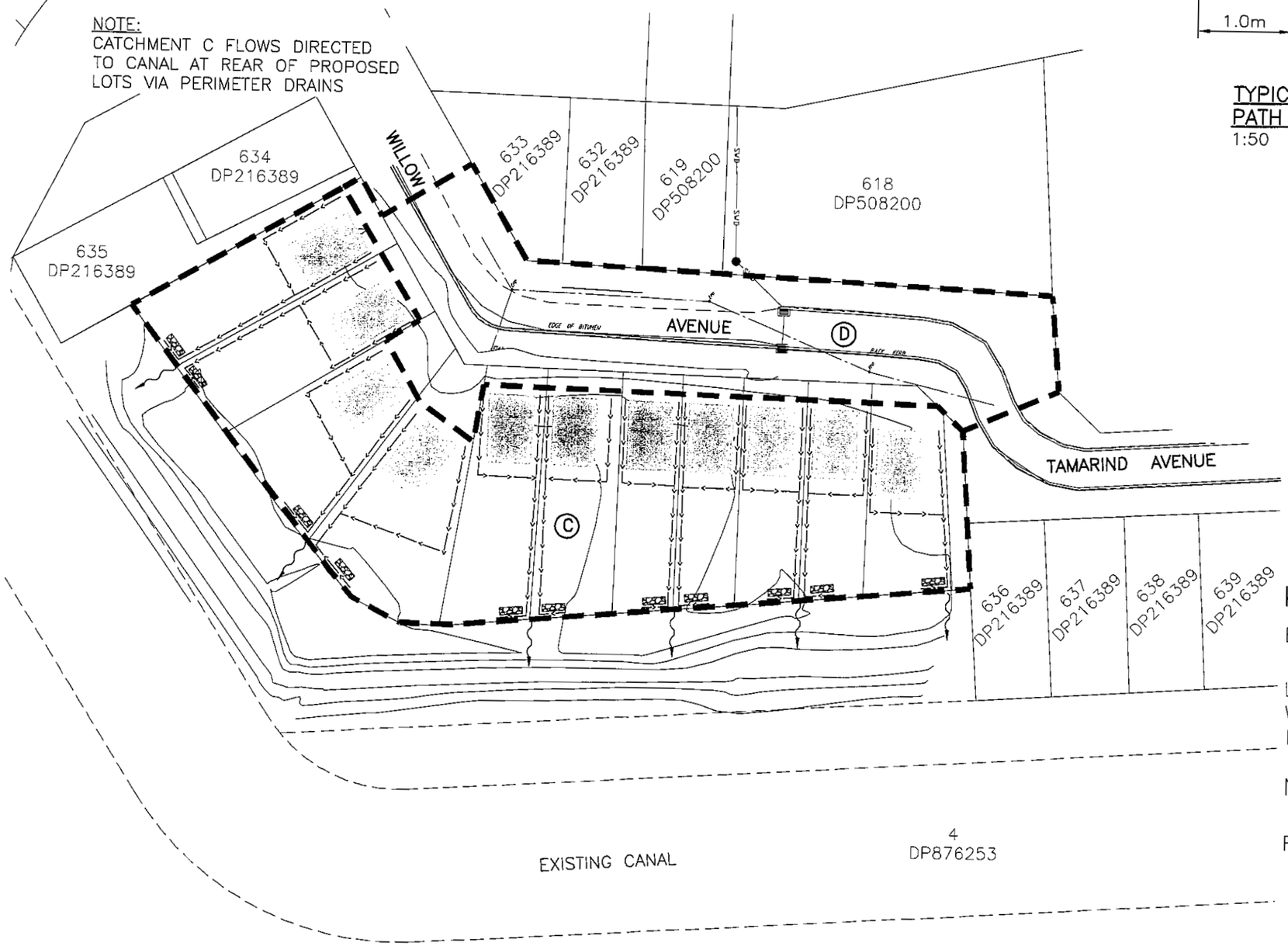
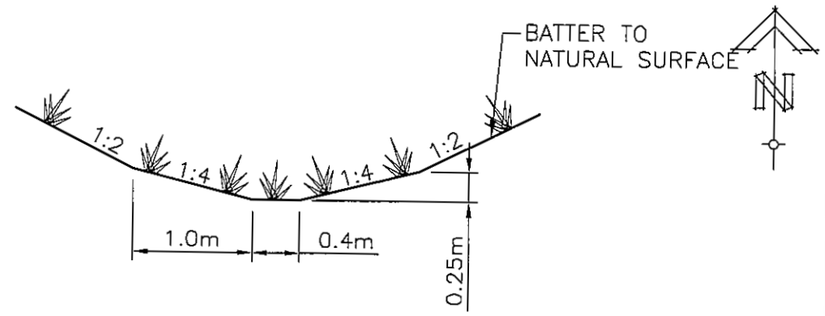
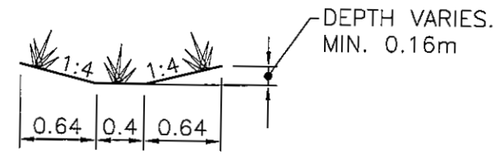
CATCHMENT	AREA (ha)	ARI (yrs) MINOR/MAJOR	tc (min)	SUBCATCHMENT Q5(m^3/sec)	SUBCATCHMENT Q100(m^3/sec)
C	0.8554	5 / 100	15	0.212	0.421
D	0.4349	5 / 100	5	0.177	0.345





TYPICAL OVERLAND FLOW PATH CROSS SECTION
1:50



TYPICAL PERIMETER DRAIN CROSS SECTION
1:50

LEGEND

PROPOSED PERIMETER DRAINS
OVERLAND FLOW PATH
INFILTRATION TRENCH

KENMAR FARMS PTY LTD

ENGINEERING IMPACT ASSESSMENT

LOT 4 DP876253
WILLOW AVENUE
BOGANGAR, NSW

N–T9009.00 – SK 20101119

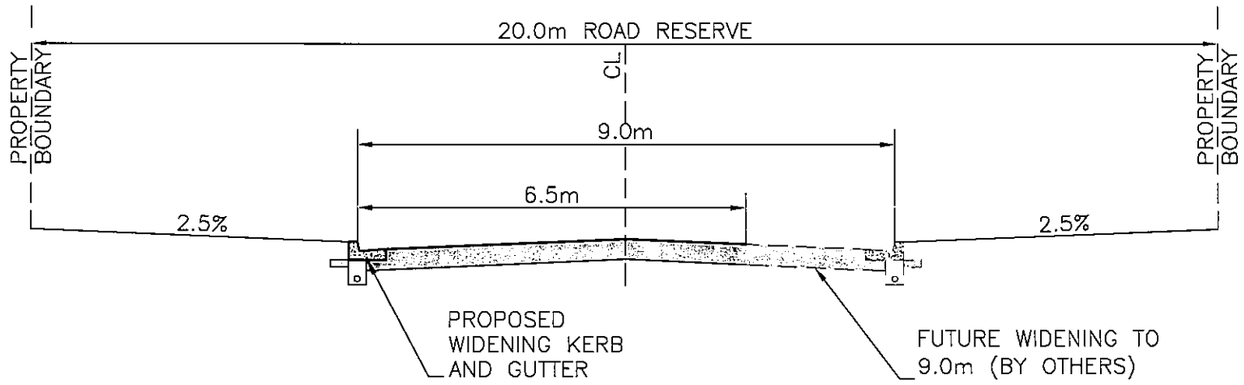
REVISED STORMWATER MANAGEMENT PLAN

OPUS QANTEC McWILLIAM

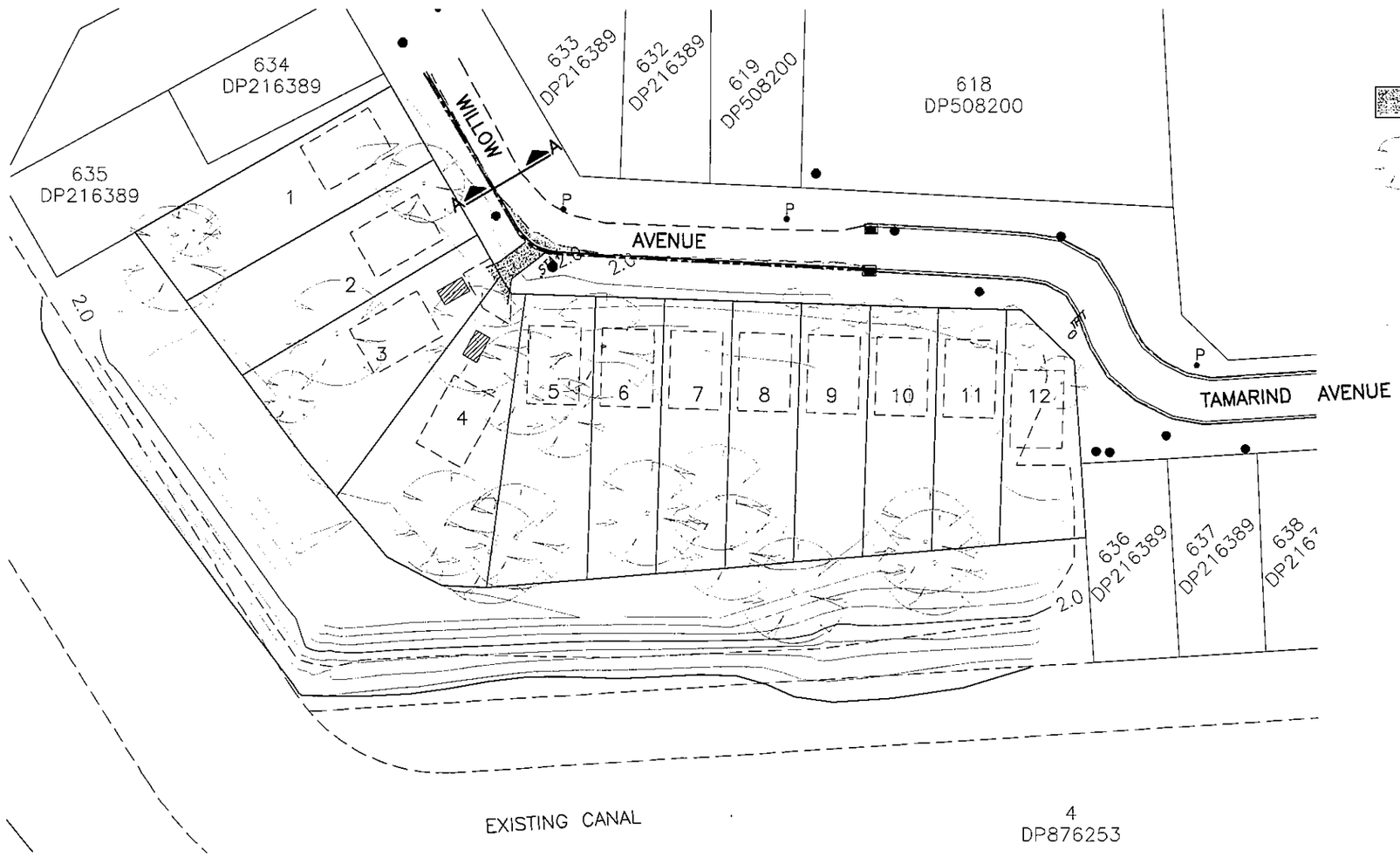
A.B.N. 79 086 342 065

1/10 Rivendell
PO Box 6389
Tweed Heads South NSW 2486
Telephone: (07) 5523 1755
Facsimile: (07) 5523 9664
E-Mail: tweedheads@opusqmcw.com.au

A3 N–T9009.00 NOVEMBER, 2010



A–A TYPICAL CROSS SECTION
1:100



LEGEND

- EXISTING KERB AND GUTTER
- EXISTING EDGE OF BITUMEN
- PROPOSED KERB AND GUTTER
- PROPOSED CONCRETE DRIVEWAY
- INDICATIVE 10m x 15m BUILDING PAD
- PROPOSED VISITOR CAR PARKS
- EXISTING TELSTRA PIT
- EXISTING POWER POLE
- EXISTING GULLY PIT
- EXISTING SERVICE MANHOLES
- PROPOSED ROAD WIDENING
- EXISTING TREES AND VEGETATION TO BE RETAINED (REFER LANDSCAPE CONCEPT PLAN)

KENMAR FARMS PTY LTD

ENGINEERING IMPACT ASSESSMENT

LOT 4 DP876253
WILLOW AVENUE
BOGANGAR, NSW

FIGURE No. 4.0

PROPOSED WILLOW AVENUE ROAD WIDENING

OPUS QANTEC McWILLIAM

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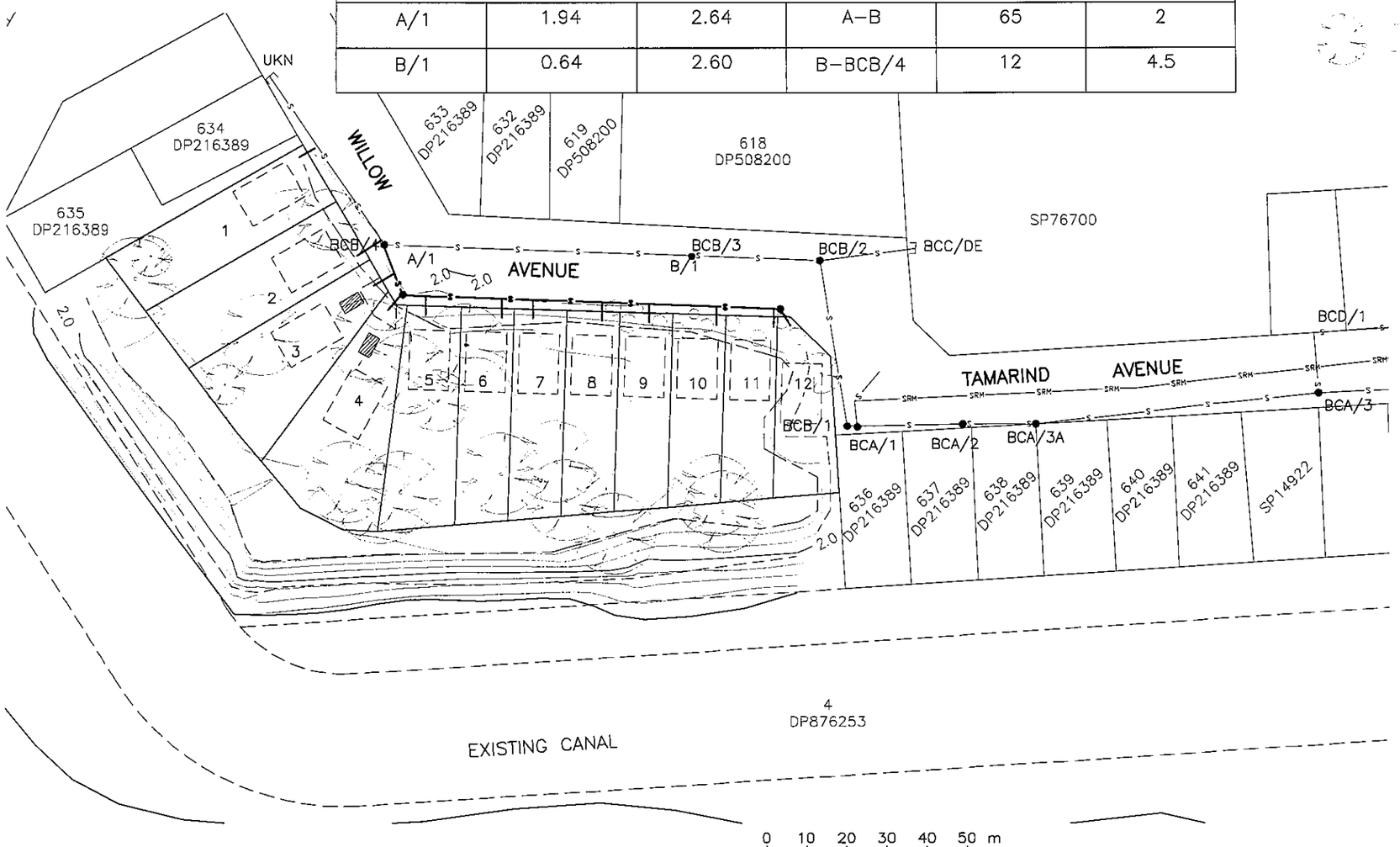
A3 N–T9009.00 AUGUST, 2010 ~~JUNE, 2009~~

EXISTING SEWER					
MANHOLE (MH)	INVERT LEVEL m(AHD)	SURFACE LEVEL m(AHD)	LINE	LENGTH (m)	GRADE %
DE	1.41	2.21	DE–BCB/4	37.6	3.51
BCB/4	0.09	2.39	DE–BCB/4	37.6	3.51
BCB/3	–0.65	2.21	BCB/4–BCB/3	77.3	0.95
BCB/2	–1.06	2.4	BCB/3–BCB/2	32.4	1.26
BCB/2	–1.49	2.46	BCB/2–BCB/1	42.4	1.01
PROPOSED SEWER					
A/1	1.94	2.64	A–B	65	2
B/1	0.64	2.60	B–BCB/4	12	4.5

LEGEND

150mm	PROPOSED SEWER
150mm	EXISTING SEWER
BCA/3	EXISTING SEWER MANHOLE NUMBERS
A/1	PROPOSED SEWER MANHOLE NUMBERS
	INDICATIVE 10m x 15m BUILDING PAD
	PROPOSED VISITOR CAR PARKS
	EXISTING TREES AND VEGETATION TO BE RETAINED (REFER LANDSCAPE CONCEPT PLAN)



KENMAR FARMS PTY LTD

ENGINEERING IMPACT ASSESSMENT

LOT 4 DP876253
WILLOW AVENUE
BOGANGAR, NSW

FIGURE No. 10.2

PROPOSED SEWER PLAN

OPUS QANTEC McWILLIAM

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Facsimile: (07) 5523 9664
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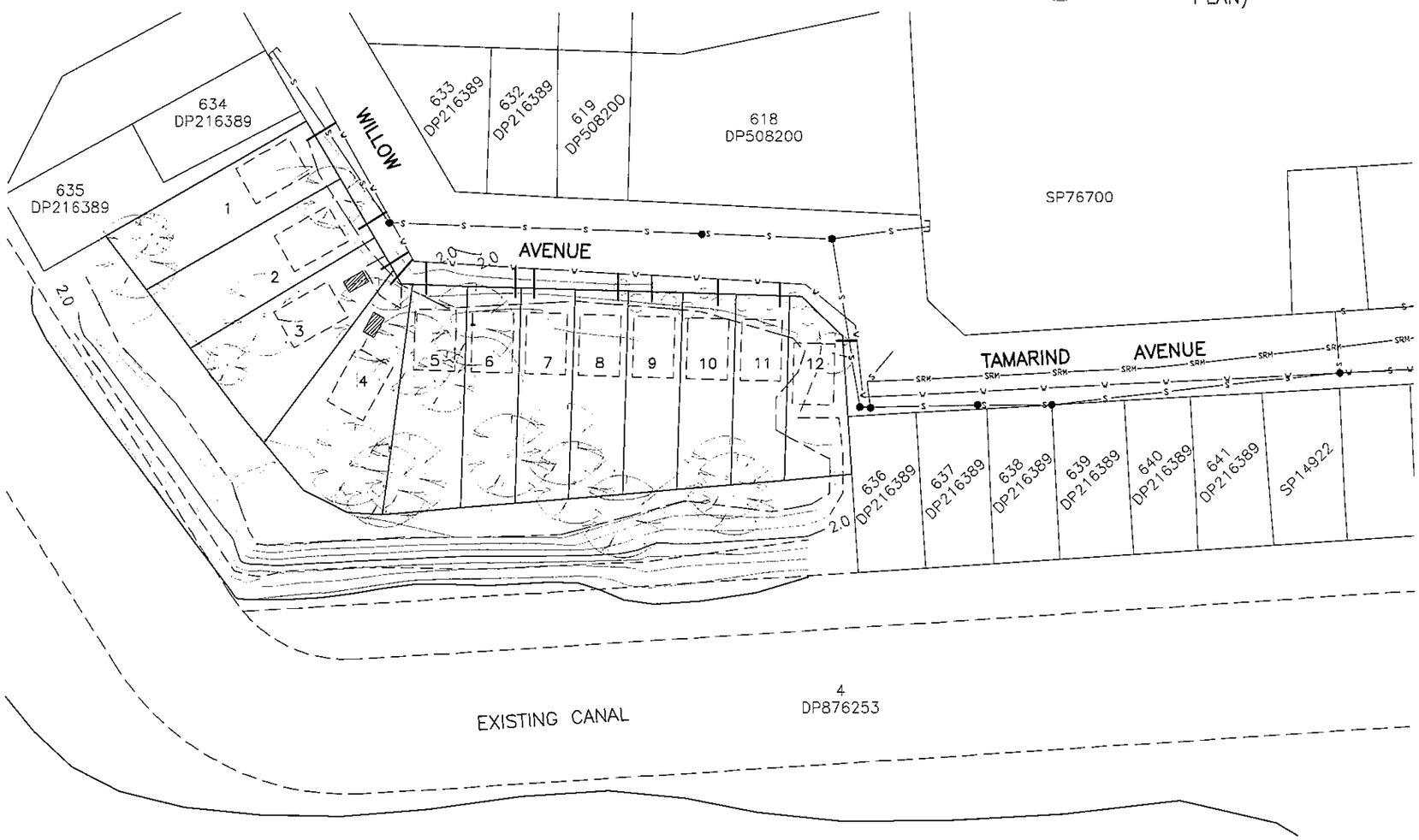
LEGEND

100mm —W—W—	PROPOSED WATER RETICULATION
150mm —w—w—	EXISTING WATER RETICULATION
100mm —SRM—	EXISTING WATER RETICULATION
	INDICATIVE 10m x 15m BUILDING PAD
	PROPOSED VISITOR CAR PARKS
	EXISTING TREES AND VEGETATION TO BE RETAINED (REFER LANDSCAPE CONCEPT PLAN)



0 10 20 30 40 50 m
1:1,250 UNREDUCED

KENMAR FARMS PTY LTD

ENGINEERING IMPACT ASSESSMENT

LOT 4 DP876253
WILLOW AVENUE
BOGANGAR, NSW

FIGURE No. 10.3

PROPOSED WATER PLAN

OPUS QANTEC McWILLIAM

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A3 N-T9009.00 AUGUST, 2010 ~~JUNE, 2009~~

1 SITE LOCATION PLAN
scale nts

DESIGN INTENT

The proposed landscape treatment for this development is intended to achieve the following sustainable design outcomes:

•The preservation of local visual amenity by using endemic planting to screen views into the site from adjacent properties, canal and streetscape vantage points

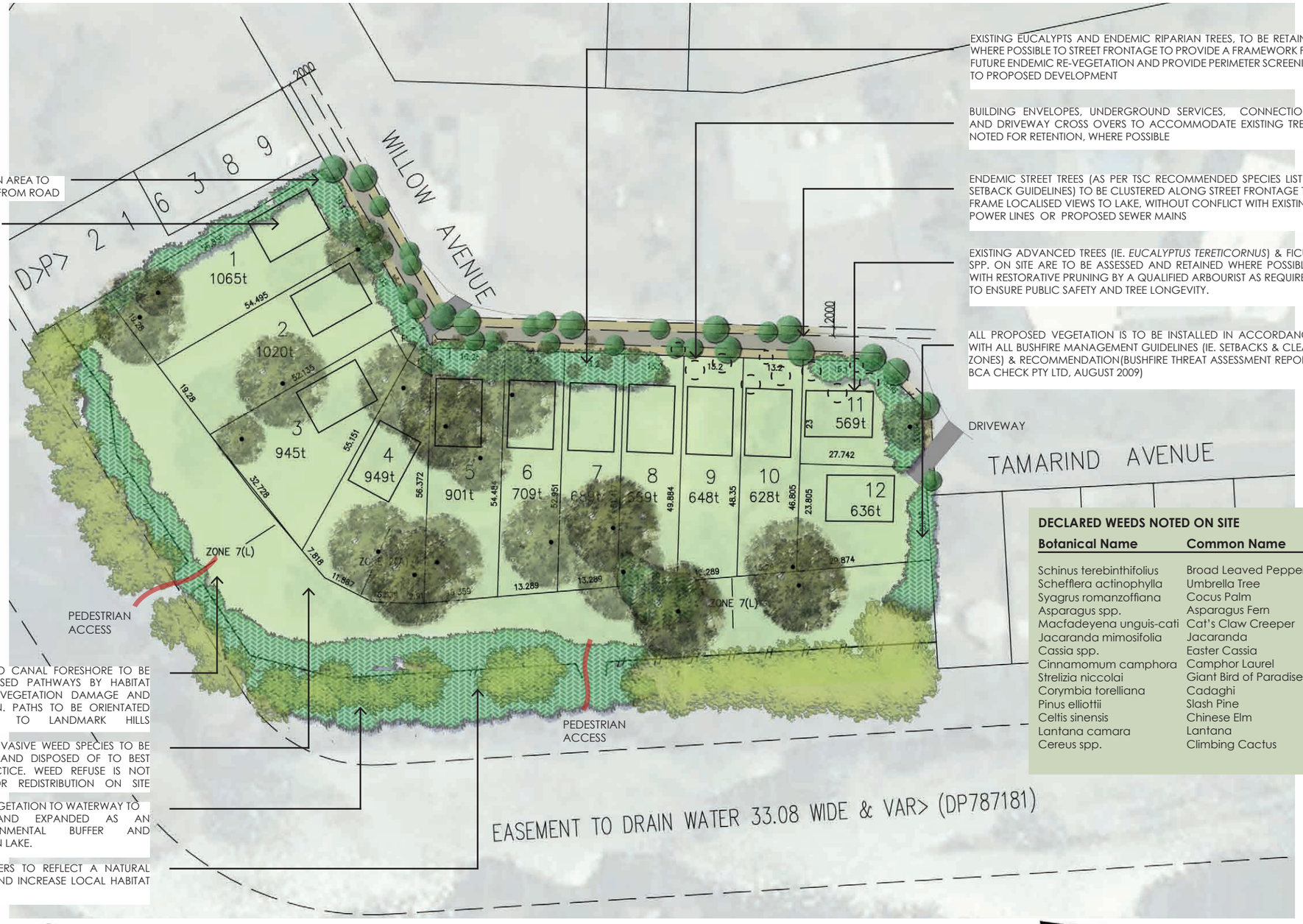
•The rehabilitation and expansion of existing site vegetation as appropriate, to buffer the sensitive riparian catchment areas adjacent to the site

•To enhance local ecological integrity by removing weed species from the site and planting wildlife habitat plants with nesting boxes etc.

•To provide an enriched and integrated outdoor environment for the recreational and social opportunity of both future home owners and local residents, in complement with the existing landscape character of the wider community

LEGEND

- Existing Trees (to be retained where possible)
- Existing Vegetation (to be removed)
- Revegetation Area
- Proposed Foot Path
- Building Envelopes
- Existing Riparian Vegetation (to be retained)
- Proposed Street Tree
- Turf
- Habitat Fence
- Pedestrian Access



DECLARED WEEDS NOTED ON SITE

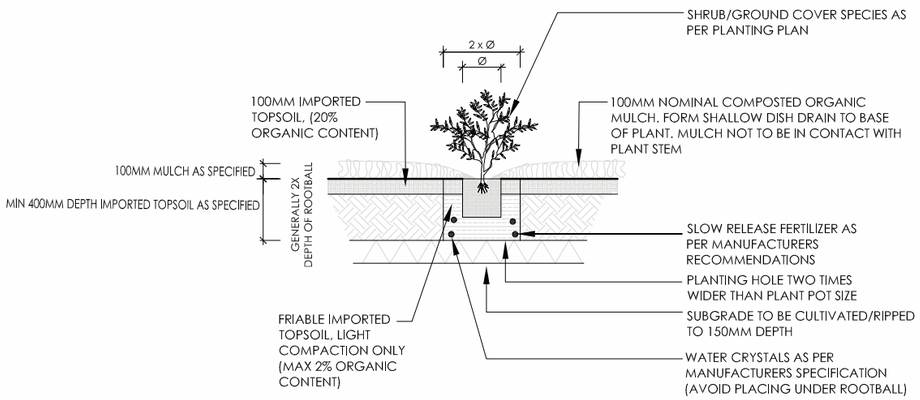
Botanical Name	Common Name
Schinus terebinthifolius	Broad Leaved Pepper
Schefflera actinophylla	Umbrella Tree
Syagrus romanzoffiana	Cocus Palm
Asparagus spp.	Asparagus Fern
Macfadeyena unguis-cati	Cat's Claw Creeper
Jacaranda mimosifolia	Jacaranda
Cassia spp.	Easter Cassia
Cinnamomum camphora	Camphor Laurel
Strelizia niccolai	Giant Bird of Paradise
Corymbia torelliana	Cadaghi
Pinus elliottii	Slash Pine
Celtis sinensis	Chinese Elm
Lantana camara	Lantana
Cereus spp.	Climbing Cactus

2 LANDSCAPE CONCEPT
scale 1:1000 @ A3

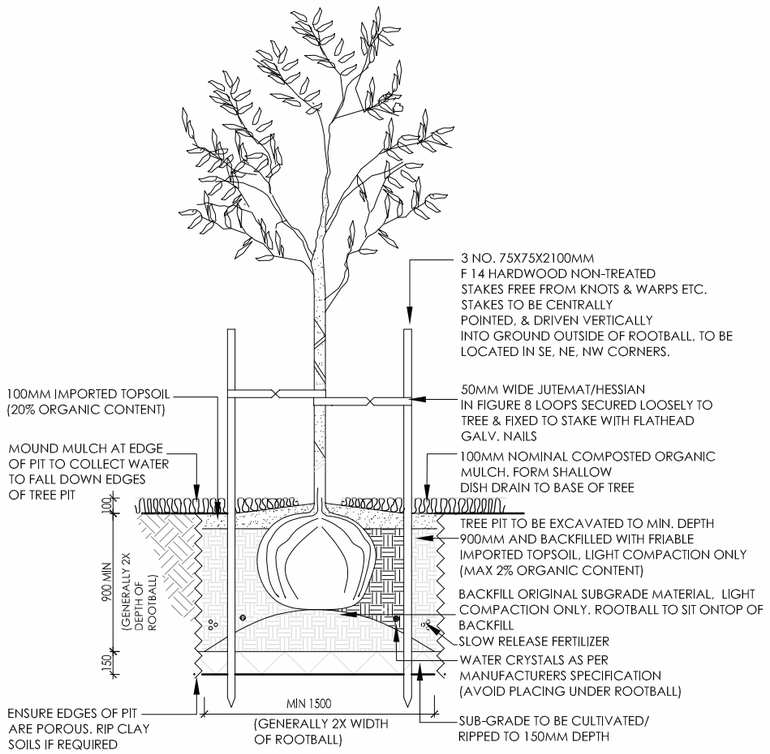
project name: WILLOW AVENUE - BOGANGAR, NSW	drawing title: **LANDSCAPE CONCEPT PLAN**	scale: as shown	project no.: L9019.1
client: KENMAR FARMS PTY LTD		revision date: 31/08/09	drawing no.: L-01 A
		drawing by: JG/YY	
		checked by: RA	

NORTH

LVO architecture



2 SHRUBS/GROUNDCOVER PLANTING DETAIL
scale 1:20 @ A3



3 TREE PLANTING DETAIL
scale 1:20 @ A3

1 SECTION VIEW
scale nts

LANDSCAPE GUIDELINES

Sediment & Erosion Control

•All necessary precautions are to be taken to prevent sediment dispersal from site with applicant to ensure compliance with all Council development conditions in relation to erosion control. (Refer to Institute of Engineers Australia Erosion & Sediment Control Guidelines for appropriate ESC mechanisms

Existing Vegetation

•Protect all nominated trees to be retained on and adjacent to the site both above and below ground, from damage or otherwise adverse impact, prior to construction as detailed
•No excavation works should encroach within the drip line of retained vegetation
•All services which can not otherwise be located which need to pass within tree root zone, should be installed using directional boring
•Prevent damage to tree bark and canopy. Do not attach stays, guys etc.
•All trees are to be assessed by a qualified arbourist to determine if restorative pruning as per AS 4373/96 "Pruning of Amenity Trees"
•Erect temporary protective enclosures or vehicle guards, and appropriate signage, outside the drip line of the tree. (As Detailed). Fence should be a minimum of 4M from the trunk of tree
•Do not store or otherwise place bulk or potentially harmful materials ie. construction refuse, concrete waste, herbicides, diesel etc., under or within 1M of tree drip line.
•Do not place spoil from excavation against trees or within these areas
•Avoid ground compaction under trees. If compaction does occur, ie. from the operation of a construction plant or vehicle parking, loosen and aerate the soil to a depth of 75mm by hand
•All Trees to be removed will be checked by a qualified ecologist prior to felling, to identify hollows and the presence of fauna. If fauna is found a qualified wildlife officer from the QPWS will be required on site to capture and relocate displaced native fauna during clearing
•Where practical, process cleared vegetation through a mechanical chipper for reuse on site as organic mulch and stockpile away from retained trees and drainage courses, for future distribution.
Do not chip noxious weed species

Weed Removal

All declared noxious weeds located within landscape works area, are to be removed and disposed of responsibly off site. Weed species identified on site include (refer *Weed Spp. Noted* on Drawing L-01)

Fallen Timber & Dead Trees

All fallen timber and dead trees cleared during site development, to be retained as wildlife habitat elements in revegetation areas, or else stock piled with general cleared refuse, prior to being chipped for redistribution to new garden beds and revegetation areas. Do not burn.

project name	drawing title:	scale: as shown	project no.:
WILLOW AVENUE - BOGANGAR, NSW	**VIEW SECTION & DESIGN DETAILS**	revision date: 31/08/09	L9019.1
client:		drawn by: JG/YY	drawing no.:
KENMAR FARMS PTY LTD		checked by: RA	L-02 A

LVO architecture

TREES

Banksia integrifolia

Terminalia catappa

Lophostemon confertus

Pandanus utiltis

FEATURE PLANTS

Doryanthes palmeri

Dracaena drago

Zamia furfuracea

Xanthorea fulva

MIDDLE STOREY

Callistemon viminalis

Melaleuca "Claret Tops"

Hibiscus tiliaceus

Grevillea "Marmalade"

Xanthostemon chrysanthus

UNDERSTOREY & GROUNDCOVERS

Syzigium wilsonii

Cordyline terminalis var Rubra

Cissus antartica

Dianella caerulea "Breeze"

Lomandra hystrix

ENVIRONMENTAL RESERVE REHABILITATION

Eucalyptus tereticornus

Allocasuarina littorallis

Juncus usitatus

Dianella caerulea

Isolepsis nodosa

PROPOSED PLANT PALETTE						
Code	Botanical Name	Common Name	Pot Size	Min. Height x Width (mm)	Stake	Centre (m)
TREES & PALMS						
ALL lit	*Allocasuarina littoralis*	Black She Oak	300mm	1200 x 400	1	n/a
BAN int	*Banskia integrifolia*	Coastal Banskia	45L	1600x701	1	n/a
CAL ino	*Calophyllum inophyllum*	Ball Nut	300mm	1200x500	1	n/a
CAS cun	*Casuarina cunninghamiana*	River She-Oak	45L	1600 x 500	2	n/a
COR mac	*Corymbia maculata*	Spotted Gum	45L	2200 x 500	2	n/a
CUP ana	*Cupaniopsis anacardioidies*	Tuckeroo	45L	2000 x 800	1	n/a
EUC tes	*Eucalyptus tessellasris*	Moreton Bay Ash	45L	2000 x 700	2	n/a
FIC mac	*Ficus macropylla*	Moreton Bay Fig	100L	2800 x1200	2	n/a
FLI sch	*Flindersia schottiana*	Bumpy Ash	45L	1800 x 800	1	n/a
LIV dec	*Livingstonia decipiens*	Fan Palm	45L	1200x600	1	n/a
LOP con	*Lophostemon confertus*	Queensland Brush Box	45L	1800 x 800	1	n/a
MEL qui	*Melaleuca quiquinervia*	Broad-Leaf Paperbark	45L	1200x600	1	n/a
PAN uti	*Pandanus utiltis*	Screw Pine	100L	1600x600	n/a	n/a
TER cat	*Terminalia catappa*	Pacific Almond	45L	2000x800	1	n/a
FEATURE PLANTS						
COR str	*Cordyline stricta*	Cordyline	200mm	600x300	n/a	n/a
DOR pal	*Doryanthes palmeri*	Spear Lily	140mm	400x400	n/a	n/a
DRA dra	*Dracaena drago*	Dragon's Blood Tree	45L	1200x600	n/a	n/a
XAN ful	*Xanthorea fulva*	Native Grass Tree	300MM	100x400	n/a	n/a
ZAM fur	*Zamia furfuracea*	Cardboard Plant	200mm	400x300	n/a	n/a
MIDDLE STOREY						
ACM smi	*Acmena smithii*	Lilly Pilly	300mm	1400 x 600	n/a	n/a
CAS gla	*Casuarina glauca*	She Oak	140mm	800x300	n/a	n/a
CAL vim	*Callistemon viminalis*	Red Bottle Brush	200MM	600x200	n/a	n/a
GRE M	*Grevillea "Marmalade"*	Orange Grevillea	300MM	900x400	n/a	n/a
HIB til	*Hibiscus tiliaceus*	Beach Hibiscus	300mm	600 x 300	n/a	n/a
HOE acu	*Hovea acutifolia*	Pointed Leave Hovea	200mm	500x200	n/a	n/a
MEL CT	*Melaleuca "Claret Tops"*	Dwarf Red Paper Park	200mm	400 x 300	n/a	n/a
SYZ AS	*Syzydium"Aussie Southern"*	Lily Pilly	200mm	500x300	n/a	n/a
XAN chr	*Xanthostemon chrysanthus*	Golden Penda	300mm	1200x500	n/a	n/a
UNDERSTOREY						
BAN rob	*Banskia robor*	Swamp Banskia	200MM	600x300	n/a	750
COR rub	*Cordyline terminalis var Rubra*	Red Cordyline	200mm	600x300	n/a	750
SYZ wil	*Syzigium wilsonii*	Powder Puff Lilly Pilly	200MM	400x 300	n/a	750
WES fru	*Westringia fruticosa*	Native Rosemary	140mm	300x200	n/a	1000
GROUNDCOVERS						
CIS ant	*Cissus antartica*	Kangaroo Vine	140mm	300x200	n/a	750
DIA atr	*Dianella atraxis*	Broad Leaf Flax Lilly	140mm	200 x 300	n/a	750
DIA B	*Dianella caerulea "Breeze"*	Blue Flax Lilley	140mm	300x200	n/a	750
LOM hys	*Lomandra hystrix*	Creek Matt rush	140mm	400 x 300	n/a	1000
ENVIRONMENTAL RESERVE REHABILITATION						
TREES						
ALL lit	*Allocasuarina littorallis*	Black She Oak	300MM	1200X300	1	n/a
EUC tes	*Eucalyptus tereticornus*	Forest Red Gum	45L	1600X500	1	n/a
LOP sua	*Lophostemon suaveolens*	Swamp Box	300mm	1200x500	1	n/a
MEL qui	*Melaleuca quinquenervia*	Paperbark tea tree	300mm	1200x500	1	n/a
GROUND COVERS						
DIA cae	*Dianella caerulea*	Blue Flax Lilley	TUBE	n/a	n/a	500
GHA asp	*Gahnia aspera*	Saw Sedge	TUBE	n/a	n/a	400
ISO nod	*Isolepsis nodosa*	Club Rush	TUBE	n/a	n/a	300
JUN usi	*Juncus usitatus*	Common Rush	TUBE	n/a	n/a	300
LOM lon	*Lomandra longifolia*	Mat Rush	TUBE	n/a	n/a	500

project name
WILLOW AVENUE - BOGANGAR, NSW
client:
KENMAR FARMS PTY LTD

drawing title:
LANDSCAPE PLANTING

scale: as shown
revision date: 31/08/09
drawn by: JG/YY
checked by: RA

project no.: L9019.1
drawing no.: L-03 A

LVO architecture

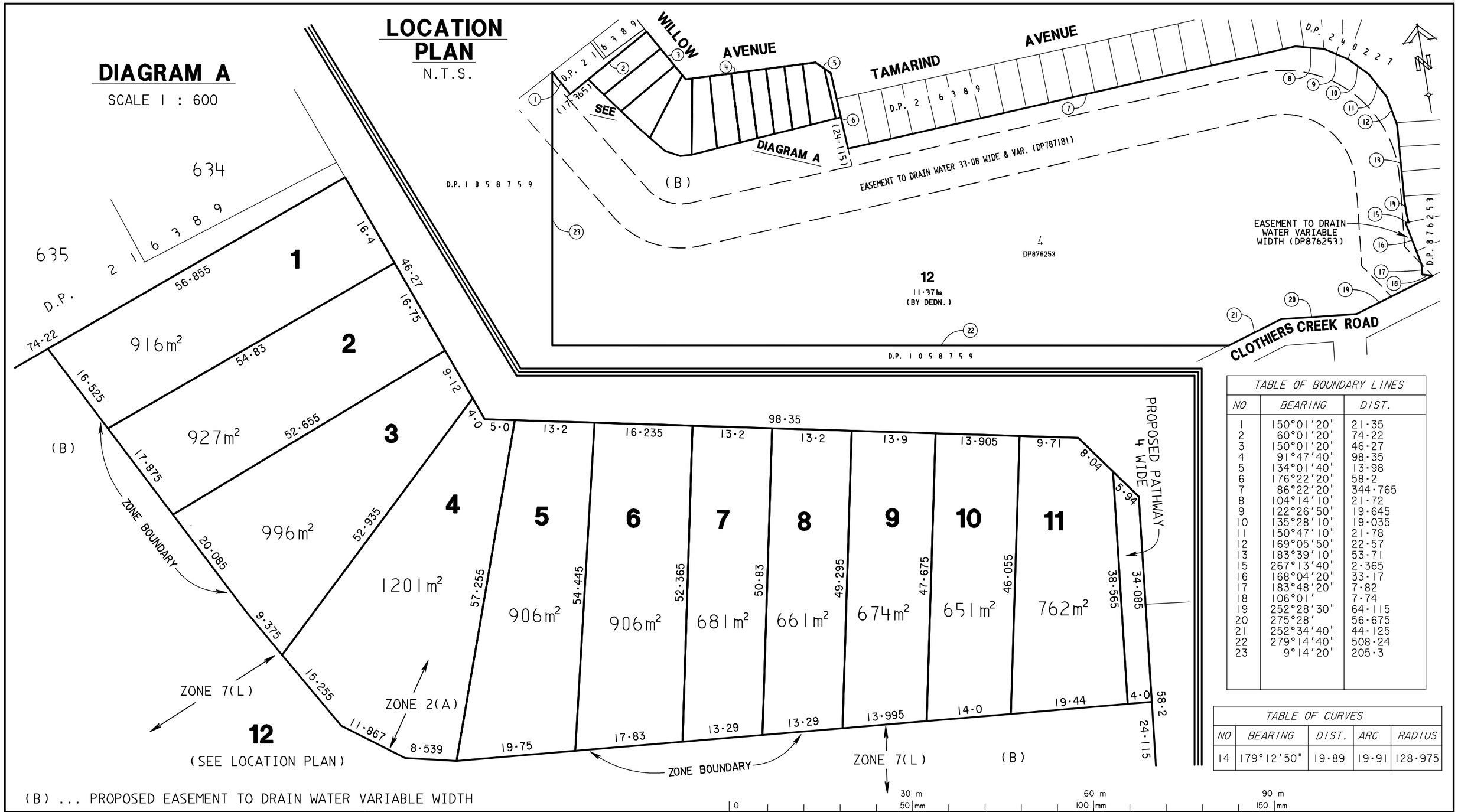


TABLE OF BOUNDARY LINES		
NO	BEARING	DIST.
1	150°01'20"	21·35
2	60°01'20"	74·22
3	150°01'20"	46·27
4	91°47'40"	98·35
5	134°01'40"	13·98
6	176°22'20"	58·2
7	86°22'20"	344·765
8	104°14'10"	21·72
9	122°26'50"	19·645
10	135°28'10"	19·035
11	150°47'10"	21·78
12	169°05'50"	22·57
13	183°39'10"	53·71
15	267°13'40"	2·365
16	168°04'20"	33·17
17	183°48'20"	7·82
18	106°01'	7·74
19	252°28'30"	64·115
20	275°28'	56·675
21	252°34'40"	44·125
22	279°14'40"	508·24
23	9°14'20"	205·3

TABLE OF CURVES				
NO	BEARING	DIST.	ARC	RADIUS
14	179°12'50"	19·89	19·91	128·975

Revision	Chk'd
Rev D – 5/11/10 – Revised Layout	
Rev C – 30/06/10 – Amend lots 1–5 & 11–12	
Rev B – 26/08/09 – Additional Info	
Rev A – 13/7/09 – Additions	

REGISTERED PROPRIETOR:

KENMAR FARMS PTY LTD/
HANSEN DEVELOPMENTS PTY LTD

Important Notes:

THE PROPOSED BOUNDARIES, AREAS AND DIMENSIONS AS SHOWN HEREON ARE PRELIMINARY ONLY AND ARE SUBJECT TO FINAL DESIGN, FINAL SURVEY AND REGISTRATION IN THE LANDS TITLE OFFICE.

ZONE BOUNDARIES COMPILED FROM TWEED LEP 2000 MAP NO.23 ON 13/7/2009.

ZONE 2(A)... LOW DENSITY RESIDENTIAL
ZONE 7(L)... ENVIRONMENTAL PROTECTION (HABITAT)

(THIS NOTE IS AN INTEGRAL PART OF THIS PLAN)

PLAN OF PROPOSED SUBDIVISION

Of Lot 4 in DP876253

Willow Avenue – Bogangar

Parish of CUDGEN County of ROUS

J:\14400\14448\Projects\17199D–D.pro

B & P SURVEYS
CONSULTING SURVEYORS
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30 Beryl Street
Tweed Heads,NSW,2485,Australia
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Email: tweed@bpsurveys.com.au
Webpage: www.bpsurveys.com.au
Offices Also At : Surfers Paradise Ph.(07)55390499 Murwillumbah Ph.(02)66721924
A QUALITY ASSURED COMPANY

Scale	Level Datum	F.Bk	L.Bk	Drawn RWK / Chk'd	Ref. No.	Date	Drawing No./Size	Rev.
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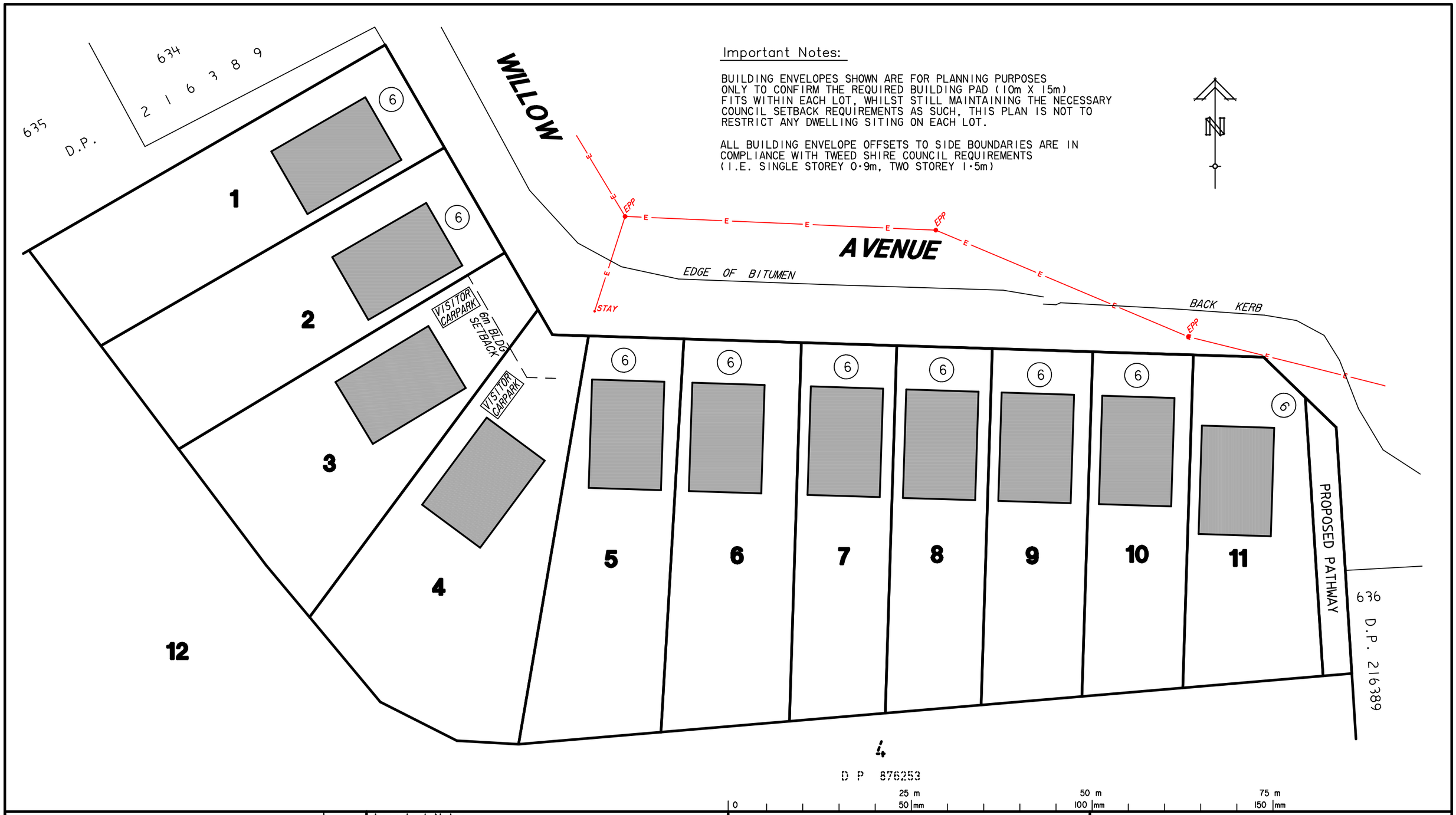

Rev B – Lot Configuration – 15/11/10
Rev A – Lot Configuration – 15/07/10

Revision	Chk'd

REGISTERED PROPRIETOR:

HANSEN DEVELOPMENTS

Important Notes: (THIS NOTE IS AN INTEGRAL PART OF THIS PLAN)

THE PROPOSED LOT BOUNDARIES AND NUMBERS SHOWN HEREON ARE PRELIMINARY ONLY AND ARE SUBJECT TO FINAL DESIGN, LOCAL AUTHORITY APPROVAL AND REGISTRATION IN THE DEPARTMENT OF LANDS NSW.

(6) ... DENOTES INDICATIVE BUILDING SETBACK

... DENOTES INDICATIVE 10m X 15m BUILDING PAD AS REQUIRED BY TWEED SHIRE COUNCIL

LOCATION PLAN

Showing Indicative Building Envelopes
Lot 4 in DP876253
Willow Avenue – Bogangar

Parish of CUDGEN County of ROUS

J:\14400\14448\Projects\17707D–B.pro

Scale	Level Datum	F.Bk	L.Bk	Drawn BJG / Chk'd
1 : 500 @ A3	–	L/L	–	

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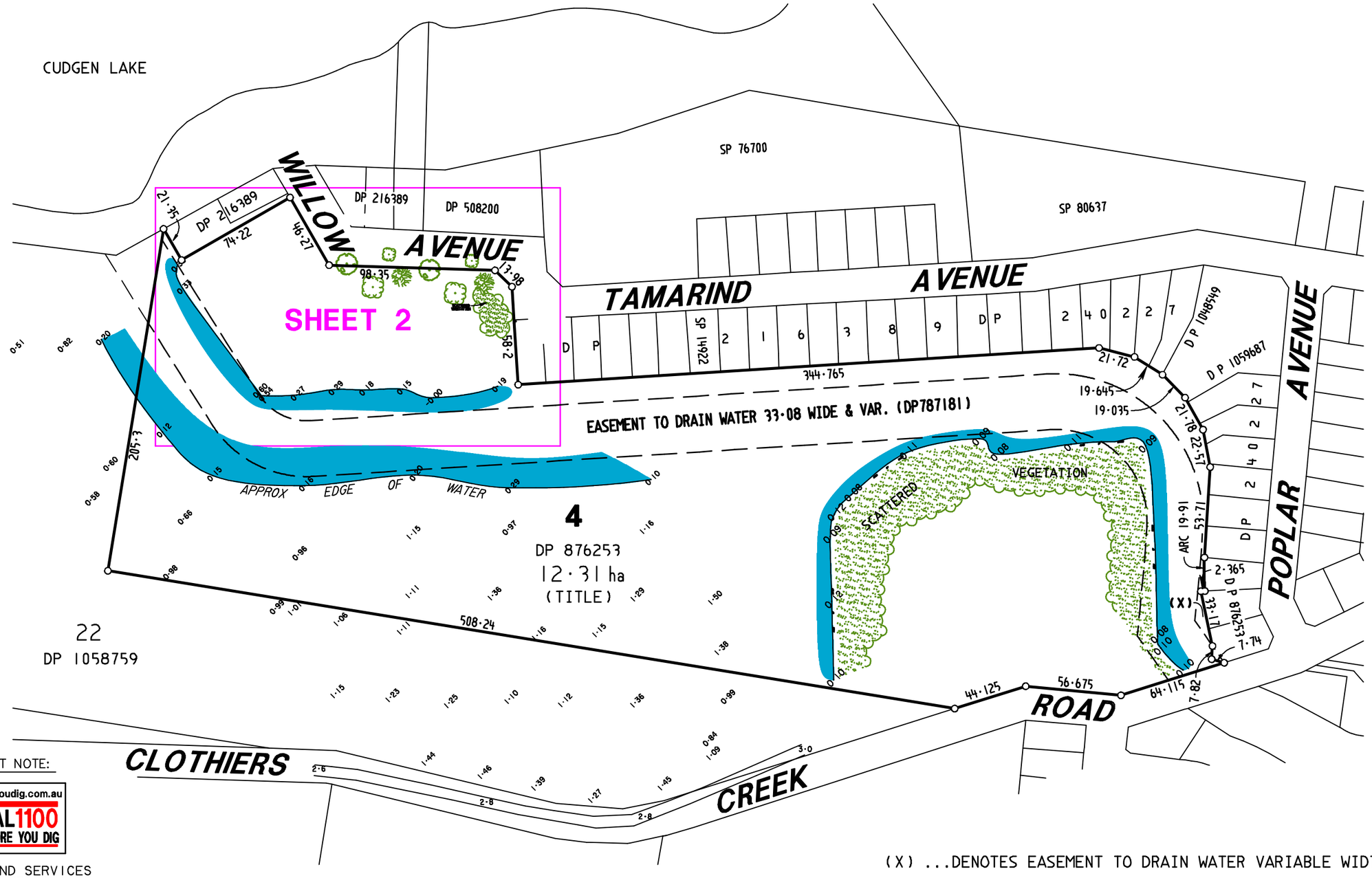
A QUALITY ASSURED COMPANY

Ref. No.	Date	Drawing No./Size	Rev.
T14448	29/06/2009	17707 D	B



SHEET 1 OF 2

Rev A – Additional Info – 26/08/09
Revision | Chk'd

Client

KENMAR FARMS PTY LTD

Important Notes: (THIS NOTE IS AN INTEGRAL PART OF THIS PLAN)

DATE OF SURVEY: 16, 25 & 26/07/2007
CONTOUR INTERVAL – 0.5 m
LEVEL DATUM: VIDE PM 41445 RL 2.425 AHD
CONTOURS ARE DERIVED FROM FIELD OBSERVATIONS AND ARE ACCURATE TO WITHIN HALF THE CONTOUR INTERVAL
ONLY VISIBLE SURFACE FEATURES OF UNDERGROUND SERVICES HAVE BEEN SHOWN.
NO REPORT IS MADE ON ANY UNDERGROUND SERVICES ON OR ADJACENT TO THE SITE.
PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATION OF ALL SERVICES.
THE TITLE BOUNDARIES AS SHOWN HEREON WERE NOT MARKED AT THE TIME OF SURVEY AND HAVE BEEN DETERMINED BY PLAN DIMENSIONS ONLY & NOT BY FIELD SURVEY.

EXISTING SITE SURVEY PLAN

of Lot 4 in DP 876253

Clothiers Creek Road – Bogangar

Parish of CUDGEN County of ROUS

J:\14400\14448\Projects\17697D–A.pro

Scale	Level Datum	F.Bk	L.Bk	Drawn BJG / Chk'd
1 : 2500 @ A3	AHD	L/L	–	

B & P SURVEYS
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A.B.N. 55 010 117 236
30 Beryl Street
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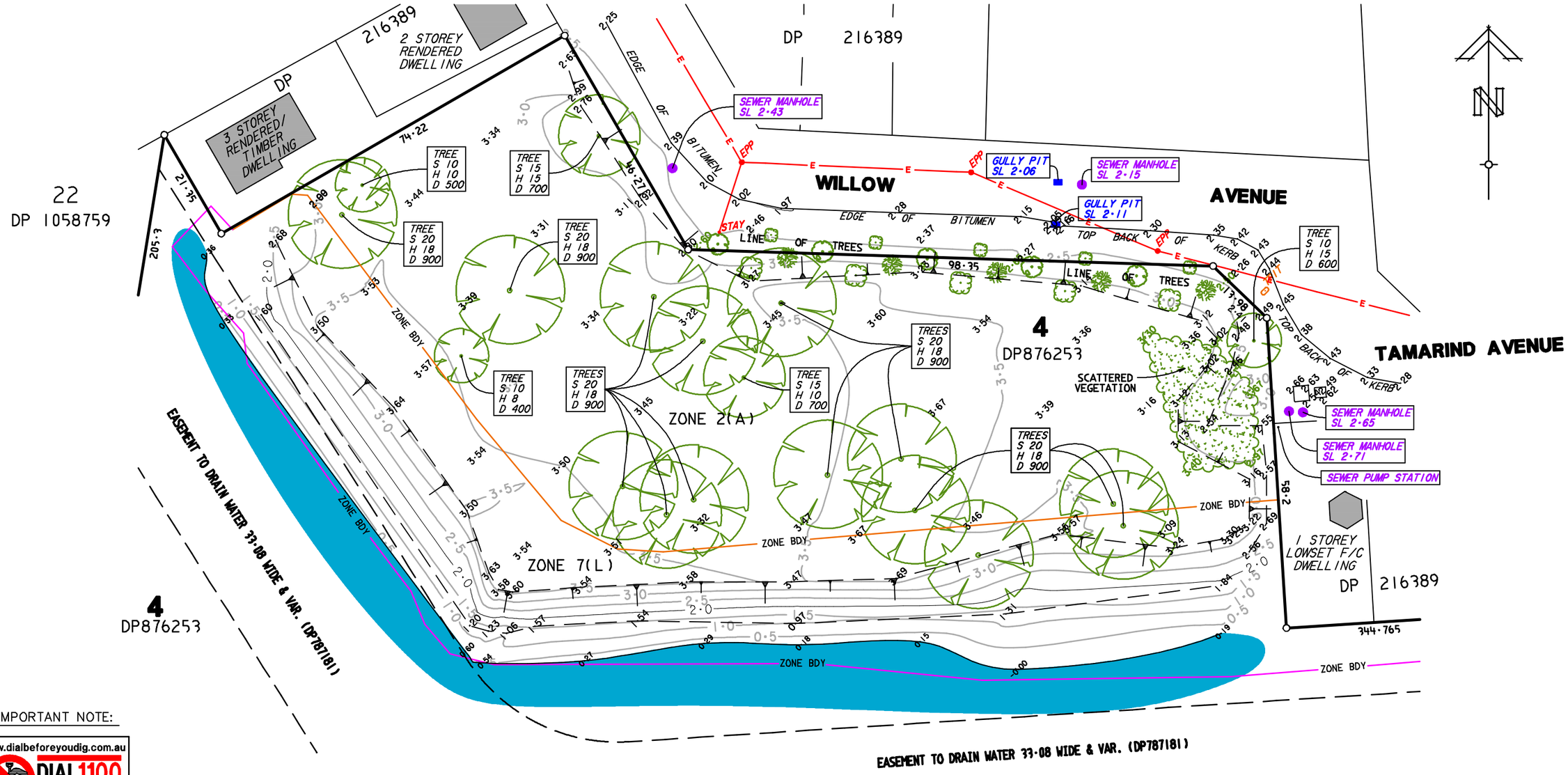
Fax: (07) 5536 3701
Email: tweed@bpsurveys.com.au
Webpage: www.bpsurveys.com.au
Offices Also At : Surfers Paradise Ph.(07)55390499 Murwillumbah Ph.(02)66721924
A QUALITY ASSURED COMPANY

Ref. No.	Date	Drawing No./Size	Rev.
T14448	23.06.2009	17697 D	A



IMPORTANT NOTE:

www.dialbeforeyoudig.com.au DIAL 1100 BEFORE YOU DIG

ALL UNDERGROUND SERVICES SHOULD BE LOCATED ONSITE BY RELEVANT AUTHORITIES BEFORE ANY WORK IS COMMENCED.

0m 10 20 30 40 50 60 70 80

Scale in Metres

...DENOTES ABOVE GROUND ELECTRICITY
EPP ...DENOTES ELECTRICITY POWER POLE
STAY ...DENOTES ELECTRICITY STAY POLE
TPIT ...DENOTES TELSTRA PIT

SHEET 2 OF 2

Rev A – Additional Info – 26/08/09
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EXISTING SITE SURVEY PLAN

of Lot 4 in DP 876253

Clothiers Creek Road – Bogangar

Parish of CUDGEN County of ROUS

J:\14400\14448\Projects\17697D–A.pro

Scale	Level Datum	F.Bk	L.Bk	Drawn BJG / Chk'd
1 : 800 @ A3	AHD	L/L	–	

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T14448	23.06.2009	17697 D	A

Revision | Chk'd

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KENMAR FARMS PTY LTD

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DATE OF PHOTOGRAPHY: APPROX. MID 2007

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AERIAL PHOTOGRAPHY OVERLAY

of Lot 4 in DP 876253

Clothiers Creek Road – Bogangar

Parish of CUDGEN County of ROUS

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Scale	Level Datum	F.Bk	L.Bk	Drawn / Chk'd
1 : 2500 @ A3	–	–	–	BJG

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Ref. No.	Date	Drawing No./Size	Rev.
T14448	24.06.2009	17698 D	-

Rev A – Additional Info – 26/08/09
Revision | Chk'd

Client

KENMAR FARMS PTY LTD

Important Notes: (THIS NOTE IS AN INTEGRAL PART OF THIS PLAN)

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THE PROPSED BOUNDARIES AS SHOWN HEREON (DASHED) ARE PRELIMINARY ONLY AND ARE SUBJECT TO FINAL DESIGN, LOCAL AUTHORITY APPROVAL AND REGISTRATION IN THE DEPARTMENT OF LANDS NSW.

SURFSIDE BUSLINE ROUTE 603

LOCATION / CONTEXT PLAN

Of Lot 4 in DP 876253

Clothiers Creek Road, Bogangar

Parish of CUDGEN County of ROUS

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Scale	Level Datum	F.Bk	L.Bk	Drawn / Chk'd
1 : 6000 @ A3	–	–	–	BJG

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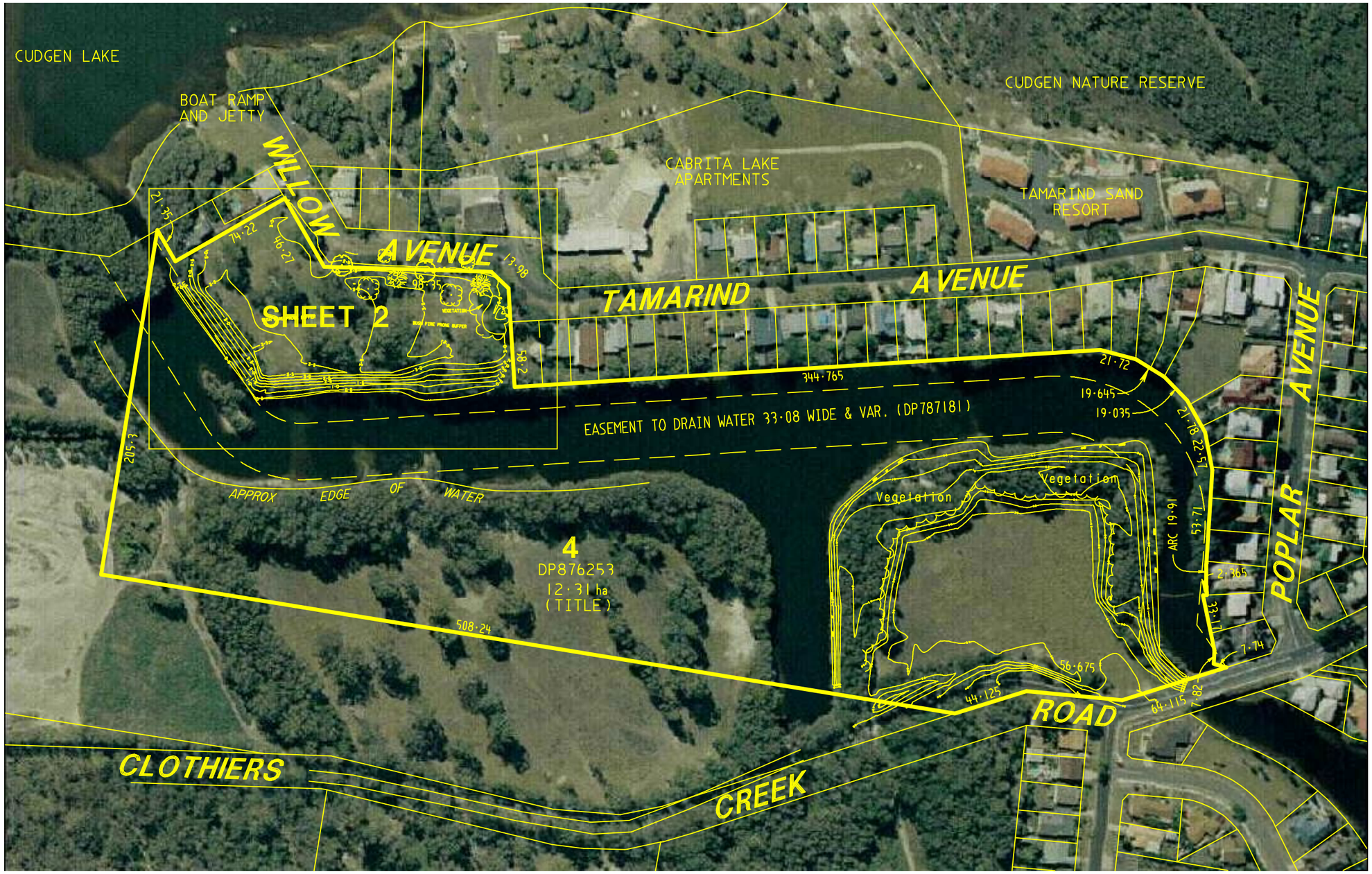
Ref. No.	Date	Drawing No./Size	Rev.
T14448	29.06.2009	17695 D	A



0m 50 100 150 200 250

Scale in Metres

SHEET 1 OF 2

Rev A – 26/08/09 – Additional Info Revision

Chk'd

Client

KENMAR FARMS PTY LTD

Important Notes: (THIS NOTE IS AN INTEGRAL PART OF THIS PLAN)

LEVEL AND DETAIL INFORMATION SHOWN HEREON TAKEN FROM B & P SURVEYS DRAWING NUMBER 17697D IN 2 SHEETS AND IS SUBJECT TO THE CONDITIONS STATED ON THIS PLAN.

IMPORTANT NOTE:

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ALL UNDERGROUND SERVICES SHOULD BE LOCATED ONSITE BY RELEVANT AUTHORITIES BEFORE ANY WORK IS COMMENCED.

PREVAILING WINDS ADOPTED FROM THE AUSTRALIAN GOVERNMENT BUREAU OF METEOROLOGY

SITE ANALYSIS PLAN

of Lot 4 in DP 876253

Clothiers Creek Road – Bogangar

Parish of CUDGEN County of ROUS

J:\14400\14448\Projects\17709D–A.pro

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T14448	23.06.2009	17709 D	A

0m 10 20 30 40 50 60 70 80

Scale in Metres

SHEET 2 OF 2

Rev A – 26/08/09 – Additional Info

Revision | Chk'd

Client

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ZONE 2(A) RESIDENTIAL
ZONE 7(L) ENVIRONMENTAL PROTECTION
ZONE I(A) RURAL

PREVAILING WINDS ADOPTED FROM THE AUSTRALIAN GOVERNMENT BUREAU OF METEOROLOGY

SITE ANALYSIS PLAN

of Lot 4 in DP 876253

Clothiers Creek Road – Bogangar

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