Appendix S

Slope Stability Report

9 July 2024 J002474-001-L-Rev0

Mary-Lourde Dagher
SOILCO Pty Ltd

Email: mary-lourde.dagher@soilco.com.au

SLOPE STABILITY ASSESSMENT
PROPOSED COMMERCIAL DEVELOPMENT
MITCHELL ROAD BROMELTON

INTRODUCTION

At the request of SOILCO Pty Ltd (the Client), Core Consultants Pty Ltd (Core) has undertaken a landslide stability assessment for the proposed development at the above site. Our assessment was based on a review of available published geological information (Council maps and published geological mapping), a walk-over survey by a Core geotechnical engineer, and review of a previous geotechnical investigation report performed at this site (East Coast Geotechnical, dated 27th July 2021).

This report presents the results of our desktop study and site observations, together with our slope stability assessment. The landslide hazard assessment report has been prepared using the national AGS landslide guidelines methods.

SITE DESCRIPTION

The proposed development site is located on Lot 4 on RP85497 and covers an area of about 27,000 m2. The subject site is west of Beaudesert-Boonah Road and to the south of Mitchell Road.

The site is occupied by grassed paddocks with sparse to medium dense tree cover and has grass cover with shrubs and tree cover consisting of medium to large trees, the site has an undulating topography which is gently to steeply sloping. An overview of the site is provided in Image 1 below. Site conditions at the time of the walk-over are shown in Photographs 1 to 6 below.

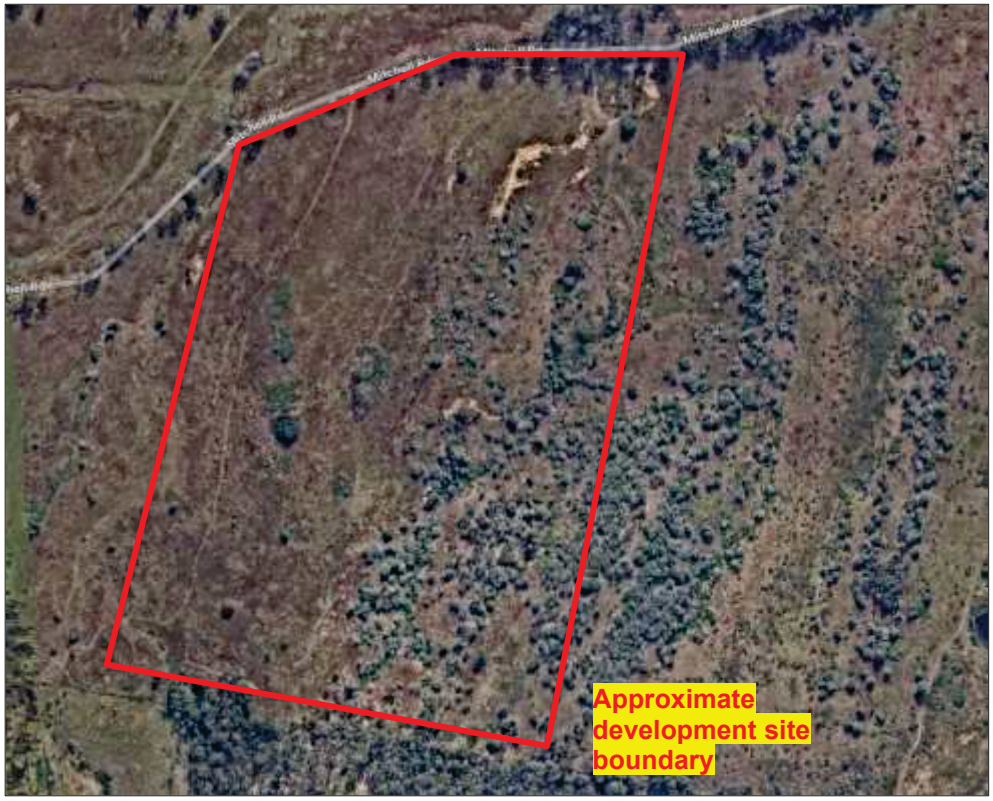


Image 1: Aerial view of site – Nearmaps (approximate site boundary annotated by Core)

Photograph 1: From western side of the site, looking east towards the centre of site

Photograph 2: From western side of the site, looking east towards the centre of site

Photograph 3: From northern side of the site, looking south towards the centre of site

Photograph 4: From northern side of the site, looking east, also showing creek with scour erosion

Photograph 5: Creek at north of the site, showing evidence of erosion

Photograph 6: Creek at north of the site, showing evidence of erosion

PROPOSED DEVELOPMENT

The proposed commercial development is to consist of a compost manufacturing facility, with associated access driveways, the development will involve cut to fill earthworks of approximately 10 m maximum depth of cut and fill. Fill slopes will not exceed 1V:2H and cut slopes will not exceed 1V:2H in soil and 1V:1H in rock. The development layout is shown in Image 2.

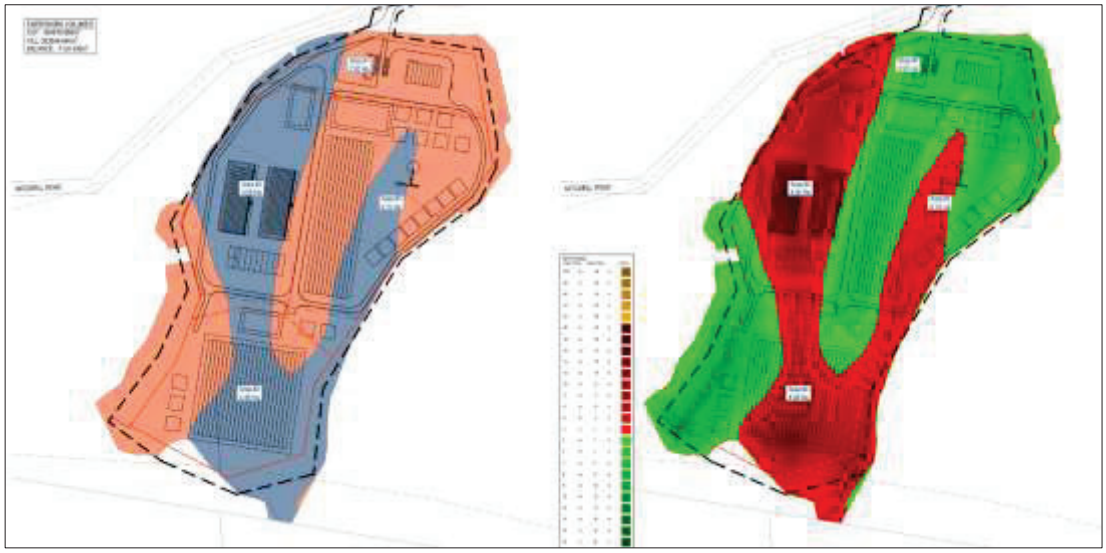


Image 2: Layout and cut-fill plan of proposed development (provided by Client)

METHOD OF INVESTIGATION

As part of our slope stability assessment, a desktop study was carried out comprising a review of the published geological maps of the area and the previous geotechnical investigation report at the site (East Coast Geotechnical, dated 27th July 2021), and the Scenic Rim Council (SRRC) planning scheme interactive map.

A walkover survey was conducted by a geotechnical engineer on 8thJuly 2024 to make an appraisal of the general site conditions, including assessment of the site conditions, topography, drainage, vegetation cover, geology, erosion, and slope stability.

RESULTS OF INVESTIGATION

Regional Geology

The Queensland Geotechnical Database (QGD) indicates that approximately half of the the site is underlain by the Middle Jurassic aged Heifer Creek Sandstone Member (**Jbmkh**) comprising "*Sublabile to quartzose sandstone, siltstone, shale*". The other half of the site is underlain by Early Jurassic – Middle Jurassic aged (**Jbmk**) comprising *"Lithofeldspathic labile and sublabile to quartzose sandstone, siltstone, shale, minor coal, ferruginous oolite marker."* An extract from the geology map is shown below in Image 3.

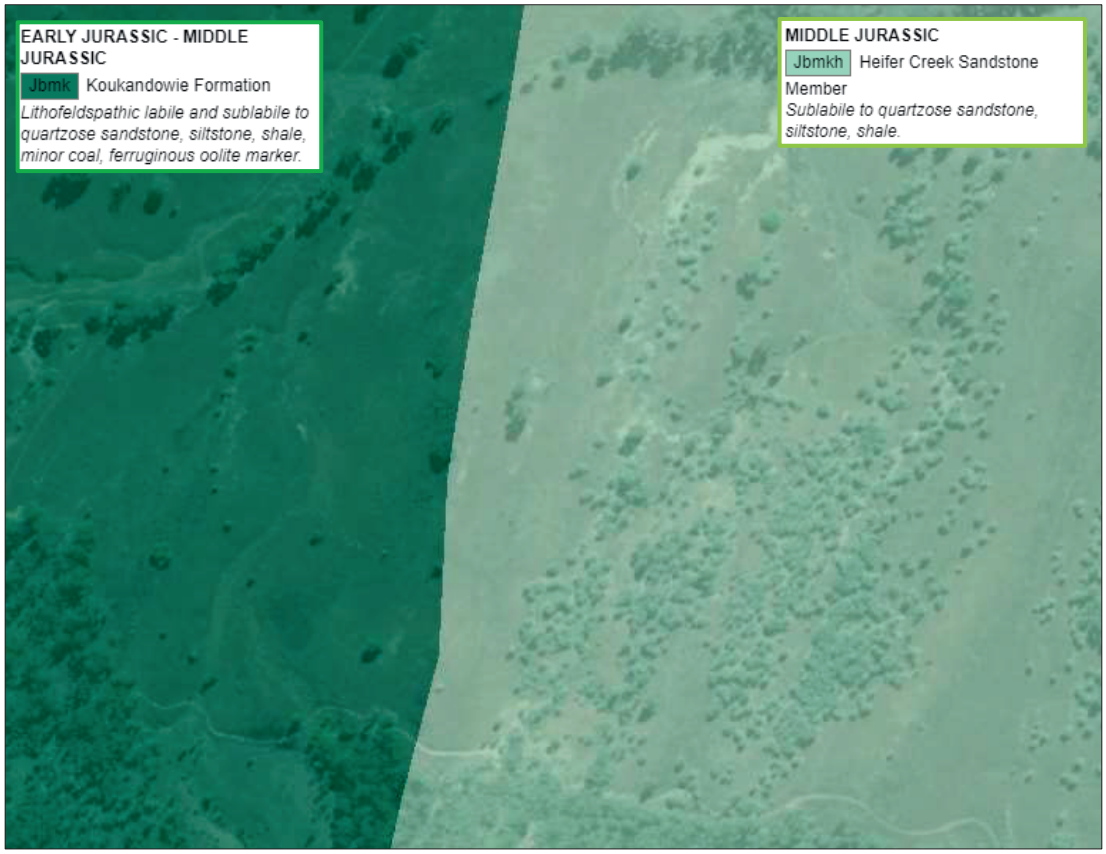


Image 3: Extract from the QGD

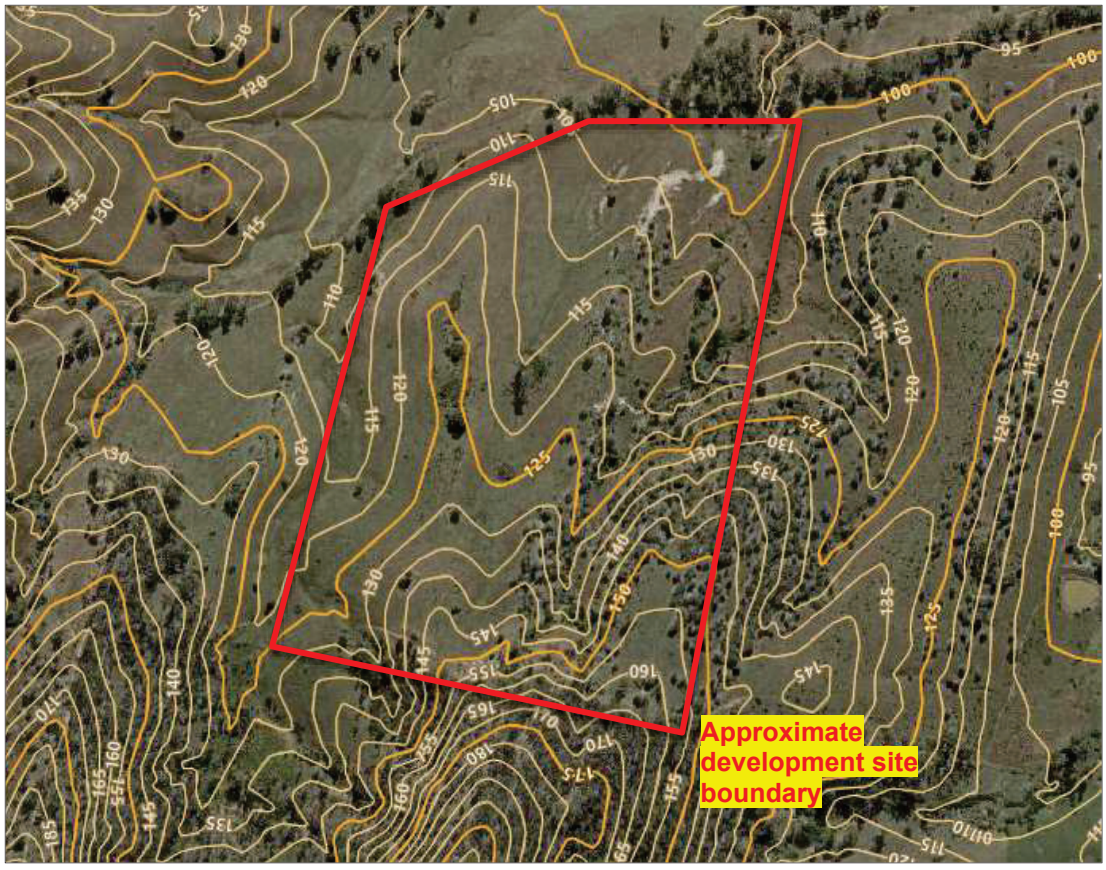


Image 4: Topographic setting (Georesglobe)

Previous geotechnical investigation

The previously performed geotechnical investigation (East Coast Geotechnical, dated 27th July 2021) is attached in Appendix C.

Based on the information provided in the previous geotechnical investigation report, the subsurface profile at the investigation site is likely to consist of natural silty clays and sand, with weathered rock encountered at 0.9 to 5.5 m below ground level (bgl). No signs of groundwater or seepage were recorded in the previous investigation's boreholes; local surface might be experienced in near surface sandy layers during or after periods of wet weather.

Site walkover

Observations made during the walk-over indicate that the site drainage is generally poor to fair. Erosion was noted around the creek located to the north of the site (draining to the north, but mostly dry at the time of inspection). The sites natural topography is undulating, with slight to steep slopes. The maximum slope fall is approximately 25 - 30%. Aside from the previously noted creek bed, there were no signs of water ponding noted at the site. There were no signs of instability noted during the site walkover.

COMMENTS AND RECOMMENDATIONS

Existing Conditions

The site is covered by the SRRC Landslide (susceptibility) Hazard Overlay which indicates areas of *Slope Hazard over 25%* (refer Image 5). These areas mainly appear the ridges at the south-east corner of the site.

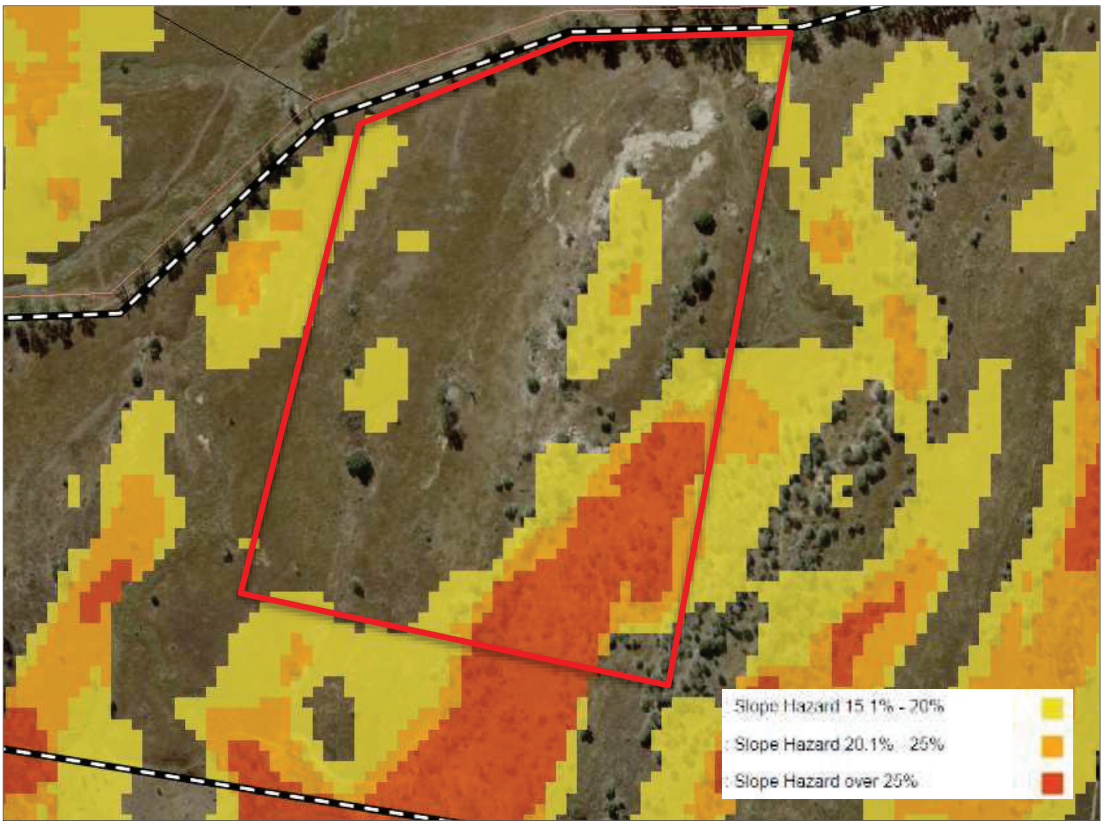


Image 5: Extract from SRRC Landslide hazard overlay

Following bulk earthworks (Image 2), the site will be level apart from perimeter cut and fill slopes. Fill slopes will not exceed 1V:2H and cut slopes will not exceed 1V:2H in soil and 1V:1H in rock. These slopes, and if any retaining walls are to be adopted, are checked by a geotechnical engineer to achieve a safety factor of not less than 1.5 for global instability.

Landslide Susceptibility Analysis

Using the Australian Geomechanics Society Landslide Risk Management methods (refer Appendix A) the likelihood of a failure of the existing site and the proposed development slopes provided all slope and retraining walls are checked by a geotechnical engineer to achieve a safety factor of not less than 1.5 for

global instability, is Unlikely and the consequence Minor, and the assessed risk is **Low** and acceptable. The creek banks and areas of cut to fill should also be checked by a geotechnical engineer at time of construction to verify stability.

A landslide susceptibility analysis was also carried out using the method of MacGregor and Taylor and is attached in Appendix B; this method indicates that the site has a **Low** susceptibility rating (i.e. less than 0.6) with no special treatment for stability being required.

Relative levels of risk and their implications are given in Table 1 below taken from '*Qualitative Terminology for Use in Assessing Risk to Property'*.

Table 1: Stability Risk Levels

Risk Level		Example Implications
VH	VERY HIGH RISK	Unacceptable without treatment. Extensive detailed investigation and research, planning and implementation of treatment options essential to reduce risk to Low; may be too expensive and not practical. Work likely to cost more than value of property.
H	HIGH RISK	Unacceptable without treatment. Detailed investigation, planning and implementation of treatment options required to reduce risk to Low. Work would cost a substantial sum in relation to the value of the property.
M	MODERATE RISK	May be tolerated in certain circumstances (subject to regulators' approval) but requires investigation, planning and implementation of treatment options to reduce risk to Low. Treatment options to reduce to Low risk should be implemented as soon as practicable.
L	LOW RISK	Usually acceptable to regulators. Where treatment has been required to reduce the risk to this level, ongoing maintenance required.
VL	VERY LOW RISK	Acceptable. Manage by normal slope maintenance procedures.
Note: 1) The implications for a particular situation are to be determined by all parties to the risk assessment and may depend on the nature of the property at risk; these are only given as a general guide.		

LIMITATIONS

Your attention is drawn to the document Limitations, which is also attached in Appendix D.

Please contact the undersigned should you wish to discuss any of the above matters.

Yours sincerely,

CORE CONSULTANTS PTY LTD

Matthew Addis
BEng(Civil) MIEAust
Geotechnical Engineer

Andrew Middleton
BE(Civil) FIEAust EngExec CPEng NER RPEQ 4366
Senior Principal Geotechnical Engineer

MA/AM/am

Attachments: Appendix A – AGS Qualitative Terminology for use in Assessing Risk to Property
Appendix B – Landslide Susceptibility Assessment
Appendix C – Limitations

Appendix A
AGS Qualitative Terminology for use in Assessing Risk to Property

PRACTICE NOTE GUIDELINES FOR LANDSLIDE RISK MANAGEMENT 2007

APPENDIX C: LANDSLIDE RISK ASSESSMENT

QUALITATIVE TERMINOLOGY FOR USE IN ASSESSING RISK TO PROPERTY

QUALITATIVE MEASURES OF LIKELIHOOD

Approximate Annual Probability		Implied Indicative Landslide Recurrence Interval		Description	Descriptor	Level
Indicative Value	Notional Boundary					
10^{-1}	$5x10^{-2}$	10 years	20 years	The event is expected to occur over the design life.	ALMOST CERTAIN	A
10^{-2}	$5x10^{-3}$	100 years	200 years	The event will probably occur under adverse conditions over the design life.	LIKELY	B
10^{-3}	$5x10^{-4}$	1000 years	2000 years	The event could occur under adverse conditions over the design life.	POSSIBLE	C
10^{-4}	$5x10^{-5}$	10,000 years	20,000 years	The event might occur under very adverse circumstances over the design life.	UNLIKELY	D
10^{-5}	$5x10^{-6}$	100,000 years	200,000 years	The event is conceivable but only under exceptional circumstances over the design life.	RARE	E
10^{-6}		1,000,000 years		The event is inconceivable or fanciful over the design life.	BARELY CREDIBLE	F

Note: (1) The table should be used from left to right; use Approximate Annual Probability or Description to assign Descriptor, not *vice versa*.

QUALITATIVE MEASURES OF CONSEQUENCES TO PROPERTY

Approximate Cost of Damage		Description	Descriptor	Level
Indicative Value	Notional Boundary			
200%	100%	Structure(s) completely destroyed and/or large scale damage requiring major engineering works for stabilisation. Could cause at least one adjacent property major consequence damage.	CATASTROPHIC	1
60%	40%	Extensive damage to most of structure, and/or extending beyond site boundaries requiring significant stabilisation works. Could cause at least one adjacent property medium consequence damage.	MAJOR	2
20%	10%	Moderate damage to some of structure, and/or significant part of site requiring large stabilisation works. Could cause at least one adjacent property minor consequence damage.	MEDIUM	3
5%	1%	Limited damage to part of structure, and/or part of site requiring some reinstatement stabilisation works.	MINOR	4
0.5%		Little damage. (Note for high probability event (Almost Certain), this category may be subdivided at a notional boundary of 0.1%. See Risk Matrix.)	INSIGNIFICANT	5

Notes: (2) The Approximate Cost of Damage is expressed as a percentage of market value, being the cost of the improved value of the unaffected property which includes the land plus the unaffected structures.

(3) The Approximate Cost is to be an estimate of the direct cost of the damage, such as the cost of reinstatement of the damaged portion of the property (land plus structures), stabilisation works required to render the site to tolerable risk level for the landslide which has occurred and professional design fees, and consequential costs such as legal fees, temporary accommodation. It does not include additional stabilisation works to address other landslides which may affect the property.

(4) The table should be used from left to right; use Approximate Cost of Damage or Description to assign Descriptor, not vice versa

APPENDIX C: – QUALITATIVE TERMINOLOGY FOR USE IN ASSESSING RISK TO PROPERTY (CONTINUED)

QUALITATIVE RISK ANALYSIS MATRIX – LEVEL OF RISK TO PROPERTY

LIKELIHOOD		CONSEQUENCES TO PROPERTY (With Indicative Approximate Cost of Damage)				
	Indicative Value of Approximate Annual Probability	1: CATASTROPHIC 200%	2: MAJOR 60%	3: MEDIUM 20%	4: MINOR 5%	5: INSIGNIFICANT 0.5%
A – ALMOST CERTAIN	10^{-1}	VH	VH	VH	H	M or **L** (5)
B - LIKELY	10^{-2}	VH	VH	H	M	**L**
C - POSSIBLE	10^{-3}	VH	H	M	M	**VL**
D - UNLIKELY	10^{-4}	H	M	**L**	**L**	**VL**
E - RARE	10^{-5}	M	**L**	**L**	**VL**	**VL**
F - BARELY CREDIBLE	10^{-6}	**L**	**VL**	**VL**	**VL**	**VL**

Notes: (5) For Cell A5, may be subdivided such that a consequence of less than 0.1% is Low Risk.
(6) When considering a risk assessment it must be clearly stated whether it is for existing conditions or with risk control measures which may not be implemented at the current time.

RISK LEVEL IMPLICATIONS

Risk Level		Example Implications (7)
VH	VERY HIGH RISK	Unacceptable without treatment. Extensive detailed investigation and research, planning and implementation of treatment options essential to reduce risk to Low; may be too expensive and not practical. Work likely to cost more than value of the property.
H	HIGH RISK	Unacceptable without treatment. Detailed investigation, planning and implementation of treatment options required to reduce risk to Low. Work would cost a substantial sum in relation to the value of the property.
M	MODERATE RISK	May be tolerated in certain circumstances (subject to regulator's approval) but requires investigation, planning and implementation of treatment options to reduce the risk to Low. Treatment options to reduce to Low risk should be implemented as soon as practicable.
L	LOW RISK	Usually acceptable to regulators. Where treatment has been required to reduce the risk to this level, ongoing maintenance is required.
VL	VERY LOW RISK	Acceptable. Manage by normal slope maintenance procedures.

Note: (7) The implications for a particular situation are to be determined by all parties to the risk assessment and may depend on the nature of the property at risk; these are only given as a general guide.

Appendix B
Landslide Susceptibility Assessment

Appendix B1

LANDSLIDE FREQUENCY ANALYSIS

Analysis No.:

NATURAL SHALLOW LANDSLIDES

LOCATION: Mitchell Rd Bromelton **Site No.** **Site name:** J002474

1 Basic Frequency

2 Slope Angle

Site		Level	Factor
	Less than 5 degrees	L	0.1
	Between 5 and 15 degrees	M	0.5
	Between 15 and 30 degrees	M	0.8
	Between 30 and 45 degrees	H	1.2
	More than 45 degrees	M	0.8

3 Slope Shape

Site		Level	Factor
	Crest or ridge	L	0.7
	Planar	M	0.9
	Convex	M	0.9
	Concave	H	1.5

4 Site geology

Site		Level	Factor
	Volcanic rock	H	1.1
	Sedimentary rock	M	1
	Low grade metamorphic rock	M	1
	High grade metamorphic rock	L	0.9
	Granitic rock	M	1

5 Material strength

Site		Level	Factor
	Rock at surface	VL	0.1
	Residual soil < 1 m deep	L	0.5
	Residual soil 1-3 m deep	M	0.9
	Residual soil >3 m deep	H	1.5
	Colluvial soil < 1 m deep	H	1.5
	Colluvial soil 1-3 m deep	VH	2
	Colluvial soil > 3 m deep	VH	4
	Fill (slope regrading)	VH	5

6 Concentration of surface water

Site		Level	Factor
	Ridge	L	0.7
	Crest	M	0.8
	Upper slope	M	0.9
	Mid slope	H	1.2
	Lower slope	H	1.5

7 Evidence of groundwater

Site		Level	Factor
	None apparent	L	0.7
	Minor moistness	M	0.9
	Generally wet	H	1.5
	Surface springs	VH	3

8 Evidence of instability

Site		Level	Factor
	No sign of instability	L	0.5
	Trees bent	H	1.5
	Minor irregularity	VH	2
	Major irregularity	VH	5
	Scarps	VH	10

Summary

		Factor
2	Slope Angle	0.8
3	Slope Shape	0.7
4	Site geology	1.0
5	Material strength	1.5
6	Concentration of surface water	1.2
7	Evidence of groundwater	0.7
8	Evidence of instability	0.5
9	**Relative Frequency (2x3x4x5x6x7x8)**	0.35

Site Frequency (1 x 9) 0.35

Appendix C
Limitations

LIMITATIONS

This Document has been provided by Core Consultants Pty Ltd ("Core") subject to the following limitations:

This Document has been prepared for the particular purpose outlined in Core's proposal and no responsibility is accepted for the use of this Document, in whole or in part, in other contexts or for any other purpose.

The scope and the period of Core's Services are as described in Core's proposal, and are subject to restrictions and limitations. Core did not perform a complete assessment of all possible conditions or circumstances that may exist at the site referenced in the Document. If a service is not expressly indicated, do not assume it has been provided. If a matter is not addressed, do not assume that any determination has been made by Core in regards to it.

Conditions may exist which were undetectable given the limited nature of the enquiry Core was retained to undertake with respect to the site. Variations in conditions may occur between investigatory locations, and there may be special conditions pertaining to the site which have not been revealed by the investigation and which have not therefore been taken into account in the Document. Accordingly, additional studies and actions may be required.

In addition, it is recognised that the passage of time affects the information and assessment provided in this Document. Core's opinions are based upon information that existed at the time of the production of the Document. It is understood that the Services provided allowed Core to form no more than an opinion of the actual conditions of the site at the time the site was visited and cannot be used to assess the effect of any subsequent changes in the quality of the site, or its surroundings, or any laws or regulations.

Any assessments made in this Document are based on the conditions indicated from published sources and the investigation described. No warranty is included, either express or implied, that the actual conditions will conform exactly to the assessments contained in this Document.

Where data supplied by the client or other external sources, including previous site investigation data, have been used, it has been assumed that the information is correct unless otherwise stated. No responsibility is accepted by Core for incomplete or inaccurate data supplied by others.

Core may have retained subconsultants affiliated with Core to provide Services for the benefit of Core. To the maximum extent allowed by law, the Client acknowledges and agrees it will not have any direct legal recourse to, and waives any claim, demand, or cause of action against, Core's affiliated companies, and their employees, officers and directors.

This Document is provided for sole use by the Client and is confidential to it and its professional advisers. No responsibility whatsoever for the contents of this Document will be accepted to any person other than the Client. Any use which a third party makes of this Document, or any reliance on or decisions to be made based on it, is the responsibility of such third parties. Core accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this Document.

Appendix T

Energy Concept Report

CONSULTING ENGINEERS

ELECTRICAL
LIGHTING
MECHANICAL
SECURITY
COMMUNICATIONS
AUDIO VISUAL

28th June 2024

SMEC
832 Southport-Nerang Road
NERANG QLD 4211

Attention: Robert Nutt

Email: Robert.Nutt@smec.com

BROMELTON COMPOST MANUFACTURING FACILITY - ENERGY CONCEPT REPORT
DESIGN CONSULTANCY - ELECTRICAL & LIGHTING SERVICES

Dear Robert,

The following report has been produced to investigate the proposed infrastructure for the Bromelton Compost Manufacturing Facility and produce commentary on the proposed upgrades required for the project.

The site is located on lot 4/RP85497 which is adjacent to Mitchell Road, Bromelton. Based on Energex online mapping there is an existing LV supply provided near the intersection of Mitchell Road / Beaudesert-Boonah Road.

An application has been placed with Energex for the supply of the site (Reference CX24BEA1117829Q) which is placed on hold until the DA conditions (and additional details) can be provided.

Based on the information provided, the scope of works is as follows:

- New sitewide point of supply
- New office building and parking facilities
- New internal roadway lighting
- Electrical supply to manufacturing equipment
  - Specific location and loads to be provided by the client
- External distribution boards with consideration for future connected electrical plant equipment

WEBB AUSTRALIA GROUP (QLD) PTY LIMITED ABN 30 010 733 561
SUITE 3, 29 WOODSTOCK ROAD TOOWONG QLD 4066 AUSTRALIA T +61 7 3870 4900 brisbane@webbaustralia.com.au www.webbaustralia.com.au
BRISBANE CANBERRA GOLD COAST MELBOURNE NEWCASTLE SUNSHINE COAST SYDNEY NEW ZEALAND
DIRECTORS GARRY LOWE MARK WILTON IAN FOY MARC PIROZZI
ASSOCIATES ALASTAIR CARR BILL HARDING CRAIG COLLINS CRAIG LITTLETON JAMES WALDEN KEN DOUGLAS KURT WILTON
ROBERT HAMILTON ROBERT SMITH SIMON CHIU STEVEN LAM

The following is an estimated maximum demand for the site based on the equipment list provided from the client:

Equipment No.	Equipment Type	PROPOSED 3Ø LOAD
CV-01A	Conveyor 1 - Infeed Hopper A	4A
CV-01B	Conveyor 1 - Infeed Hopper b	2A
CV-02	Conveyor 2 - Incline Conveyor	4A
SC-01	Trommer Screen	15A[1]
CV-03	Conveyor 3 - Overs/Sort Conveyor	4A[2]
MA-01	Overbelt Magnet	2A[3]
LS-01	Lights Recovery Separator	23A
CV-04	Shredder Feed Conveyor	4A
SH-01	Shredder - E50 or Similar	413A
CV-05	Fines Transfer Conveyor 1	4A
CV-06	Fines transfer Conveyor 2	4A
CV-07	Shredder Unders Conveyor	4A
FA-01	ASP Fan 1	61A
FA-02	ASP Fan 2	41A
Office Fit-out & Carpark Lighting	-	25A
Internal Roadway Lighting	-	10A
TOTAL		**620A**

The loads mentioned above would be further confirmed throughout a detailed design phase of the project.

Based on the maximum demand, a Padmount substation will be required. Refer to attached sketch for indicative location and Energex standard details around for sizing. Confirmation would be required from Energex regarding the earthing arrangement, for now a separate earthed substation is proposed. To further assist with location and sizing, the following information should be provided:

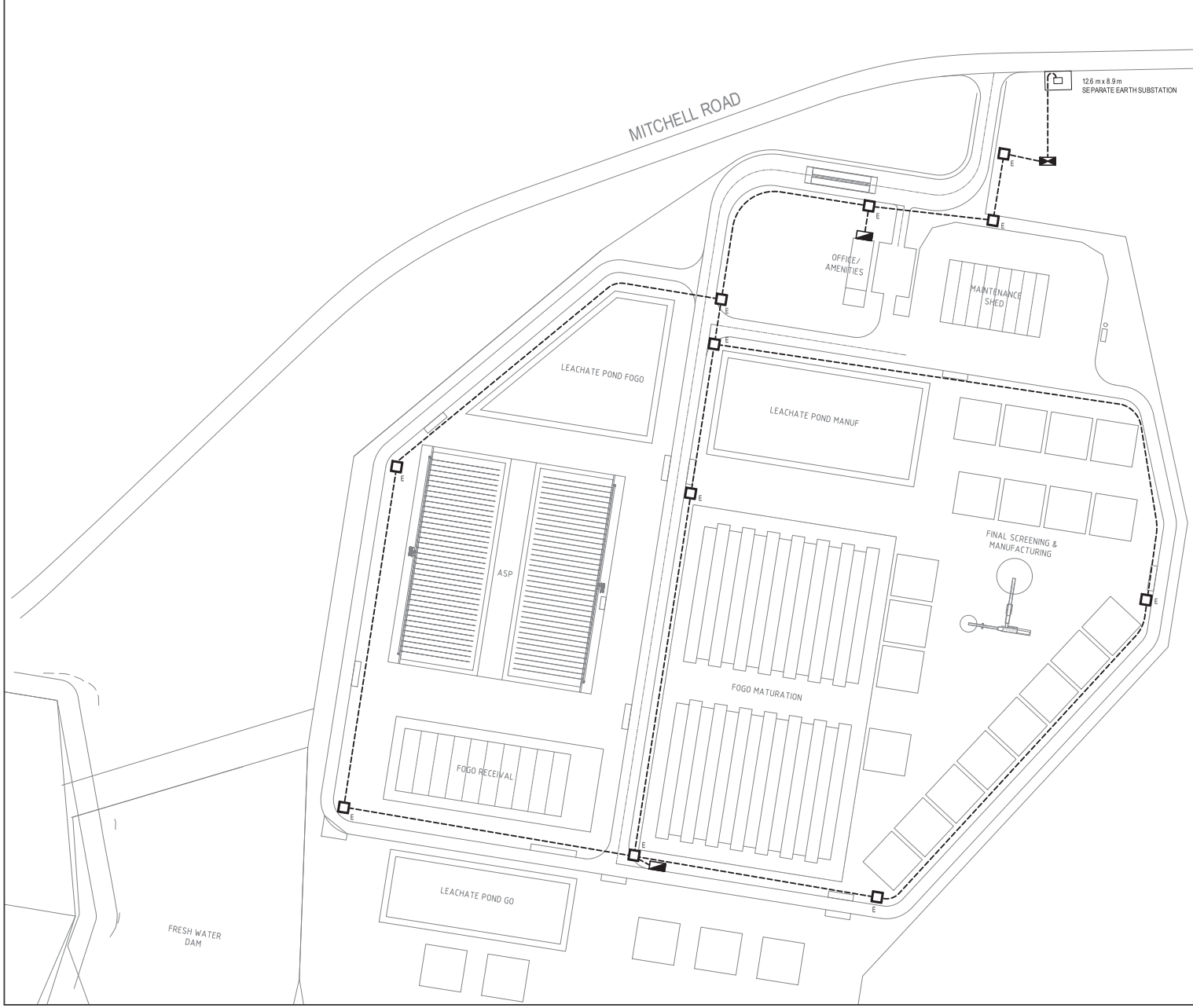
- Any Q100 flood levels of the site
- Hydrant locations to ensure minimum 10m separation in accordance with Energex standards
- Major electrical connections through the site
  - Potential const savings could be achieved by moving the substation internal of the site
- Any know future electrical plant that would be proposed for the site
  - Including indicative locations due to the size of the site

Yours faithfully
Webb Australia Group (Qld) Pty Ltd

per Nic Stack

BROMELTON COMPOST MANUFACTURING FACILITY

ELECTRICAL SERVICES



WEBB AUSTRALIA GROUP (QLD) PTY LTD

CONSULTING ENGINEERS - ABN 30 010 733 561

ELECTRICAL - LIGHTING - MECHANICAL - SECURITY
COMMUNICATIONS - AUDIO VISUAL - PV SOLAR

SUITE 3, 29 WOODSTOCK ROAD TOOWONG QLD 4066

brisbane@webbaustralia.com.au

www.webbaustralia.com.au

+61 7 3870 4900

AMENDMENTS

ISSUE	DATE	AMENDMENT
A	28.06.24	FOR INFORMATION

CLIENT

PROJECT
BROMELTON COMPOST MANUFACTURING FACILITY

DRAWING
ELECTRICAL SERVICES
SITE PLAN

SCALE @ A1	DRAFTED	DESIGNED	REVIEWED	APPROVED
N.T.S.	K.B.	N.S.	N.S.	N.S.

PROJECT No.	DRAWING NUMBER	REVISION
R868A	SK01	A

NORTH POINT

PROJECT STATUS
INFORMATION

DRAWINGS INCLUDE COLOUR INFORMATION. A BLACK AND WHITE COPY MAY NOT HAVE ALL THE INFORMATION. THIS BACKGROUND IS COLOURED BLUE

Appendix U

Site and Soil Evaluation Report

STAV'S HYDRAULIC SERVICES
ABN: 64 467 212 730
QBCC: 15061807
stephen@stavs.com.au
www.stavs.com.au
0402 303 599

SITE & SOIL EVALUATION REPORT
BROMELTON COMPOST MANUFACTURING FACILITY LOT 4 MITCHELL ROAD BROMELTON 4285

Prepared for:	SOILCO C/o ACS Engineers
Prepared by:	Stav's Hydraulic Services
Purpose:	Site & Soil Evaluation Report
Issue No:	A
Date Issued:	03-Oct-24
Author:	Stephen Stavrinou

1. Contents

2. Intro

Stav's Hydraulic Services have carried out a Site and Soil Evaluation for the On-Site waste water treatment and the effluent disposal for the proposed Bromelton Compost Manufacturing Facility at Lot 4 Mitchell Road Bromelton 4285.

The following report has been prepared in accordance with AS/NZS1547:2012, On-Site Domestic Waste Water Management and the Queensland Plumbing and Waste Water Code.

3. Executive summary

The recommendation and comments:

1. Use an Advanced Secondary all-waste sewage system such as the Envirocycle 10EP advanced Secondary Wastewater treatment system.

2. The peak daily design volume for the entire site is 4.4 Equivalent persons – 600l/day – loads from staff.

3. Soil is a densely structured category 5 – Clayey Sand, Low Plasticity, Fine Grained, yellow - Design Irrigation Rate (DIR) = 21 mm / week

4. Total land application to be comprised of a land application area of 220m2 via drippers.

5. Have warning signs, complying with AS1319 at the boundaries of the designated area in two places and clearly visible to property users with wording such as "Recycled Water – Avoid Contact – DO NOT DRINK"

6. On-site sewage systems are not designed to cope with the flow from garbage grinders, fats, oils or chemicals and household cleaning products are to be used in accordance with their labels.

7. The land application area is an important area and has to be maintained e.g. regularly mowed, do not drive vehicles over the area or allow livestock to access the land application area Follow the maintenance requirements specified by the manufacturer and authorised service agent.

4. Site Investigation

Site Investigation	
Date of Investigation	8.7.2024
Address	Lot 4 Mitchell Road Bromelton 4285
Area of Site	1,192,790m2
Property Description	Lot 4 on RP85497
Local Council	Scenic Rim Regional Council
Weather	Fine
Ground Cover	Grass
Well/Bores	0
Waterways	Existing Dams and waterways
Water Table	Nill
Embankments	Nill
Buildings	Nill
Site Exposure	Full Sunlight
Boundaries	Sufficient
Landscape Description	Waxing Divergent
Diversion / Retention Mound	Nill
Ground Water Cut off drains	Nill
Intended Water Supply	Rain Water

Soil Characteristics	
Depth	0-600mm
Texture - structure - Colour	Silty Sand Loam in the top layers that increase in sand content with depth
Soil Category	5
Indicative permeability (Ksat) m/day	0.71
Design Loading Rate (DLR) mm/week	21

5. Effluent Quality and Control Parameters

Effluent Quality Parameters			
Parameter	**Primary**	**Secondary**	**Advanced Secondary**
Bod_5	120-240	20	10
Total Suspended Solids (mg/L)	65-180	30	10
Thermotolerant Coliforms (org/100mL)	N/A	200	10

6. Design Calculations

Design Loadings				
No. of Staff	22			
Desing Flow L/day	30	Tank Water Supply		
Daily flow / Weekly Flow	660	/	4620	
Design Loading Rate (DLR) mm/week	21			
Land Application Area (m²)	220	m²	Adopt	220 m²

Bod5 Applied		
Bod_5 Applied 10mg / litre/ day	2.409	kg/year
Soil Absorption Only	0.05kg / m² / year	
Minimum land Application Area	48.18	m²

The proposed wastewater system utilises an Advanced Secondary all-waste sewage treatment plant – Envirocycle 10EP advanced Secondary Wastewater treatment system.

The Proposed system will discharge to drippers as per below calculations.

Compensating Dripper Calculations			
Compensation Dripper	220	30	m lateral length
No. of Laterals and Spacing's	7	1	m centres
Dripper Hole spacing	0.5	m dripper hole spacing	
Compensating dripper flow rate		2.5	l/hour dripper rate
Effluent Flow Rate		440	l/hour

AS1547 states that:

a. The effluent is required to be evenly distributed within the designated area.

b. Have warning, complying with AS1319 at the boundaries of the designated area in two places and clearly visible to property users with wording such as "Recycled Water – Avoid Contact – DO NOT DRINK"

c. Ensure that the effluent does not come into contact with people, domestic animals, fruit or vegetables for human consumption

7. Operation and Maintenance

Maintenance requirements specified by the manufacturer and authorized service agent are to be implemented. These include:

- Use low sodium biodegradable soaps and detergents
- No paints, solvents, chemicals, food scraps, fats, oils or any other solids are not to be disposed of ”down the drain”
- On-site sewage systems are not designed to cope with the flow from garbage grinders
- The land application area is an important area and has to be maintained e.g. regularly mowed or pruned also ensuring that there is no ponding of effluent in the disposal area
- Vehicles, livestock or general access is to be generally restricted with warning signs erected

8. Appendix A - Land application area Vegetation

Vegetation for Land Application Area		
Recommended Species: Callistemon, Melaleuca, Lomandra and Casuarina		
Vegetation Form	**Botanical Name**	**Common Name**
Ground cover / grasses / clumping	Belechnum SPP	Water ferns
	Lomandra Longiflora	Matt rush
	Theme Triandra	Kangaroo grass
	Viola Hederacea	Native violet
	Dianella Caurulea	Paroo lily
	Gahnia SPP	Sword grass
Vines	Cissus Antarctica	Kangaroo vine
	Cissus Hypoglauca	Water vine
	Hibberta Scandens	Guinea flower
Shrubs	Callistemon Pachyphylius	Swamp callistemon
	Callistemon Salignus	Pink tips
	Leptospernum Speciosum	Coastal tea tree
	Leptospernum Flavescens	Weeping tea tree
	Melastoma Affine	Native lasiandra
Small Trees	Melicope Elleryana	Corkwood
	Melaleuca Thymafolia	Pink or white lace
	Melaleuca Sheberi	Paperbark
	Melaleuca Nodosa	Paperbark
	Melaleuca Dealbata	White bolly gum
	Archontophoenix Cunninghamiana	Picabeen or Bangalow plam
	Eucalyptus Congiomerata	Swamp stringy bark
	Eucalyptus Intermedia	Pink bloodwood
	Glochidion Sumatranum	Umbrella cheese tree
	Hymenosporum Flavum	Native frangipani
	Livistonia Australis	Cabbage palm
	Lophostermon Suaveolens	Swamp turpentine
	Melaleuca Quinquenervia	Broadleaf paperbark
	Syzygium SPP	Lillypillies

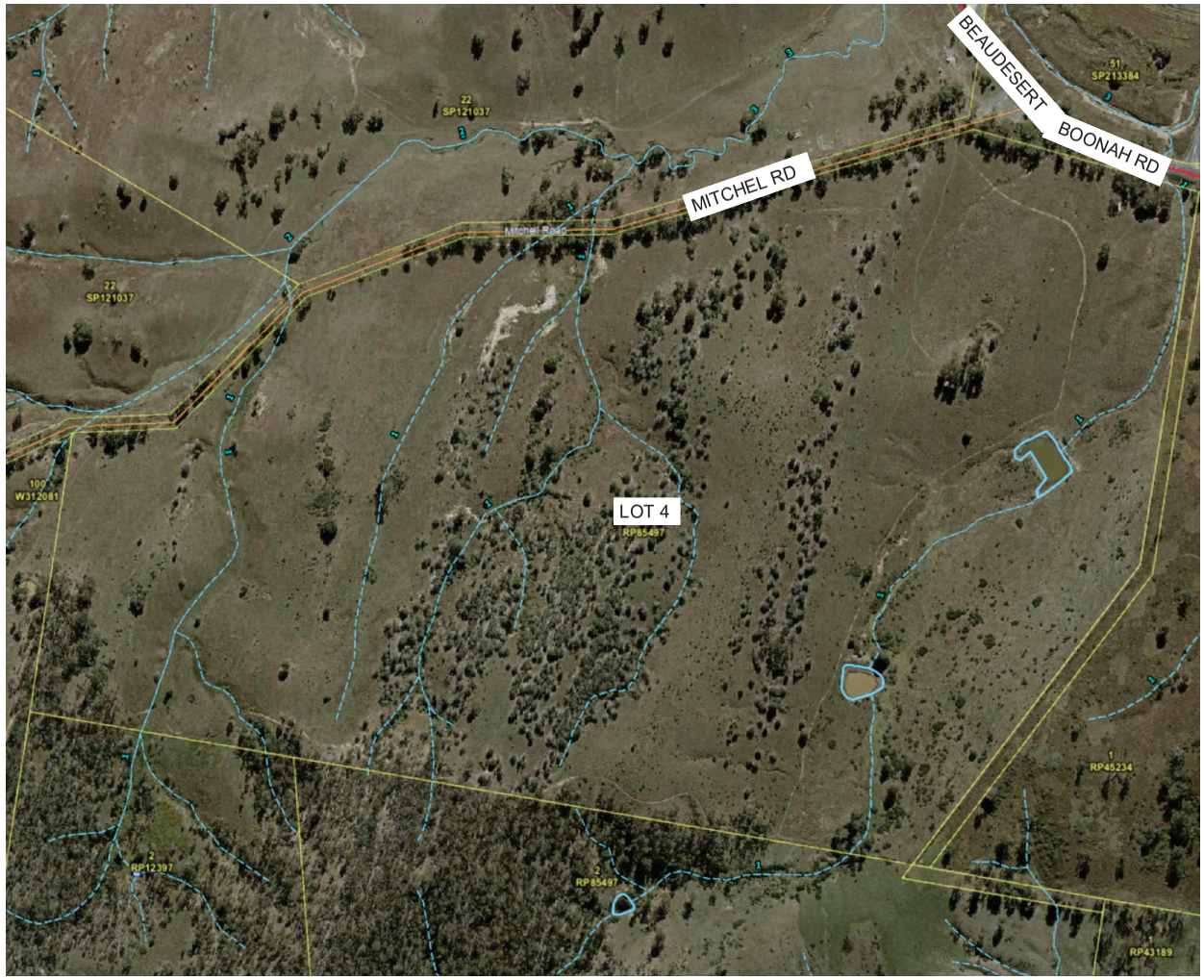
9. Appendix B - Land application area plan

EFFLUENT DISPOSAL

LOT 4 ON RP85497
MITCHELL ROAD
BROMELTON QLD 4285

DRAWING LIST

H101 - COVER SHEET & LOCATION PLAN
H102 - LEGEND, NOTES & DETAILS
H103 - SITE PLAN
H104 - PART SITE PLAN EFFLUENT DISPOSAL LAYOUT



LOCATION PLAN
NOT TO SCALE

2m 0 2m 4m 6m 8m 10m

ISSUE	AMENDMENT	DATE
P1	PRELIMINARY ISSUE	18.07.2024
A	APPROVAL ISSUE	03.10.2024

DESIGNER: STEPHEN STAVRINOU QBCC 15061807

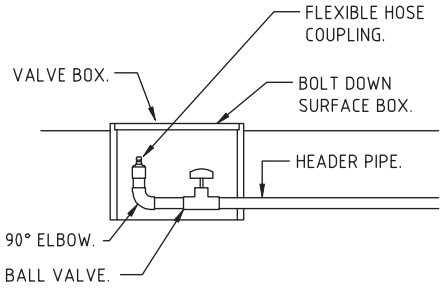
CLIENT:
SOILCO
C/o ACS ENGINEEERS

CONSULTANT:
SHS
STAV'S HYDRAULIC SERVICES
07 5623 4177
www.stavs.com.au
shs@stavs.com.au
PO Box 529,
Jimboomba, Qld

PROJECT:
SITE & SOIL EVALUATION REPORT
LOT 4 ON RP85497
MITCHELL ROAD
BROMELTON 4285

TITLE:
HYDRAULIC SERVICES
COVER SHEET & LOCATION PLAN

PROJECT No.	ACS31	DRAWING No.	ISSUE No.
SCALE / SIZE:	N.T.S @ A3	H101	A



FLUSHING VALVE DETAIL

SCALE: NTS

GENERAL

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF AS3500, THE BUILDING CODE OF AUSTRALIA, RELEVANT AUSTRALIAN STANDARDS AND THE LOCAL AUTHORITY REQUIREMENTS.

2. THESE PLANS SHALL BE READ IN CONJUNCTION WITH THE APPROVED ARCHITECTURAL AND RELEVANT SERVICES PLANS AND SPECIFICATIONS

3. LOCATION OF EXISTING SERVICES HAS BEEN DETERMINED FROM SITE VISITS AND EXISTING RECORD PLANS. NO PROVING OF SERVICES HAS BEEN UNDERTAKEN. THE CONTRACTOR SHALL PROVE ALL SERVICES PRIOR TO COMMENCING CONSTRUCTION AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCIES BEFORE PROCEEDING. THIS CONTRACTOR MUST CO-ORDINATE WITH ALL OTHER SERVICES. PIPEWORK SHOWN ON THIS DRAWING IS DIAGRAMMATIC ONLY. FINAL LOCATION OF SERVICES SHALL BE DETERMINED ON SITE.

4. ARRANGE & APPLY TO THE LOCAL AUTHORITY FOR ALL NECESSARY PERMITS. PAY ALL PLUMBING INSPECTION FEES AND CHARGES, OBTAIN COMPLETION CERTIFICATE AND SUBMIT TO SUPERVISOR.

5. THE ENTIRE HYDRAULIC SERVICES INSTALLATION AND EQUIPMENT SHALL BE MAINTAINED UNDER WARRANTY FOR A PERIOD OF TWELVE (12) MONTHS AFTER PRACTICAL COMPLETION HAS BEEN ACHIEVED.

6. PROVIDE INSTRUCTIONS MANUALS AT PRACTICAL COMPLETION. CONTAINING THE FOLLOWING:

- GENERAL DESCRIPTION OF PROJECT

- LISTING OF EQUIPMENT, MANUFACTURERS NAMES, AGENTS ETC.

- OPERATING AND MAINTENANCE INSTRUCTIONS AND WARRANTY INFORMATION FOR EACH ITEM OF EQUIPMENT.

- "AS CONSTRUCTED" DRAWINGS.

- COUNCIL INSPECTION REPORTS AND FINAL COMPLETION CERTIFICATES FROM RELEVANT AUTHORITIES.

WATER

1. ALL EXPOSED HW & CW PIPEWORK SHALL BE COPPER TUBE TYPE "B" TO AS1432. CONNECT COPPER PIPE WITH BRAZED JOINTS IN AS1645 OR COMPRESSION JOINTS AS1585. USE PRE-INSULATED PIPEWORK FOR HOT WATER SERVICES OR INSULATE WITH 'ARMAFLEX' INSULATION OR SIMILAR. DENSO WRAP ALL CW PIPEWORK IN-GROUND. PROVIDE INSULATION TO ALL HOT WATER PIPEWORK. PROVIDE ALL NECESSARY ALLOWANCES FOR THERMAL MOVEMENT OF PIPES.

2. WATER SUPPLY PIPEWORK CONCEALED IN WALLS AND EXTERNAL TO BUILDING IN-GROUND MAY BE POLYETHYLENE PIPE OF MIN. CLASS 12, AND SHALL COMPLY WITH AS 1159. INSTALLATION OF POLYETHYLENE PIPES SHALL BE IN ACCORDANCE WITH AS 2033 AND THE MANUFACTURERS SPECIFICATIONS.

3. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT WATER HAMMER AND RECTIFY SHOULD IT OCCUR.

4. EXTERNAL AND INTERNAL HOSE COCKS SHALL BE FITTED WITH HOSE TYPE VACUUM BREAKERS.

5. PROVIDE HW & CW STOPCOCKS TO ALL HW & CW FIXTURES.

6. ALL PIPEWORK TO BE IDENTIFIED IN ACCORDANCE WITH AS1345.

7. ALL PIPE DIAMETERS NOMINATED ARE NOMINAL BORE DIAMETERS UNLESS NOTED OTHERWISE.

ON SITE DISPOSAL NOTES

1. IRRIGATION SYSTEM TO COMPLY WITH AS1547, QLD PLUMBING WASTE WATER CODE, ASSOCIATED DOCUMENTATION AND MANUFACTURERS SPECIFICATIONS.

2. MINIMUM COVER OVER RISING MAIN 450mm. RISING MAINS TO BE 32ϕ PIPES TO AS/NZS 1477. PIPE TO BE LILAC COLORED AND/OR INSTALLED WITH TAPE IDENTIFYING THE PIPES CONTENTS AS SEWAGE EFFLUENT.

3. IRRIGATION SYSTEMS DISTRIBUTE EFFLUENT INTO THE TOPSOIL LAYERS TO PROVIDE IN-SOIL TREATMENT OF THE REMAINING EFFLUENT RESIDUALS AS WELL AS PROVIDE NUTRIENT UPTAKE AND EVAPOTRANSPIRATION BY GRASS, SHRUBS OR PLANTINGS. THE CHOSEN GRASS, SHRUBS OR PLANTINGS SHALL BE PLANTED/SEEDED PRIOR TO THE COMMISSIONING OF THE SYSTEM TO ALLOW FOR PROPER EFFLUENT DISPOSAL.

DRAINAGE

1. SANITARY DRAINAGE & VENT PIPEWORK IN UPVC IN ACCORDANCE WITH AS1260 AND THE MANUFACTURERS SPECIFICATIONS.

2. ALL PIPEWORK TO BE IDENTIFIED IN ACCORDANCE WITH AS1345.

3. ALL PIPE DIAMETERS NOMINATED ARE NOMINAL BORE DIAMETERS UNLESS NOTED OTHERWISE.

LEGEND

R R	PUMPED EFFLUENT
	SANITARY DRAINAGE PIPEWORK
	VENT PIPEWORK
	STORMWATER PIPEWORK
	COLD WATER PIPEWORK
	HOT WATER PIPEWORK
⋈	VALVE

AFFL	ABOVE FINISHED FLOOR LEVEL
AHD	AUSTRALIAN HEIGHT DATUM
B	BASIN
CD	CONDENSATE DRAIN
COS	CLEAR OUT TO SURFACE
Cu	COPPER PIPE
CW	COLD WATER
CV	CONTROL VALVE
DP	DOWN PIPE
DW	DISHWASHER
e	EXISTING TO REMAIN
FFL	FINISHED FLOOR LEVEL
FW	FLOOR WASTE GULLY (c/w REMOVABLE CHROME GRATE)
H/L	HIGH LEVEL
HC	HOSE COCK c/w KEY OPERATED HAND
HW	HOT WATER
HWH	HOT WATER HEATER
IC	INSPECTION CHAMBER
IO	INSPECTION OPENING
L/L	LOW LEVEL
ORG	OVERFLOW RELIEF GULLY
SHR	SHOWER
SK	SINK
WC	WATER CLOSET
VB	VACUUM BREAKER

ISSUE	AMENDMENT	DATE
P1	PRELIMINARY ISSUE	18.07.2024
A	APPROVAL ISSUE	03.10.2024

DESIGNER: STEPHEN STAVRINOU QBCC 15061807

CLIENT:
SOILCO
C/o ACS ENGINEEERS

CONSULTANT:
SHS
STAV'S HYDRAULIC SERVICES
07 5623 4177
www.stavs.com.au
shs@stavs.com.au
PO Box 529,
Jimboomba, Qld

PROJECT:
SITE & SOIL EVALUATION REPORT
LOT 4 ON RP85497
MITCHELL ROAD
BROMELTON 4285

2m 0 2m 4m 6m 8m 10m

TITLE:
HYDRAULIC SERVICES
LEGEND, NOTES & DETAILS

PROJECT No.	ACS31	DRAWING No.	ISSUE No.
SCALE / SIZE:	NTS @ A3	H102	A

ISSUE	AMENDMENT	DATE
P1	PRELIMINARY ISSUE	18.07.2024
A	APPROVAL ISSUE	03.10.2024

DESIGNER: STEPHEN STAVRINOU QBCC 15061807

CLIENT:

SOILCO
C/o ACS ENGINEEERS

CONSULTANT:

SHS
STAV'S HYDRAULIC SERVICES

07 5623 4177
www.stavs.com.au
shs@stavs.com.au
PO Box 529,
Jimboomba, Qld

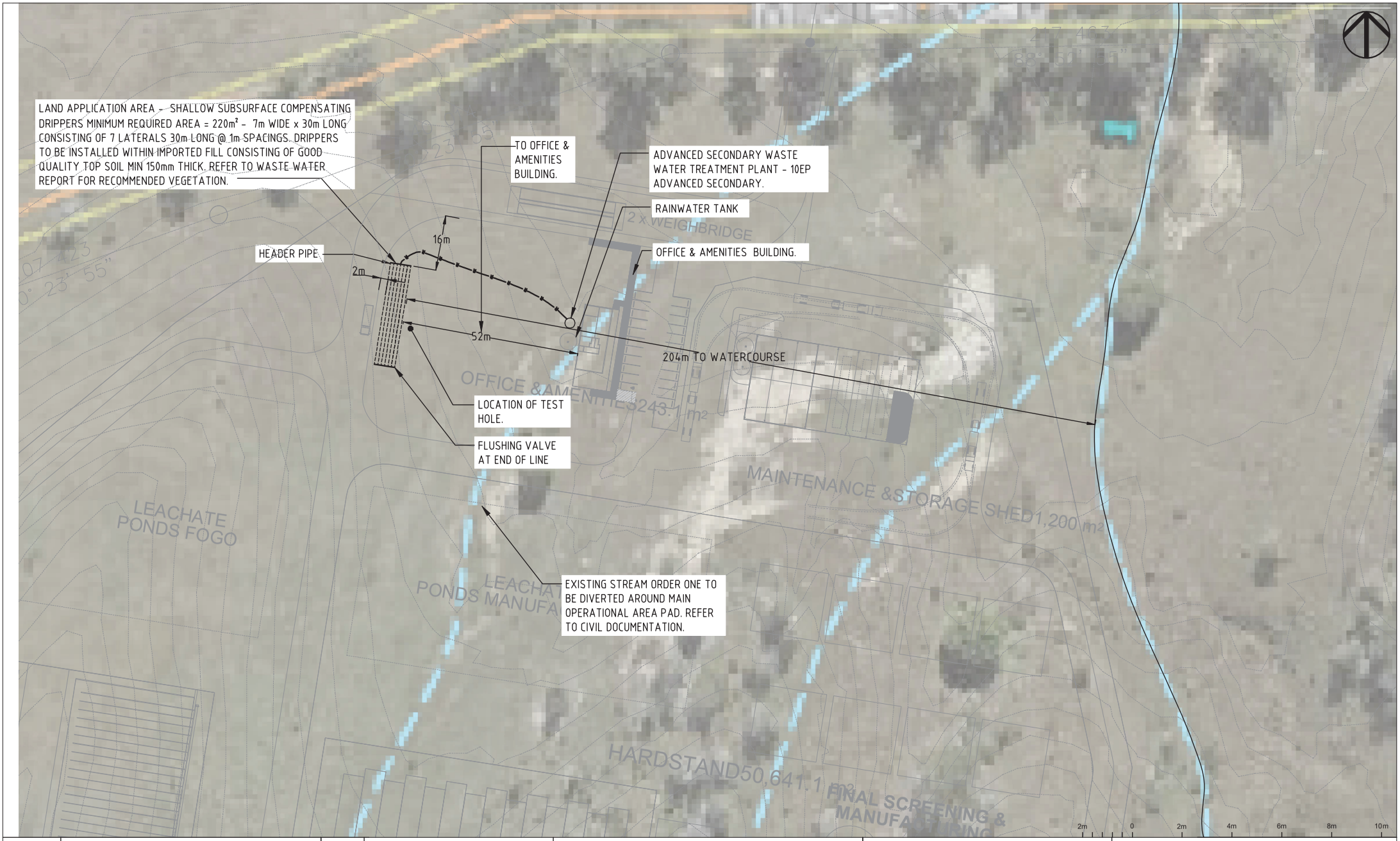
PROJECT:

SITE & SOIL EVALUATION
REPORT
LOT 4 ON RP85497
MITCHELL ROAD
BROMELTON 4285

TITLE:

HYDRAULIC SERVICES
SITE PLAN

PROJECT No.	ACS31	DRAWING No.	ISSUE No.
SCALE / SIZE:	1:4000 @ A3	H103	A



ISSUE	AMENDMENT	DATE
P1	PRELIMINARY ISSUE	18.07.2024
A	APPROVAL ISSUE	03.10.2024

DESIGNER: STEPHEN STAVRINOU QBCC 15061807

CLIENT:

SOILCO
C/o ACS ENGINEEERS

CONSULTANT:

SHS
STAV'S HYDRAULIC SERVICES

07 5623 4177
www.stavs.com.au
shs@stavs.com.au
PO Box 529,
Jimboomba, Qld

PROJECT:

SITE & SOIL EVALUATION REPORT
LOT 4 ON RP85497
MITCHELL ROAD
BROMELTON 4285

TITLE:

HYDRAULIC SERVICES
PART SITE PLAN
EFFLUENT DISPOSAL LAYOUT

PROJECT No.	ACS31	DRAWING No.	ISSUE No.
SCALE / SIZE:	1:1000 @ A3	H104	A

Appendix V

Stakeholder engagement report

STAKEHOLDER ENGAGEMENT REPORT

BROMELTON COMPOST MANUFACTURING FACILITY

260 MITCHELL ROAD, BROMELTON, QLD 4285

Lot 4 RP85497

CONTENTS

Executive Summary

SOILCO propose to establish and operate a Compost Manufacturing Facility (CMF) on Lot 4 RP85497, 260 Mitchell Road, Bromelton, QLD 4285. The development site is a 24-hectare greenfield site located within the Bromelton State Development Area (SDA) and Scenic Rim Regional Council Area.

The site is located approximately 8km west of the township of Beaudesert. The population of Beaudesert, as per the 2021 Australian Bureau of Statistics Census, is 6,752. Bromelton and Josephville, two areas which comprise the Bromelton SDA, have a population of 129 and 172 respectively. These areas were considered relevant and included in the community consultation efforts.

Relevant stakeholder groups engaged with include State Government Departments, Local Government Council, Business Associations, Local Community, Traditional Owners and Neighbouring Landholders

As the proposed development is still in the application stage, implementation of the stakeholder engagement plan is ongoing. Some engagement activities are yet to be undertaken.

The following engagement activities have been, or will be, undertaken by SOILCO as part of the engagement plan:

- Stakeholder meetings
- Email liaison
- Presentation of the proposed project at Beaudesert Chamber of Commerce
- Membership with the Beaudesert Chamber of Commerce
- Membership with the Bromelton Business Group
- Newspaper advertisements in local Scenic Rim media outlets (i.e. Beaudesert Bulletin, Fassifern Guardian)
- Open day at the SOILCO Stott's Creek Organics Processing Facility (OPF) in Northern NSW
- Social media posts and other online media
- Consultation with traditional Mununjali elders for a Walk on Country
- Hosting of an onsite community field day at the Bromelton site (to be undertaken as part of the public notification period)

Throughout the design and assessment phase of the project, there has been general support for the proposed SOILCO Bromelton CMF and the overall direction of this development.

Regular monitoring, reviewing and adaptation of the community stakeholder engagement plan will ensure it remains effective and encourages community participation.

1.0 Project Description

SOILCO Pty Ltd is a family-founded business that designs, builds and operates innovative organics recycling facilities across New South Wales and Queensland. The head office is located in Kembla Grange, NSW.

SOILCO propose to establish a Compost Manufacturing Facility (CMF) on Lot 4 RP85497, a 24-hectare greenfield site located within the Bromelton State Development Area (SDA). The site is located approximately 8km west of the township of Beaudesert and is to be accessed via Mitchell Road, a currently unformed road that will be constructed as part of the development. Mitchell Road extends off the state-controlled Beaudesert-Boonah Road; Mitchell and Beaudesert-Boonah Rd intersection upgrades are also proposed as part of the development.

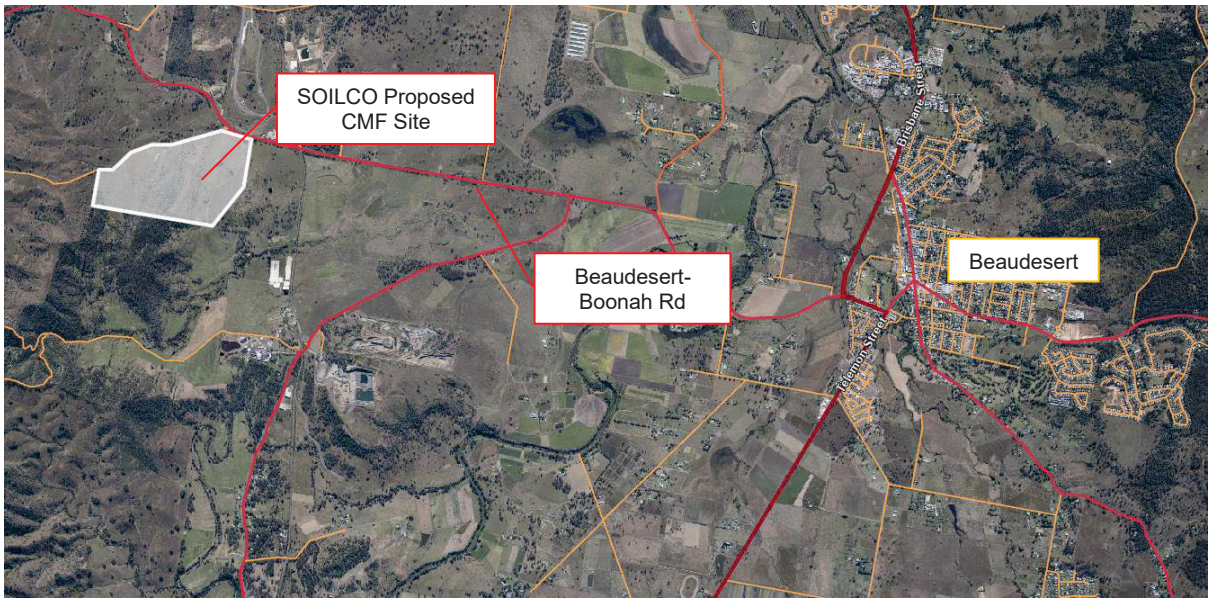


Figure 1: Proposed CMF Site Location

The proposal seeks to manufacture, store, and distribute soil, compost and mulch products that meet Australian Standards AS4454:2012 and AS4419 for sale direct to market. The proposed CMF will consist of three areas—receival, decontamination and composting—for the processing of:

- 150,000 tpa of organic waste using an Aerated Static Pile (ASP) method; and
- 100,000 tpa of organic waste using a Passive Open Windrow (OW) method.

The proposed facility will also undertake receipt, processing, storage and blending of up to 150,000 tpa of sand and soil products for the manufacturing of soil blends to cater for the landscape, agricultural and urban amenity markets.

Odour and leachate management strategies will be implemented as per the QLD Department of Environment, Science and Innovation *Best Practice Environmental Management ERA 53(a) Organic Material Processing by Composting* (2024). Associated infrastructure such as offices, car parks and amenities blocks will be built to support the development and operation of the proposed CMF.

Operational hours of the CMF would be as follows:

- Monday to Friday from 6am to 6pm.
- Saturday from 6am to 4pm; and
- Sundays and Public Holidays from 9am to 4pm.

2.0 Consultation

The Bromelton SDA is located within the Scenic Rim Regional Council, approximately 8km west of Beaudesert and 75km south-west of Brisbane. The Bromelton SDA is an area designated for high impact, difficult to locate and rail dependent (due to access of the Sydney-Brisbane rail corridor) industries. It includes much of the areas of Bromelton and Josephville, population 129 and 172 respectively (Australian Bureau of Statistics, 2021 Census data). The township of Beaudesert, population 6,752, is also considered as relevant and was thus included in the consultation.

Initial agency consultation (with the Queensland Office of the Co-Ordinator General) commenced in mid-2022.

Stakeholder engagement began in the pre-lodgment phase of the proposal and has been conducted in accordance with the QLD Department of State Development, Infrastructure, Local Government and Planning Social Impact Assessment Guideline (2018).

The following stakeholders were, or will be, contacted by SOILCO as part of the engagement plan:

- State Government Departments:
  - Department of Transport and Main Roads (TMR)
  - Department of Environment, Science and Innovation (DESI)
  - Department of Agriculture and Fisheries (DAF)
  - Department of Regional Development and Water (Water Services)
  - Seqwater
  - Office of the Coordinator-General (OCG)
- Scenic Rim Regional Council (SRRC)
- Business Associations:
  - Bromelton Business Group
  - Beaudesert Chamber of Commerce
- Local community
- Traditional owners
- Neighbouring Landholders

Table 1 contains further information on the above stakeholders who have been engaged with during consultation, as well as those intended to be engaged with in future.

The following engagement activities have been undertaken by SOILCO as part of the engagement plan to date:

- Stakeholder meetings
- Email liaison
- Presentation of the proposed project at Beaudesert Chamber of Commerce and membership of the Beaudesert Chamber of Commerce

- Membership with the Bromelton Business Group
- Newspaper advertisements in local Scenic Rim media outlets (ie. Beaudesert Bulletin, Fassifern Guardian)
- Open day at the Stott's Creek OMF facility in Northern NSW

Table 1 also outlines the engagement activities undertaken during consultation. While these actions are minimal to date, SOILCO intends to engage more with community stakeholders about the progress, performance and compliance of the project, and continue its open and frequent communication with statutory bodies. Regular monitoring, reviewing and adaptation of the stakeholder engagement plan will ensure it remains effective and encourages ongoing open communication with all stakeholders.

The following future engagement activities are planned to be undertaken by SOILCO as part of the engagement plan:

- Further newspaper advertisements in local Scenic Rim media outlets.
- Social media posts and other online media.
- Consultation with traditional Mununjali elders for a Walk on Country.
- As part of the public notification period, hosting of an onsite community field day at the Bromelton site.

Overall, there is general support for the proposed SOILCO Bromelton CMF and the direction of this development throughout the design and assessment phase of the project.

Figure 2: Joel Coulton (SOILCO business manager) receiving his Beaudesert Chamber of Commerce membership certificate from President John Powell (Beaudesert Bulletin, Oct 2023)

2.1 Values and Objectives

SOILCO has undertaken its stakeholder engagement process in a sequenced, strategic approach t, to provide fair opportunities for communities and stakeholders to participate in the project's development and delivery.

A focus on best practice public participation has been undertaken to enhance the project's reputation and build SOILCO's social licence to operate in the local community.

The strategic approach considers five elements:

1.	**A strong narrative**	Developing a narrative that is clear and promotes the benefits of the CMF for Beaudesert, the Scenic Rim and South-East Queensland.
2.	**Sequenced briefings**	Ensuring correct sequencing of stakeholder briefings such that right stakeholders are informed at the right time.
3.	**Agreed messaging**	Communication should be adapted to suit different audiences and used consistently for communication materials and engagement activities. Emphasis on plain, English language for community engagement is important to ensure inclusivity.
4.	**Robust engagement schedule and reporting cycle**	A Communication Action Plan will be used to track upcoming activities, internal roles and responsibilities. A regular reporting cycle will ensure lessons learned are captured and changes to the engagement approach can be adopted for better outcomes if necessary.
5.	**Effective issues management**	A risk mitigation and issues management plan will be required to minimise engagement risks and protect reputation in the event of negative community and stakeholder feedback.

2.2 Stakeholder Engagement

Table 1: Stakeholder Engagement and Activities

Date	Stakeholder/s	Project Team Involved	Engagement Purpose/Method	Notes
Stakeholder/Community Engagement undertaken to date				
05/06/2024	Scenic Rim Regional Council (SRRC)	SRRC – Mayor, CEO, General Managers, Economic Development Team SOILCO – Charlie Emery (*Managing Director*), Jason Gaff (*General Manager Infrastructure Delivery*) ACS Engineers – Angela Harlen (*Director*), Susan Shay (*Director/Principal Civil and Environmental Engineer*)	Meeting - Overview of the project Pre-lodgement meeting to seek advice regarding development applications.	SOILCO presented a project summary at SRRC Workshop. The project was well received. SRRC have endorsed the development in the Bromelton SDA. They have also given approval for the construction of Mitchell Road to access the development site.
Ongoing discussions since late 2023	Department of Transport and Main Roads (TMR)	SOILCO – Jason Gaff ACS Engineers – Nicholas Falvey (*Senior Designer*), Angela Harlen, Susan Shay	Meeting - Overview of the project Discussion regarding Mitchell Road intersection.	Several meetings have been held to discuss safe access to the SOILCO site from Beaudesert Boonah Road. The application for approval is currently under review by the TMR South Coast Team.
05/06/2024	Office of the Coordinator General (OCG) and Department of Environment, Science and Innovation (DESI)	OCG – Amanda Koenig, Marcus Peck, Rachael Leeson SOILCO – Jason Gaff, Duncan Le Good (*Executive General Manager, Products, Sales and Innovation*), Roslyn Florie-George (*Executive General Manager, Business Growth and Sustainability*), Dave Schumacher *(General Manager, Quality, Environment and Planning)* ACS Engineers – Susan Shay, Angela Harlen GHD – Sarah Wilson, Adrienne Harvey, Prasanna Wijesinghe DESI – Madeleine Lewis, Jasmine Corica, Scott Blanchard	Meeting – Pre-lodgement meeting to seek advice regarding development applications.	A pre-referral meeting was held with the OCG to discuss the following: - Project Overview. - Approvals process. - Technical reports/matters. - Water and groundwater. - Waste receivals. - Odour. - Program timeline. - Koala mapping. - Next steps.

Date	Stakeholder/s	Project Team Involved	Engagement Purpose/Method	Notes
14/06/2024	DESI	GHD - Lauren Rolfe	Email Meeting – Pre-lodgement advice regarding development applications.	The following information was sent to DESI by email: - Leachate management. - Facility design. - Odour Assessment. - GHG Emissions.
01/07/2024	Department of Agriculture and Fisheries		Email Meeting – Pre-lodgement advice regarding development applications.	The following information was sent to DAF by email: - Brief overview of the project. - A map with the two low risk waterways traversing the facility location. - A request to declassify the mentioned waterways, based on the aquatic assessment report. - A question regarding the setback distances the compost facility should have from existing moderate risk waterways.
01/07/2024	Department of Regional Development and Water (Water Services) (DRDMW)		Email Meeting – Pre-lodgement advice regarding progress of the SDA MCU development application.	The following information was sent to DRDMW by email: - Brief overview of the project. - A map with the facility location. - A request for unmapped water features to be classified as drainage features, based on the aquatic assessment report. - A query regarding the need of a water licence or an approval under the Water Plan (Logan Basin) 2007 to construct a freshwater dam with overflow spillway to store uncontaminated water run-off on the site.
04/07/2024	Seqwater	Seqwater – Leah Snerling, Medina Handley GHD – Sarah Wilson, Prasanna Wijesinghe, Rod Towner SOILCO – Jason Gaff, David Schumacher ACS Engineers - Angela Harlen, Susan Shay	Meeting – Pre-lodgement advice regarding progress of the SDA MCU development application.	A pre-lodgement meeting was held with the Seqwater team for the Bromelton SDA to discuss the following: - Stormwater quality and potential impact on receiving waters to Seqwater's treatment plants. - How SOILCO intends to address the critical performance outcomes in the Seqwater Development Guidelines for the Project. - Whether any additional technical studies were required other than those identified in the soil presentation.

Date	Stakeholder/s	Project Team Involved	Engagement Purpose/Method	Notes
				- Whether Seqwater has any concerns about the design that is being proposed for the facility. - Any other documents/policies that will need to be considered for the project.
26/10/2023	Local Community	SOILCO – Duncan Le Good, Joel Coulton *(Business Manager, Industry & Government)*	Meeting Newspaper article	In October 2023, SOILCO became members of the Beaudesert Chamber of Commerce. SOILCO presented the project to the Beaudesert Chamber of Commerce on the 26/10/23 to share with the community the goals of the compost manufacturing facility. A newspaper article was published in the Beaudesert Bulletin, detailing this presentation. The benefits to the environment and the community were explained, including how this project will: - Reduce the amount of waste sent to landfill - Generate compost for agricultural use, and - Create local job opportunities.
Quarterly from 03/2023	Neighbouring Landholders			In March 2023, SOILCO became members of the Bromelton Business Group. All Bromelton SDA landholders are members of the Bromelton Business Group – this includes SOILCO. The Bromelton Business Group meet quarterly to discuss topics concerning the Bromelton SDA, which has allowed SOILCO to make surrounding businesses and neighbouring landholders aware of the proposed CMF. *The location of neighbouring landowners is shown in Figure 3 and Table 2 below.*
26/06/2024	DESI, Neighbouring Landholders	SOILCO – Joel Coulton	Open day	An open day was held at the Stott's Creek Organics Processing Facility in Tweed Heads, NSW. An informative 2-hour tour was given of the site and its operations.

Date	Stakeholder/s	Project Team Involved	Engagement Purpose/Method	Notes
Stakeholder/Community Engagement still to be undertaken				
TBC	Traditional Owners			SOILCO has engaged Redleaf Group to undertake Cultural Heritage assessments and assist with engaging with indigenous leaders and custodial landowners of the project site.
	Local Community			Regular engagement with the local community is intended to be maintained as the project progresses, through communication actions such as: - Regular social media posts. - Advertisement and advertorials in local Scenic Rim media outlets. - Onsite community field day at the Bromelton site.
	OCG, SRRC & DESI			Following the success of the open facility at Stott's Creek, SOILCO will host an open field day at the Bromelton CMF for all stakeholders to view the facility and its operation. Future open facility days at Stotts Creek are also planned.

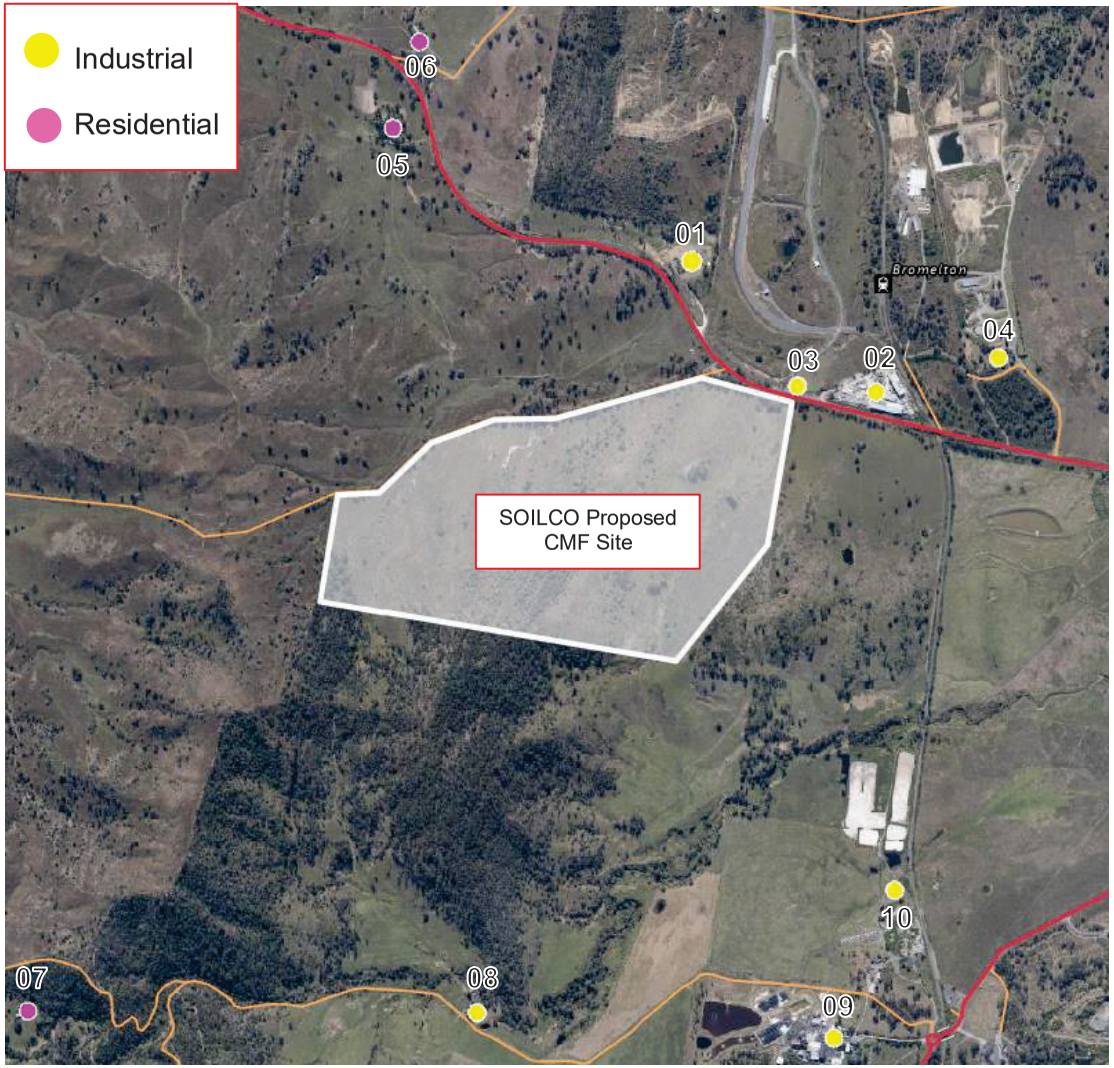


Figure 3: Location of Neighbouring Landowners (within 2km of SOILCO Bromelton CMF).

Table 2: Neighbouring Landholders

ID	Receptor Type	Address	Distance from Project
01	Industrial	Beaudesert Saleyards 2563 Beaudesert Boonah Road	863m Northeast
02	Industrial	Quickcell Technology Products Pty Ltd Lot 3 Beaudesert Boonah Road	1150m Northeast
03	Industrial	SCT Logistics 2603 Beaudesert Boonah Road	1000m Northeast
04	Industrial	SRRC Waste Facility Waste Facility Road	1700m Northeast
05	Residential	2572 Beaudesert Boonah Boonah Road	1100m Northwest
06	Residential	15 Tilley Road	1466m North
07	Residential	388 Swan Gully Road	2000m Southwest
08	Industrial	194 Swan Gully Road	1400m South
09	Industrial	Bush's Proteins QLD (A J Bush & Sons) 358 Sandy Creek Road	1800m Southeast
10	Industrial	28 Swan Gully Road	1700m Southeast

2.3 Concerns and Issues

All concerns or issues raised by stakeholders during consultation are contained in table 3 below. This table is intended to be a live document which will be amended and added to as stakeholder feedback is received by SOILCO over the course of the project.

Table 3: Stakeholder Concerns and Issues

Contributor	Concern	Comments	Way forward

2.4 Next Steps

Stakeholder engagement is a process that will be continually undertaken throughout the approval, construction and operation of the Bromelton CMF.

During the approval stage, further community engagement and liaison with relevant statutory bodies is anticipated. Engagement with the following stakeholders is planned or intended, as mentioned in Table 1:

- Traditional Owners – walk on country or similar meeting.
- Local Community – further and continual engagement through distribution of information brochures, and social media/other online media updates.
- OCG & SRRC – through an onsite open field day.

During the construction of the CMF, stakeholder engagement, particularly with surrounding landholders, is important to ensure construction activities are not disruptive or cause any actionable nuisances.

Once the CMF is operational, regular and ongoing engagement with the local community and neighbouring landholders will be necessary to ensure the development is still meeting community expectations.

SOILCO is proactively facilitating engagement through its membership in the local Beaudesert Chamber of Commerce and Bromelton Business Group. Additionally, SOILCO will be active members of the wider community and plans to invest and sponsor local events and clubs in the future.

Any issues or concerns raised will be received and a Response to Submission Report will be prepared by SOILCO and documented in Table 3 as part of the Stakeholder Engagement Plan.

Regular monitoring, reviewing and adaptation of the community stakeholder engagement plan will ensure it remains effective and encourages community participation.