

IDAS form 1—Application details

(Sustainable Planning Act 2009 version 4.2 effective 3 August 2015)

This form must be used for **ALL** development applications.

You **MUST** complete **ALL** questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- complete this form (*IDAS form 1—Application details*)
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* (SPA) or the Sustainable Planning Regulation 2009.

This form and any other IDAS form relevant to your application must be used for development applications relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994* and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

PLEASE NOTE: This form is not required to accompany requests for compliance assessment.

Mandatory requirements

Applicant details (Note: the applicant is the person responsible for making the application and need not be the owner of the land. The applicant is responsible for ensuring the information provided on all IDAS application forms is correct. Any development permit or preliminary approval that may be issued as a consequence of this application will be issued to the applicant.)

Name/s (individual or company name in full)

Sixten Lundgren

For companies, contact name

Postal address

PO Box 2184

Suburb Warwick

State WA

Postcode

6024

Country Australia

Contact phone number

0417 699 662

Mobile number (non-mandatory requirement)

Fax number (non-mandatory requirement)

Email address (non-mandatory requirement)

SixtenL@yahoo.com.au

@

Applicant's reference number (non-mandatory requirement)

1. What is the nature of the development proposed and what type of approval is being sought?**Table A**—Aspect 1 of the application (If there are additional aspects to the application please list in Table B—Aspect 2.)

- a) What is the nature of the development? (Please only tick one box.)
- ☒ Material change of use ☐ Reconfiguring a lot ☐ Building work ☐ Operational work
- b) What is the approval type? (Please only tick one box.)
- ☐ Preliminary approval under s241 of SPA ☐ Preliminary approval under s241 and s242 of SPA ☒ Development permit
- c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a *multi-unit dwelling*, 30 lot residential subdivision etc.)
- Construction of a 2 bedroom house and sheds
- d) What is the level of assessment? (Please only tick one box.)
- ☐ Impact assessment ☒ Code assessment

Table B—Aspect 2 of the application (If there are additional aspects to the application please list in Table C—Additional aspects of the application.)

- a) What is the nature of development? (Please only tick one box.)
- ☐ Material change of use ☐ Reconfiguring a lot ☐ Building work ☐ Operational work
- b) What is the approval type? (Please only tick one box.)
- ☐ Preliminary approval under s241 of SPA ☐ Preliminary approval under s241 and s242 of SPA ☐ Development permit
- c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a *multi-unit dwelling*, 30 lot residential subdivision etc.)
-
- d) What is the level of assessment?
- ☐ Impact assessment ☐ Code assessment

Table C—Additional aspects of the application (If there are additional aspects to the application please list in a separate table on an extra page and attach to this form.)

- ☐ Refer attached schedule ☐ Not required

2. Location of the premises (Complete Table D and/or Table E as applicable. Identify each lot in a separate row.)

Table D—Street address and lot on plan for the premises or street address and lot on plan for the land adjoining or adjacent to the premises (Note: this table is to be used for applications involving taking or interfering with water.) (Attach a separate schedule if there is insufficient space in this table.)

- ☐ Street address **and** lot on plan (All lots must be listed.)
- ☐ Street address **and** lot on plan for the land adjoining or adjacent to the premises (Appropriate for development in water but adjoining or adjacent to land, e.g. jetty, pontoon. All lots must be listed.)

Street address					Lot on plan description		Local government area (e.g. Logan, Cairns)
Lot	Unit no.	Street no.	Street name and official suburb/ locality name	Post-code	Lot no.	Plan type and plan no.	
i)			Banabilla Road, Bloomfield	4895	Lot 7	SP-123877	Douglas Shire
ii)							
iii)							

Planning scheme details (If the premises involves multiple zones, clearly identify the relevant zone/s for each lot in a separate row in the below table. Non-mandatory)

Lot	Applicable zone / precinct	Applicable local plan / precinct	Applicable overlay/s
i)	Rural		
ii)			
iii)			

Table E—Premises coordinates (Appropriate for development in remote areas, over part of a lot or in water not adjoining or adjacent to land e.g. channel dredging in Moreton Bay.) (Attach a separate schedule if there is insufficient space in this table.)

Coordinates (Note: place each set of coordinates in a separate row)				Zone reference	Datum	Local government area (if applicable)
Easting	Northing	Latitude	Longitude			
					<input type="checkbox"/> GDA94 <input type="checkbox"/> WGS84 <input type="checkbox"/> other	

3. Total area of the premises on which the development is proposed (indicate square metres)

85400 m2

4. Current use/s of the premises (e.g. vacant land, house, apartment building, cane farm etc.)

Vacant land

5. Are there any current approvals (e.g. a preliminary approval) associated with this application? (Non-mandatory requirement)

☒ No ☐ Yes—provide details below

List of approval reference/s	Date approved (dd/mm/yy)	Date approval lapses (dd/mm/yy)

6. Is owner's consent required for this application? (Refer to notes at the end of this form for more information.)

☒ No
☐ Yes—complete either Table F, Table G or Table H as applicable

Table F

Name of owner/s of the land	
I/We, the above-mentioned owner/s of the land, consent to the making of this application.	
Signature of owner/s of the land	
Date	

Table G

Name of owner/s of the land	
<input type="checkbox"/> The owner's written consent is attached or will be provided separately to the assessment manager.	

Table H

Name of owner/s of the land	
<input type="checkbox"/> By making this application, I, the applicant, declare that the owner has given written consent to the making of the application.	

7. Identify if any of the following apply to the premises (Tick applicable box/es.)

- ☐ Adjacent to a water body, watercourse or aquifer (e.g. creek, river, lake, canal)—complete Table I
- ☐ On strategic port land under the *Transport Infrastructure Act 1994*—complete Table J
- ☐ In a tidal water area—complete Table K
- ☐ On Brisbane core port land under the *Transport Infrastructure Act 1994* (No table requires completion.)
- ☐ On airport land under the *Airport Assets (Restructuring and Disposal) Act 2008* (no table requires completion)
- ☐ Listed on either the Contaminated Land Register (CLR) or the Environmental Management Register (EMR) under the *Environmental Protection Act 1994* (no table requires completion)

Table I

Name of water body, watercourse or aquifer

Table J	
Lot on plan description for strategic port land	Port authority for the lot

Table K	
Name of local government for the tidal area (if applicable)	Port authority for the tidal area (if applicable)

8. Are there any existing easements on the premises? (e.g. for vehicular access, electricity, overland flow, water etc)

☒ No ☐ Yes—ensure the type, location and dimension of each easement is included in the plans submitted

9. Does the proposal include new building work or operational work on the premises? (Including any services)

☐ No ☒ Yes—ensure the nature, location and dimension of proposed works are included in plans submitted

10. Is the payment of a portable long service leave levy applicable to this application? (Refer to notes at the end of this form for more information.)

☒ No—go to question 12 ☐ Yes

11. Has the portable long service leave levy been paid? (Refer to notes at the end of this form for more information.)

☐ No

☐ Yes—complete Table L and submit with this application the yellow local government/private certifier's copy of the receipted QLeave form

Table L		
Amount paid	Date paid (dd/mm/yy)	QLeave project number (6 digit number starting with A, B, E, L or P)

12. Has the local government agreed to apply a superseded planning scheme to this application under section 96 of the *Sustainable Planning Act 2009*?

☒ No

☐ Yes—please provide details below

Name of local government	Date of written notice given by local government (dd/mm/yy)	Reference number of written notice given by local government (if applicable)

13. List below all of the forms and supporting information that accompany this application (Include all IDAS forms, checklists, mandatory supporting information etc. that will be submitted as part of this application)

Description of attachment or title of attachment	Method of lodgement to assessment manager
Sara-idas-form-5-material-of-change	Email Douglas Shire Planning
Block and clearing layouts, Survey plan	Email Douglas Shire Planning
Proposed house drawing	Email Douglas Shire Planning
Site classification and wastewater management system report	Email Douglas Shire Planning
Supporting documentation for IDAS form 5	Email Douglas Shire Planning

14. Applicant's declaration

☒ By making this application, I declare that all information in this application is true and correct (Note: it is unlawful to provide false or misleading information)

Notes for completing this form

- Section 261 of the *Sustainable Planning Act 2009* prescribes when an application is a properly-made application. Note, the assessment manager has discretion to accept an application as properly made despite any non-compliance with the requirement to provide mandatory supporting information under section 260(1)(c) of the *Sustainable Planning Act 2009*

Applicant details

- Where the applicant is not a natural person, ensure the applicant entity is a real legal entity.

Question 1

- Schedule 3 of the Sustainable Planning Regulation 2009 identifies assessable development and the type of assessment. Where schedule 3 identifies assessable development as "various aspects of development" the applicant must identify each aspect of the development on Tables A, B and C respectively and as required.

Question 6

- Section 263 of the *Sustainable Planning Act 2009* sets out when the consent of the owner of the land is required for an application. Section 260(1)(e) of the *Sustainable Planning Act 2009* provides that if the owner's consent is required under section 263, then an application must contain, or be accompanied by, the written consent of the owner, or include a declaration by the applicant that the owner has given written consent to the making of the application. If a development application relates to a state resource, the application is not required to be supported by evidence of an allocation or entitlement to a state resource. However, where the state is the owner of the subject land, the written consent of the state, as landowner, may be required. Allocation or entitlement to the state resource is a separate process and will need to be obtained before development commences.

Question 7

- If the premises is listed on either the Contaminated Land Register (CLR) or the Environmental Management Register (EMR) under the *Environmental Protection Act 1994* it may be necessary to seek compliance assessment. Schedule 18 of the Sustainable Planning Regulation 2009 identifies where compliance assessment is required.

Question 11

- The *Building and Construction Industry (Portable Long Service Leave) Act 1991* prescribes when the portable long service leave levy is payable.
- The portable long service leave levy amount and other prescribed percentages and rates for calculating the levy are prescribed in the Building and Construction Industry (Portable Long Service Leave) Regulation 2002.

Question 12

- The portable long service leave levy need not be paid when the application is made, but the *Building and Construction Industry (Portable Long Service Leave) Act 1991* requires the levy to be paid before a development permit is issued.
- Building and construction industry notification and payment forms are available from any Queensland post office or agency, on request from QLeave, or can be completed on the QLeave website at www.qleave.qld.gov.au. For further information contact QLeave on 1800 803 481 or visit www.qleave.qld.gov.au.

Privacy—The information collected in this form will be used by the Department of Infrastructure, Local Government and Planning (DILGP), assessment manager, referral agency and/or building certifier in accordance with the processing and assessment of your application. Your personal details should not be disclosed for a purpose outside of the IDAS process or the provisions about public access to planning and development information in the *Sustainable Planning Act 2009*, except where required by legislation (including the *Right to Information Act 2009*) or as required by Parliament. This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

OFFICE USE ONLY

Date received

Reference numbers

NOTIFICATION OF ENGAGEMENT OF A PRIVATE CERTIFIER

To

Council. I have been engaged as the private certifier for the building work referred to in this application

Date of engagement	Name	BSA Certification license number	Building classification/s
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

QLEAVE NOTIFICATION AND PAYMENT (For completion by assessment manager or private certifier if applicable.)

Description of the work	QLeave project number	Amount paid (\$)	Date paid	Date receipted form sighted by assessment manager	Name of officer who sighted the form
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

The *Sustainable Planning Act 2009* is administered by the Department of Infrastructure, Local Government and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agency.

IDAS form 5—Material change of use assessable against a planning scheme

(Sustainable Planning Act 2009 version 3.1 effective 3 August 2015)

This form must be used for development applications for a material change of use assessable against a planning scheme.

You **MUST** complete **ALL** questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- complete *IDAS form 1—Application details*
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* (SPA) or the Sustainable Planning Regulation 2009.

This form must also be used for material change of use on strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994* and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008* that requires assessment against the land use plan for that land. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

Mandatory requirements

- 1. Describe the proposed use.** (Note: this is to provide additional detail to the information provided in question 1 of *IDAS form 1—Application details*. Attach a separate schedule if there is insufficient space in this table.)

General explanation of the proposed use	Planning scheme definition (include each definition in a new row) (non-mandatory)	No. of dwelling units (if applicable) or gross floor area (if applicable)	Days and hours of operation (if applicable)	No. of employees (if applicable)
Residence	Rural	1 (plus shed/garage)		

- 2. Are there any current approvals associated with the proposed material change of use?** (e.g. a preliminary approval.)

☒ No ☐ Yes—provide details below

List of approval reference/s	Date approved (dd/mm/yy)	Date approval lapses (dd/mm/yy)

3. Does the proposed use involve the following? (Tick all applicable boxes.)

The reuse of existing buildings on the premises	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
New building work on the premises	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
The reuse of existing operational work on the premises	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
New operational work on the premises	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes

Mandatory supporting information**4. Confirm that the following mandatory supporting information accompanies this application**

Mandatory supporting information	Confirmation of lodgement	Method of lodgement
All applications		
<p>A site plan drawn to an appropriate scale (1:100, 1:200 or 1:500 are recommended scales) which shows the following:</p> <ul style="list-style-type: none"> the location and site area of the land to which the application relates (<i>relevant land</i>) the north point the boundaries of the relevant land any road frontages of the relevant land, including the name of the road the location and use of any existing or proposed buildings or structures on the relevant land (note: where extensive demolition or new buildings are proposed, two separate plans [an existing site plan and proposed site plan] may be appropriate) any existing or proposed easements on the relevant land and their function the location and use of buildings on land adjoining the relevant land all vehicle access points and any existing or proposed car parking areas on the relevant land. Car parking spaces for persons with disabilities and any service vehicle access and parking should be clearly marked for any new building on the relevant land, the location of refuse storage the location of any proposed retaining walls on the relevant land and their height the location of any proposed landscaping on the relevant land the location of any stormwater detention on the relevant land. 	<input type="checkbox"/> Confirmed	
A statement about how the proposed development addresses the local government's planning scheme and any other planning instruments or documents relevant to the application.	<input type="checkbox"/> Confirmed	
A statement about the intensity and scale of the proposed use (e.g. number of visitors, number of seats, capacity of storage area etc.).	<input type="checkbox"/> Confirmed	
<p>Information that states:</p> <ul style="list-style-type: none"> the existing or proposed floor area, site cover, maximum number of storeys and maximum height above natural ground level for existing or new buildings (e.g. information regarding existing buildings but not being reused) the existing or proposed number of on-site car parking bays, type of vehicle cross-over (for non-residential uses) and vehicular servicing arrangement (for non-residential uses). 	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable	

A statement addressing the relevant part(s) of the State Development Assessment Provisions (SDAP).	<input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable	
When the application involves the reuse of existing buildings		
Plans showing the size, location, existing floor area, existing site cover, existing maximum number of storeys and existing maximum height above natural ground level of the buildings to be reused.	<input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable	
When the application involves new building work (including extensions)		
Floor plans drawn to an appropriate scale (1:50, 1:100 or 1:200 are recommended scales) which show the following: <ul style="list-style-type: none"> the north point the intended use of each area on the floor plan (for commercial, industrial or mixed use developments only) the room layout (for residential development only) with all rooms clearly labelled the existing and the proposed built form (for extensions only) the gross floor area of each proposed floor area. 	<input type="checkbox"/> Confirmed	
Elevations drawn to an appropriate scale (1:100, 1:200 or 1:500 are recommended scales) which show plans of all building elevations and facades, clearly labelled to identify orientation (e.g. north elevation)	<input type="checkbox"/> Confirmed	
Plans showing the size, location, proposed site cover, proposed maximum number of storeys, and proposed maximum height above natural ground level of the proposed new building work.	<input type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable	
When the application involves reuse of other existing work		
Plans showing the nature, location, number of on-site car parking bays, existing area of landscaping, existing type of vehicular cross-over (non-residential uses), and existing type of vehicular servicing arrangement (non-residential uses) of the work to be reused.	<input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable	
When the application involves new operational work		
Plans showing the nature, location, number of new on-site car parking bays, proposed area of new landscaping, proposed type of new vehicle cross-over (non-residential uses), proposed maximum new vehicular servicing arrangement (non-residential uses) of the proposed new operational work.	<input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable	

Privacy—Please refer to your assessment manager, referral agency and/or building certifier for further details on the use of information recorded in this form.

OFFICE USE ONLY

Date received

Reference numbers

The *Sustainable Planning Act 2009* is administered by the Department of Infrastructure, Local Government and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agency.

Supporting Documentation for; IDAS Form 5 – Material change of use assessable against a planning scheme.

4. Confirm that the following mandatory supporting information accompanies this Application

Mandatory supporting information;

☐ **The location and site area of the land to which the application relates (relevant land).**

The location and site area is located on attached site plan. Lot 7 on SP123877.

☐ **The North Point.**

Located on attached site plan.

☐ **The boundaries of the relevant land.**

All boundaries of this property are located on attached site plan.

☐ **Any road frontages of the relevant land, including the name of the road.**

Property is located on Banabilla Road, which is running along the western boundary of the property.

☐ **The location and use of any existing or proposed buildings or structures on the relevant land (note: where extensive demolition or new buildings are proposed, two separate plans [an existing site plan and proposed site plan] may be appropriate).**

The proposed House, Shed and Garage/carport are to be located in an existing clearing on the western end of the property. The original clearing was reportedly done by the seller some 6-7 years ago.

The land is currently vacant with no existing buildings. No vegetation clearing will be required, except some “weeding” and removal of some low regrowth within the existing clearing. Some natural regrowth will be encouraged along the Southwestern, Western and Northwestern part of the property, as per attached site plan, for additional screening from Banabilla Road. Additional landscaping, using native plants is planned.

Neighboring dwellings are not visible from this proposed site.

☐ **Any existing or proposed easements on the relevant land and their function.**

There is an existing driveway in to the property, partly overgrown at the moment.

☐ **The location and use of buildings on land adjoining the relevant land.**

The several other properties along Banabilla road. The closest are more than 250 m from the proposed house site. There are a few more around 400-500 m away. Neither can be seen from the proposed house site. My information is that they are permanently occupied.

.

☐ **All vehicle access points and any existing or proposed car parking areas on the relevant land. Car parking spaces for persons with disabilities and any services vehicle access and parking should be clearly marked.**

An existing driveway (partly over grown at the moment) is located on the western boundary and accessed from Banabilla Road. The driveway will be improved using gravel/roadbase. There will be ample parking at the proposed house, both in double Carport as well as in an enclosed double garage that can, together with the proposed shed, be utilized for secure storage and parking during extreme weather events (cyclones).

☐ **For any new building on the relevant land, the location or refuse storage.**

Refuse storage bins will be located under cover in the Carport.

☐ **The location of any proposed retaining walls on the relevant land and their height.**

No retaining walls are required for this proposed dwelling.

☐ **The location of any proposed landscaping on the relevant land.**

Additional Native plants will be planted to act as screening of the house site from the road as well as to increase the buffer between the road and the existing clearing.

☐ **The location of any storm water detention on the relevant land**

All water from the roofing will be directed to storage water tanks.

~ A statement about how the proposed development addresses the local government's planning scheme and any other planning instruments or documents relevant to the application.

The proposed development plans to be on a smaller scale and aims to blend in with the natural landscape. The proposed dwelling is positioned to not be visible from the road, once the planned landscaping and natural regrowth is in place, and take advantage of the terrain to capture the natural lighting and cooling aspects therefore creating an eco-friendly efficient low energy consumption sustaining living.

A1.1 The proposed shed, garage/carport and house are single story and are in accordance to height regulations.

A2.1 & A2.2 All roof water from the house and garage/carport will directed from the gutters to the minimum 30,000 liters storage tanks. An additional tank will be installed at the proposed shed. The tanks will be fitted with a 50mm ball valve and camlock fitting as required. A 5000 liter header-tank will be positioned in higher grounds to provide gravity fed water.

A2.3 Mains power is available at the boundary along Banabilla Road, and we have confirmation from Ergon Energy that we can be connected. We have been in contact with a local Electrical contractor who will be able to carry out the connection. We are planning to install a solar power system which will also feed back in to the electrical grid when producing more power than required for our consumption. A waste water system will be installed by an appropriate waste water professional based on the report attached to this Development Approval application.

A4.1, A4.2, An existing ground water bore is located at the southwestern and boundary and is greater than 100 meters away from waste water or existing bores.

A6.1, A6.2, A6.3, A6.4 & A6.5, The exterior colours are to blend in with the surrounding environment. Large sliding windows and doors on both sides of the house will assist in capturing the natural light and allow the breeze to flow through the proposed house.

A7.1 As a result of passed clearing in this of this property, which is bigger than what we want; we propose the following re-vegetation with all native plants, as shown on site plan;

- To re-vegetate areas at the Southwestern, Western and Northwestern boundaries adjoining Banabilla Road. Natural re-vegetation will be encouraged and assisted by also planting native plants. Type of native plants will be discussed with a local nursey who specialize in local native plants.
- To plant native plants as a screen so the house site cannot be seen from the driveway at Banabilla Road.
- Native trees will be utilized on batters of the proposed house pad to assist with erosion and privacy purposes.

A8.1 Site Access driveway and existing driveway (now partly over grown) are marked on site map. They will be finished with compacted gravel/road base.

A9.1, A9.2, A9.3 & A9.4 The cut and fill will be kept to a bare minimum and erosion control measures will be put in place. Onsite drainage and storm water will comply with P1, P2 and P3.

A14.1, A14.2 & A14.3 Road base of 75mm will be applied to the partially existing driveway to allow access and withhold weather conditions.

~ A statement about the intensity and scale of the proposed use

This proposed rather small development is designed to be of low maintenance and to be used as a FIFO workers home base to start with and later as a permanent place of residency for a couple. It will be positioned to be private and to capture the unique surrounding environment. We will on occasions have family visitors, who will stay with us for short periods of time.



EARTH TEST

Site Classification

And

Wastewater Management System

For

Sixten Lundgren

At

Lot 7 Banabilla Road

Degarra



INTRODUCTION:

Earth Test has been engaged by Sixten Lundgren to assess, design and report on Site Classification and a Domestic Wastewater Management System at Lot 7 Banabilla Road, Degarra.

Real Property Description:

Lot 7, SP 123877

Local Authority: Douglas Shire Council.

It is understood the intention is to construct a new dwelling at the site.
A site and soil evaluation was carried out in July 2015.

SITE FACTORS:

The site was identified by its site address, a photo is included to confirm the sites identity. The site is predominately covered with short regrowth in cleared area in the forest and has a level to 20 degree fall to the West North-West. The water supply to the site will be from a bore on-site.

No rock outcrops were noted at the site. An intermittent watercourse is shown on the site plan.

Two Dynamic Cone Penetrometer tests were performed at locations DCP1 and DCP2 and one borehole BH1 as shown on the site plan.

Atterberg Limits tests were performed on a disturbed sample from Borehole1.



BH1 being drilled at Lot 7 Banabilla Road, Degarra

**SITE INVESTIGATION REPORT****BOREHOLE LOG**

CLIENT: Sixten Lundgren.		DATE SAMPLED: 20/07/2015
PROJECT: Lot 7 Banabilla Road, Degarra.		Sampled by: L. Quinn
REPORT DATE: 5/08/2015		
BOREHOLE No: BH1		
DEPTH (m)	DESCRIPTION	COMMENTS
0.0-2.0	Orange-Brown Silty-Clay with Gravel	Disturbed sample 0.6- 0.9m. Watertable not encountered

**ATTERBERG LIMITS TEST REPORT****CLIENT:** Sixten Lundgren**SAMPLE No:** SI 259-15**PROJECT:** Lot 7 Banabilla Road, Degarra**DATE SAMPLED:** 20/07/2015**SAMPLE DETAILS:** BH1 0.6-0.9m**Sampled by:** L. Quinn**REPORT DATE:** 5/08/2015**Tested By:** P. Weigand

TEST METHOD	RESULT
Liquid Limit: AS 1289.3.1.2-2009	40%
Plastic Limit: AS 1289.3.2.1-2009	22%
Plasticity Index: AS 1289.3.3.1-2009	18%
Linear Shrinkage: AS 1289.3.4.1-2008	10.5%
Length Of Mould:	125.1mm
Cracking, Crumbling, Curling, Number Of Breaks:	One Break
Sample History:	Air Dried
Preparation Method:	Dry Sieved
Insitu Moisture Content:	11.7%



DYNAMIC CONE PENETROMETER REPORT

AS 1289.6.3.2

CLIENT: Sixten Lundgren**SAMPLE No:** SI 259-15**PROJECT:** Lot 7 Banabilla Road, Degarra.**DATE SAMPLED:** 20/07/2015**SAMPLE DETAILS:** Sites "DCP1 & DCP2" as per site plan.**Tested By:** L. Quinn & P. Weigand**REPORT DATE:** 5/08/2015

DEPTH (Metres)	Site: DCP1	Site: DCP2
	No Blows	No Blows
0.0 – 0.1	5	6
0.1 – 0.2	6	6
0.2 – 0.3	9	8
0.3 – 0.4	10	9
0.4 – 0.5	12	11
0.5 – 0.6	12	13
0.6 – 0.7	30	20
0.7 – 0.8	REFUSAL	30
0.8 – 0.9		REFUSAL
0.9 – 1.0		
1.0 – 1.1		
1.1 – 1.2		
1.2 – 1.3		
1.3 – 1.4		
1.4 – 1.5		
1.5 – 1.6		
1.6 – 1.7		
1.7 – 1.8		
1.8 – 1.9		
1.9 – 2.0		



SITE CLASSIFICATION

Lot 7 Banabilla Road, Degarra.

The Dynamic Cone Penetrometer test results indicate adequate allowable bearing pressure to 1.5m.

The Atterberg Limits test results indicate a slightly reactive soil.

The characteristic surface movement (y_s) is estimated to be in the $0 < y_s \leq 20\text{mm}$ range. According to TABLE 2.3 of AS 2870-2011 the site must be classified **CLASS-"S"**.

To comply with the "Building Services Board Subsidence Policy" advice should be sought from a Registered Professional Engineer for footing design.

All site works must be carried out in accordance with AS 3798-2007 "Guidelines on earthworks for commercial and residential developments"

If the depth of any cut exceeds 0.5m or uncontrolled fill exceeds 0.4m the classification shall be reconsidered.

Because this investigation is limited in scope and extent, it is possible that areas may exist which differ from those shown on the test hole records and used in the site classification. Should any variation from the reported conditions be encountered during excavation work, this office must be notified immediately so that reappraisal of the classification can be made.

Leonard Quinn.
Earth Test.

**SITE AND SOIL EVALUATION****Lot 7 Banabilla Road, Degarra.**

The site and soil evaluation carried out on 20/07/2015 provided the following results.

Site Assessment

<u>Site Factor</u>	<u>Result</u>
Slope	0 to 20 Degrees
Shape	Waxing Divergent
Aspect	West-North-West
Exposure	Good
Erosion/land slip	Not noted.
Boulders/rock outcrop	Not noted
Vegetation	Short regrowth in cleared area in forest
Watercourse/Bores	As shown on site plan.
Water table	Not encountered during investigation.
Fill	Not found.
Flooding	Not likely.
Channelled run-off	Not found
Soil surface conditions	Firm, Moist
Other site specific factors	Nil

Soil Assessment

<u>Soil Property</u>	<u>Result</u>
Colour	Orange-Brown
Texture	Clay-Loam
Structure	Moderate
Coarse Fragments	10%
Measured Permeability Ksat (m/d)	Not measured
Dispersion	Slakes
Soil Category	4
Resultant Design Load Rate, DLR (mm/day)	20



WASTEWATER MANAGEMENT SYSTEM

An “All-Waste” septic tank discharging into an “Advanced Enviro-Septic” bed is considered suitable for this site.

This system has been designed to conform to the requirements of the following codes, acts, regulations and standards. All work to be carried out in accordance with the following codes.

- AS/NZ 1547:2012 On-site domestic-wastewater management.
- Queensland PLUMBING AND DRAINAGE ACT 2002.
- Queensland STANDARD PLUMBING AND DRAINAGE REGULATION 2003.
- Queensland PLUMBING AND WASTEWATER CODE.

SYSTEM SIZING FACTORS.

A population equivalent of five (5) persons has been chosen for the proposed three bedroom dwelling.

The site will be connected to a bore water supply system.

Standard water-reduction fixtures must be used to ensure the integrity of the system.

They shall include:-

- Dual flush 6/3 Litre water closets.
- Shower-flow restrictors.
- Aerator faucets (taps).
- Water-conserving automatic washing machines.

Note: - Garbage grinders are not permitted.

As per AS/NZ 1547:2012 Appendix H, Table H1 the “Typical wastewater design flow” for a “Reticulated water supply” gives a flow allowance of 150 L/Person/day.

The daily flow for the dwelling (5 persons @ 150 L/person/day) will be 750 L/day.

From AS/NZ 1547:2012 Table J1 the minimum capacity of the All-Waste septic tank required is 3000 L.

The tank must NOT be fitted with an outlet filter.



LAND-APPLICATION SYSTEM

DISPOSAL AREA SIZING

From AS/NZ 1547:2012 APPENDIX L, L4 DESIGN AREA SIZING, L4.2 Sizing

$$L = Q / (DLR \times W)$$

Where:

L = length in m

Q = design daily flow in L/day

DLR = Design Loading Rate in mm/d

W = Width in m

$$\begin{aligned} L &= 750 / (20 \times 3.91) \\ &= 9.6\text{m.} \end{aligned}$$

Use one 3.91m wide by 9.6m long Advanced Enviro-Septic bed.

See site plan and detail cross-section.

SYSTEM SAND

All configurations of Advanced Enviro-Septic® require a minimum of 150mm of system sand surrounding the circumference of the pipe. This sand, typically gravelly coarse sand, must adhere to the following percentage and quality restrictions.

AS Sieve Size (mm)	Percent Passing %
9.50	100
4.75	95-100
2.36	80-100
1.18	50-85
0.600	25-60
0.300	5-30
0.150	0-10
0.075	0-2

If there is any doubt if the sand media will pass requirements please contact Earth Test for further advice.



SYSTEM INSTALLATION

The plumber must notify Earth Test of the proposed date of installation so that an inspection can be made to satisfy the local council requirement of a Form 8.

A further charge will be made to carry out the inspection and complete the Form 8.

Avoid compaction by keeping people and machinery off the finished trench or bed floor. The system shall be installed by a licensed plumber in accordance with the manufacturer's recommendations and the relevant Australian Standards.

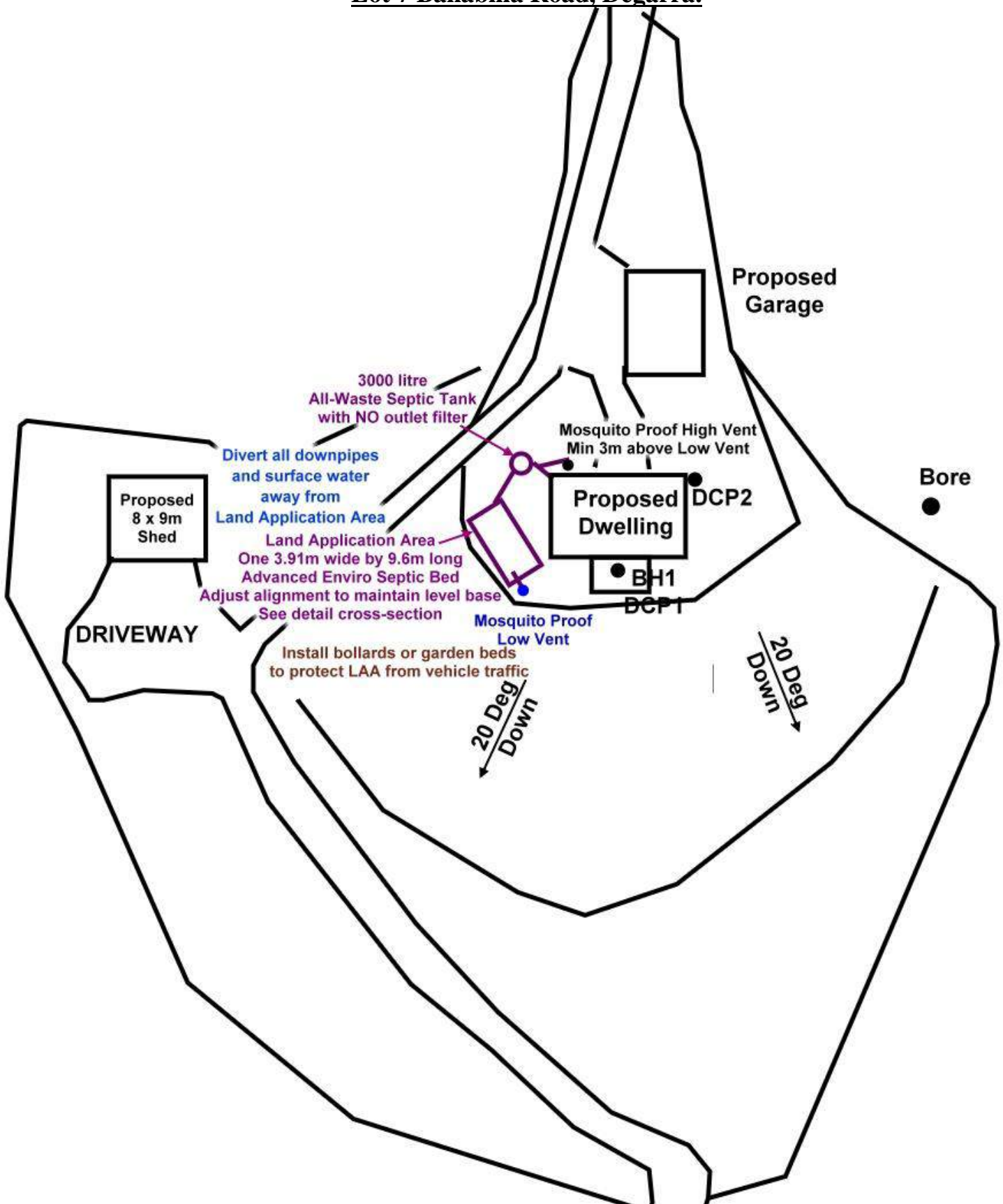
Operation and Maintenance

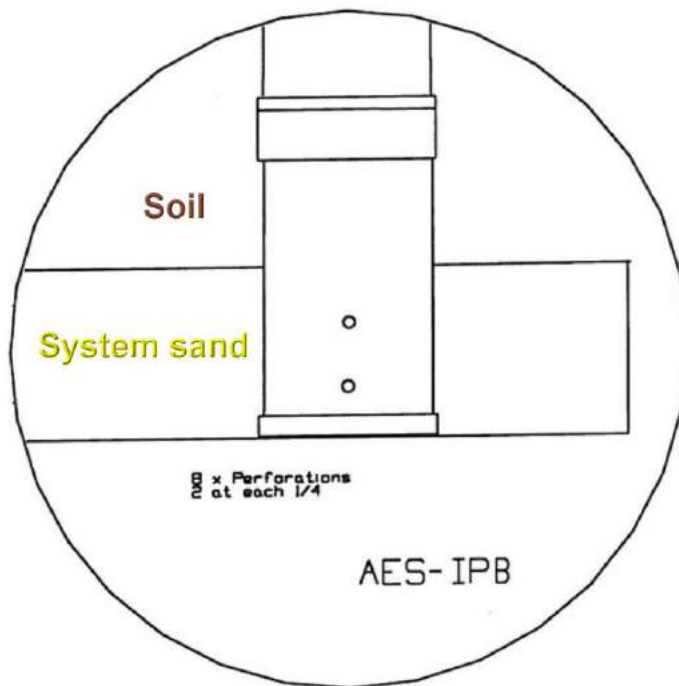
Homeowners should be fully informed of the proper operation and maintenance requirements of the on-site wastewater system.

Leonard Quinn
Earth Test

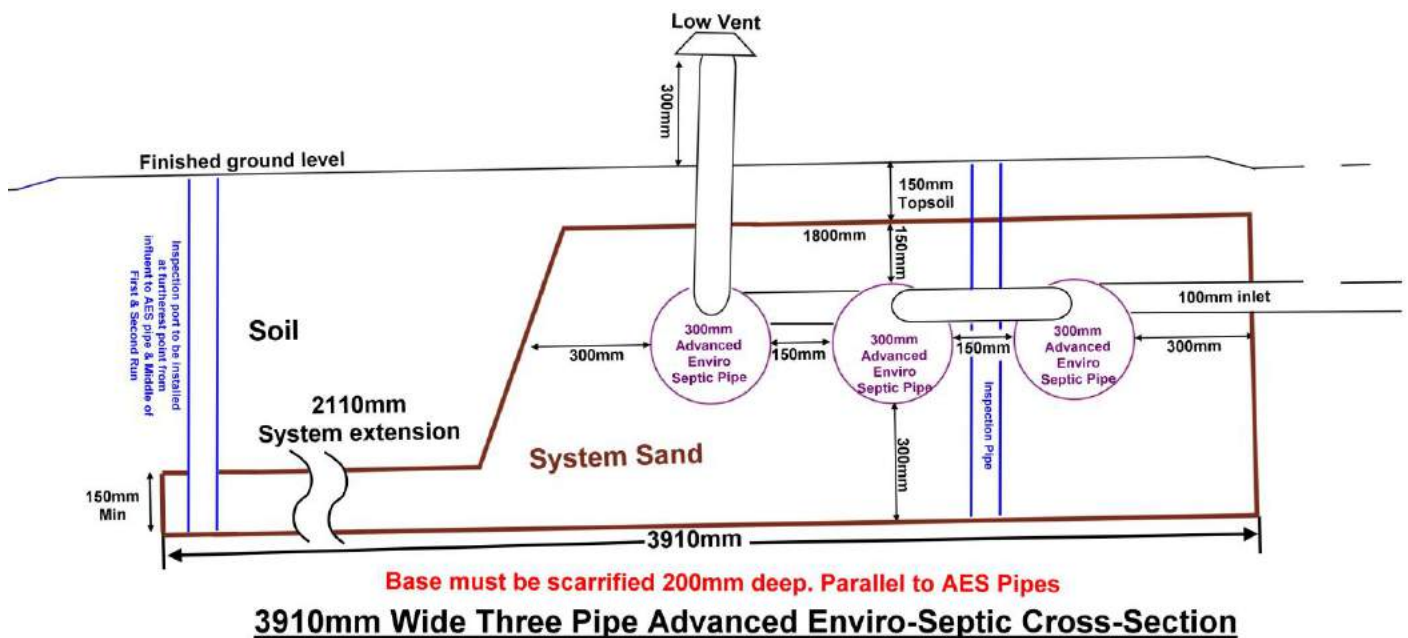


SITE PLAN NOT TO SCALE
Lot 7 Banabilla Road, Degarra.



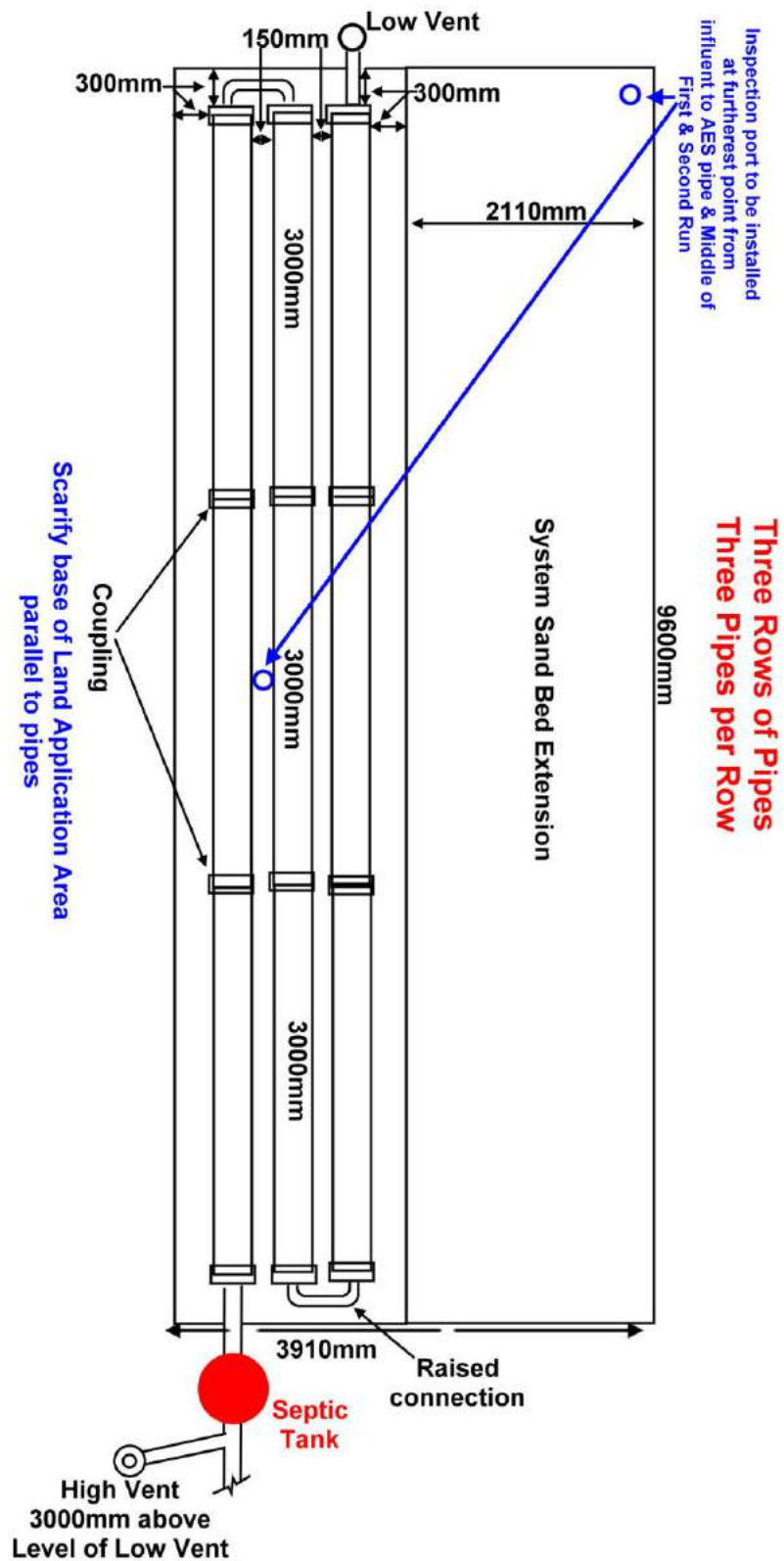


AES Inspection point detail





Overhead view of Land Application Area





EARTH TEST

QBSA Lic No. 1017941.



Advanced Enviro-septic Design Calculator v8.1

"Always the BEST Option" until site and soil conditions rule it out.

Site Address	Lot 7 Banabilla Road Degarra		
Client Name	Sixten Lundgren		
Designed By	Earth Test	Designers Ph Number	40954734
Lic Plumber Name		Plumber Ph Number	
Council Area	Cook Shire Council	AES Certif Number	
		QBSA Lic Number	1017941
		Plumb / Drainer Lic Number	
		Date	

This Calculator is a guide only, receiving soil classification, surface water, water tables and all other site constraints addressed by the design.

System Designers site and soil calculation data entry	IMPORTANT NOTES
Is this a new home installation Y or N	Y
Number of person	5
Daily Design Flow Allowance Litre/Person/Day	150
Number of rows required to suit site constraints	3
Infiltration surface Soil Category as established by site and soil evaluation. CATEGORY	4
Design Loading Rate based on site & soil evaluation DLR (mm/day)	20
Bore log depth below system Basel area	1400
Enter System footprint Slope in % for standard AES systems to calculate extension	0
Is this design a gravity system with no outlet filter? Y or N	Y
PLEASE CHECK YOU HAVE FALL FROM TANK TO AES SYSTEM PIPES	

COMMENTS :- " The outcome must be important to everyone. "

- Ripping of receiving surface is required in clay soil structures in Cat 4,5,6. In addition refer to AS 1547. Always excavate and rip parallel to the site slope/AES pipe.
- Specialist soils advice and special design techniques will be required for clay dominated soil having dispersive or shrink/swell behaviour. Refer AS1547

- Plumbers are reminded that good construction techniques as per AS1547 are especially important in these soil types. Refer AS1547 & AES installation Instructions

AES System Calculator Outcomes			AES dimensions		
Total System load - litres / day (Q).	750	l/d		AES System	System Extension
Min Length of AES pipe rows to treat loading	8.3	lm	Lth m : (L)	9.6	9.6
Number of FULL AES Pipe lengths per row	3	lths	Width m:(W)	1.80	2.11
Total Capacity of AES System pipe in Litres	1908	ltr.	Sand Depth :	0.75	0.15
			Area m2	17.3	20.2
DO YOU WISH TO USE CUT LENGTHS OF PIPE IN THIS DESIGN? (ENTER Y)					
IF YOU WISH TO USE A TRENCH EXTENSION DESIGN OPTION ENTER "Y"			Enter Custom Width m >		
AES INFILTRATION FOOT PRINT AREA - $L = Q / (DLR \times W)$	Length	Width	Minimum AES foot print required .		
for this Basic Serial design is	9.6	x	3.91	=	37.5 m2 total

Code	AES System Bill of Materials.	Chankar Environmental Use Only
AES-PIPE	AES 3 mtr Lths required	<p>Digitally signed by Kane Dickson DN: cn=Kane Dickson, o=Chankar Environmental, ou=Design Review, email=designreview@enviro-septic.com.au, c=AU Date: 2015.08.06 08:34:00 +10'00'</p> <p>Designreview@enviro-septic.com.au</p>
AESC	AESC Couplings required	
AESO	AESO Offset adaptors	
AESODV	AES Oxygen demand vent	
AES-IPB	AES 90mm Inspection port base	
TOTAL SYSTEM SAND REQUIRED (Guide Only)		
PLEASE email your AES CALC and Drawings to DESIGNREVIEW@ENVIRO-SEPTIC.COM.AU		

> The AES Calculator is a design aid to allow checking of the AES components and configuration and is a guide only. Site and soil conditions referencing AS 1547:2012 are calculated and designed by a Qualified Designer

> Chankar Environmental has no responsibility for the soil evaluation, loading calculations or DLR entered by the designer for this calculator.

> AES pipes can be cut to length on site. They are supplied in 3 meter lths only.

AES-Design-V8.1-Calculator-Slope-Trench-cut pipe Copy Right - Chankar Environmental Pty Ltd 2013

LEGEND

B BASIN
DP DOWNPIPE
FW FLOOR WASTE
LOH LIFT OFF HINGE
SA SMOKE ALARM
SHR SHOWER
WC WATER CLOSET
WM WASHING MACHINE

NOTE TERMITE PROTECTION:

PROVIDE VISUAL BARRIER AT SLAB EDGES.
ALL PRIMARY BUILDING ELEMENTS ARE OF STEEL MATERIAL.
DOOR FRAMES & SKIRTING TO BE H3 PINE.
PROVIDE A DURABLE NOTICE SHOWING FULL DETAILS OF TERMITE TREATMENT USED. PROVIDE TERMIMESH TO ALL GROUND SLAB PENETRATIONS

NOTE INSULATION:

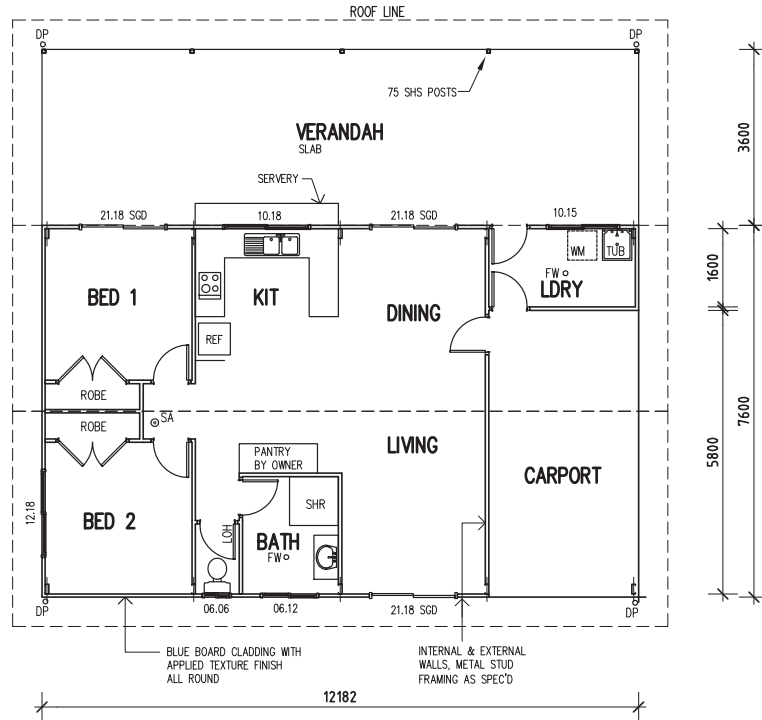
AIRCELL INSULBREAK INSULATION LINING TO INSIDE OF WALLS AND ROOF

GAS HOT WATER SYSTEM (5 STAR) TO BE INSTALLED

FLOURESCENT LIGHTS TO BE PROVIDED TO 40% OF INTERNAL FLOOR AREA

NOTE STRUCTURAL MEMBERS

ALL STRUCTURAL MEMBERS AND FIXING DETAILS REFER ATTACHED GARAGEWORLD STRUCTURAL DRAWINGS
CROSS SECTION, FOOTING AND SLAB PLAN REFER ENGINEERS DRAWINGS AND DETAILS

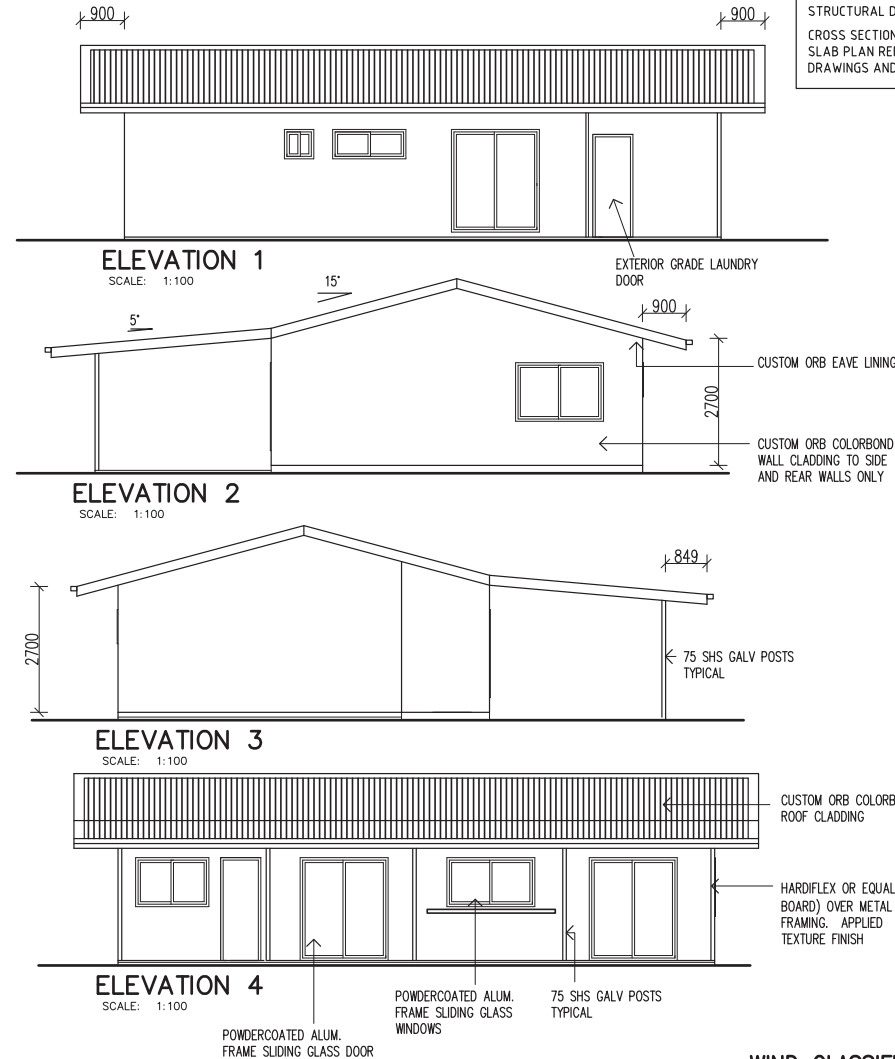


FLOOR PLAN

SCALE: 1:100

LYSAGHT SUPAFRAME 75mm
OPEN STUD SYSTEM TO
MANUFACTURERS
SPECIFICATION FOR WIND
CLASSIFICATION C2 (W50C)

WINDOW DIMENSIONS SHOWN NOMINAL SIZE
(06.15) = 600 HIGH x 1500 WIDE
THE FABRICATOR SHALL ALLOW FOR
TOLERANCES TO DOOR AND WINDOW FRAMES
ALL GLASS TO BE CLEAR GLASS U.N.O.



WIND CLASSIFICATION C2

QLD
KIT HOMES
Affordability Without Compromise

Campus Shopping Village
Smithfield
PH: 4038 3900
EMAIL: enquiries@nqsheds.com.au
ABN: 79 142 579 619

ALL CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
FIGURED DIMENSIONS TO TAKE PRECEDENCE.
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

ALL CONSTRUCTION & WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AUST. STANDARDS, THE BUILDING CODE OF AUSTRALIA AND LOCAL COUNCIL REQUIREMENTS.

ALL GLAZING INCLUDING SHOWER DOORS & SCREENS TO COMPLY WITH AS1288

NOTE ELECTRICAL - ALL WIRING & INSTALLATION TO BE DESIGNED & INSTALLED BY A LICENSED ELECTRICIAN. ELECTRICAL SCHEMATIC TO BE SUPPLIED BY CLIENT.
CARRY OUT WATERPROOFING TO WET AREAS TO AS3740.

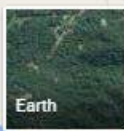
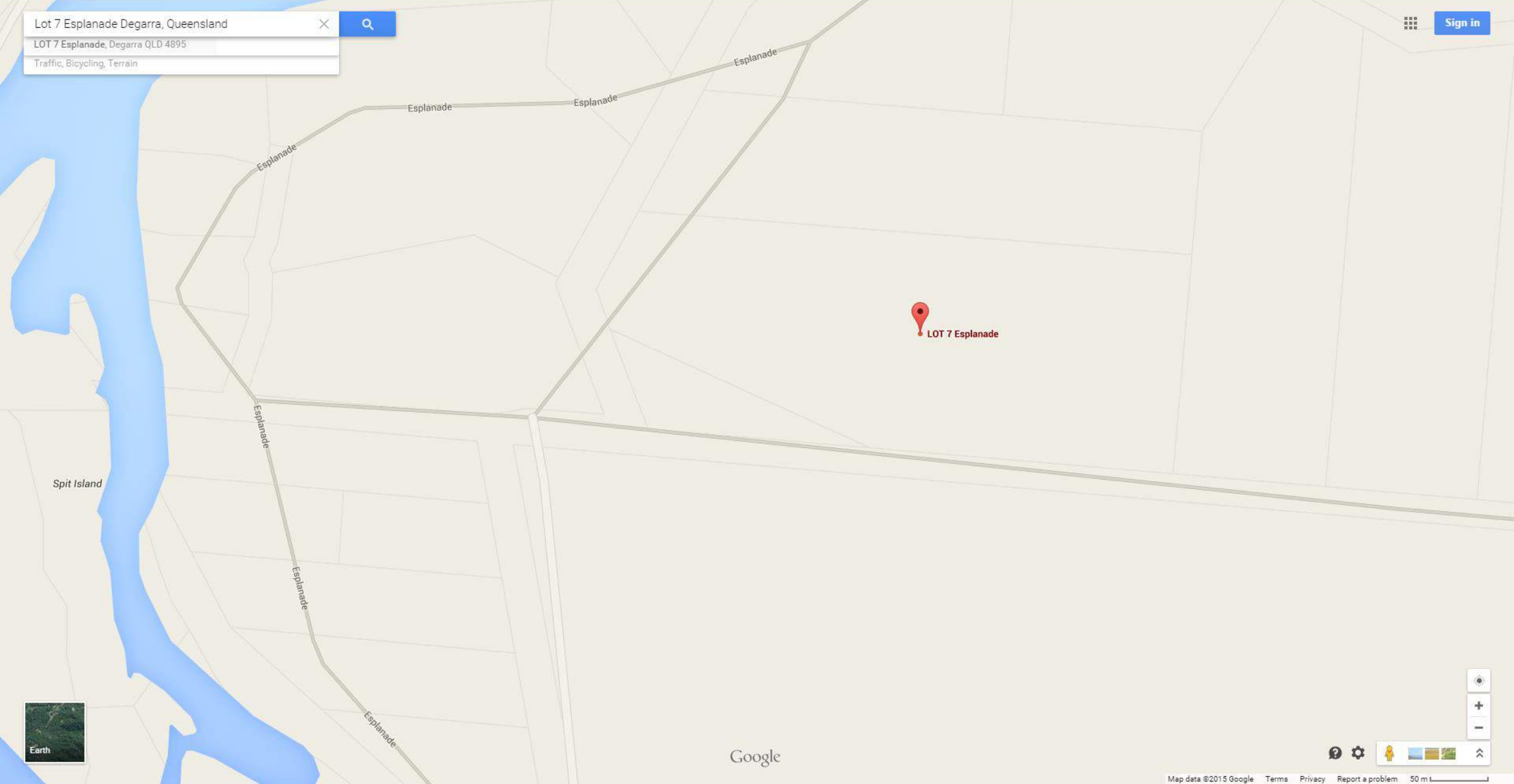
ISSUE	DATE	DESCRIPTION	PROJECT	2 BEDROOM DWELLING (SPRINGMOUNT)	DRAWN	KS	DATE	OCT 09
			CLIENT		SCALE	1:100	ISSUE	1
			ADDRESS		JOB NO.	29-531	SHEET	2

Lot 7 Esplanade Degarra, Queensland ✕ 🔍

LOT 7 Esplanade, Degarra QLD 4895

Traffic, Bicycling, Terrain

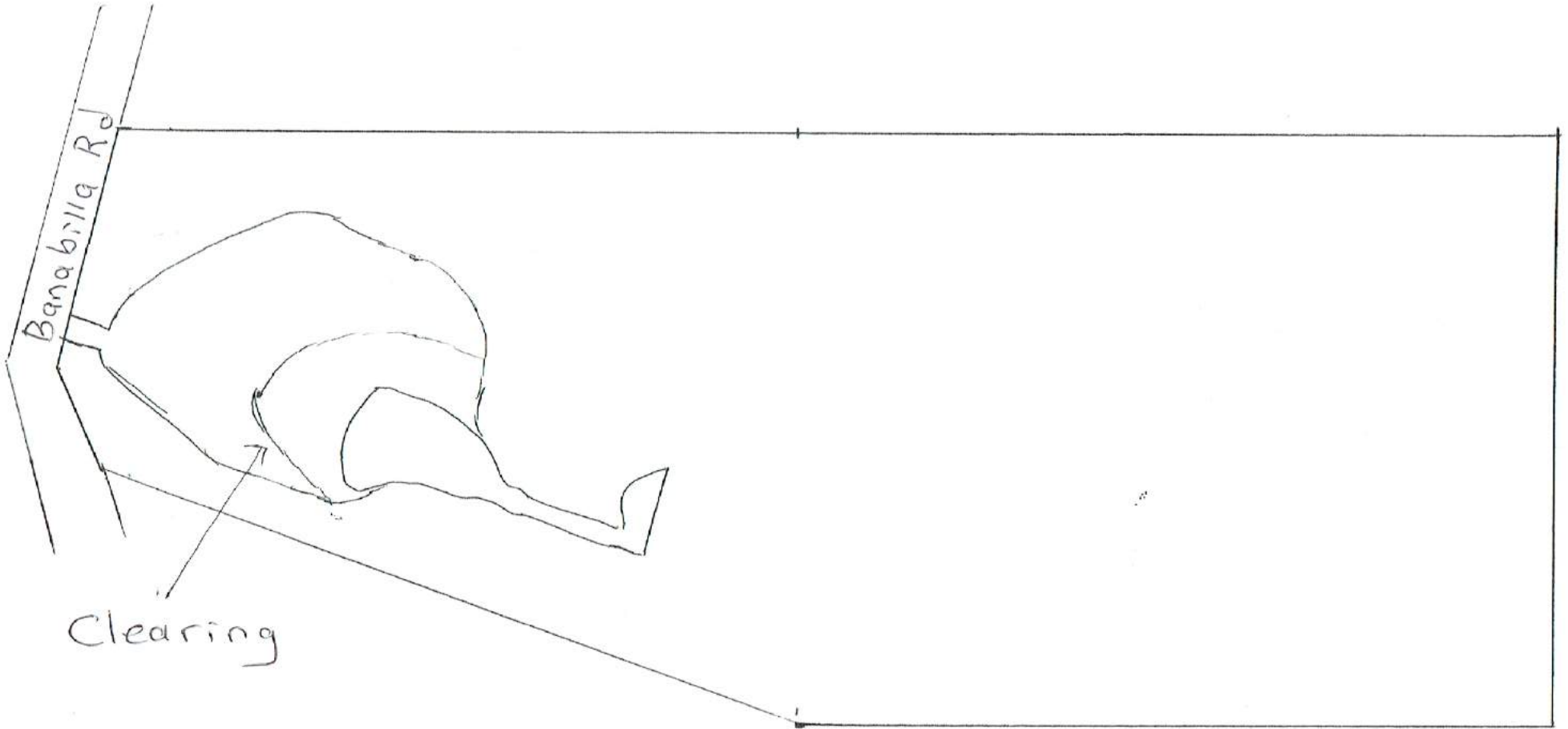
☰ Sign in



Google

⌕ + - ⏮ ⏭

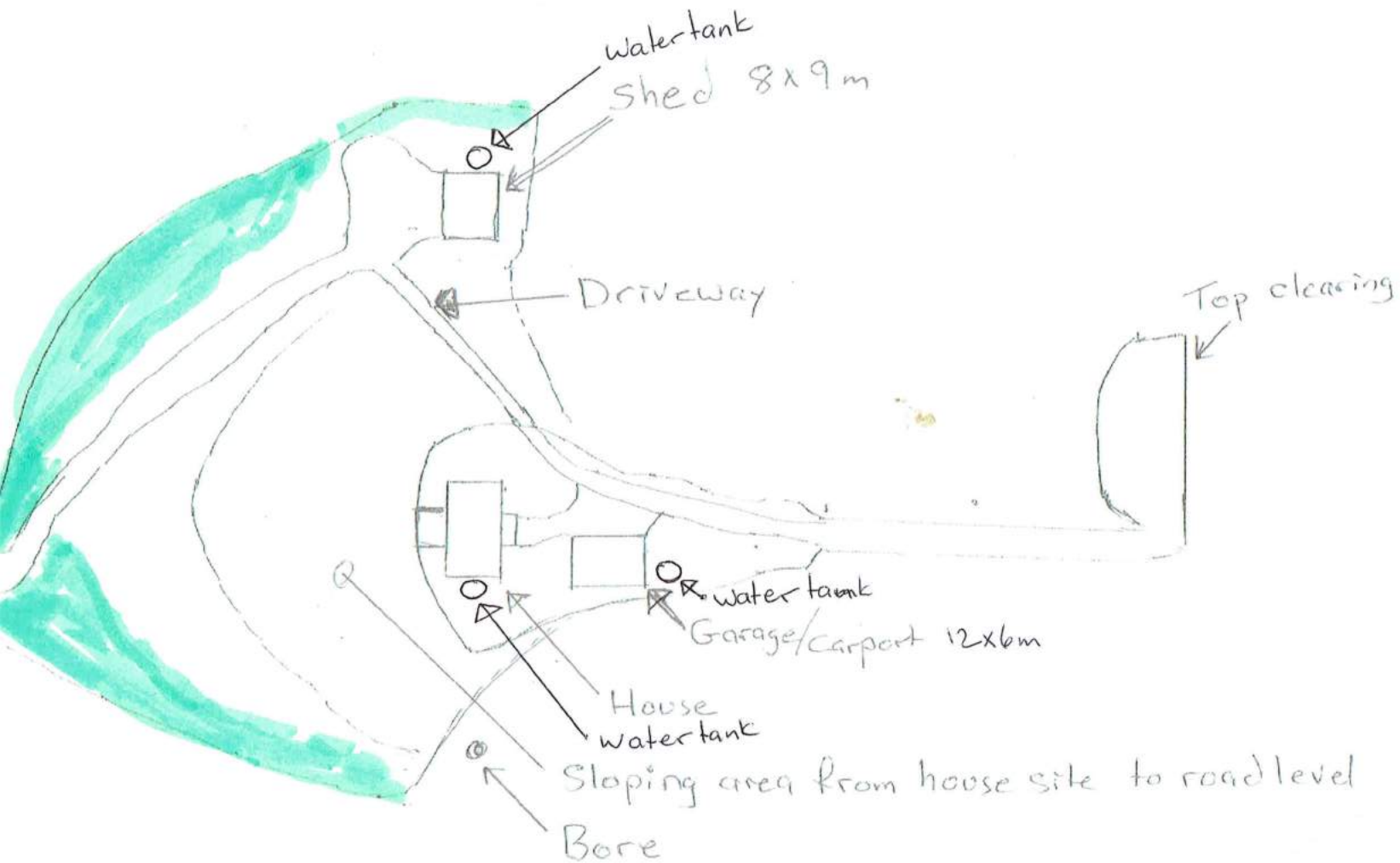
⚙️ 🧑 🗺️ 🌐 ⬆️



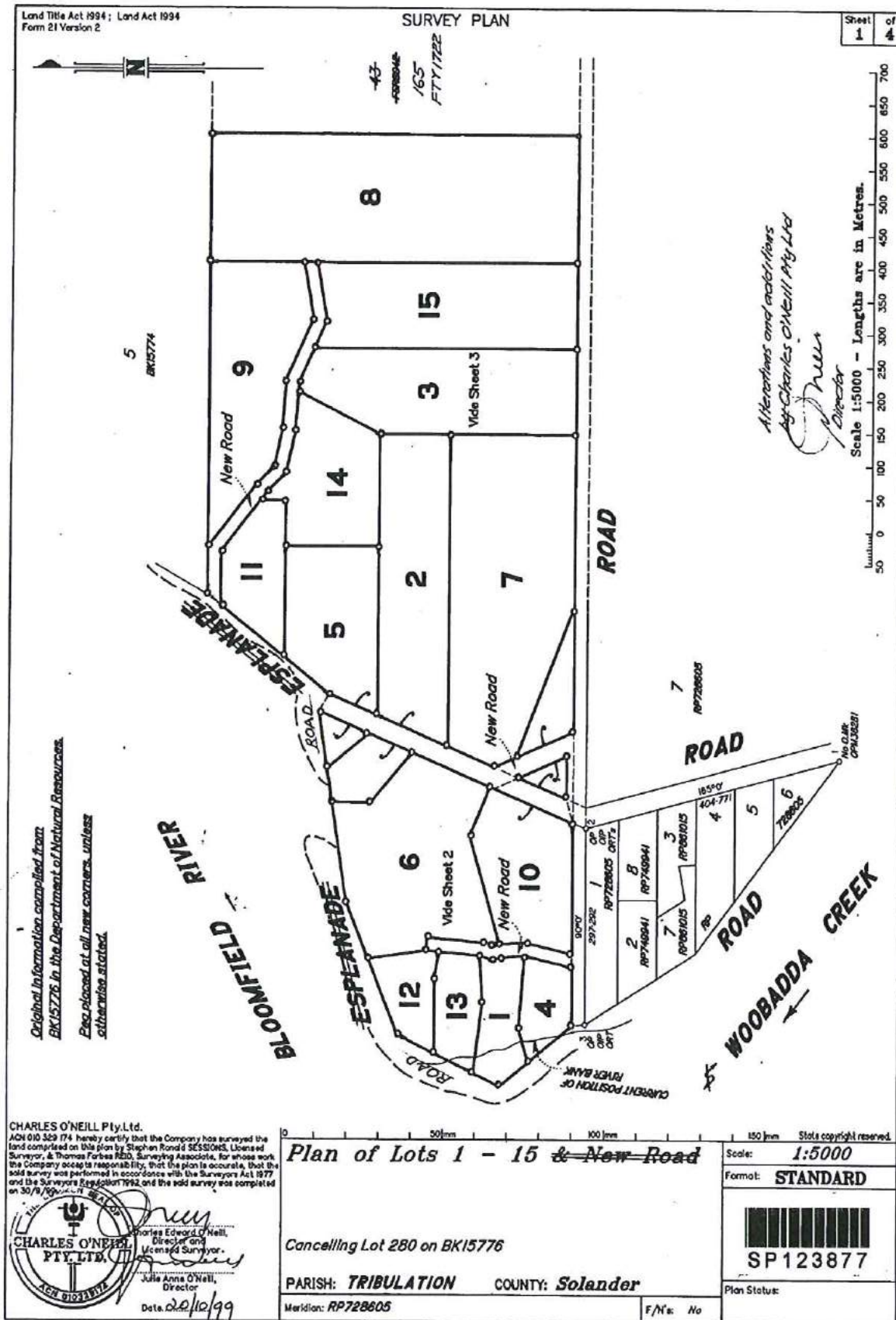
Clearing

Lot 7 Banabilla Rd

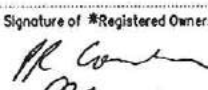
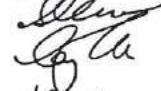
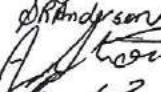
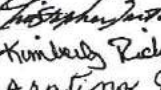
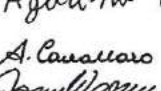
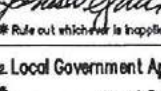
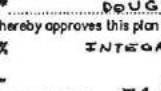
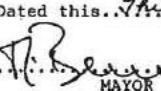
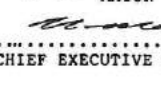
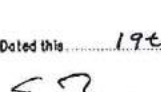
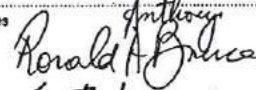
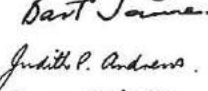
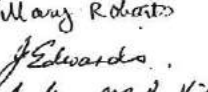
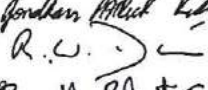
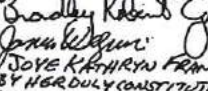
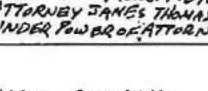
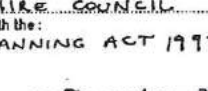
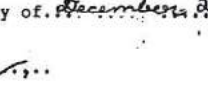


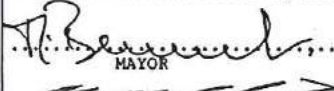
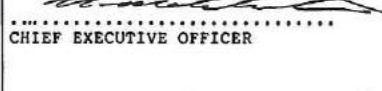
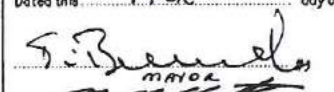

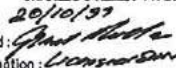
Creek, Seasonal

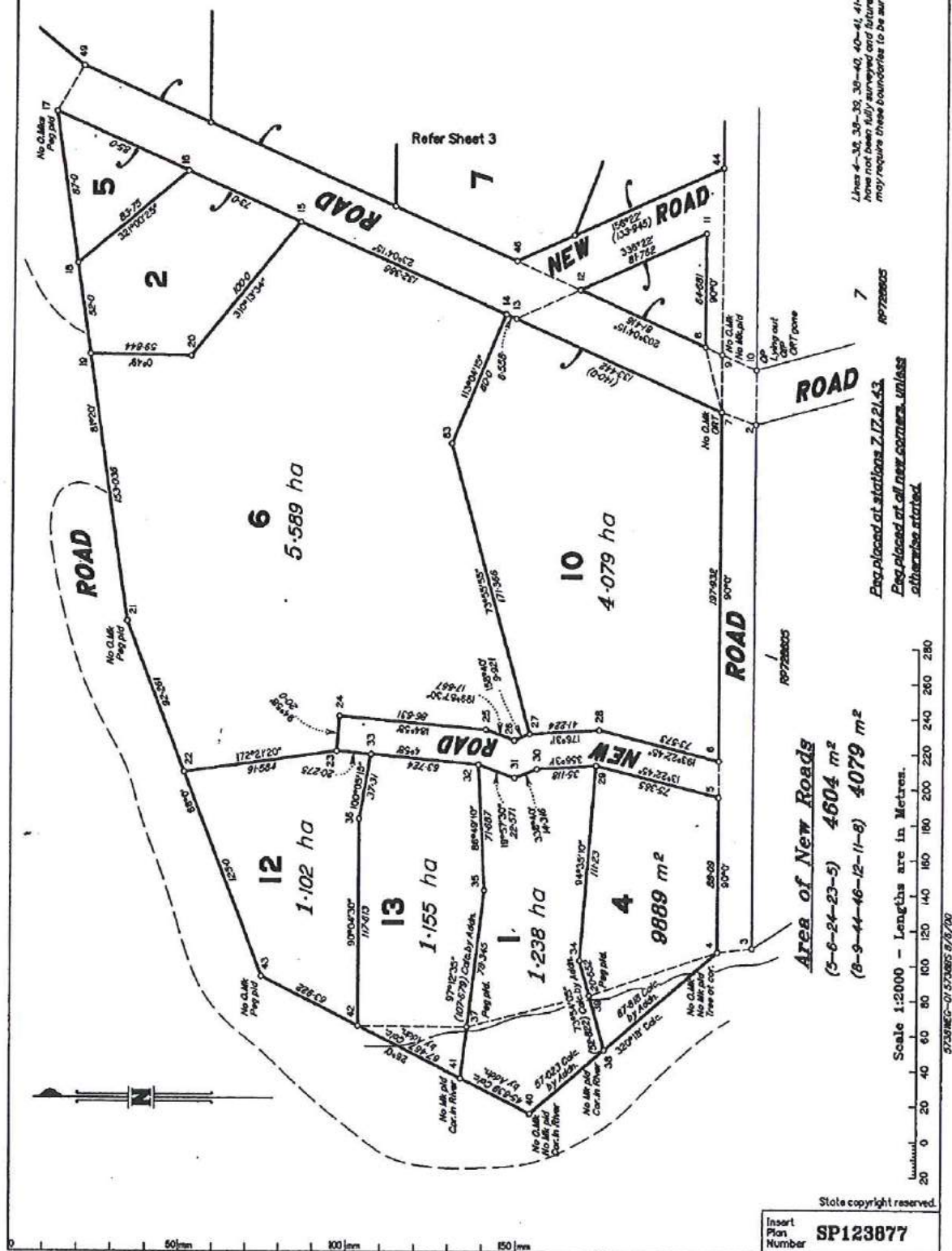


Area to be revegetated

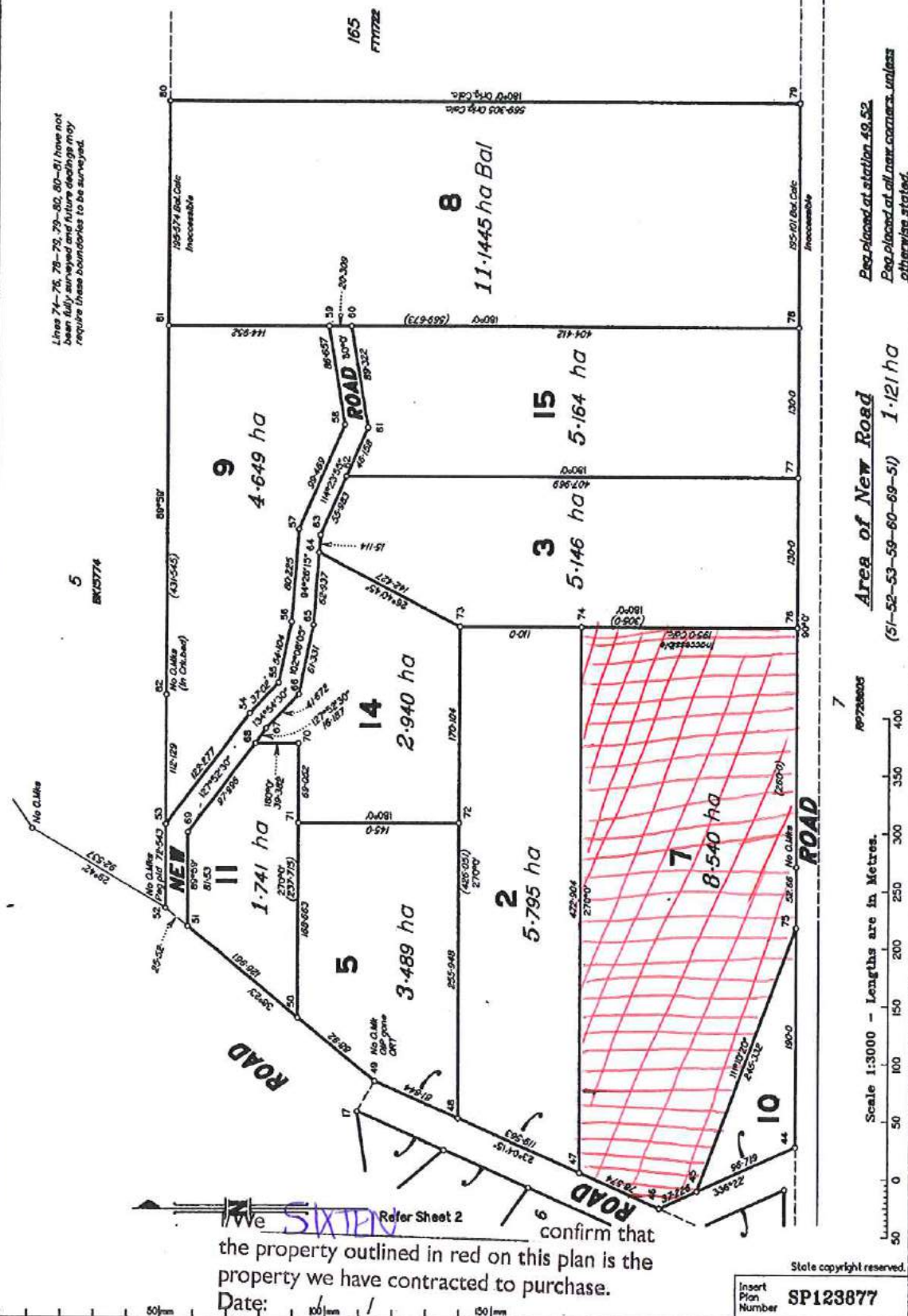


705609572 \$1053.70 10/05/2002 12:38 CS 400 NT		WARNING : Folded or Mutilated Plans will not be accepted. Plans may be rolled. Information may not be placed in the outer margins.	
Registered		3. Lodged by WILLIAMS GRAHAM & CARMAN 717 SOLICITORS PO BOX 947 CAIRNS QLD 4870 PHONE (07) 40061111 <small>(Include address, phone number, reference, and Lodger Code)</small>	

1. Certificate of Registered Owners or Lessees. I/We Michael McGOUGH, Singang Ibun McGOUGH, Sharon Rhonda ANDERSON, Alan Robert STRANGE, Christopher Barto GLOOR, Kimberley RICHELLI, Agatina CAVALLARO, Annette CAVALLARO, James Thomas WEGNER, Ronald Anthony BRUCE, Bart JAMES, Judith Patricia ANDREWS, Mary ROBERTS, Judith Valerie EDWARDS, Peter Raymond COOMBS, Jonathan Patrick KIDD, Robert William DUNN, Bradley Robert GOULD, Joye Kathryn FRANCE <small>(Names in full)</small> * as Registered Owners of this land agree to this plan and dedicate the Public Use Land as shown hereon in accordance with Section 50 of the Land Title Act 1994. * as Lessees of this land agree to this plan. Signature of *Registered Owners *Lessees <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           </div> <div style="width: 45%;">           </div> </div> <small>* Rule out whichever is inapplicable</small>					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">6. Existing</th> <th colspan="3">Created</th> </tr> <tr> <th>Title Reference</th> <th>Lot</th> <th>Plan</th> <th>Lots</th> <th>Emts</th> <th>Road</th> </tr> <tr> <td>21480211</td> <td>280</td> <td>BK15776</td> <td>1-15</td> <td></td> <td>New Rd</td> </tr> </table>					6. Existing			Created			Title Reference	Lot	Plan	Lots	Emts	Road	21480211	280	BK15776	1-15		New Rd
6. Existing			Created																								
Title Reference	Lot	Plan	Lots	Emts	Road																						
21480211	280	BK15776	1-15		New Rd																						
2. Local Government Approval. * DOUGLAS SHIRE COUNCIL hereby approves this plan in accordance with the: % INTEGRATED PLANNING ACT 1997 Dated this <u>7th</u> day of <u>December</u> 2001.  MAYOR  CHIEF EXECUTIVE OFFICER Dated this <u>19th</u> day of <u>September</u> 2000.  MAYOR  CHIEF EXECUTIVE OFFICER <small>* Insert the name of the Local Government. % Insert Integrated Planning Act 1997 or # Insert designation of signatory or delegation Local Government (Planning & Environment) Act 1990</small>					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Par. 280</td> <td>1-15</td> </tr> <tr> <td>Orig</td> <td>Lots</td> </tr> </table> 7. Portion Allocation : 8. Map Reference : 7966-23214 9. Locality : Bloomfield 10. Local Government : DOUGLAS S. C. 11. Passed & Endorsed : By: CHARLES O'NEILL PTY. LTD. Date: 20/10/97 Signed:  Designation: <u>Conservation</u> 12. Building Format Plans only. I certify that: * As far as it is practised to determine, no part of the building shown on this plan encroaches onto adjoining lots or roads; * Part of the building shown on this plan encroaches onto adjoining * lots and road Licensed Surveyor/Director * Date * delete words not required 13. Lodgement Fees : Survey Deposit \$ Lodgement \$ * New Titles \$ Photocopy \$ Postage \$ TOTAL \$ 14. Insert Plan Number SP123877					Par. 280	1-15	Orig	Lots														
Par. 280	1-15																										
Orig	Lots																										
3. Plans with Community Management Statement : CMS Number : Name :					4. References : Dept File : Local Govt : Surveyor: 5738WEG																						



Lines 74-76, 78-79, 80, 80-81 have not been fully surveyed and future dealings may require these boundaries to be surveyed.



Signature: _____

Signature: _____

STN	ORIGIN	BEARING	DIST	NO
1-OPM	RP728605	345°00'	6.15	38281
7-PM		200°10'	2.55	117074
33-PM		250°44'	3.36	117072

LINE	BEARING	DISTANCE
2-7	19°09'15"	21.294
2-10	9°46'	14.46
3-4	353°29'55"	20.546
4-39	341°44'25"	20.529
5-6	50°00'	20.529
7-8	75°02'55"	30.305
7-9	50°00'	32.708
8-9	203°04'15"	10.742
9-44	50°00'	105.962
10-0	23°00'	21.855
12-13	338°22'	41.46
12-14	230°44'15"	41.22
17-46	125°04'16"	21.16
17-47	0°00'16"	64.382
39-37	345°03'05"	74.552

STN	BEARING	DISTANCE
44	50°00'	39.11
45	11°10'20"	113.49
47	50°00'	102.98
	50°00'	91.64
	50°00'	214.7
	50°00'	326.11
48	50°00'	23.665
	50°00'	209.965
53	85°55'	84.16
	89°50'	34.764
60	180°00'	71.87
	180°00'	170.25
62	180°00'	259.38
	180°00'	100.17
	180°00'	200.47
71	180°00'	232.41
	180°00'	58.39
73	270°00'	64.11
75	180°00'	42.31
	50°00'	149.5
	50°00'	205.22
76	50°00'	37.94
77	50°00'	56.698

STN	TO	ORIGIN	BEARING	DIST
50	Pin		270°00'	0.672
51	Pin		125°10'	1.135
52	Pin		350°17'10"	0.525
53	Pin		274°41'11"	11.295
54	Pin		139°22'40"	1.41
55	Pin		225°53'130"	1.213
56	Pin		2°37'	1.085
57	Pin		175°20'	1.085
58	Pin		27°38'30"	1.954
59	Pin		89°54'10"	1.954
60	Pin		350°38'	1.085
61	Pin		357°15'40"	1.1
62	Pin		242°50'	1.15
63	Pin		161°37'50"	1.08
64	Pin		0°00'	0.954
65	Pin		59°37'40"	1.088
66	Pin		0°00'	1.24
67	Pin		210°45'	0.947
68	Pin		40°00'	1.175
69	Pin		89°50'10"	1.33
70	Pin		165°15'00"	1.265
71	Pin		169°22'30"	1.681
72	Pin		13°03'50"	3.431
73	Pin		314°02'15"	1.21
75	Pin		279°14'10"	1.782
76	Pin		97°00'	1.035
77	Pin		347°59'50"	1.693
78	Pin		267°53'	1.032
81	Pin		350°02'	1.016
83	Pin		103°19'20"	1.118

STN	TO	ORIGIN	BEARING	DIST
2	OP	RP728605	50°00'	1.0
2	ORT	RP728605	325°00'	2.42
3	OP	RP728605	189°54'	13.585
3	ORT	RP728605	270°00'	1.0
4	Pin	RP728605	186°27'	7.76
5	Pin	RP728605	201°05'45"	3.524
6	Pin	RP728605	162°05'30"	1.37
7	Pin	RP728605	50°23'50"	1.338
7	ORT	RP728605	187°21'	1.14
8	Pin	RP728605	210°45'	1.17
9	Pin	RP728605	89°52'20"	1.012
10	OP	RP728605	27°37'30"	1.012
11	Pin	RP728605	108°30'	10.56
12	Pin	RP728605	59°02'30"	0.962
13	Pin	RP728605	80°10'35"	1.384
14	Pin	RP728605	42°10'30"	0.885
15	Pin	RP728605	159°47'20"	5.633
16	Pin	RP728605	203°04'15"	0.99
17	Pin	RP728605	159°59'20"	1.23
17	Pin	RP728605	202°11'10"	0.894
18	Pin	RP728605	319°55'53"	1.009
19	Pin	RP728605	80°51'25"	1.031
20	Pin	RP728605	150°15'35"	1.031
21	Pin	RP728605	330°55'35"	1.011
22	Pin	RP728605	312°48'20"	1.215
23	Pin	RP728605	64°52'20"	1.229
24	Pin	RP728605	255°34'10"	0.849
27	Pin	RP728605	252°44'20"	2.587
29	Pin	RP728605	36°05'30"	0.994
30	Pin	RP728605	0°49'45"	1.035
31	Pin	RP728605	57°59'05"	0.978
32	Pin	RP728605	107°58'50"	1.463
33	Pin	RP728605	173°18'55"	1.1
35	Pin	RP728605	145°05'05"	0.991
36	Pin	RP728605	165°02'05"	0.99
37	Pin	RP728605	350°27'55"	1.028
39	Pin	RP728605	35°00'15"	1.084
42	Pin	RP728605	159°57'30"	1.011
43	Pin	RP728605	235°41'15"	1.205
44	Pin	RP728605	328°14'20"	1.84
45	Pin	RP728605	267°41'50"	1.21
46	Pin	RP728605	238°43'40"	1.221
47	Pin	RP728605	270°00'	1.634
48	Pin	RP728605	270°00'	3.792
49	Pin	RP728605	272°59'45"	0.877
49	ORT	RP728605	207°07'	1.47
49			138°00'	10.155

New Ref

State copyright reserved.

Insert
Plan
Number
SP123877

5738WEC-01 5738BES 6/16/00