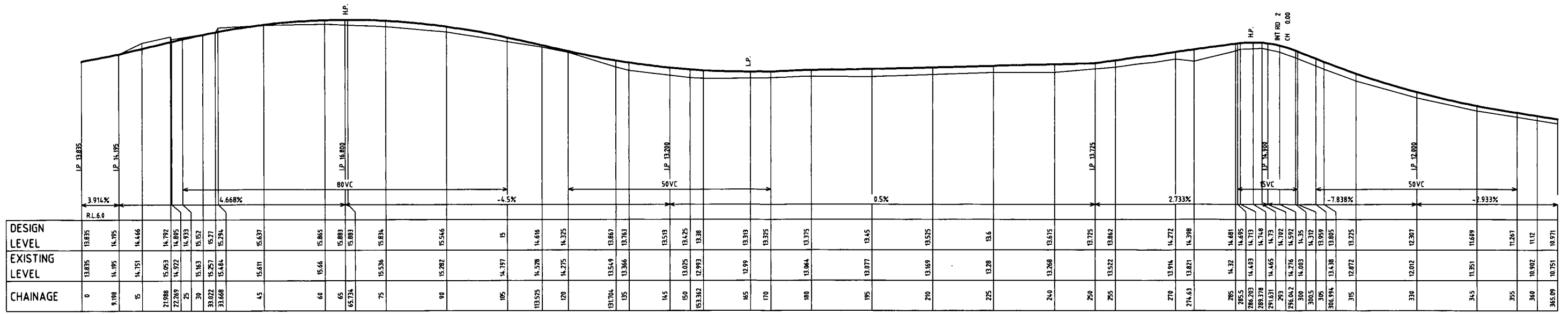
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
B	Camp sites within 100m of forest removed	DC	DC	BL*	BL*	28/06/16*
A	Original Issue	DC	DC	-	-	23/06/15*

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

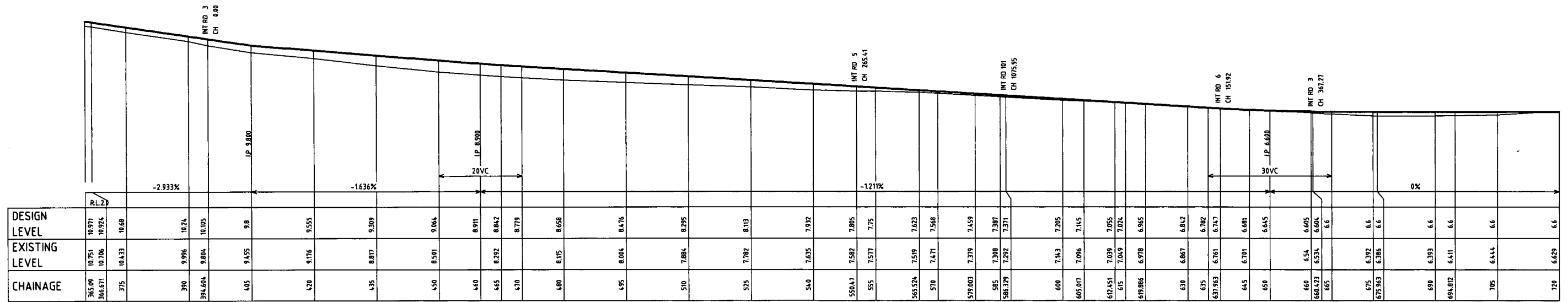
SCALE: 1:800 for A3 plot

SHEET No.: 8
FILE: 21600009
DATE: Plotted 09:47:11/04/17
A3
COMPUTER FILE: S:\Clients\215\215039\0vg\Preim Design - Amended Layout.dwg

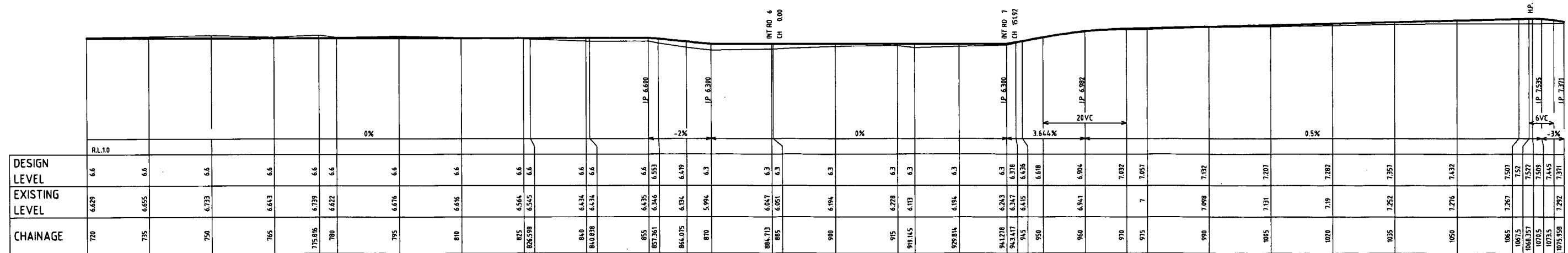
* Denote the original signature and date when revision was issued.



ROAD No. 1
H=1:1000 V=1:200



ROAD No. 1
H=1:1000 V=1:200



ROAD No. 1
H=1:1000 V=1:200

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
B	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
A	Original Issue	DC	DC	BL*	BL*	28/06/16*

(1:200 for A3 Size Plot)

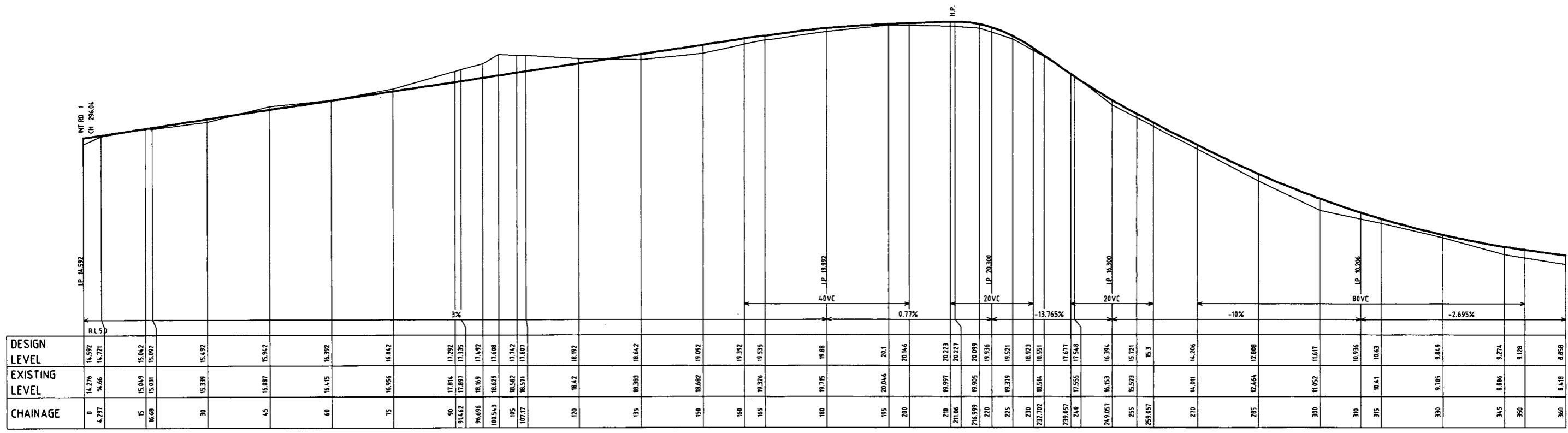
SCALE:

SHEET No. : 19
FILE : 21500215
DATE : 09/47 11/04/17
JOB No. : 215039

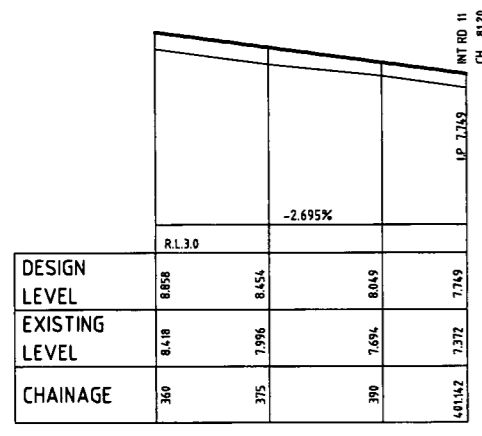
TATTERSALL LANDER DEVELOPMENT CONSULTANTS

COMPUTER FILE : S:\Clients\215039\09\Prelin Design - Amended Layout.dwg

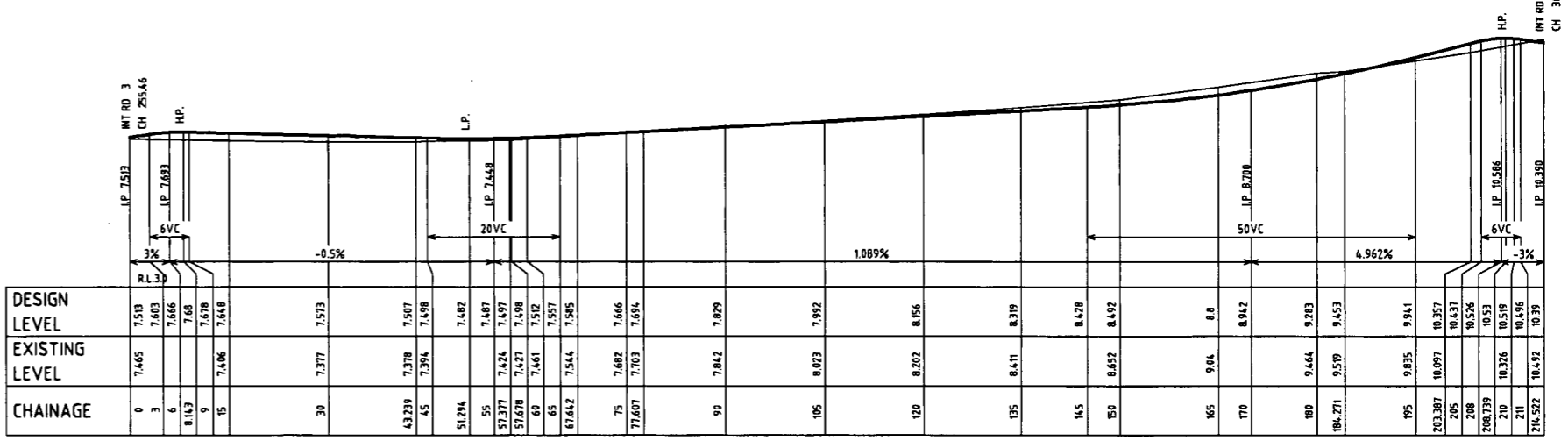
* Denote the original signature and date when revision was issued.



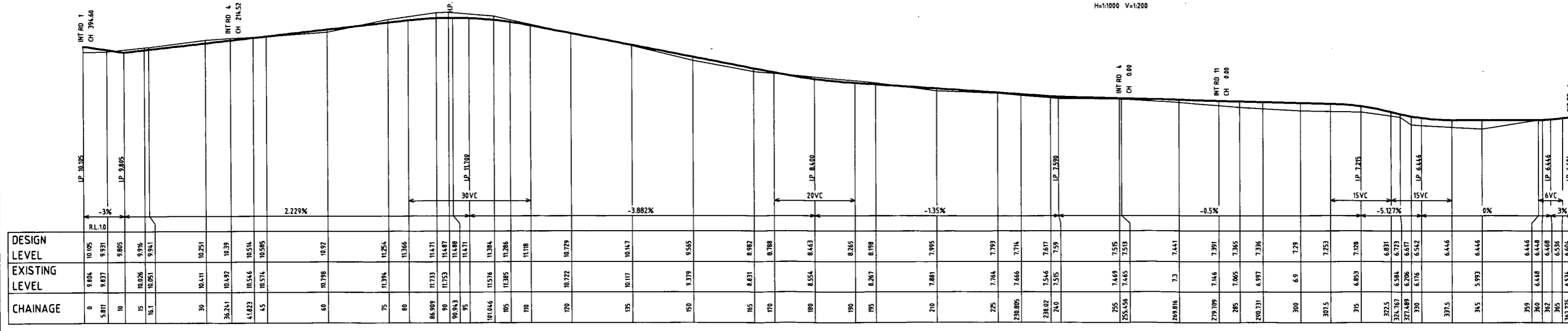
ROAD No. 2
H=1:1000 V=1:200



ROAD No. 2
H=1:1000 V=1:200



ROAD No. 4
H=1:1000 V=1:200



ROAD No. 3
H=1:1000 V=1:200

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
B	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
A	Original Issue	DC	DC	BL*	BL*	28/06/16*

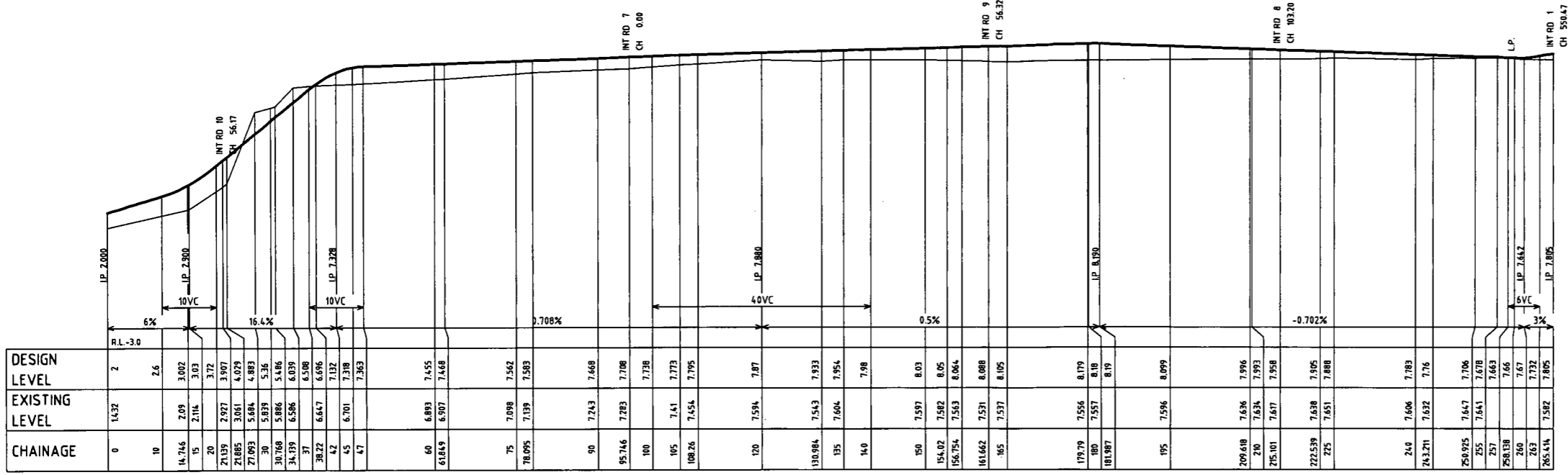
TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE: 1:1000 for A3 Size Plot

SHEET No.: 10
JOB No.: 215039
DATE: Plotted 09:48 11/04/17

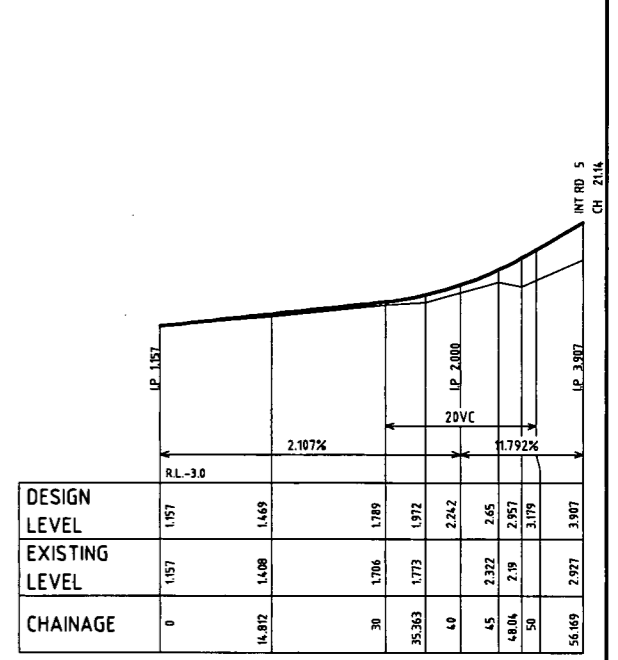
FILE: 21600216
DATE: 11/04/17

COMPUTER FILE: S:\Clients\2015\215039\10.dwg



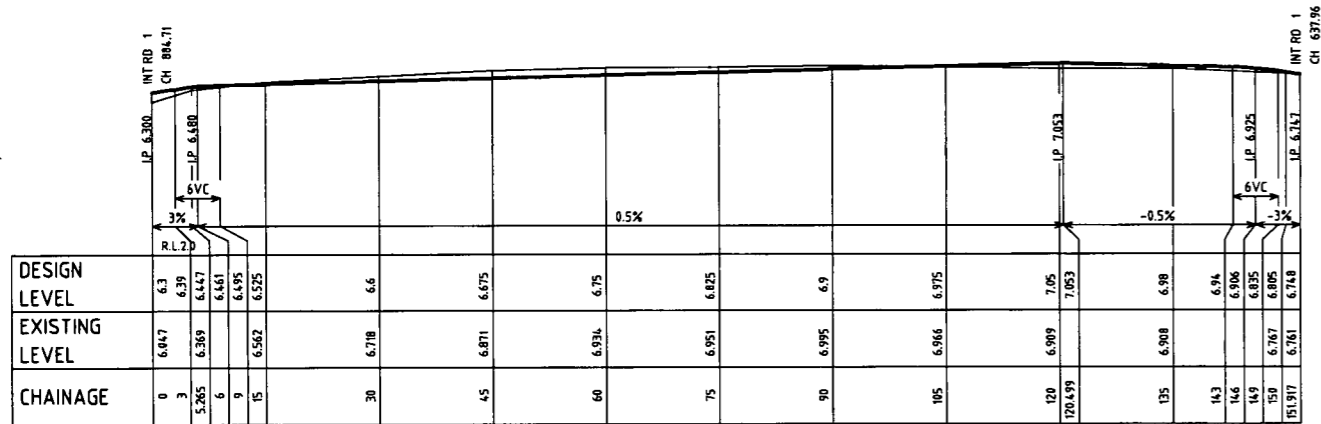
DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
2	1.532	0
2.6	2.09	10
3.002	2.114	14.746
3.03	2.927	15
3.72	3.001	21.039
3.907	3.084	27.093
4.079	5.839	30
4.883	5.886	30.768
5.36	6.039	34.139
6.039	6.647	38.22
6.508	7.132	42
6.996	6.701	45
7.378	7.363	47
7.562	6.893	60
7.583	6.907	61.849
7.583	7.098	75
7.583	7.139	78.095
7.668	7.243	90
7.708	7.283	95.746
7.738	7.41	105
7.773	7.454	108.26
7.795	7.594	120
7.87	7.543	130.984
7.933	7.604	135
7.954	7.98	140
8.03	7.597	150
8.05	7.592	154.02
8.064	7.563	156.754
8.088	7.531	161.662
8.105	7.537	165
8.179	7.556	179.79
8.18	7.557	180
8.19	7.587	181.987
8.099	7.596	195
7.996	7.636	209.618
7.993	7.634	210
7.958	7.617	215.101
7.905	7.638	222.538
7.888	7.651	225
7.76	7.606	240
7.706	7.632	243.271
7.706	7.647	250.925
7.663	7.641	255
7.663	7.678	257
7.663	7.663	258.138
7.67	7.67	260
7.732	7.67	263
7.805	7.582	265.414

ROAD No. 5
H=1:1000 V=1:200



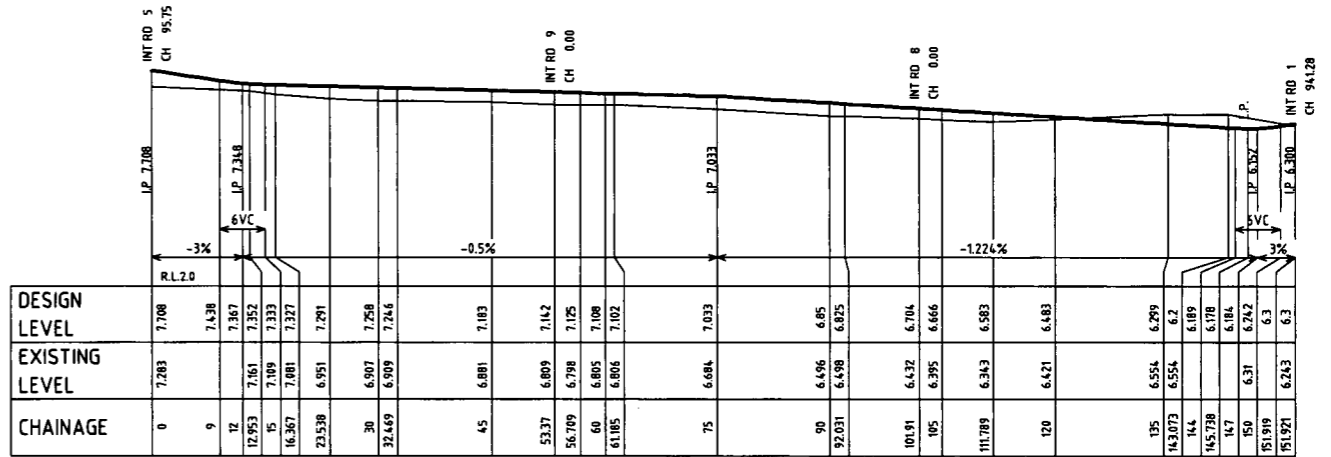
DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
1.157	1.157	0
1.469	1.408	14.812
1.789	1.706	30
1.972	1.773	35.363
2.242	2.242	40
2.65	2.322	45
2.957	2.19	48.04
3.179	3.179	50
3.987	2.927	55.619

ROAD No. 10
H=1:500 V=1:100



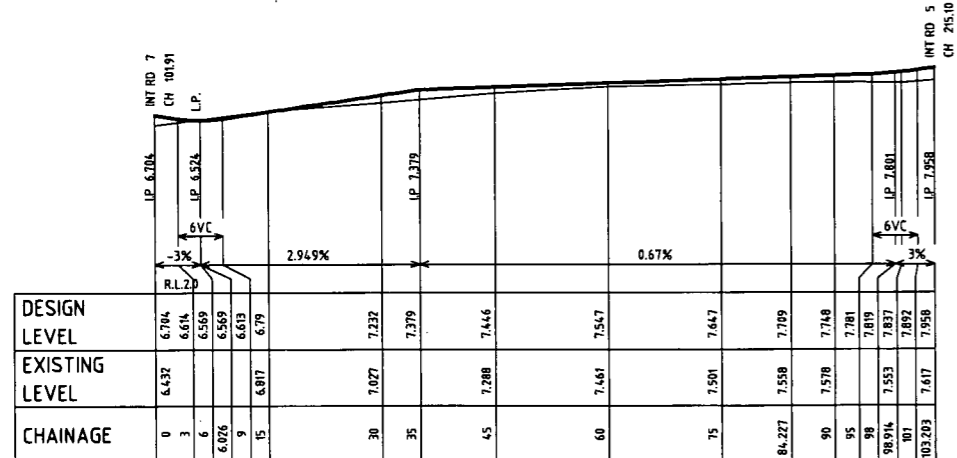
DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
6.3	6.447	0
6.39	6.369	3
6.447	6.461	6
6.495	6.495	9
6.525	6.562	15
6.6	6.718	30
6.675	6.871	45
6.75	6.934	60
6.825	6.951	75
6.9	6.995	90
6.975	6.966	105
7.05	6.909	120
7.053	6.908	126.499
6.98	6.908	135
6.9	6.906	143
6.906	6.906	146
6.835	6.767	149
6.805	6.761	150
6.748	6.761	151.917

ROAD No. 6
H=1:1000 V=1:200



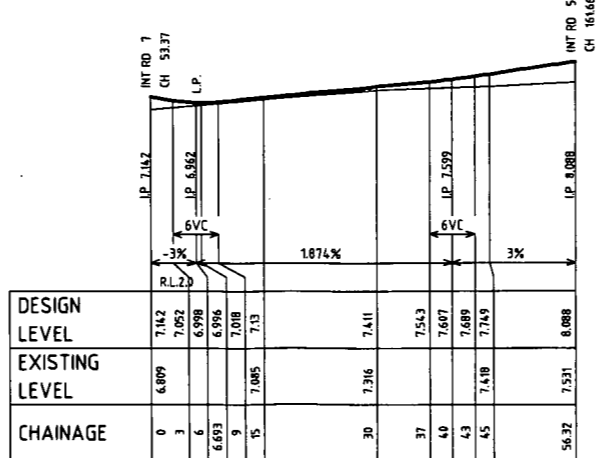
DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
7.108	7.283	0
7.438	7.367	9
7.352	7.161	12
7.333	7.109	15
7.327	7.081	16.367
7.291	6.951	23.538
7.258	6.907	30
7.244	6.909	32.449
7.183	6.881	45
7.142	6.809	53.37
7.125	6.798	56.709
7.108	6.805	60
7.102	6.806	61.05
6.85	6.496	90
6.825	6.498	92.031
6.704	6.432	104.91
6.666	6.395	105
6.583	6.343	111.789
6.483	6.421	120
6.299	6.554	135
6.2	6.554	144
6.189	6.178	145.738
6.184	6.184	147
6.3	6.31	150
6.3	6.243	151.921
6.3	6.243	151.921

ROAD No. 7
H=1:1000 V=1:200



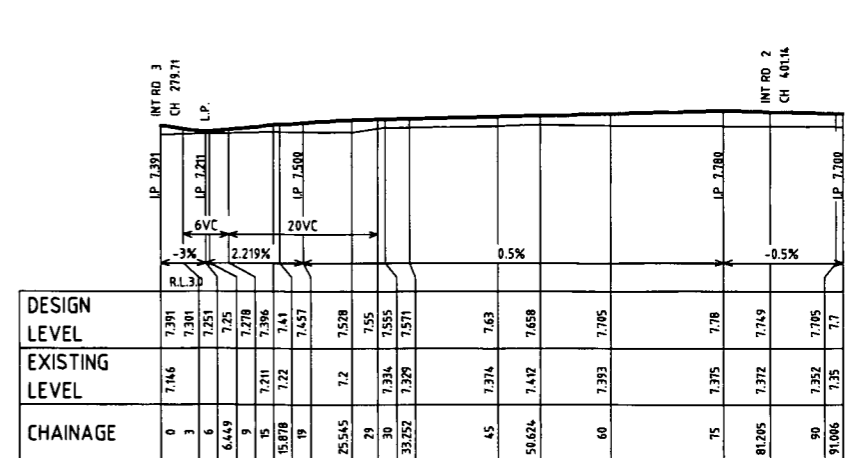
DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
6.784	6.432	0
6.614	6.614	3
6.569	6.569	6
6.633	6.633	9
6.79	6.817	15
7.232	7.027	30
7.379	7.379	35
7.446	7.288	45
7.547	7.461	60
7.647	7.501	75
7.799	7.558	84.227
7.748	7.518	90
7.781	7.781	95
7.837	7.837	98
7.837	7.837	98.914
7.832	7.832	101
7.958	7.617	103.203

ROAD No. 8
H=1:1000 V=1:200



DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
7.142	6.809	0
7.052	7.052	3
6.998	6.998	6
7.008	7.008	9
7.13	7.085	15
7.411	7.316	30
7.543	7.607	37
7.607	7.607	40
7.689	7.689	43
7.749	7.418	45
8.088	7.531	56.32

ROAD No. 9
H=1:1000 V=1:200



DESIGN LEVEL	EXISTING LEVEL	CHAINAGE
7.391	7.146	0
7.301	7.301	3
7.251	7.251	6
7.25	7.25	9
7.278	7.211	15
7.41	7.211	15.878
7.457	7.457	19
7.528	7.2	25.545
7.55	7.334	29
7.555	7.555	30
7.571	7.329	33.252
7.63	7.374	45
7.658	7.412	50.024
7.705	7.393	60
7.749	7.375	75
7.749	7.375	81.205
7.705	7.372	90
7.7	7.352	91.066

ROAD No. 11
H=1:1000 V=1:200

B	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17
A	Original Issue	DC	DC	BL*	BL*	28/06/16
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

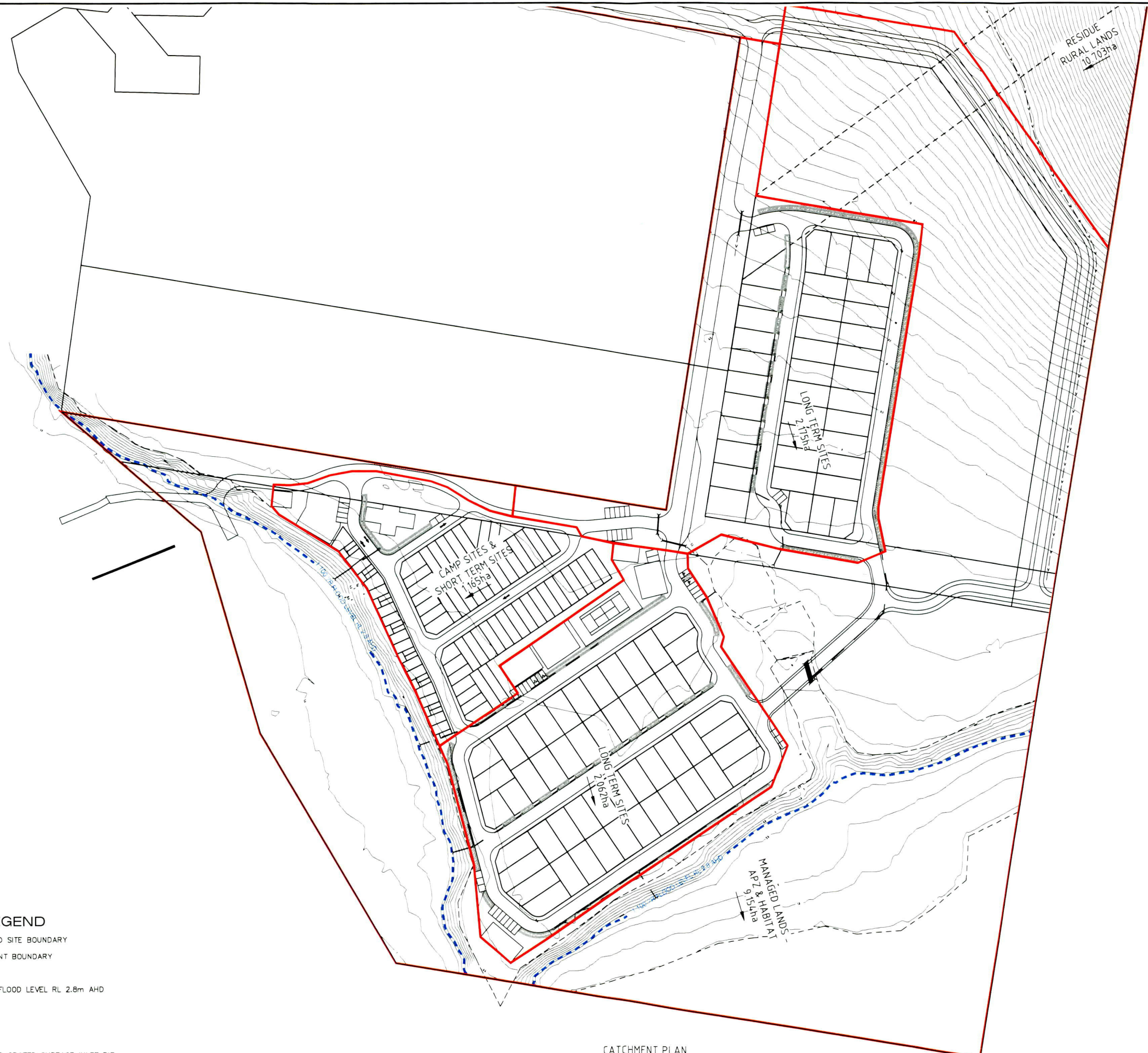
* Denote the original signature and date when revision was issued.

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE: 1:1000 (for A3 Size Plot)
SHEET No.: 11
JOB No.: 215039
DATE: Plotted 09:48 11/04/17

FILE: 21600217
DATE: 11/04/17

COMPUTER FILE: S:\Clients\2015\215039\Drawings\Pratin Design - Amended Layout.dwg



LEGEND

- PROPOSED SITE BOUNDARY
- CATCHMENT BOUNDARY
- CONTOUR
- - - 1:100YR FLOOD LEVEL RL 2.8m AHD

- PROPOSED GRATED SURFACE INLET PIT
- PROPOSED STORM WATER PIPE

CATCHMENT PLAN
1:1000

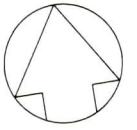
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
B	Camp sites within 100m of forest removed	DC	DC	BL*	BL*	28/06/15*
A	Original Issue	DC	DC			23/06/15*

* Denote the original signature and date when revision was issued.

**TATTERSALL
LANDER** Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:2000 for A3 size Plot	SHEET No. : 12	FILE : 21600018	SHEET SIZE
COMPUTER FILE : S:\Clients\2015\215039\Drawings\Prelim Design - Amended Layout.dwg	JOB No. : 215039	DATE : Plotted 09:48 11/04/17	A3

TAREAN RD



STAGE 1

STAGE 3

STAGE 2

LEGEND

- STAGE 1 - 83 sites
 - STAGE 2 - 38 sites
 - STAGE 3 - 38 sites
- TOTAL = 159 sites

C	Reduced Footprint - Lower Tier Deleted	AV	AV	DC*	BL*	11/04/17*
B	Camp sites within 100m of forest removed	DC	DC	BL*	BL*	28/06/16*
A	Original Issue	DC	DC	-	-	23/06/16*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

TATTERSALL LANDER Pty Ltd
 DEVELOPMENT CONSULTANTS

SCALE: 1:2000 for A3 Size Plot
 SHEET No.: 13
 JOB No.: 215039
 FILE: 21600010
 DATE: Plotted 09:48 11/04/17
 A3

COMPUTER FILE: S:\Clients\2015\215039\0\wg\Prelim Design - Amended Layout.dwg



PLANT LIST	QUANTITY
Retain Existing Tree	
<i>Toona ciliata</i> (Australian Red Cedar)	10
<i>Glochidion ferdinandi</i> (Cheese Tree)	5
<i>Eucalyptus tereticornis</i> (Forest Red Gum)	7
<i>Hymenosporum flavum</i> (Native Frangipani)	17
<i>Elaeocarpus reticulatus</i> (Blueberry Ash)	15
<i>Banksia serrata</i> (Old Man Banksia)	5
<i>Banksia ericifolia</i> (Heath Leaved Banksia)	14
<i>Grevillea</i> (Bronze Rambler or similar) groundcover	116
<i>Lomandra longifolia</i> (Mat Rush)	716
<i>Carex appressa</i> (Tall Sedge)	486
<i>Dianella caerulea</i> (Blue Flax Lily)	1000
<i>Viola hederacea</i> (Native Violet)	5000

NOTES

- Tubestock is considered acceptable for all plants.
- Landscaped areas are to be suitably edged to limit grass incursion.
- Landscaped areas are to be mulched with a native forest mulch to an approximate depth of 100mm, being careful to slope mulch away from all plants.
- Vegetated areas are to be watered weekly or as required for the first 12 months, after which it is expected that watering will only be required in times of drought.
- Weeding is to be undertaken as required, with especial emphasis in the first 12 months.
- Any plant protection is not to be plastic.

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
B	Reduced Footprint - Lower Tier Deleted	BF	AV	DC*	BL*	11/04/17
A	Original Issue	BF	BF	BL*	BL*	28/06/16

* Denote the original signature and date when revision was issued.

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE: 1:1000 for A3 Size Plot

SHEET No.: 14
JOB No.: 215039
DATE: Plotted 09/07/11/04/17

FILE: 21600011
COMPUTER FILE: S:\Clients\2015\215039\Drawings\Prelim Design - Amended Layout.dwg

A3

PLANT LIST	QUANTITY
○ <i>Toona ciliata</i> (Australian Red Cedar)	10
○ <i>Glochidion ferdinandi</i> (Cheese Tree)	5
○ <i>Eucalyptus tereticornis</i> (Forest Red Gum)	7
○ <i>Hymenosporum flavum</i> (Native Frangipani)	17
○ <i>Elaeocarpus reticulatus</i> (Blueberry Ash)	15
○ <i>Banksia serrata</i> (Old Man Banksia)	5
○ <i>Banksia ericifolia</i> (Heath Leaved Banksia)	14
● <i>Crevillea</i> (Bronze Rambler or similar) groundcover	116
• <i>Lomandra longifolia</i> (Mat Rush)	716
• <i>Carex appressa</i> (Tall Sedge)	486
▨ <i>Dianella caerulea</i> (Blue Flax Lily)	1000
▩ <i>Viola hederacea</i> (Native Violet)	5000

- NOTES**
- Tubestock is considered acceptable for all plants.
 - Landscaped areas are to be suitably edged to limit grass incursion.
 - Landscaped areas are to be mulched with a native forest mulch to an approximate depth of 100mm, being careful to slope mulch away from all plants.
 - Vegetated areas are to be watered weekly or as required for the first 12 months, after which it is expected that watering will only be required in times of drought.
 - Weeding is to be undertaken as required, with especial emphasis in the first 12 months.
 - Any plant protection is not to be plastic.



B	Reduced Footprint - Lower Tier Deleted	BF	AV	DC*	BL*	11/04/17	TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE: 1:1000 for A3 Size Plot	SHEET No.: 15	FILE: 21600012	SHEET SIZE: A3
A	Original Issue	BF	BF	BL*	BL*	28/06/16		JOB No.: 215039	DATE: Plotted 09:57 11/04/17		
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE					

* Denote the original signature and date when revision was issued.

COMPUTER FILE: S:\Clients\215039\00\p\PreIn Design - Amended Layout.dwg