

1. CONTRACT DOCUMENTATION
ALL DRAWINGS UNDER THIS CONTRACT ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION.
2. SURVEY INFORMATION
CONTROL SURVEY INFORMATION WILL BE ESTABLISHED ON SITE BY THE PRINCIPAL'S SURVEYOR. SETOUT INFORMATION SHALL NOT BE OBTAINED BY SCALING FROM THESE DRAWINGS.
3. DATUM
ALL LEVELS SHOWN ON DRAWINGS ARE A.H.D. (DERIVED).
4. EXISTING SURVEY CONTROL STATIONS
THE CONTRACTOR IS TO ENSURE THAT SURVEY CONTROL STATIONS ARE NOT DAMAGED OR DISTURBED IN ANY WAY BY CONSTRUCTION ACTIVITIES.
5. EXISTING SERVICES
EXISTING SERVICES LOCATIONS WHERE SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL CONTACT THE RELEVANT AUTHORITIES TO ASCERTAIN THE EXACT LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING SERVICES.
6. SITE ACCESS
THE CONTRACTOR SHALL GAIN ACCESS TO THE SITE AT LOCATIONS APPROVED BY THE SUPERINTENDENT. FREEDOM OF ACCESS TO OTHER WORK AREAS ON THE SITE SHALL BE MAINTAINED AT ALL TIMES.
7. PROVISION FOR TRAFFIC
PROVISION FOR TRAFFIC ON LOCAL ROADS IS TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL AUTHORITY REQUIREMENTS.
8. WORK BOUNDARIES
THE CONTRACTOR IS TO RESTRICT ACTIVITIES TO THOSE AREAS DESIGNATED AS WORK AREAS UNDER THIS CONTRACT. AT NO TIME SHALL THE CONTRACTOR ENTER ADJOINING PROPERTIES OR CONTRACT WORK AREAS ON THE SITE WITHOUT WRITTEN AUTHORISATION FROM THE SUPERINTENDENT.
9. SITE CLEARING
CLEARING AND GRUBBING SHALL BE CARRIED OUT TO ALL WORK AREAS AS SPECIFIED AND SHALL INCLUDE THE REMOVAL OF ALL EXISTING VEGETATION, TIMBER, FENCES AND ANY OTHER DEBRIS.
10. TOPSOIL STRIPPING
ALL TOPSOIL STRIPPED FROM WORK AREAS IS TO BE REMOVED FROM SITE.
11. EARTHWORKS (GENERAL)
ALL FILL MATERIAL PLACED SHALL BE COMPACTED AND TRIMMED TO FINAL EARTHWORKS LEVELS AND PROFILES SHOWN ON THE CONTRACT DRAWINGS AND TESTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
12. COMPACTION STANDARDS
ALL FILL MATERIAL PLACED UNDER THIS CONTRACT SHALL BE COMPACTED IN ACCORDANCE WITH SOIL SURVEYS GEOTECHNICAL INVESTIGATION 1-26314BR VER1 DATED APRIL 2023, THE GOLD COAST CITY COUNCIL STANDARD SPECIFICATION.
13. TESTING
ALL TESTING SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. TESTING AUTHORITY IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
14. AS CONSTRUCTED" SURVEY "
AS CONSTRUCTED" SURVEY SHALL BE CARRIED OUT AS WORK PROCEEDS.
15. MAINTENANCE OF SITE CONDITION
AT THE COMPLETION OF WORKS THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND GOLD COAST CITY COUNCIL.
16. VERGE & BATTER TREATMENT
ALL VERGES & BATTERS ARE TO HAVE 100mm TOPSOIL AND STABILISED WITH HYDROMULCH (GRASS MIX) OR ECO BLANKET.

SLOPE	TREATMENT
1:6 - 1:3	HYDROMULCH - GRASS MIX
> 1:3	ECO BLANKET - GRASS MIX

[illegible]

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

BUSHFIRE HAZARD AREA

NOTES:

1. REFER 30034146-000-110 FOR GENERAL NOTES.



SDA approval: AP2024/011

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate **only** and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
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www.1100.com.au

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFT	DESIGN	WVR No.	STATUS	CLIENT		PROJECT NAME			DRAWING TITLE			
01	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002	SUBJECT TO APPROVAL	 an  company 0 25 50 100 Scale 1:2500 					PROPOSED DEVELOPMENT SOILCO PTY LTD BOONAH ROAD, BEAUDESERT SCENIC RIM REGIONAL COUNCIL		BUSH FIRE OVERLAY LAYOUT	
						APPROVED	RPEQ:		DATUM	SCALE	SIZE	PROJECT/DRAWING No		REVISION	
							DATE		AHD	AS SHOWN	A1	30034146-000-112		01	

LEGEND - EARTHWORKS PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	SITE BOUNDARY
	PROPOSED RETAINING WALL
	EXISTING WATERCOURSE

FLOOD HAZARD CATEGORY

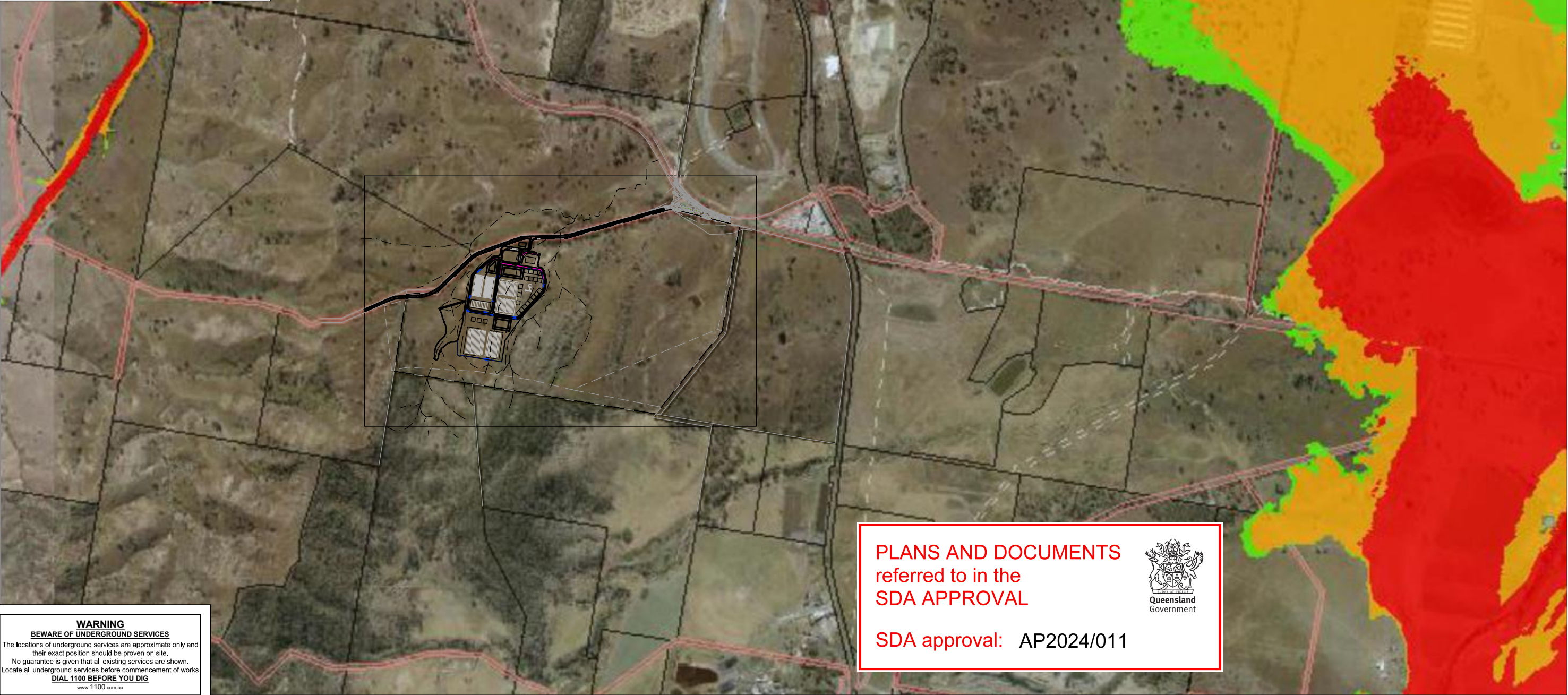
High

Medium

Low

NOTES:

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01	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002	SUBJECT TO APPROVAL	SOILCO	PROPOSED DEVELOPMENT SOILCO PTY LTD BOONAH ROAD, BEAUDESERT SCENIC RIM REGIONAL COUNCIL	FLOODING OVERLAY LAYOUT
						APPROVED		DATUM AHD	REVISION 01
						RPEQ:		SCALE AS SHOWN	
						DATE		SIZE A1	
								PROJECT/DRAWING No 30034146-000-113	

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0 100 200 400

Scale 1:10,000

N

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LEGEND - EARTHWORKS PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

---	SITE BOUNDARY
---	PROPOSED RETAINING WALL
---	EXISTING WATERCOURSE

CUT FILL DEPTHS

10	to	99999	m	0	to	-2	m
8	to	10	m	-2	to	-4	m
6	to	8	m	-4	to	-6	m
4	to	6	m	-6	to	-8	m
2	to	4	m	-8	to	-10	m
0	to	2	m	-10	to	-999	m

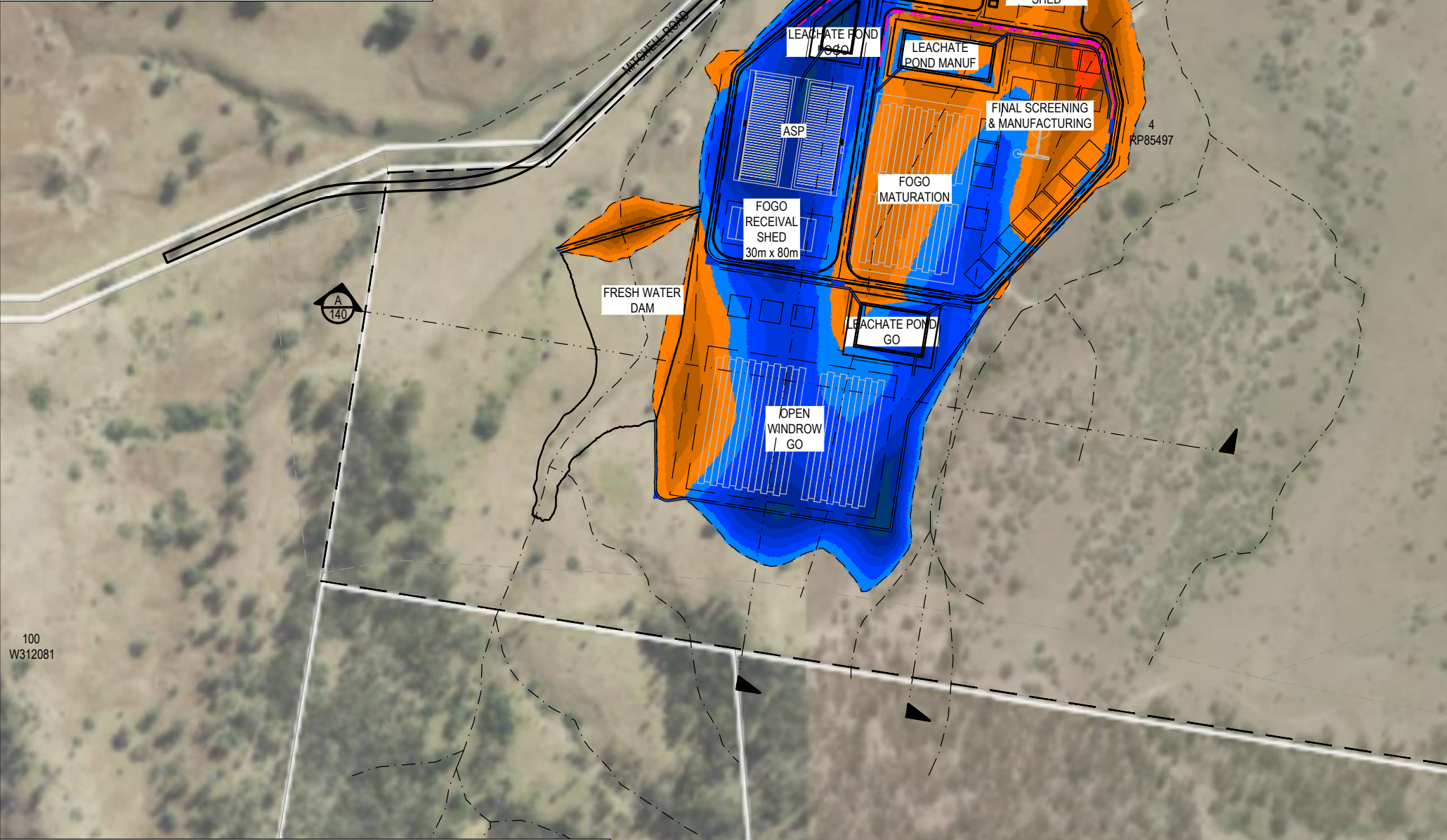
EARTHWORKS VOLUMES

TOTAL CUT VOLUMES (m³) = -459366.778
(BANK MEASURE)

TOTAL FILL VOLUMES (m³) = 199268.021
(BANK MEASURE)

TOTAL BALANCE VOLUMES (m³) = -260098.758
(BANK MEASURE)

NOTE: VOLUMES CALCULATED BETWEEN
EXISTING SURFACE AND FINAL SURFACE.



PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL

SDA approval: AP2024/011

NOTE:
THE PROPOSED DAM WILL BE DESIGNED WITH A SPILLWAY IF REQUIRED IN ACCORDANCE WITH THE
ACCEPTED DEVELOPMENT REQUIREMENTS FOR OPERATIONAL WORK THAT IS CONSTRUCTING OR
RAISING WATERWAY BARRIER
(1 OCTOBER 2018) S5.3 NEW DAMS AND WEIRS AND AS SHOWN IN FIGURES 22 AND 23.
EXACT SPILL WAY DESIGN WILL BE DEPENDENT ON THE FINAL DAM WALL HEIGHT AND LOCATION.

Figure 22 – Concept design elements for a spillway height less than 3 metres above waterway bed level

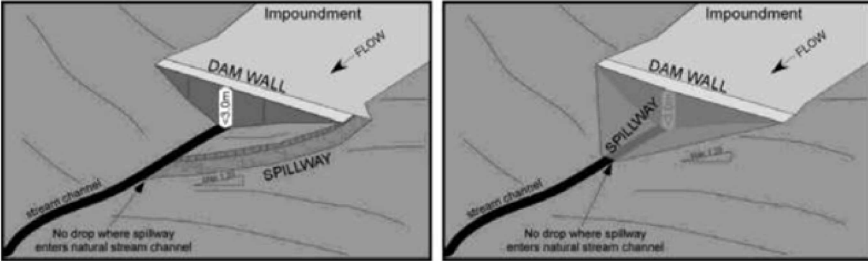
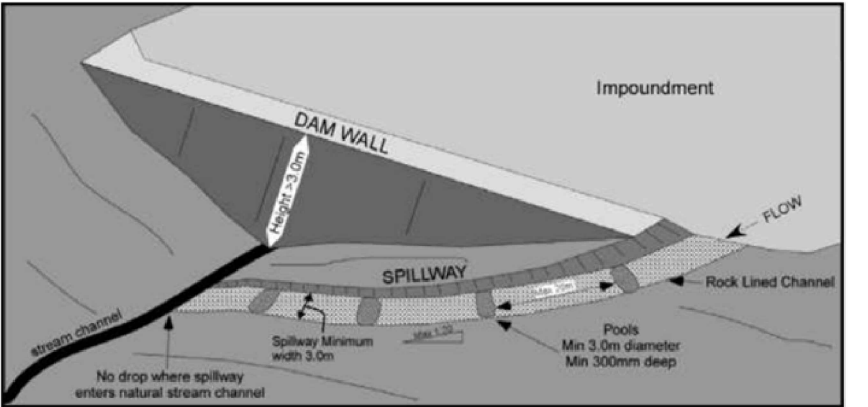


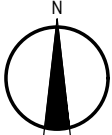
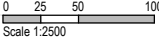
Figure 23 – Concept design where spillway height is greater than 3 metres above waterway bed level and on a maximum grade of 5% (option 1)



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NOTES:
1. REFER 30034146-000-110 FOR GENERAL NOTES.

SUBJECT TO APPROVAL



PROJECT NAME
PROPOSED DEVELOPMENT
SOILCO PTY LTD
BOONAH ROAD, BEAUDESERT
SCENIC RIM REGIONAL COUNCIL

DRAWING TITLE
BULK EARTHWORKS
OVERALL LAYOUT

DATUM
AHD

SCALE
AS SHOWN

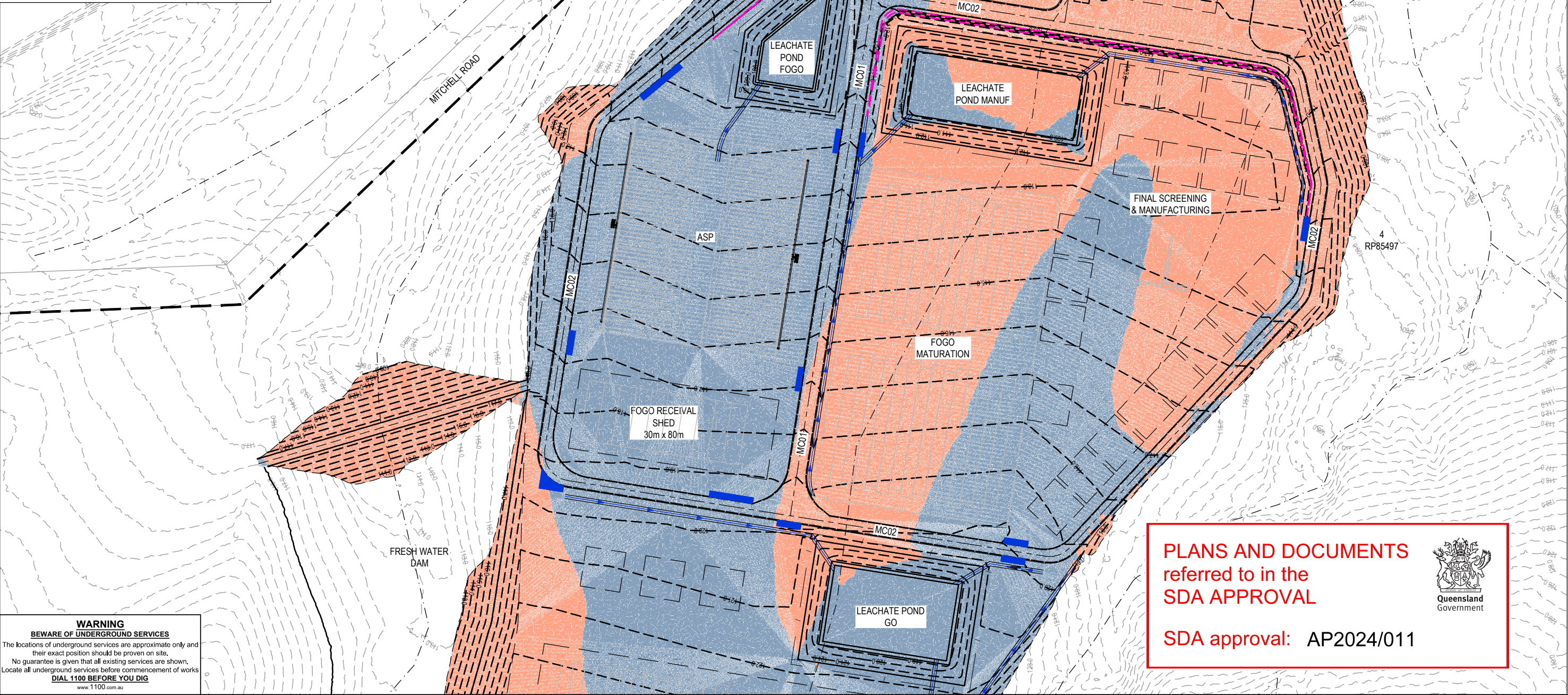
SIZE
A1

PROJECT/DRAWING No
30034146-000-120

REVISION
02

LEGEND - EARTHWORKS PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STAGE BOUNDARY
	PROPOSED RETAINING WALL
	MAJOR FINISHED SURFACE CONTOUR
	MINOR FINISHED SURFACE CONTOUR
	MAJOR EXISTING SURFACE CONTOUR
	MINOR EXISTING SURFACE CONTOUR
	CUT
	FILL
	EXISTING WATERCOURSE (25m BUFFER)

NOTES:
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PLANS AND DOCUMENTS referred to in the SDA APPROVAL

Queensland Government

SDA approval: AP2024/011

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01	06.08.2024	ISSUED FOR APPROVAL	KM	KM	0001	SUBJECT TO APPROVAL	an company	PROPOSED DEVELOPMENT SOILCO PTY LTD BOONAH ROAD, BEAUDESERT SCENIC RIM REGIONAL COUNCIL	BULK EARTHWORKS LAYOUT SHEET 1
02	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002				
						APPROVED		DATUM AHD	SCALE AS SHOWN
						RPEQ:		SIZE A1	REVISION 02
						DATE		PROJECT/DRAWING No 30034146-000-130	

FOR CONTINUATION REFER TO SHEET 2

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0 10 20 40
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FOR CONTINUATION REFER TO SHEET 1



PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL

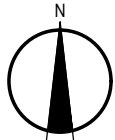


SDA approval: AP2024/011

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01	06.08.2024	ISSUED FOR APPROVAL	KM	KM	0001	SUBJECT TO APPROVAL
02	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002	
						APPROVED
						RPEQ:
						DATE



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CLIENT



PROJECT NAME

PROPOSED DEVELOPMENT
SOILCO PTY LTD
BOONAH ROAD, BEAUDESERT
SCENIC RIM REGIONAL COUNCIL

DATUM
AHD

SCALE
AS SHOWN

SIZE
A1

DRAWING TITLE

BULK EARTHWORKS
LAYOUT
SHEET 2

PROJECT/DRAWING No
30034146-000-131

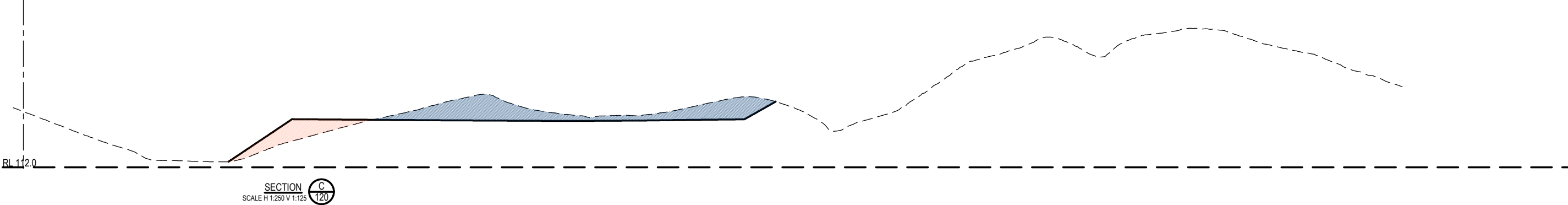
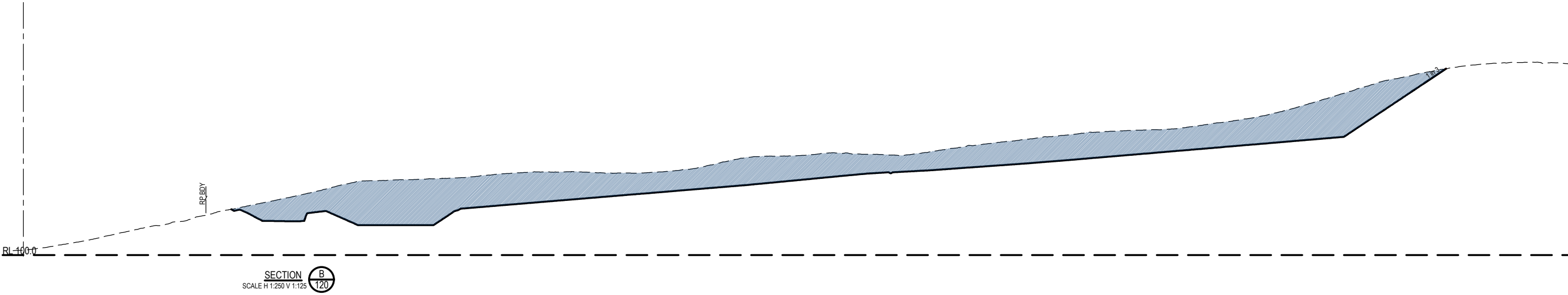
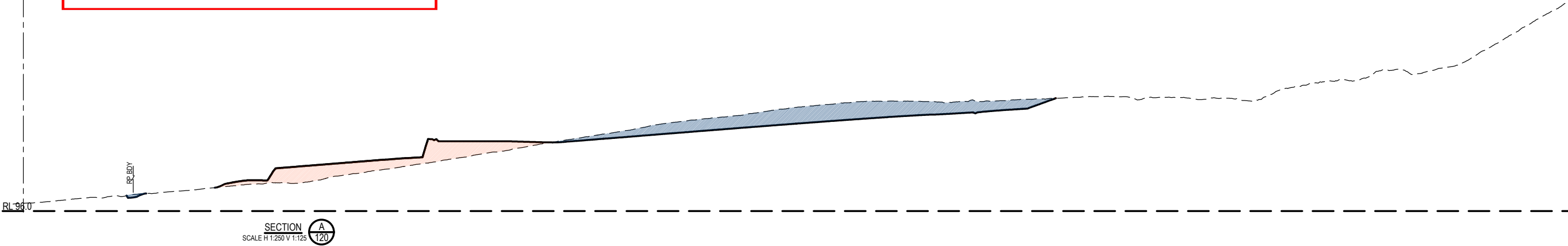
REVISION
02

PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL

SDA approval: AP2024/011



LEGEND - EARTHWORKS SECTIONS	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	CUT
	FILL
	EXISTING SURFACE
	FINISHED SURFACE
	PROPOSED RETAINING WALL (BY OTHERS, SUBJECT TO D&C PACKAGE)

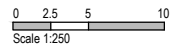


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02	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002	
						APPROVED
						RPEQ:
						DATE



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CLIENT



PROJECT NAME

PROPOSED DEVELOPMENT

SOILCO PTY LTD

BOONAH ROAD, BEAUDESERT

SCENIC RIM REGIONAL COUNCIL

DATUM

AHD

SCALE

AS SHOWN

SIZE

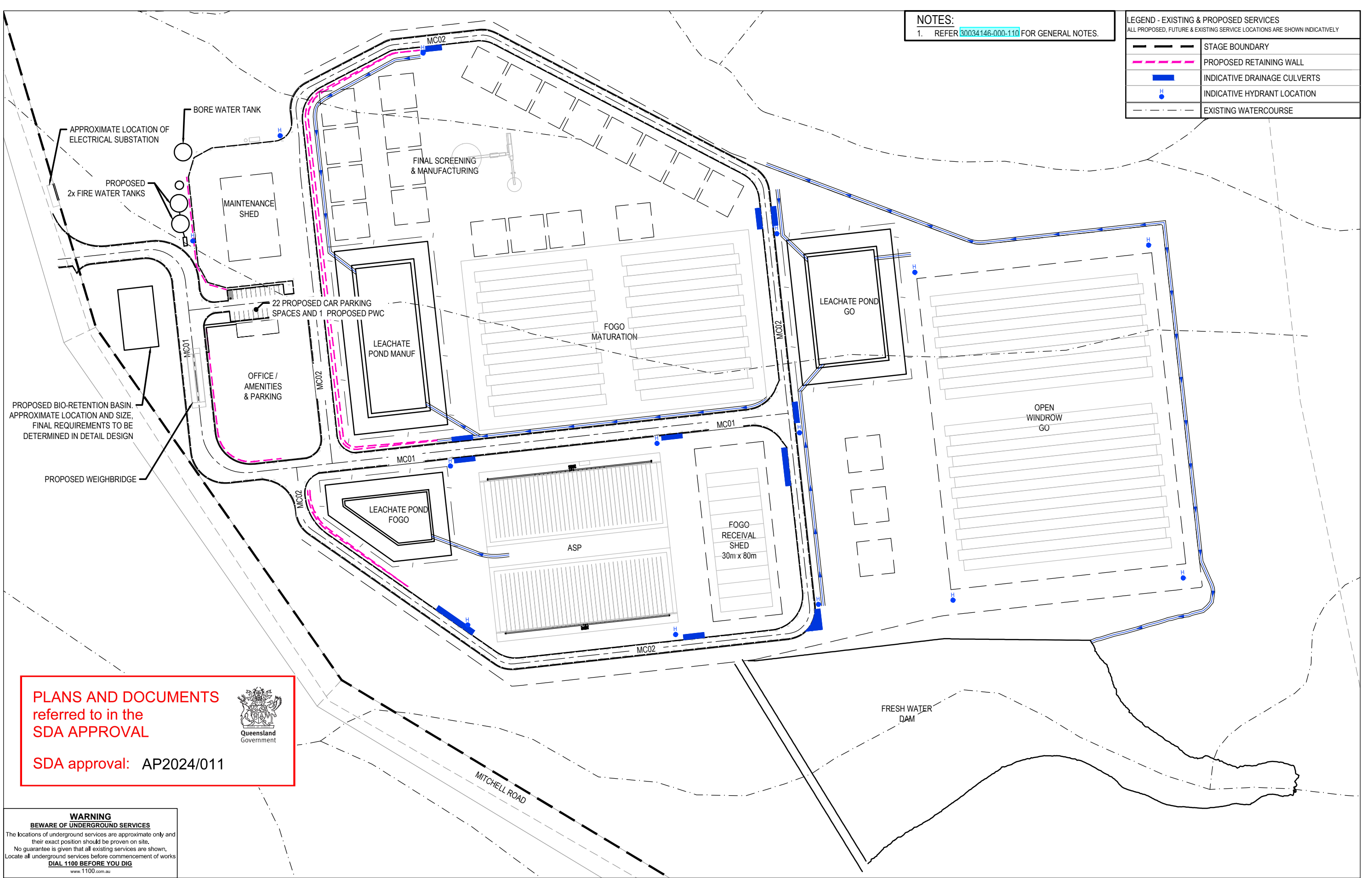
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PROJECT/DRAWING No

30034146-000-140

REVISION

02



NOTES:
1. REFER 30034146-000-110 FOR GENERAL NOTES.

LEGEND - EXISTING & PROPOSED SERVICES	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STAGE BOUNDARY
	PROPOSED RETAINING WALL
	INDICATIVE DRAINAGE CULVERTS
	INDICATIVE HYDRANT LOCATION
	EXISTING WATERCOURSE

PLANS AND DOCUMENTS referred to in the SDA APPROVAL

SDA approval: AP2024/011



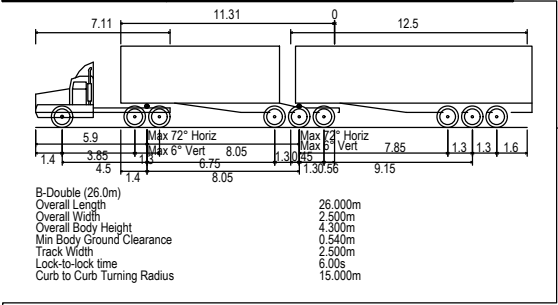
WARNING
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01	06.08.2024	ISSUED FOR APPROVAL	KM	KM	0001	SUBJECT TO APPROVAL APPROVED: _____ RPEQ: _____ DATE: _____	 an company © ABN 47 065 475 149	PROPOSED DEVELOPMENT SOILCO PTY LTD BOONAH ROAD, BEAUDESERT SCENIC RIM REGIONAL COUNCIL	SERVICES LAYOUT
02	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002				
								DATUM AHD	SCALE AS SHOWN
								SIZE A1	REVISION 02

LEGEND

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STAGE BOUNDARY
	PROPOSED RETAINING WALL
	INDICATIVE DRAINAGE CULVERTS
	EXISTING WATERCOURSE



NOTES:

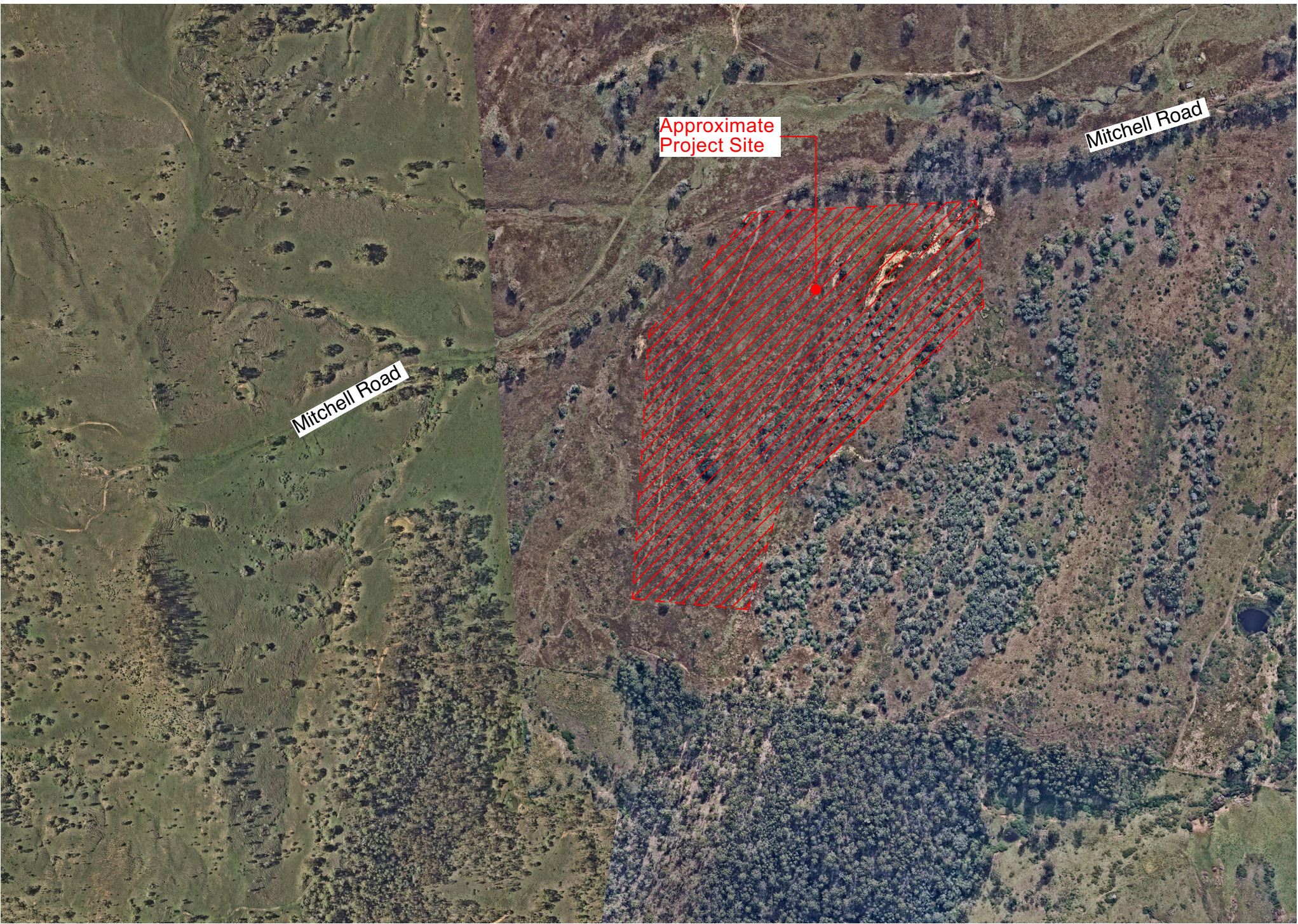
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01	06.08.2024	ISSUED FOR APPROVAL	KM	KM	0001	SUBJECT TO APPROVAL	 an company © ABN 47 065 475 149	SOILCO 	PROPOSED DEVELOPMENT SOILCO PTY LTD BOONAH ROAD, BEAUDESERT SCENIC RIM REGIONAL COUNCIL
02	07.08.2024	ISSUED FOR APPROVAL	KM	MH	0002				
						APPROVED			
						RPEQ:			
						DATE			
								DATUM AHD	SCALE AS SHOWN
								SIZE A1	REVISION 02
								PROJECT/DRAWING No 30034146-000-610	

BROMELTON COMPOST MANUFACTURING FACILITY

Lot 4 Mitchell Road Bromelton QLD



DEVELOPMENT INFO

Local Authority:	Scenic Rim Regional Council
Real Property Discription:	Lot 4 RP85497
GFA	
Office and Amenities	243.1 m ²
Maintenance + Storage Shed	1,200 m ²
FOGO Receival + Sort Shed	2,412.6 m ²
TOTAL	3,855.7 m ²
OTHER	
FOGO Maturation	16,317 m ²
Open Windrow GO	24,480 m ²
Hardstand	67,046 m ²
Landscaping Area	8,209.8 m ²
Carparks Provided	23 (inc. PWD)

DRAWING LIST - DA

Drawing No.	Sheet Name	Revision ID
00.01	Context & Locality Plans	B
01.02	Proposed Site Plan	A
03.01	Floor Plan - Ground - Office & Amenities	A
03.02	Floor Plan - Ground - Maintenance & Storage Shed	A
03.03	Floor Plan - Ground - FOGO Receival & Sort Shed	A
04.01	Roof - Office & Amenities	B
04.02	Roof - Maintenance & Storage Shed	B
04.03	Roof - FOGO Receival & Sort Shed	B
09.01	Elevations & Sections - Office & Amenities	A
09.02	Elevations - Maintenance & Storage Shed	A
09.03	Elevations - FOGO Receival & Sort Shed	B
22.01	3D Views 1	A
22.02	3D Views 2	A
22.03	3D Views 3	A
22.04	3D Views 4	A

Locality Plan (nts)



View of Amenities/ Office

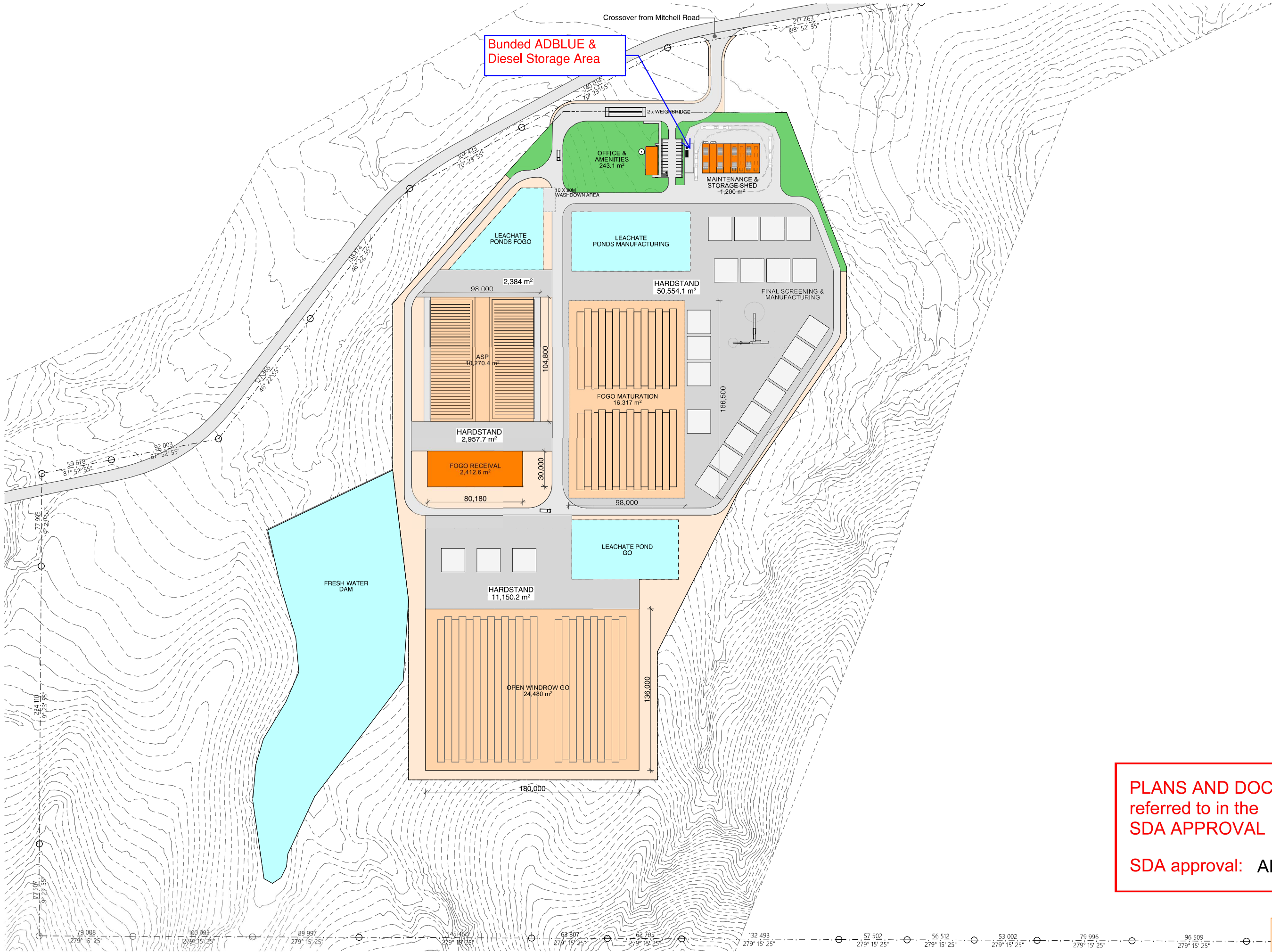
PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL



SDA approval: AP2024/011

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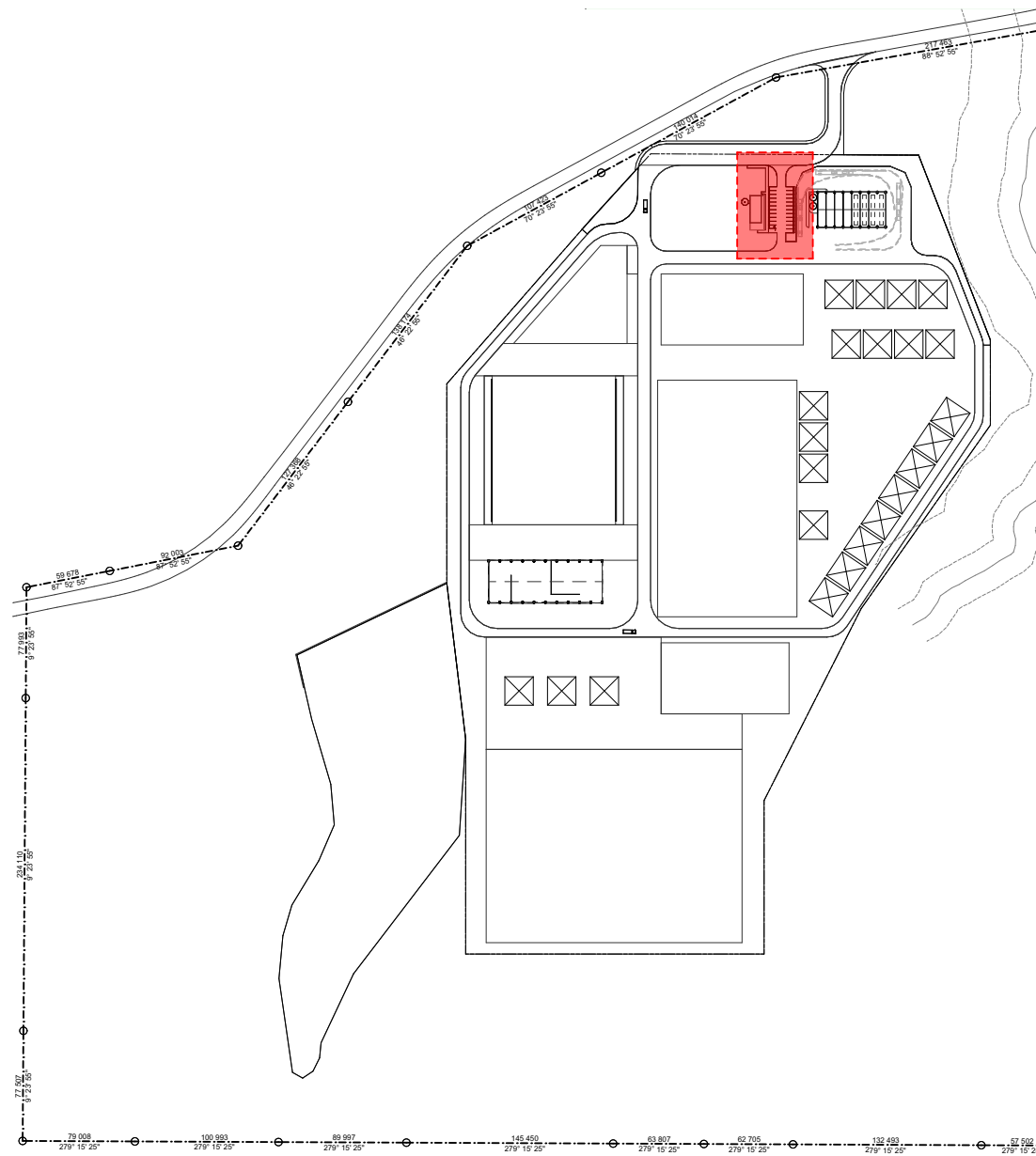
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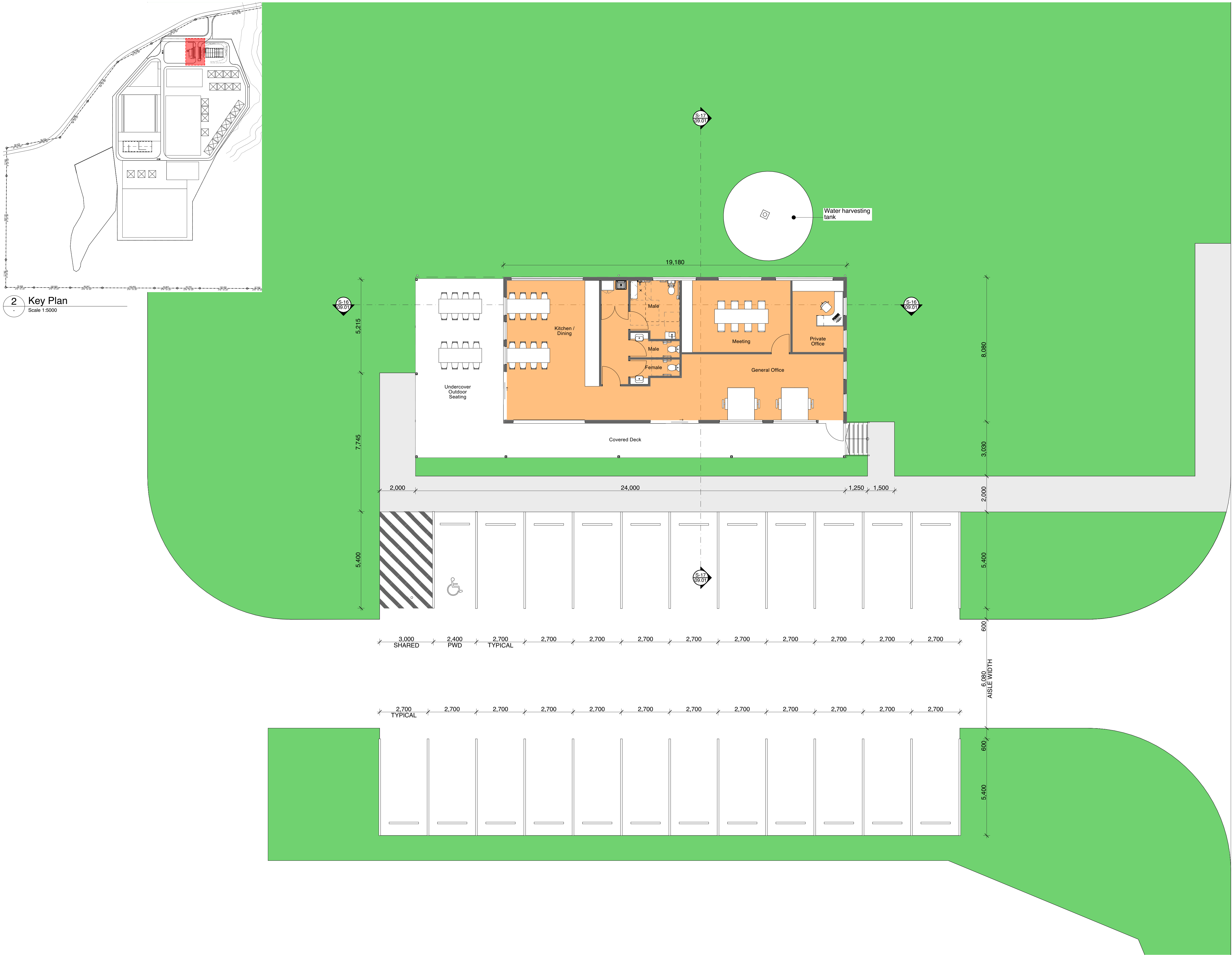




2 Key Plan
Scale 1:5000

LEGEND

DP Downpipe
SC Structural Column

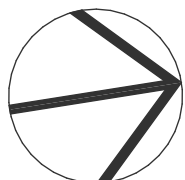


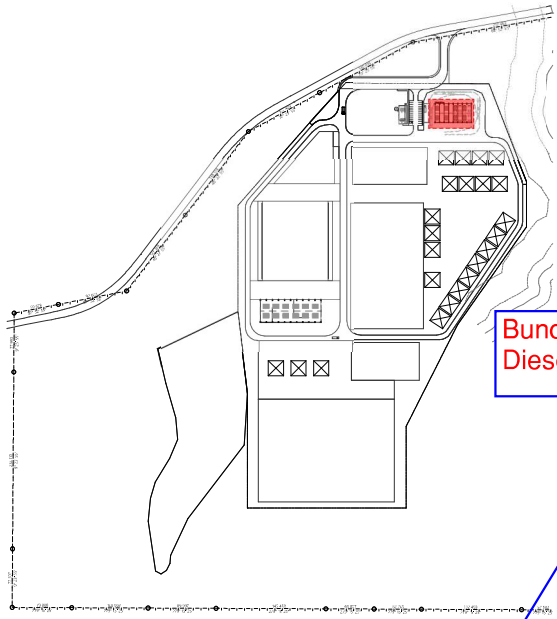
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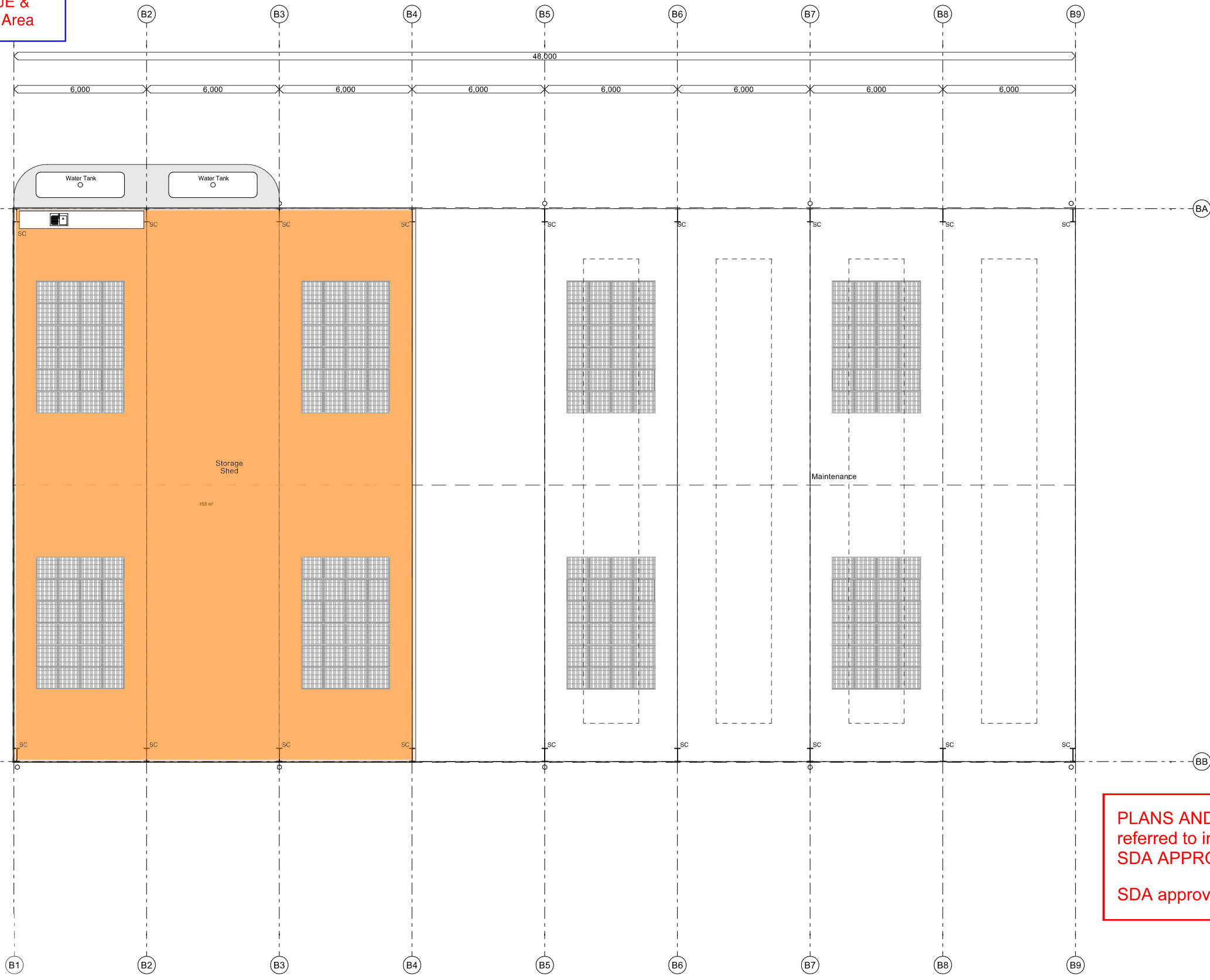
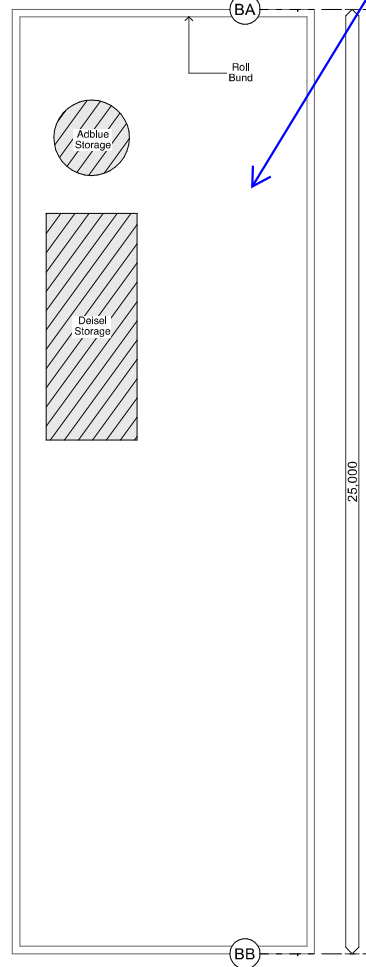
DA
NOT FOR CONSTRUCTION





Bunded ADBLUE & Diesel Storage Area

2 Key Plan
Scale 1:5000



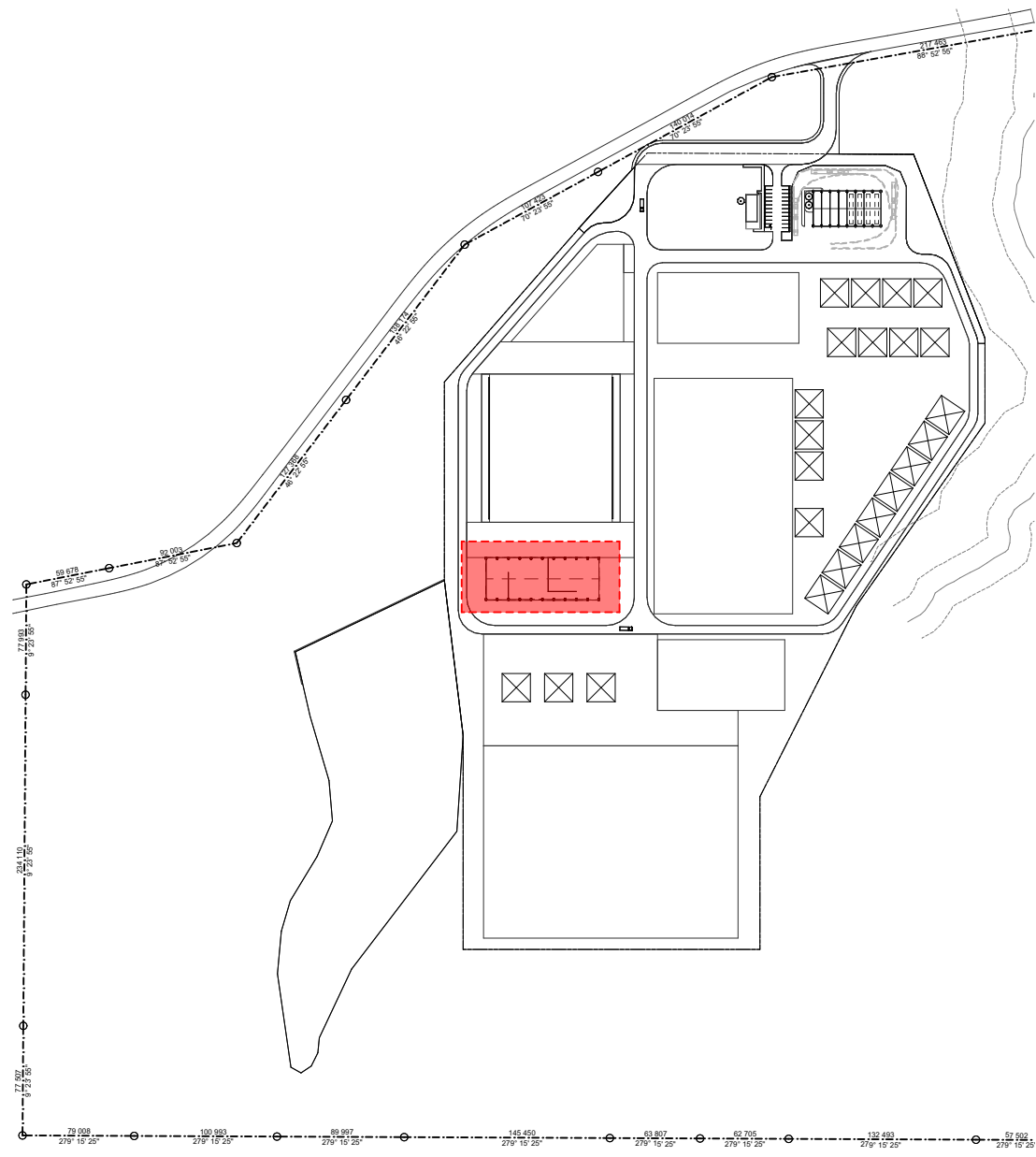
LEGEND
DP Downpipe
SC Structural Column

PLANS AND DOCUMENTS referred to in the SDA APPROVAL
SDA approval: AP2024/011



DA
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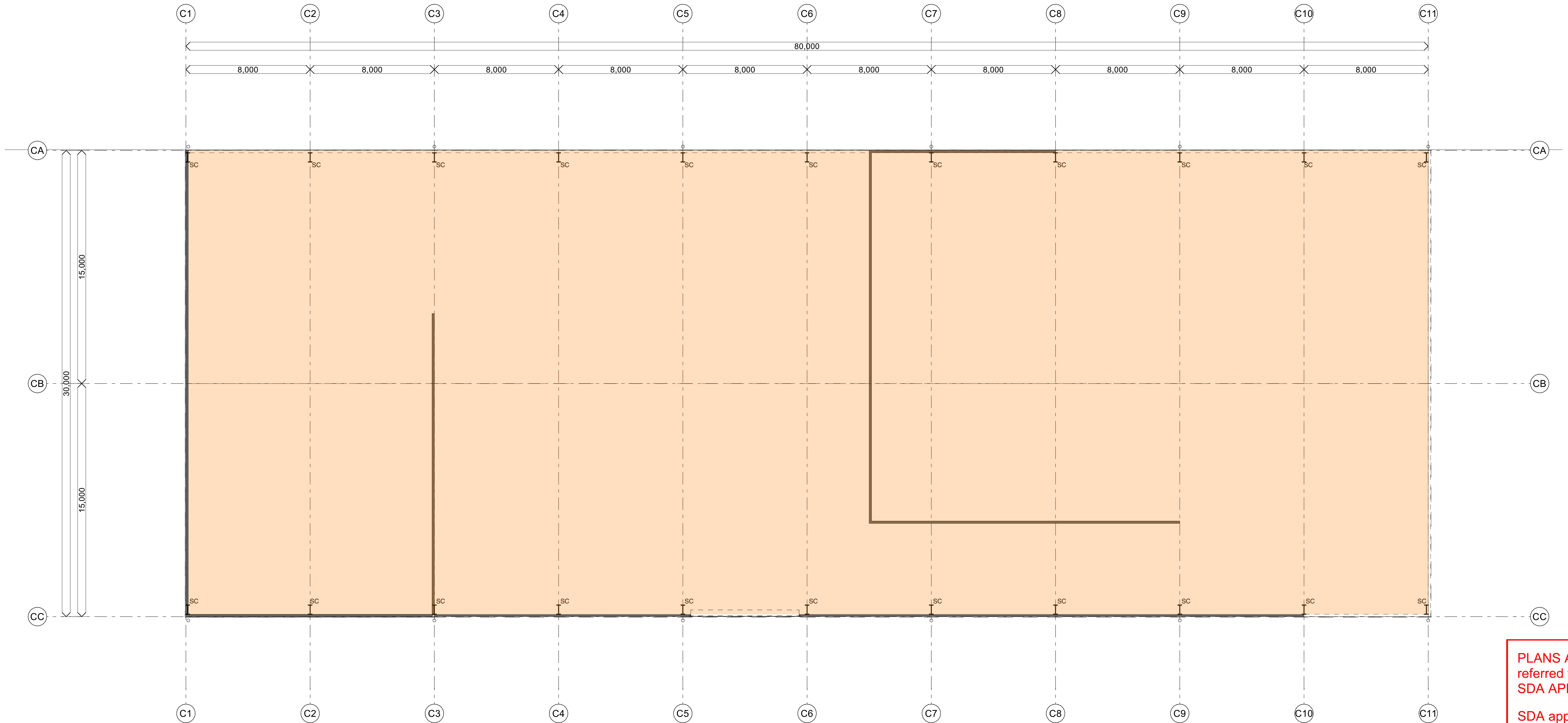




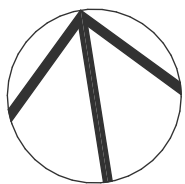
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Scale 1:5000

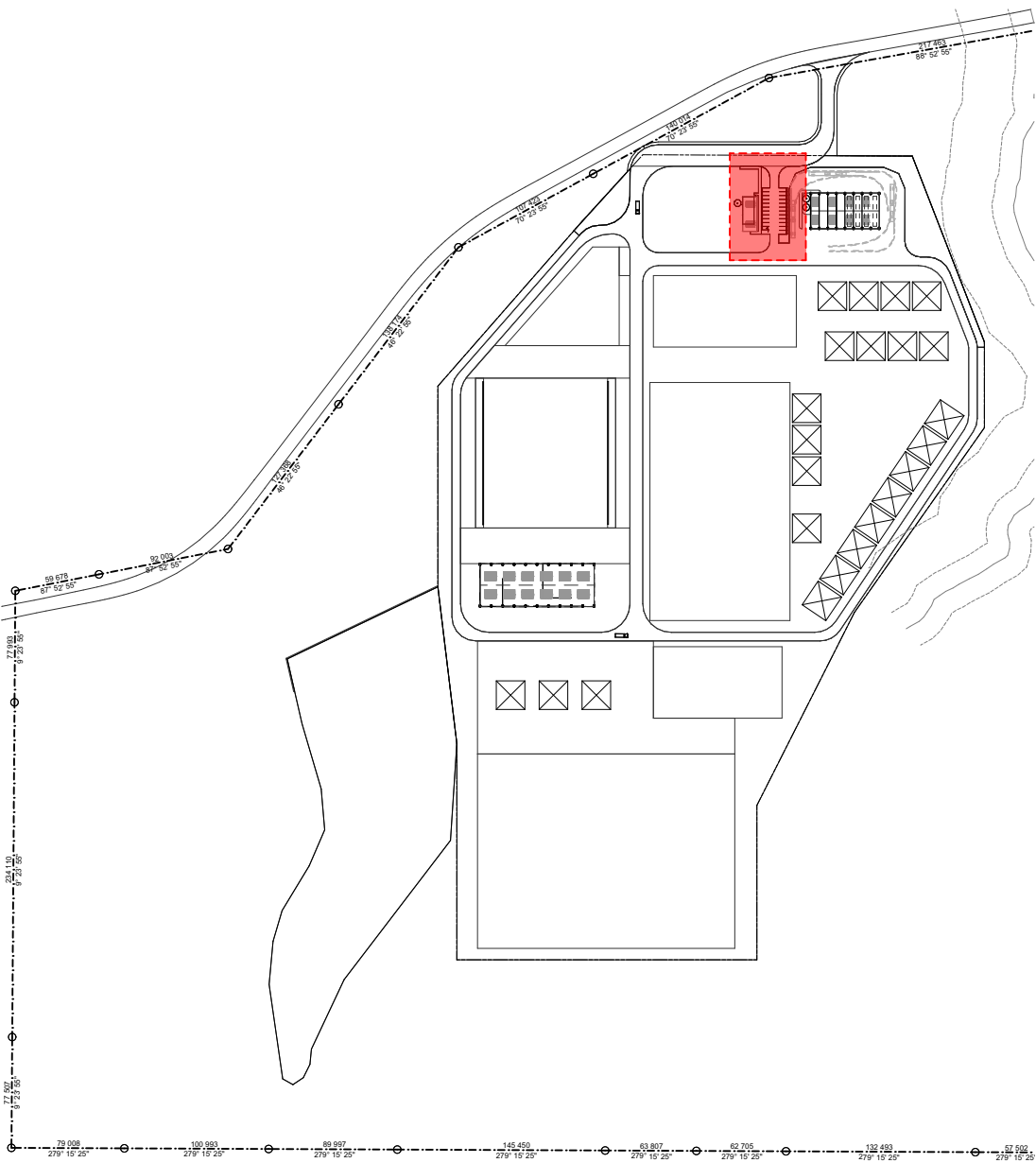
LEGEND

DP Downpipe
SC Structural Column

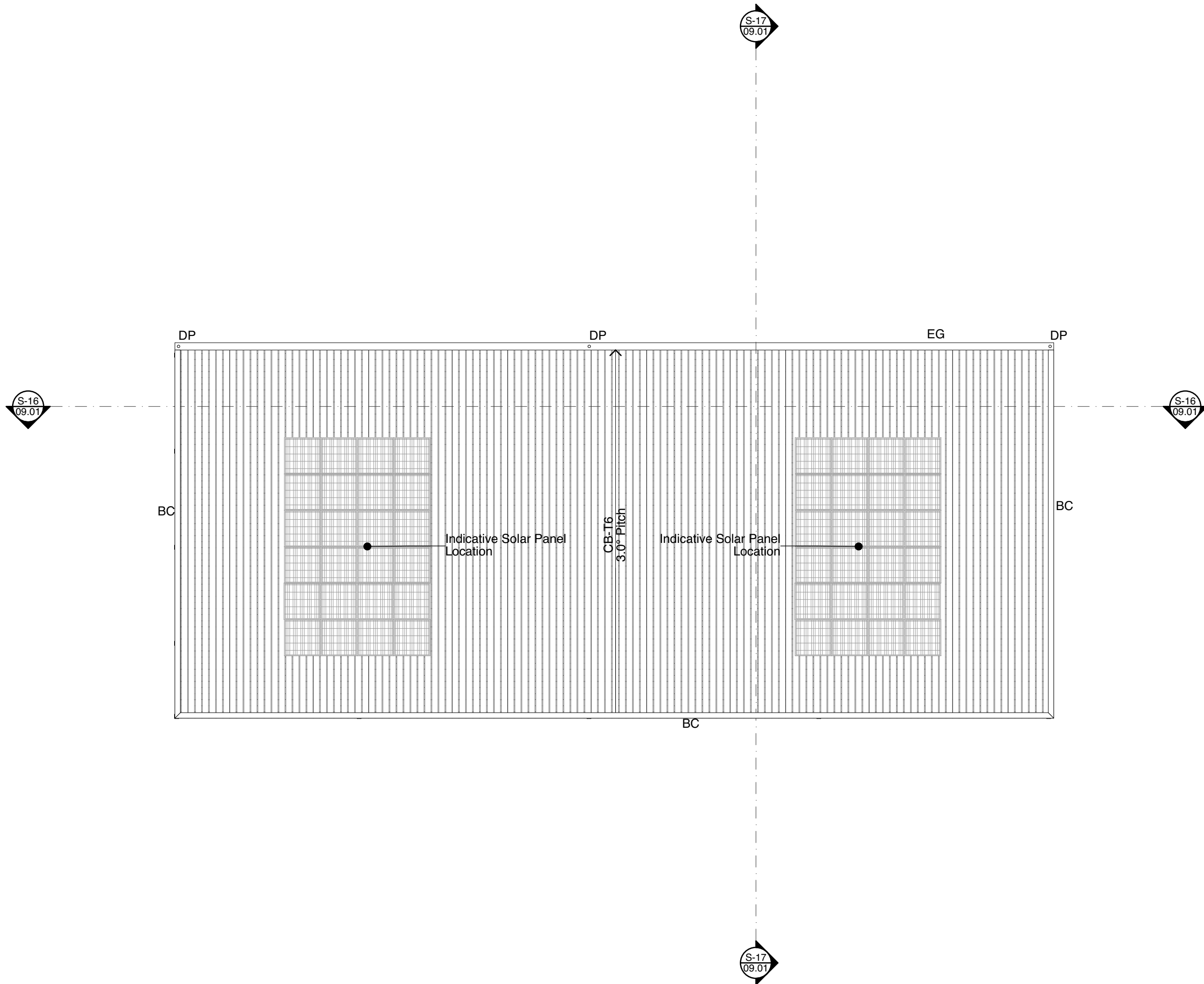


DA
NOT FOR CONSTRUCTION





2 Key Plan
Scale 1:5000



LEGEND

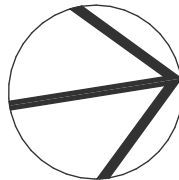
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DP Downpipe
EG Eaves Gutter
MRS Metal Roof Sheet
CB-T6 Colorbond Trimdek
RC Ridge Capping

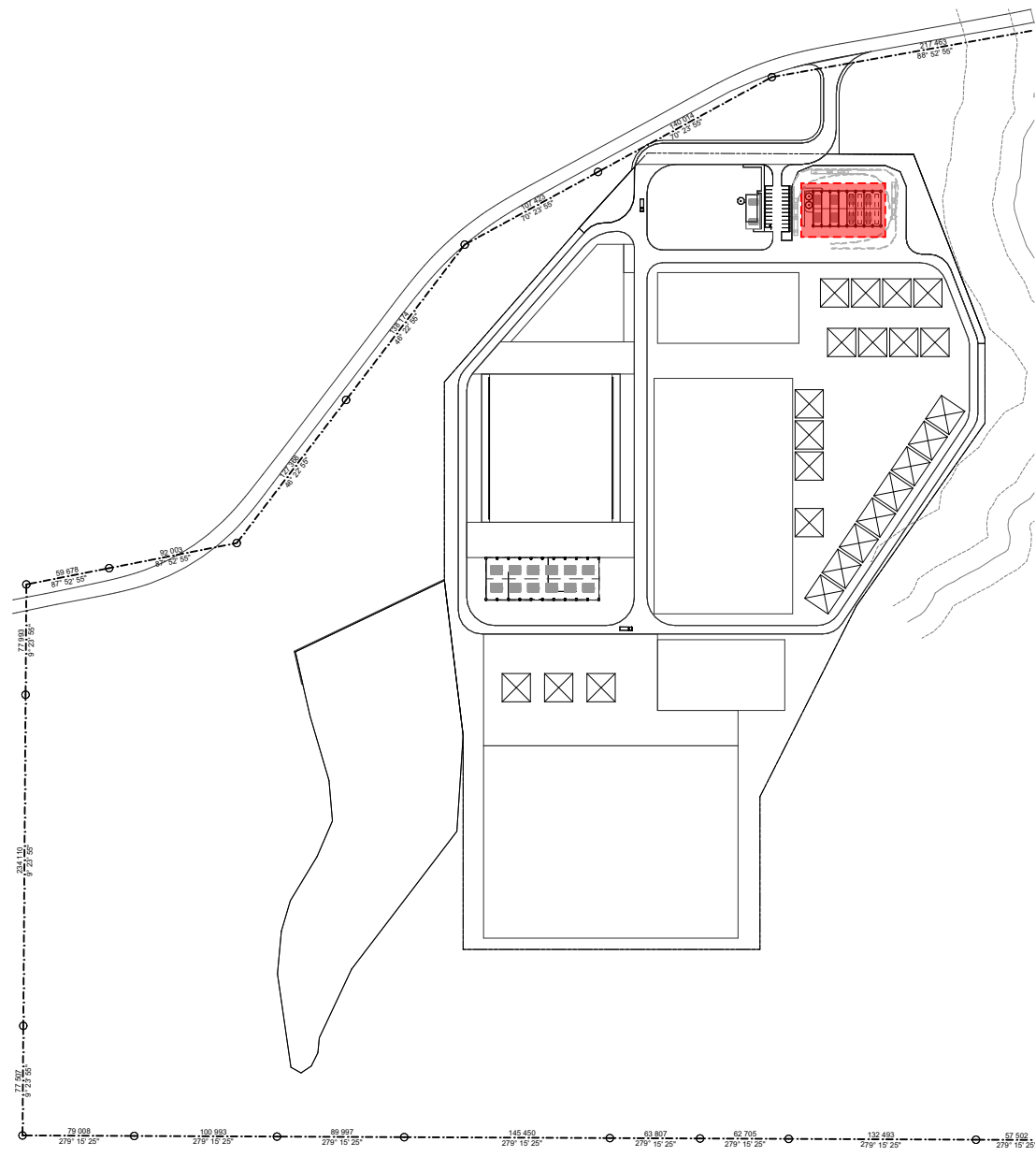
PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL



SDA approval: AP2024/011

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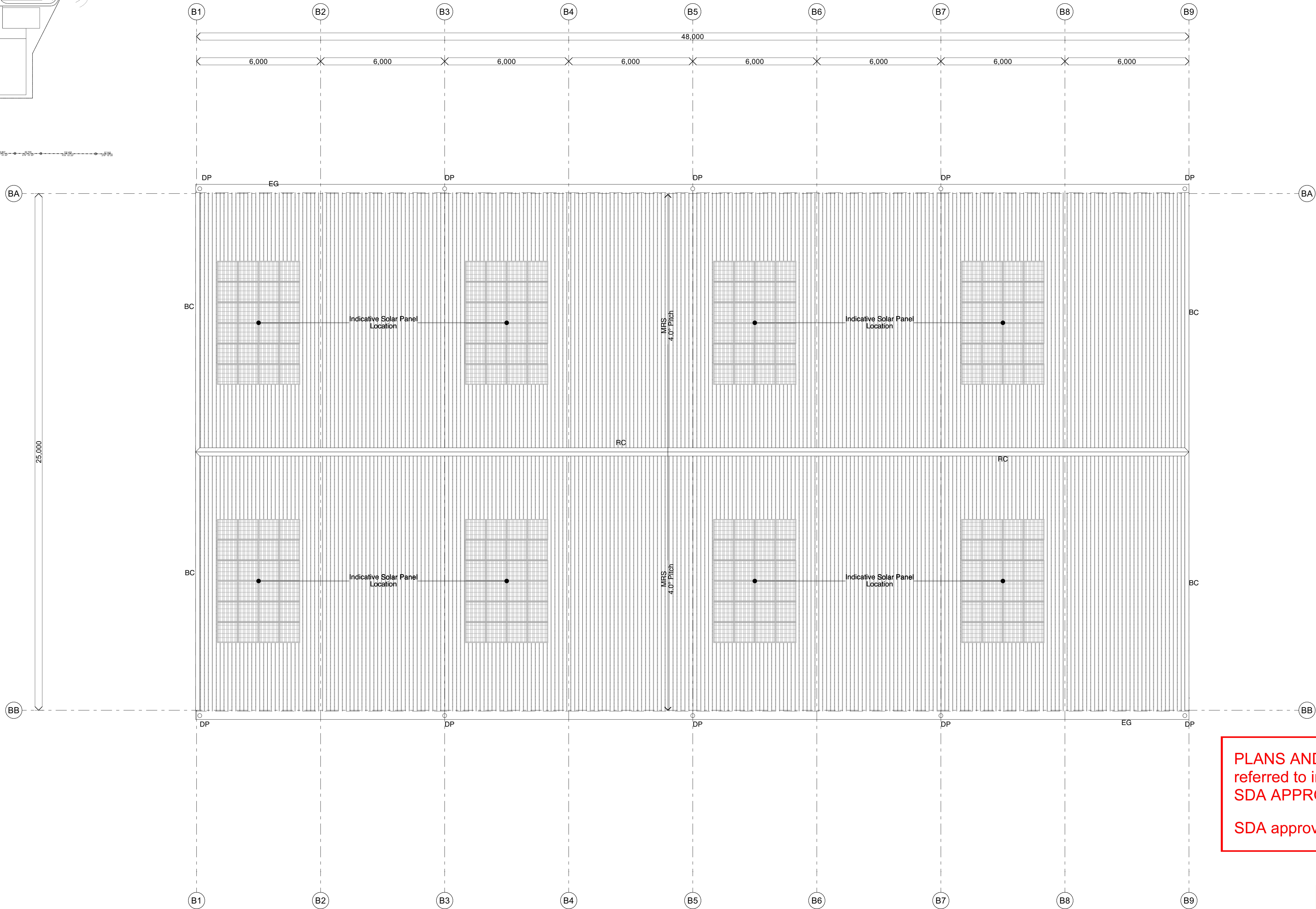




2 Key Plan
Scale 1:5000

LEGEND

- BC Barge Capping
DP Downpipe
EG Eaves Gutter
MRS Metal Roof Sheetting
Colorbond Trimdek
RC Ridge Capping

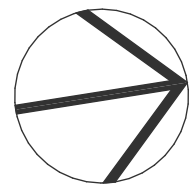


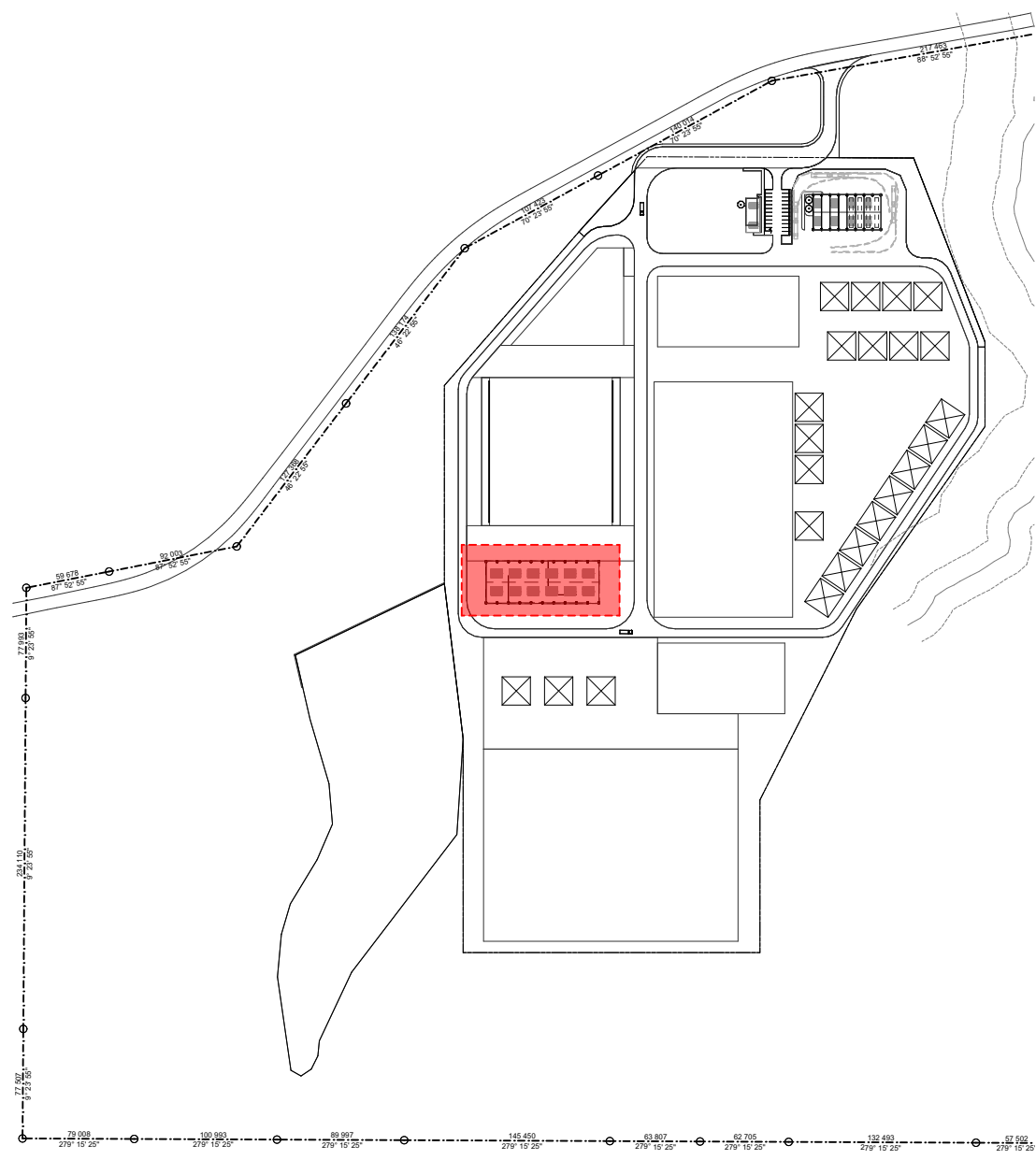
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SDA approval: AP2024/011

DA
NOT FOR CONSTRUCTION

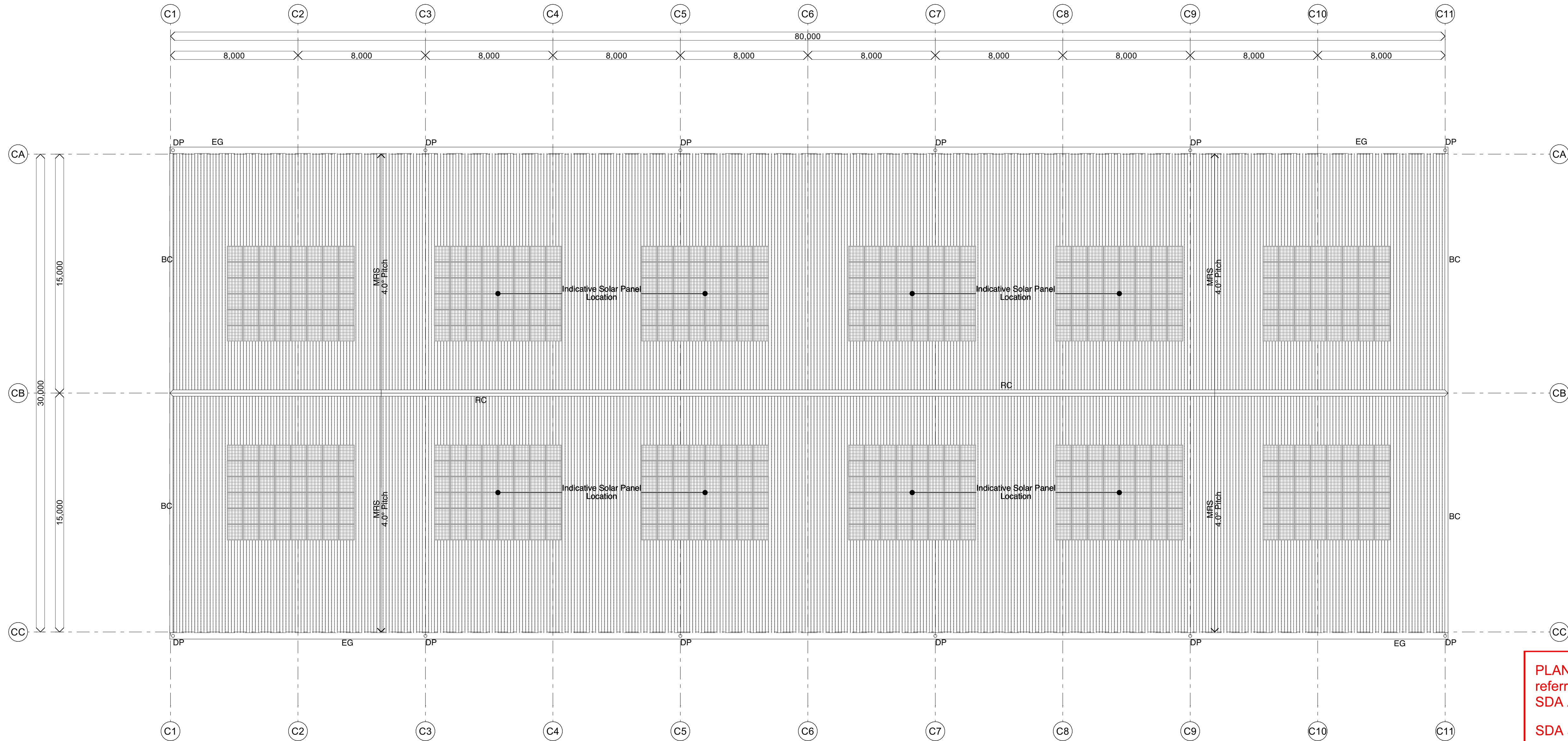




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EG Eaves Gutter
MRS Metal Roof Sheet
RC Colorbond Trimdek
RC Ridge Capping

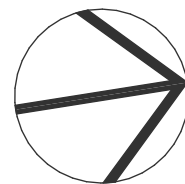


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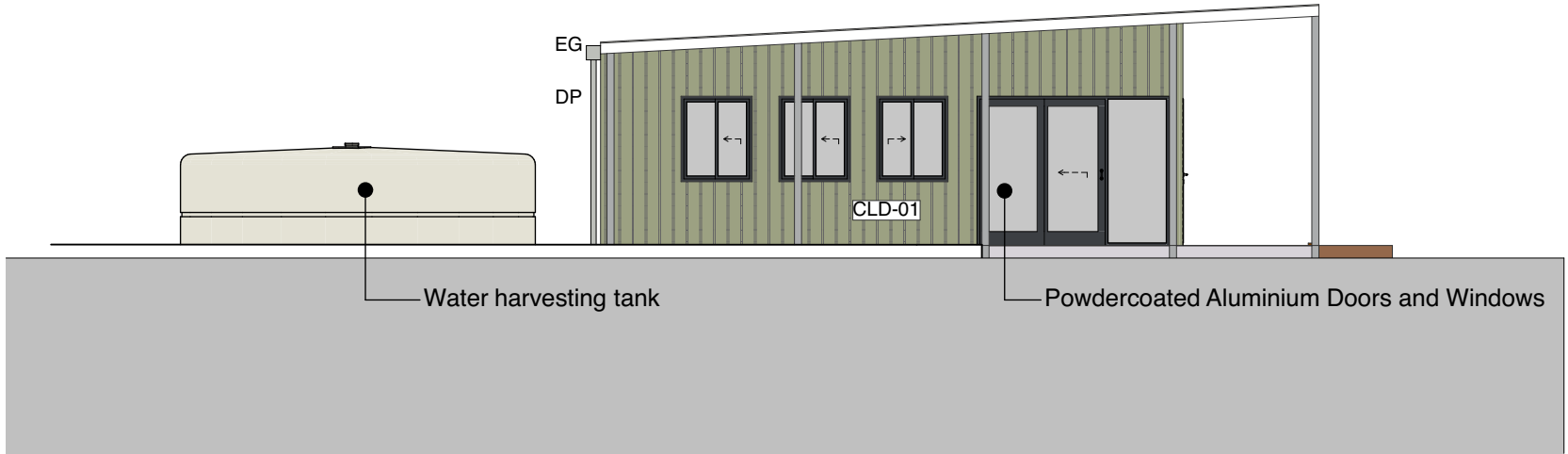
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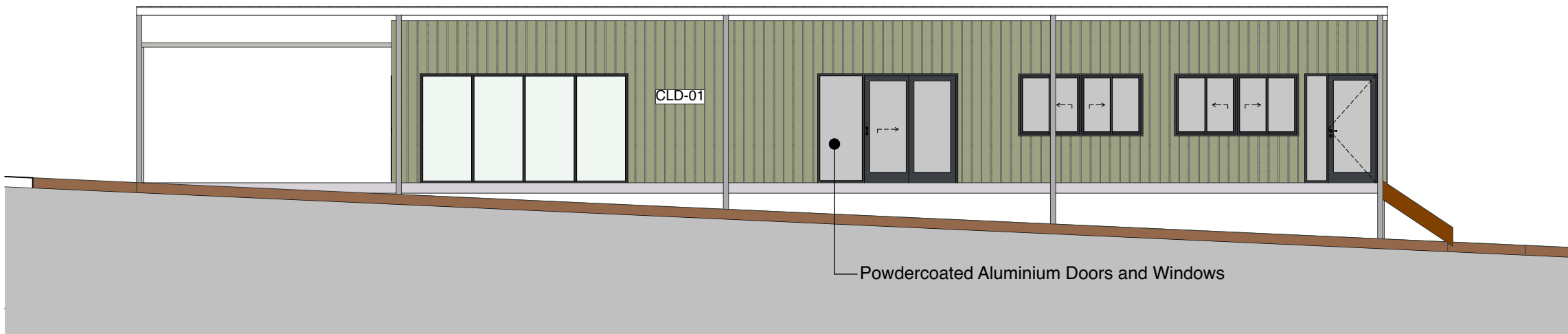




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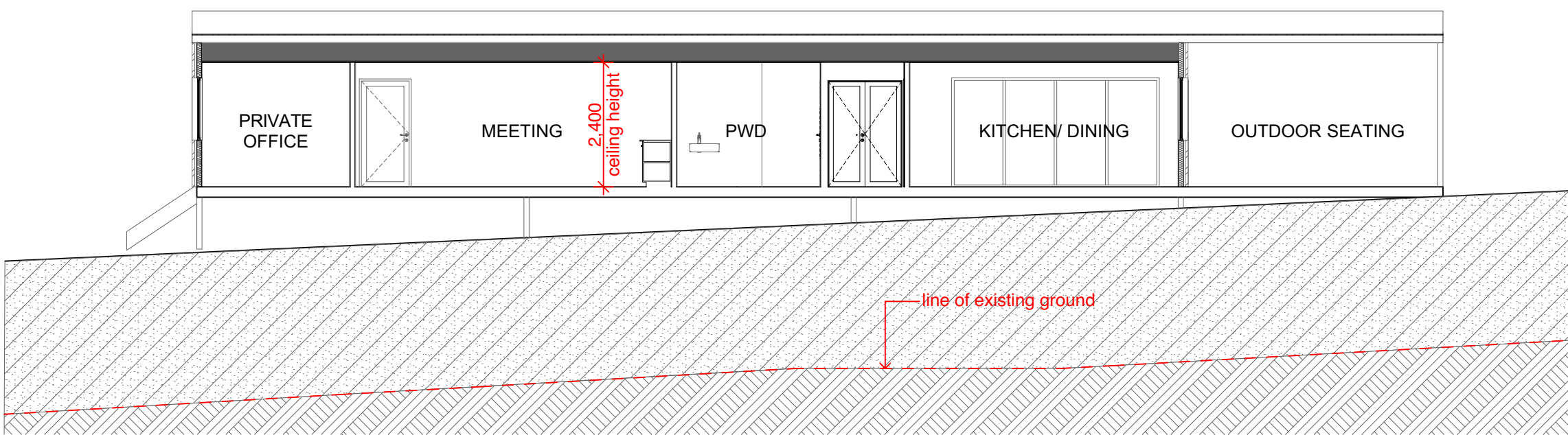
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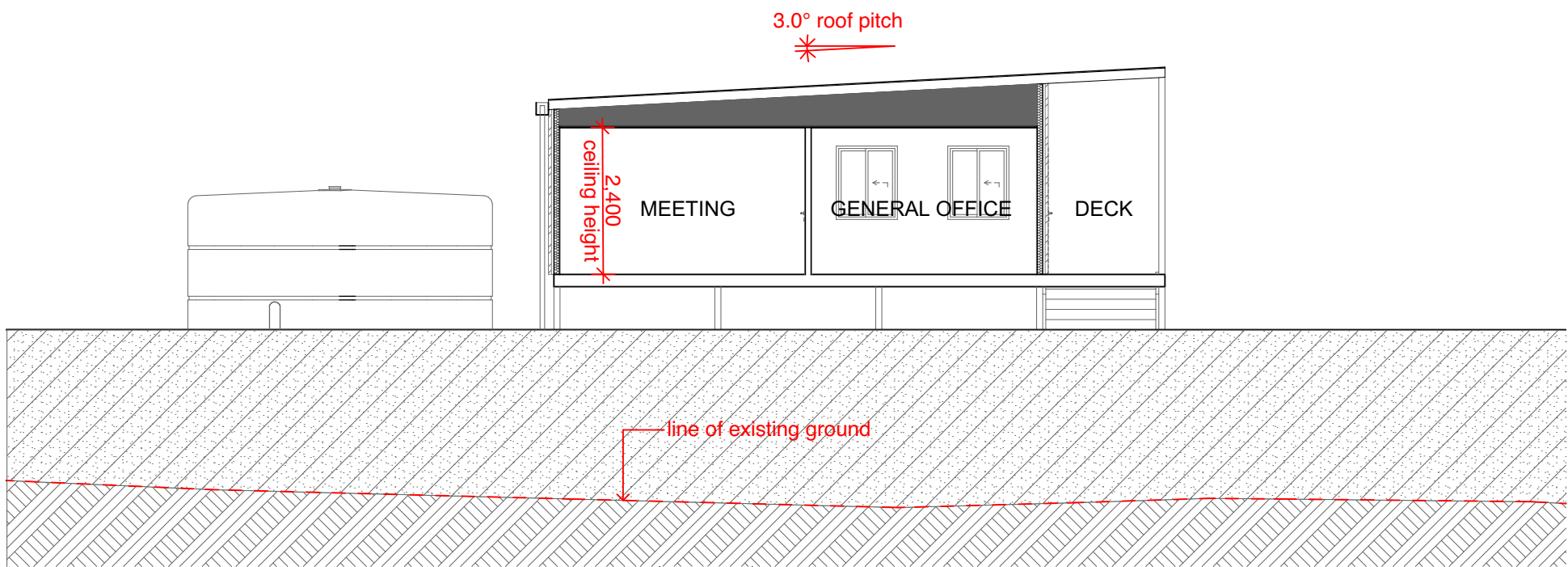
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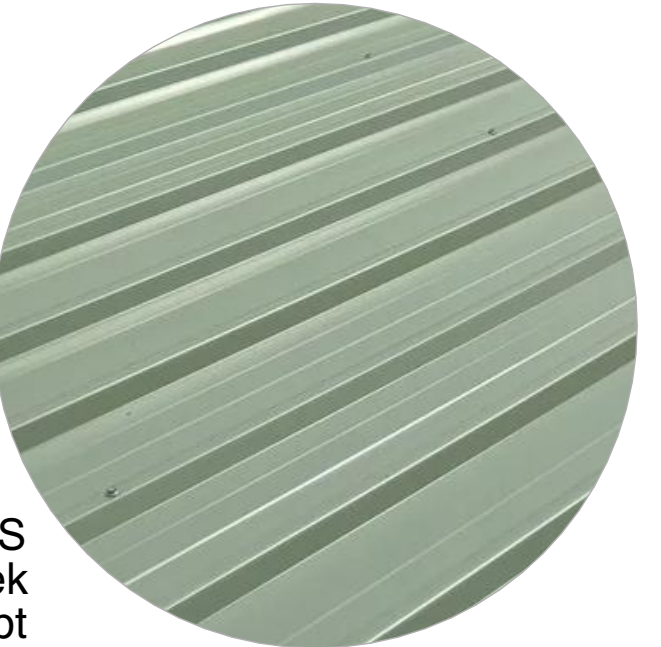
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CLD-01
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Colour: Pale Eucalypt



MRS
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Colour: Pale Eucalypt



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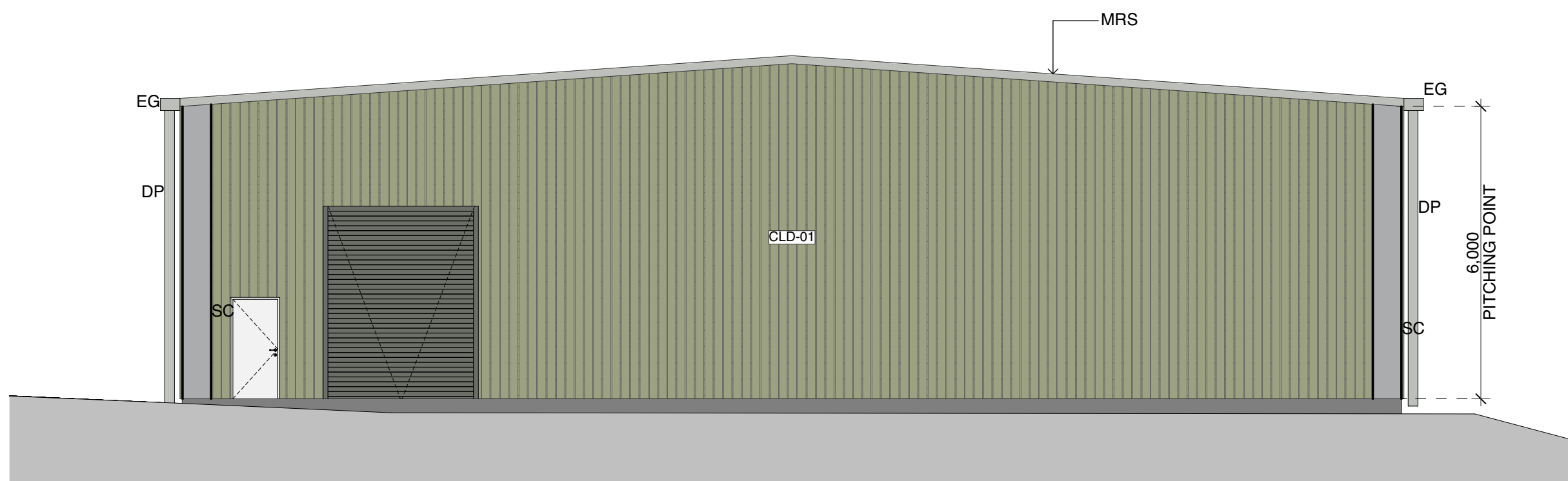
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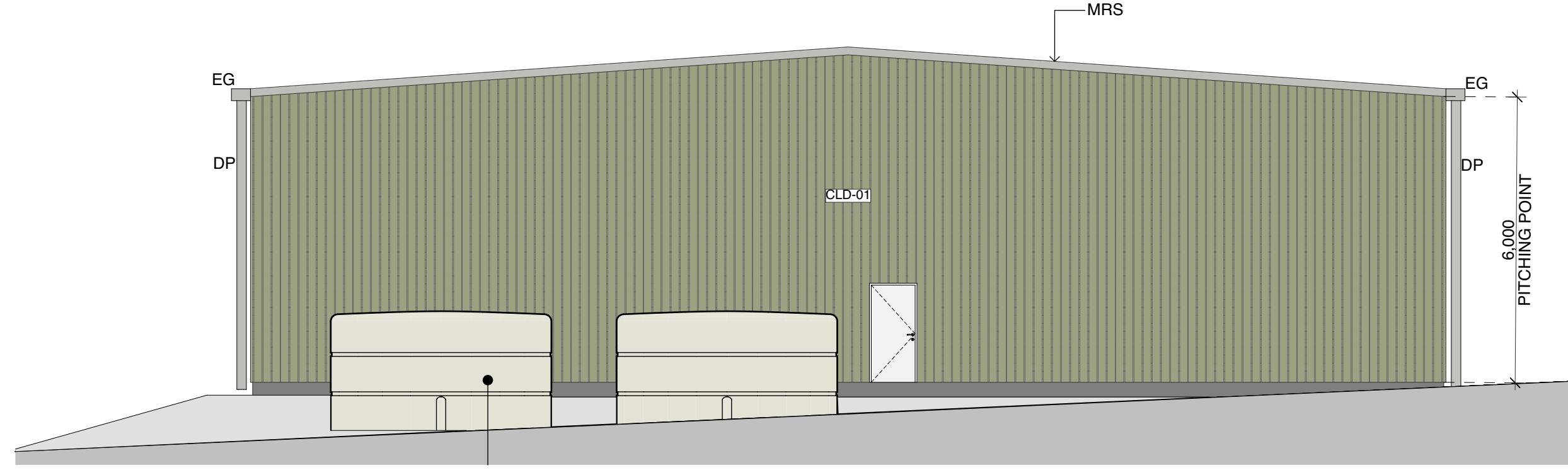
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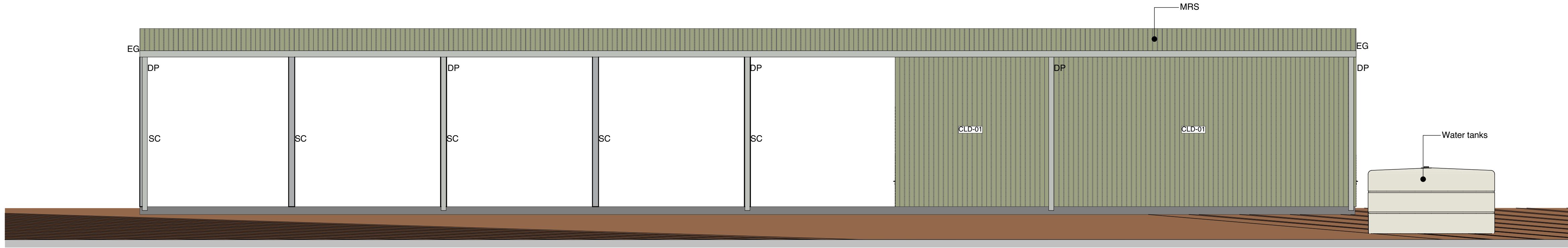
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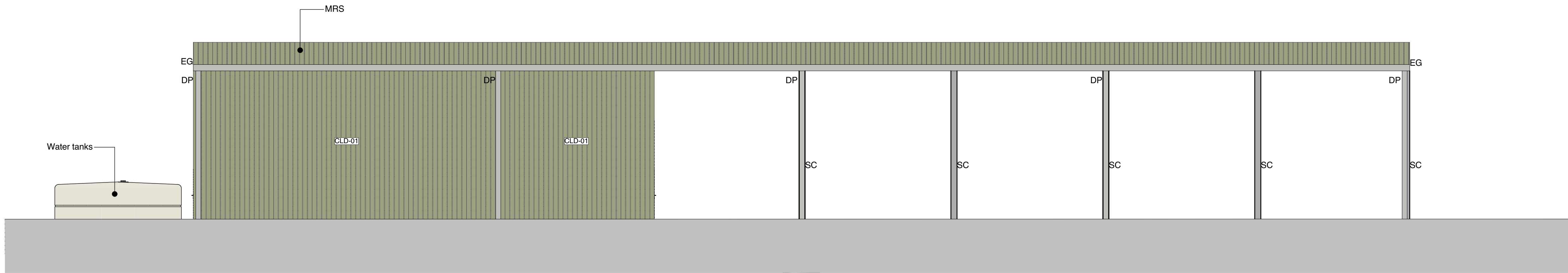
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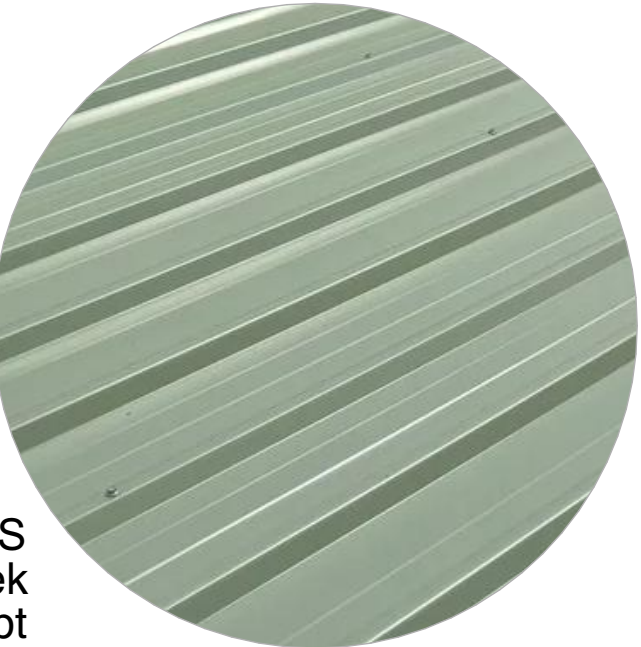
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Colour: Pale Eucalypt



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Colour: Pale Eucalypt



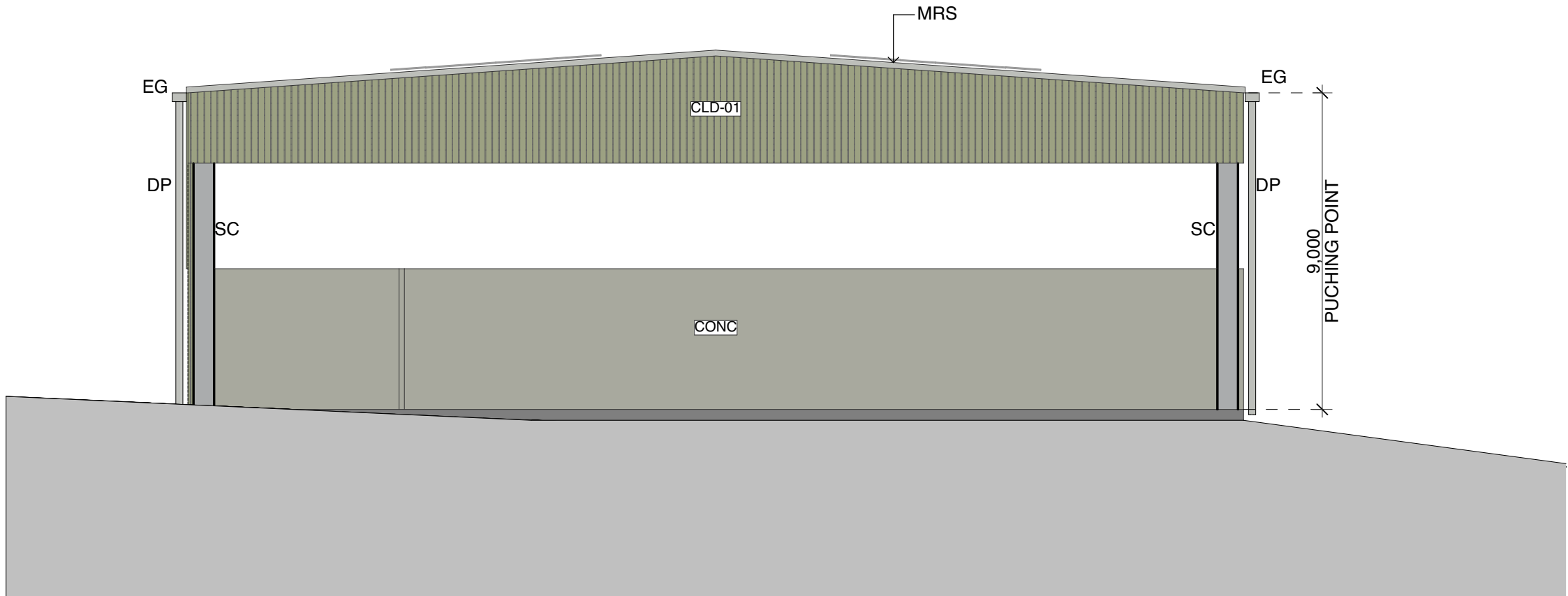
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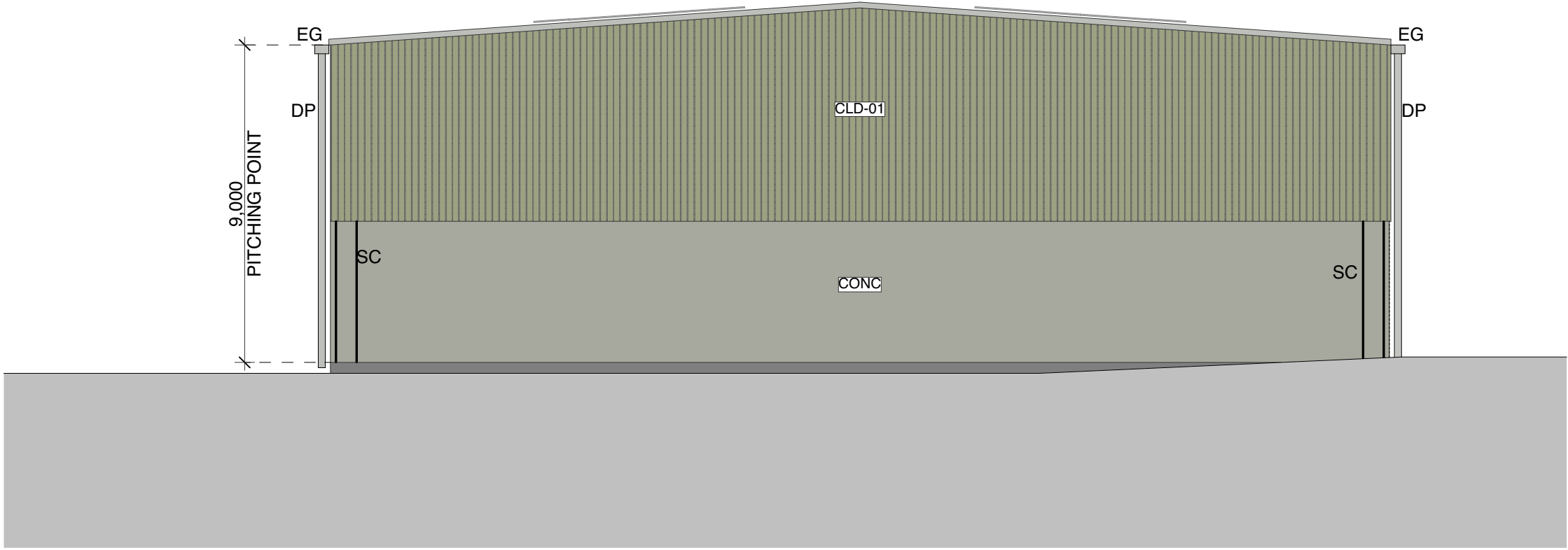
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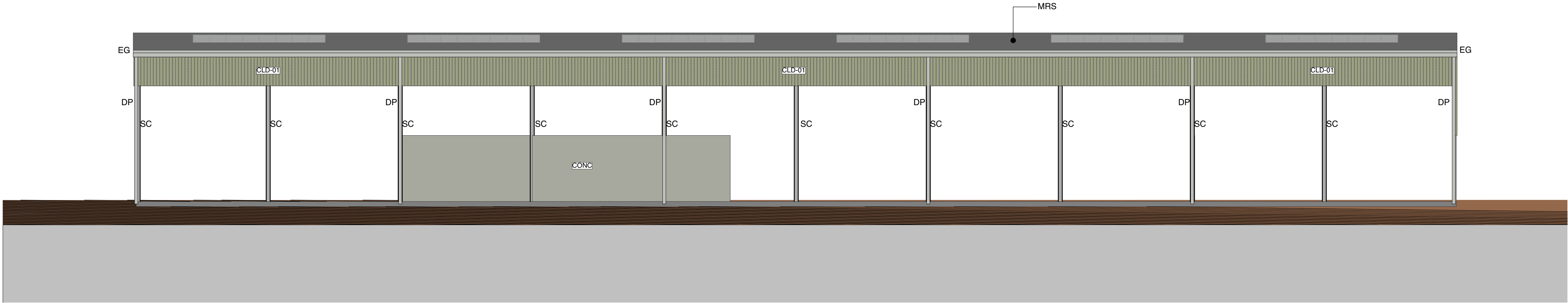
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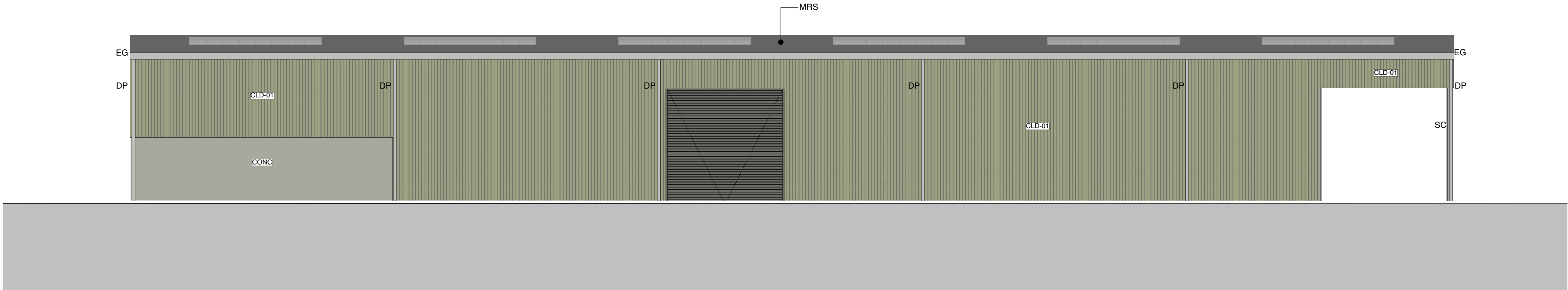
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2 FOGO Reveal & Sort Shed - West
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3 FOGO Reveal & Sort Shed - North
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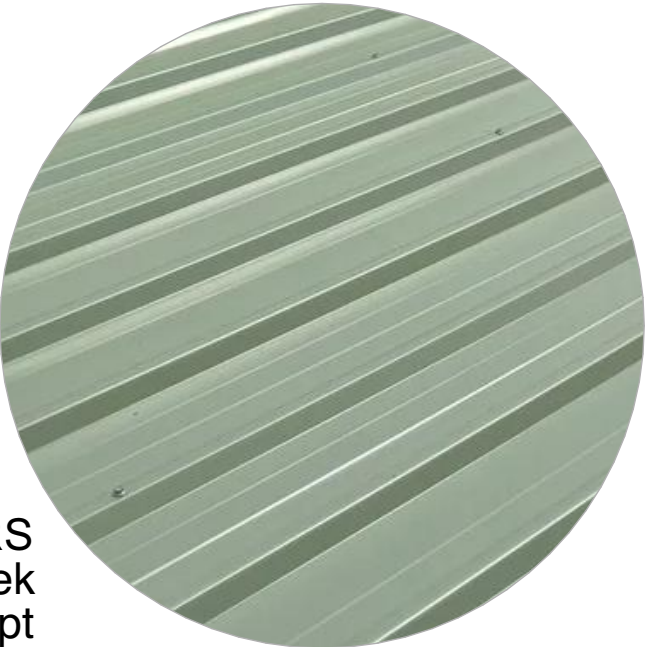
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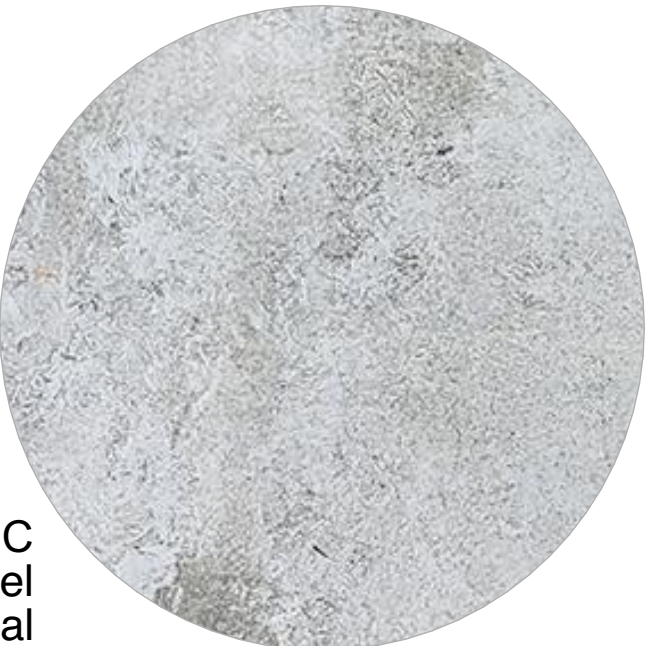
DP Downpipe
EG Eaves Gutter
SC Structural Column



CLD-01
Colorbond Trimdek
Colour: Pale Eucalypt



MRS
Colorbond Trimdek
Colour: Pale Eucalypt



CONC
Concrete Tilt Panel
Finish: Natural

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1 Site View from Mitchell Road



2 Site Entry

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1 Site View 1



2 Site View 2

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1 Office and Amenities - View 1



2 Office and Amenities - View 2

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1 Maintenance and Storage Shed

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Cultural Heritage and Native Title Duty of Care Assessment

at Compost Manufacturing Facility, Lot 4, 260 Mitchell Road, Bromelton,
Queensland.
April 2024



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Cover Photo: Lot 4 Mitchell Road, Bromelton (Credit: Peta Downes 2024)

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Current Revision		Report v3			

APPROVAL

Signature



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Archaeologist

Executive Summary

Redleaf Group was engaged by GHD to prepare a report to assess the potential risk the project poses to cultural heritage values on Lot 4, 260 Mitchell Road, Bromelton, Queensland prior to works commencing for the Compost Manufacturing Facility. This cultural heritage review includes a desktop assessment identifying any known cultural heritage places recorded on the relevant registers and databases. It also documents the field survey of the works area, and the values or places identified, including those not previously documented. It then evaluates the potential project impacts to provide recommendations for the mitigation of any potential harm to cultural heritage.

The desktop assessment revealed that there were two (2) known cultural heritage values within 1km of the project area as recorded on the Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships (DSDSATSIP) Indigenous cultural heritage database and register, the Commonwealth Heritage List (CHL), the Queensland Heritage Register (QHR), and the Scenic Rim Regional Council Local Heritage Register.

The field survey has revealed that there are Indigenous Heritage Values across the site. Some risk factors were identified in the landscape such as remnant vegetation, watercourses, wetlands, and ridgelines.

Drawing on the results from these investigations, this report evaluates the potential impacts of the Compost Manufacturing Facility on both historical and Aboriginal heritage and provides recommendations to manage these impacts.

Numerous stone artefacts were found within the works area on areas where the ground surface was able to be seen. These artefacts were situated along the top of ridgelines and within washout areas. Dense ground vegetation in other areas resulted in values remaining unseen in the landscape. As there are ridgelines, watercourses and some mature vegetation within the project area, the likelihood of further cultural heritage values is significantly high.

Traditional Owner consultation will be required.

Abbreviations and Acronyms

ACH Act	<i>Aboriginal Cultural Heritage Act 2003 (Qld)</i>
CHL	Commonwealth Heritage List (Cth)
DES	Department of Environment, Science, and Innovation (Qld)
DSDSATSIP	Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships.
EPBC Act/EPBC	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>
QHA	<i>Queensland Heritage Act 1992 (Qld)</i>
QHR	Queensland Heritage Register (Qld)
SRRC	Scenic Rim Regional Council
VM Act	<i>Vegetation Management Act 1999 (Qld)</i>

Definitions

Term	Definition
Additional surface disturbance	Surface disturbance inconsistent with previous surface disturbance.
Cultural heritage find	A significant Aboriginal object, or evidence of archaeological or historic significance of Aboriginal occupation of an area of Queensland, or Aboriginal human remains, found during undertaking an activity covered by these guidelines.
Developed area	An area that is developed or maintained for a purpose such as a park, garden, railway, road or other access route, navigation channel, municipal facility, or infrastructure facility, such as power lines, telecommunication lines or electricity infrastructure.
No additional surface disturbance	Surface disturbance not inconsistent with previous surface disturbance.
Significant ground disturbance	Disturbance by machinery of the topsoil or surface rock layer of the ground, such as by ploughing, drilling, or dredging; the removal of native vegetation by disturbing root systems and exposing underlying soil.
Surface disturbance	Any disturbance of an area which causes a lasting impact to the land or waters during the activity or after the activity has ceased.

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1 Legislative Framework

1.1 *Aboriginal Cultural Heritage Act 2003*

Land users in Queensland need to comply with the following Indigenous cultural heritage laws:

- *Aboriginal Cultural Heritage Act 2003*
- *Torres Strait Islander Cultural Heritage Act 2003*

The purpose of the *Aboriginal Cultural Heritage Act 2003* (ACH Act) is to provide for the effective recognition, protection, and conservation of Aboriginal cultural heritage. Through this legislation, the State aims to establish timely and efficient processes for the management of activities that may harm Aboriginal cultural heritage. It also states that the protection and conservation of Aboriginal cultural heritage should be based on respect for Aboriginal knowledge, culture, and traditional practices; and Aboriginal people are recognised as the primary guardians, keepers and knowledge holders of Aboriginal cultural heritage.

Aboriginal cultural heritage values are defined in the ACH Act as meaning a significant Aboriginal place, object, or evidence, of archaeological or historic significance, of Aboriginal occupation of an area of Queensland. Aboriginal cultural heritage values should not be confused with Native Title. As with non-Indigenous heritage values, Aboriginal cultural heritage can exist on an area regardless of the land tenure. The existence of Aboriginal cultural heritage in an area does not mean that Native Title exists over that area.

The ACH Act also establishes a duty for the chief executive to keep the 'Aboriginal Cultural Heritage Database' under Part 5. This database is accessible through the Department of Seniors, Disability Services and Aboriginal and Torres Strait Islander Partnerships (DSDSATSIP, formerly DATSIP) database.

1.1.1 Duty of Care Guidelines 2004

The *Aboriginal Cultural Heritage Act 2003* Duty of Care Guidelines (2004) is the primary tool for determining a duty of care outcome for activities that may harm Aboriginal cultural heritage. Section 23(1) of the ACH Act states that a person who 'carries out an activity must take all reasonable and practicable measures to ensure the activity does not harm Aboriginal cultural heritage'.

1.2 *Queensland Heritage Act 1992*

The *Queensland Heritage Act 1992* (QHA) is an act of the Queensland Parliament establishing the legislative framework for registered protection of places of state significance. The Queensland Heritage Council and Queensland Heritage Register were established under the QHA. In Part 11, Divisions 1 and 2, the QHA also sets up a system for local governments to identify places of local heritage significance; and in section 112 the QHA requires local governments to record places that are of cultural heritage significant in a local heritage register or planning scheme.

The QHA was specifically introduced to provide for the conservation of Queensland's cultural heritage for the benefit of the community and future generations. The aim of the act is to provide information, regulate development, and provide appropriate enforcement powers to protect Queensland's heritage.

Under section 89 the QHA, if archaeological artefacts are, or could be, of State significance, a notification of discovery must be made to the Department of Environment and Science (DES). Under section 90 of the QHA, unless the chief executive gives consent, or if a person has a reasonable excuse, the archaeological artefact must not be interfered with until at least 20 business days after the giving of notice. When an archaeological discovery is reported, DES assesses the finds to determine if it is an important source of information about Queensland's history.

Discoveries may be assessed as:

- not important; or
- important and requiring management strategies; or
- important and eligible for entry in the Queensland Heritage Register.

1.3 *Environment Protection and Biodiversity Conservation Act 1999*

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC) is the Australian Government's environment and heritage legislation. Established under the EPBC Act, the Commonwealth Heritage List comprises outstanding natural, Indigenous, and historic heritage places on Commonwealth lands and waters, or under Australian Government control.

The EPBC Act requires listed places to undergo special requirements to ensure that the values of the place are protected and conserved for future generations. The EPBC Act provides for the preparation of management plans which set out the significant heritage aspects of the place and how the values of the site will be managed.

1.4 *Native Title Act 1993*

The *Native Title Act 1993* is the Australian Government's Native Title legislation that provides a national system for the recognition and protection of Native Title and for its co-existence with the national land management system. Under the *Native Title Act 1993*, Native Title claimants can make an application to the Federal Court to have their Native Title recognised by Australian law.

The Act recognises the traditional rights and interests to land and waters of Aboriginal and Torres Strait Islander people. These rights and interests have been practised, and continue to be, by Aboriginal and Torres Strait Islander groups under traditional laws and customs prior to sovereignty (British occupation).

These rights and interests include such activities as the right to live and camp in the area, performing of ceremonies, hunting, and fishing, collection of food, building shelters and visiting places of cultural importance.

2 Introduction

2.1 Background

The Bromelton Compost Manufacturing Facility (the Bromelton CMF Project) is an organics facility located along Mitchell Road in Bromelton, in Southeast Queensland. SOILCO Pty Ltd will design, construct and operate the Bromelton CMF Project. Redleaf Group was engaged by GHD to conduct a Cultural Heritage and Native Title Duty of Care Assessment as part of the Compost Manufacturing Facility at Lot 4, 260 Mitchell Road, Bromelton, Queensland. The Cultural Heritage and Native Title Duty of Care Assessment was carried out in accordance with the *Aboriginal Cultural Heritage Act 2003* Duty of Care Guidelines (2004), the *Queensland Heritage Act 1992* (QHA), the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), and the *Native Title Act 1993*.

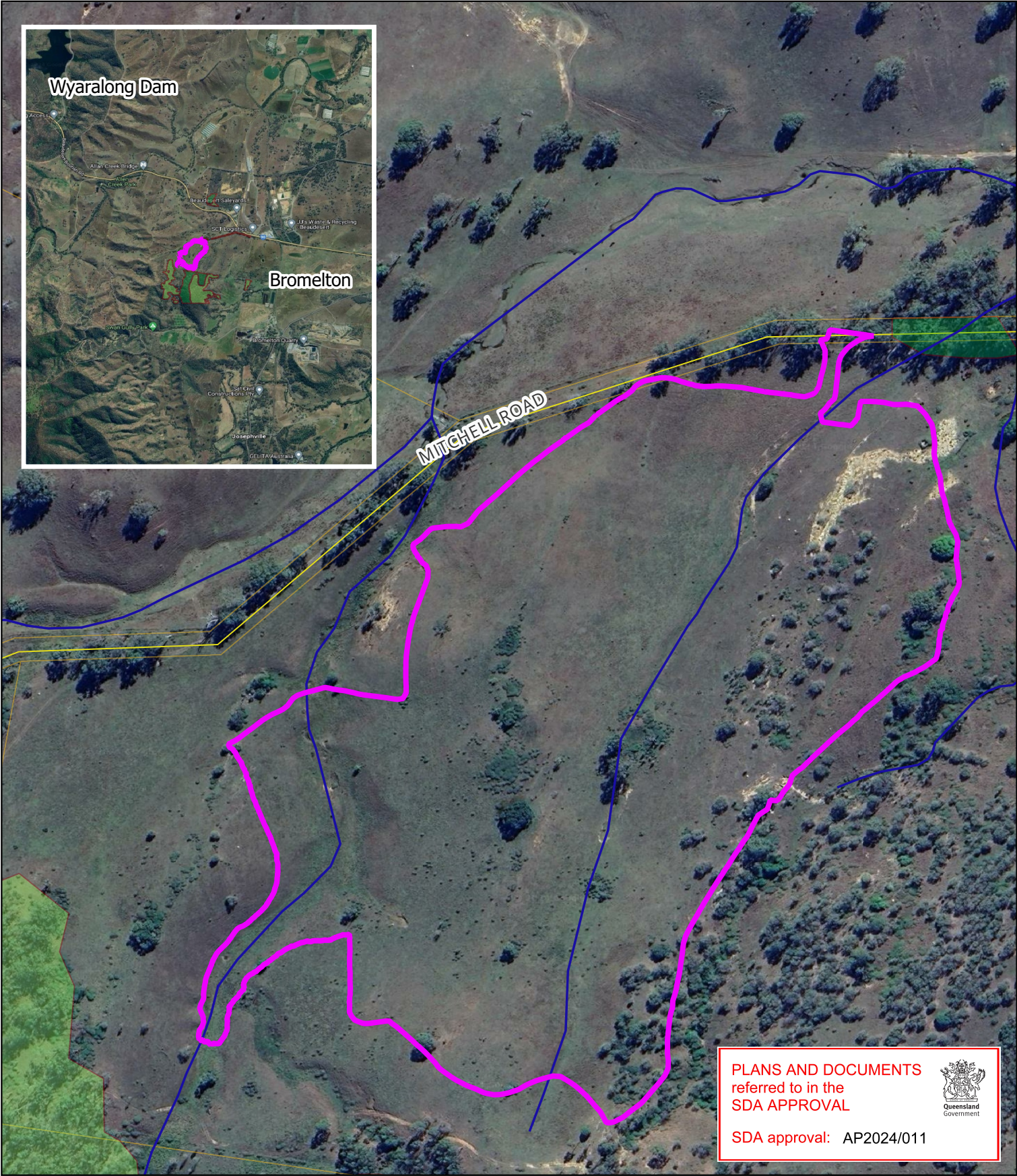
2.2 Site Location

The site is located in Bromelton, in the Scenic Rim Regional Council local government area. The Compost Manufacturing Facility to be constructed is located at Lot 4, 260 Mitchell Road, Bromelton at -27.97790, 152.91025. The lot on plan is 4RP85497 (Map 1).

2.3 Scope

This Cultural Heritage and Native Title Duty of Care will consider the potential impacts the Compost Manufacturing Facility may have on both Indigenous and non-Indigenous cultural heritage by:

- Identifying any known cultural heritage places near to or within the project area.
- Conducting a field survey to verify desktop findings and identify and assess any additional cultural heritage values.
- Providing recommendations for the management of any impacts to cultural heritage places in compliance with the relevant legislation.



Legend

Project Footprint 20240803

Roads

DCDB

Vegetation

Remnant

High Value Regrowth

Watercourse

CRS: GDA 1994 MGA Zone 56
Projection: Transverse Mercator

Scale 1:3,000

0 25 50 75 m

(A4)
N

Map 1: Locational Map of the proposed Compost Manufacturing Facility, Lot 4, 260 Mitchell Rd, Bromelton, Qld.

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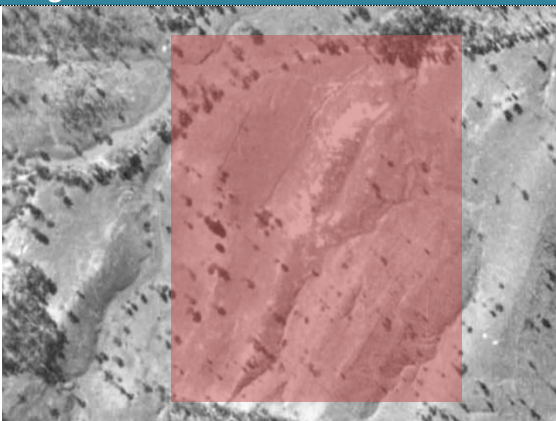
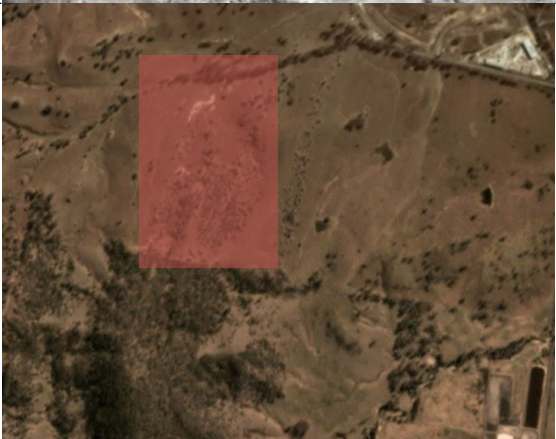
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3 Historical Context and Overview

3.1 Historical Land Use

An extensive history of clearing at a site can result in the disturbance or destruction of archaeological values in an area. However, this is not always the case and must be considered on a case-by-case basis. Aerial imagery and field surveys assist with the determination of historical site disturbance. Aerial imagery from 1944 - 2017 demonstrates a history of pastoral land clearing (Appendix B – Historical Aerial Imagery). Selected aerial imagery, which provides the most relevant insight into past ground disturbance, is included below in Table 1.

Table 1 Selected historic imagery for the proposed works site.

Year	Image	Description
1944		The earliest available imagery from 1944 shows that the proposed works area was already cleared at this time, which indicates some previous ground disturbance (<i>MAP 1539 Frame 571; Queensland Government 2022b</i>).
2017		The area in 2017 remains unchanged, with little to no extra clearing having occurred (<i>L16-7575E-3432N; Queensland Government 2022b</i>).

3.1.1 Indigenous History

Danggan Balun are also known as the Five Rivers People. In the north, people consider their traditional country to encompass the Logan River catchment; in the south, they consider it to extend to the boundary between Queensland and New South Wales; in the west, they consider it to extend to the Upper and Lower Teviot Brook catchments; and in the middle, they consider towns like Beaudesert, Beenleigh, Coomera, and Coolangatta to be included (QC2017/007-3 – *Native Title Registration Decision* 2020).

There are a number of landholding groups that identify as either saltwater or freshwater people. They have a strong belief in ancestral beings who are responsible for connecting and uniting individuals who live in freshwater and saltwater environments. During the time of the first Europeans first contact with the region, the region was inhabited by a large number of Indigenous people. The lives of these people were documented by early marine explorers, convicts, soldiers, explorers, and land surveyors. These written descriptions of Aboriginal people detail their use of nets, canoes, spears, and other implements and techniques to hunt and gather food. They also describe their construction of houses and gatherings for ceremonies, feasts, and commerce (QC2017/007-3 – *Native Title Registration Decision* 2020).

3.1.2 Non-Indigenous History

In 1842, Hugh Henry Robertson Aikman obtained the initial squatting licence for the area, which was potentially the first such licence granted for Moreton Bay. Bromelton Provisional School opened on the 25th of October 1880 and in January of 1909 it became Bromelton State School, finally closing its doors in 1953 (Queensland Family History Society, 2010). Bromelton railway station was located on the NSW North Coastline, which forms a major part of the Sydney – Brisbane rail corridor, until its closure in 1995 (Railway Digest, 1995).

Bromelton House, which is still standing, served as the principal domicile of an expansive estate under the ownership of Hugh Henry Robertson Aikman. The dwelling was named "Broomelton" in remembrance of his residence in Lanarkshire, Scotland (State Library of Queensland, 2010).

The government recommenced the process of seizing substantial portions of land for closer settlement in 1872. Numerous individuals have since made Bromelton their residence. Throughout this period, the property was utilised for sheep farming to supply the dairying and cattle industries, and subsequently for the cultivation of pecan trees (State Library of Queensland, 2010).

The property where Bromelton House is situated's (not in the project area) most prominent feature is the lagoon, which, according to Indigenous legend, was excavated by a platypus attempting to evade a dingo. There was a rumour that the lagoon was inhabited by a creature called the 'Bunyip' and had a depth of approximately ninety feet in some areas. Its circumference is close to one mile. According to Indigenous communities, the Bunyip inhabited the lagoons of Bungropin and Ilbogan via a tunnel (State Library of Queensland, 2010).

3.1.3 Non-Indigenous History

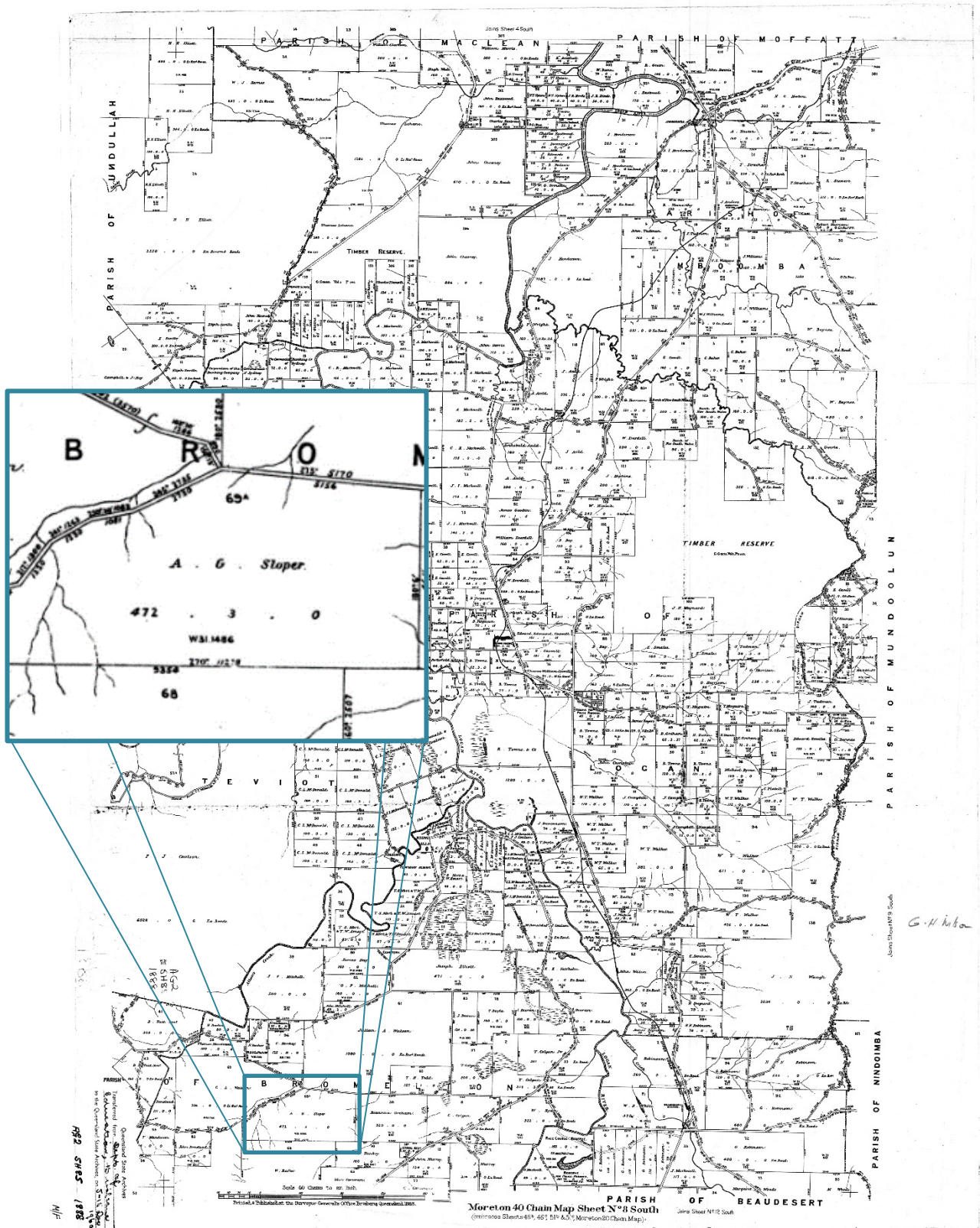


Figure 1 A 1888 map of the Parish of Beaudesert, with inset map of the proposed works area (Surveyor General's Office – Brisbane, Queensland 1888)



Figure 2 MacDonald family, Bromelton House 1872 (Boag, William, 1838?-1878 2003, MacDonald family, Bromelton House, Albert River district, 1872, John Oxley Library, State Library of Queensland).

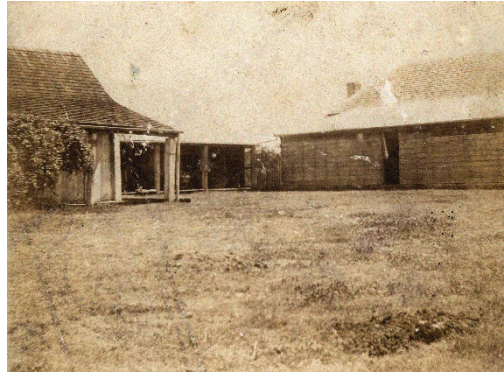


Figure 3 Buildings at Bromelton Station (2007. Buildings at Bromelton Station, John Oxley Library, State Library of Queensland).



Figure 4 Interior view showing a bedroom at Bromelton Station (2007. Interior view showing a bedroom at Bromelton Station, John Oxley Library, State Library of Queensland).



Figure 6 Moloney Family outside their home at Bromelton c. 1897 (2007. Moloney family outside their home at Bromelton, ca. 1897, John Oxley Library, State Library of Queensland).

different and much sharper outline. It appeared to be covered with hair, and about three feet of the body was exposed above water. While swimming, the animal apparently propelled itself forward by making use of two flappers or feet, as the motion of the water plainly indicated that it was provided with such means of locomotion. It was not possible to estimate its length, as neither the lower part of the body nor the tail have as yet been seen. The appearance of the animal is most ferocious, and we should imagine that few persons will indulge in the luxury of bathing in the lagoon while it is known to be the "habitat" of this nondescript. We recollect that some years ago, an animal answering in several particulars the above description was seen in the deep water-hole at Bromelton, on the Logan River, which was stated to be upwards of thirty feet in length, and which created a good deal of speculation at the time, and no small amount of fun at the discovery of the "Prior Bunyip," as it was called. We have conversed with two persons who formerly resided in that vicinity, and they assure us it is an undoubted fact that the aboriginal natives are aware of the existence of these animals, whatever they may be,—whether eels, otters, or seals, and it is said nothing will induce them to bathe in these water holes. It is therefore possible that the animal seen in the Bundambah lagoon may be the "Kianpratec" of the blacks, specimens of which have lately been seen in the Murray River by a Mr Stocqueler, but he did not succeed in obtaining one.—North Australian.

Figure 5 Newspaper article about the Bromelton Bunyip (1857 'A VERITABLE BUNYIP.', The Age)



Figure 7 Bromelton Lagoon, Queensland (2007. Bromelton Lagoon, Queensland, John Oxley Library, State Library of Queensland).

4 Cultural Heritage Desktop Assessment

4.1 Environment

The proposed site is Freehold tenure on land zoned as a Special Purpose Zone (Scenic Rim Planning Scheme 2020). This area is consistent with land subject to a history of pastoralism and agriculture. The broader landscape contains unmapped vegetation under the *Vegetation Management Act 1999*.

The works area is categorised as hill slopes of hard-setting loamy soils with red and red mottled clayey subsoils, and gently rolling areas of the subcoastal lowland.

4.2 Cultural Heritage Desktop Search

A search of the Department of Seniors, Disability Services, Aboriginal and Torres Strait Islander Partnerships (DSDSATSIP) Cultural Heritage Database and Register (Reference Number 156962) was conducted encompassing the works area, and the vicinity, to detect any cultural heritage values.

4.2.1 DSDSATSIP Search Attributes

Two (2) known Aboriginal cultural heritage attributes are recorded within this scope (2) (*Table 2 DSDSATSIP Cultural Heritage attributes near the proposed works area.*)

Table 2 DSDSATSIP Cultural Heritage attributes near the proposed works area.

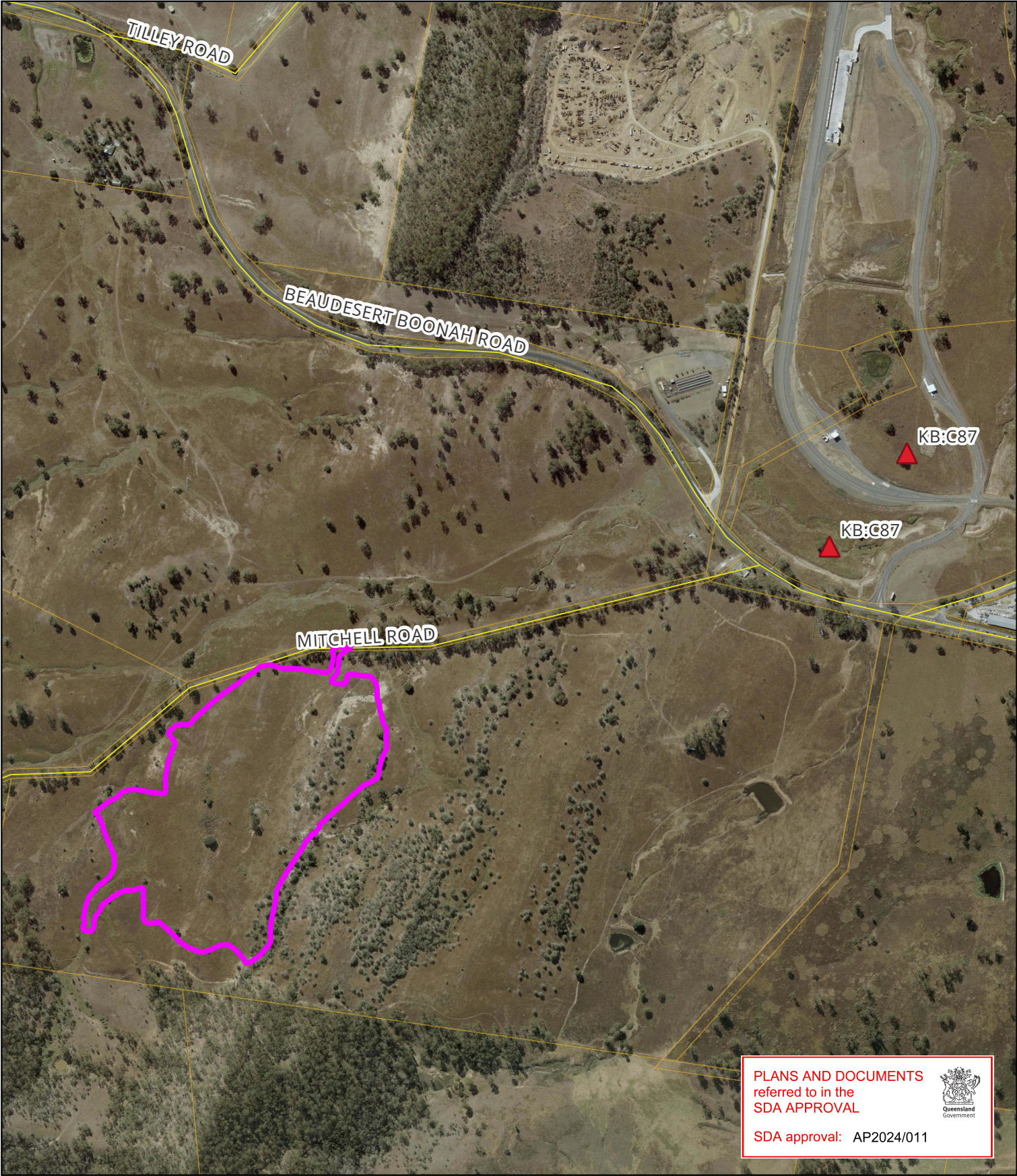
Site ID	Latitude	Longitude	Record Date	Attribute	Party	Distance from site
KB:C87	-27.972972	152.921766	11/03/1999	Artefact Scatter	Danggan Balun (Five Rivers) People	900m
KB:C87	-27.971169	152.925326	11/03/1999	Artefact Scatter	Danggan Balun (Five Rivers) People	1100m

4.2.2 DSDSATSIP Cultural Heritage Party

The Aboriginal cultural heritage party for the area of the proposed works are recorded within this scope (*Table 3 DSDSATSIP Cultural Heritage party for the proposed works area.*)

Table 3 DSDSATSIP Cultural Heritage party for the proposed works area.

Reference No.	Federal Court No.	Name	Contact Details
QC2017/007	QUD331/2017	Danggan Balun (Five Rivers) People	Danggan Balun (Five Rivers) Queensland South Native Title Services PO Box 10832 BRISBANE QLD 4000 Freecall: 1800 663 693 Phone: (07) 3224 1200 Email: reception@qsnts.com.au



Legend

- Project Footprint 20240803
- ▲ DSDSATSIP Values
- DCDB
- Roads

CRS: GDA 1994 MGA Zone 56
Projection: Transverse Mercator

Scale 1:7,500 (A4)

0 75 150 225 m

N

Map 2 DSDSATSIP Indigenous heritage values at or near the proposed Compost Manufacturing Facility, Bromelton.

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Rev	Description	Drawn	Approved	Date

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redleaf GROUP

4.3 Non-Indigenous Cultural Heritage

Built or non-Indigenous heritage places may be recorded as significant and subsequently registered on several databases. These include local heritage registers, the Queensland Heritage Register, or the Australian Heritage Database (which includes listings on the World, National and Commonwealth Heritage Registers, the National Trust of Queensland, as well as the now-obsolete Register of the National Estate).

The Commonwealth Heritage List (CHL) is an active heritage list of national, historic, and Indigenous places protected and managed by the Australian government in accordance with the Federal *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Section 112 of the *Queensland Heritage Act 1992* (QHA) stipulates that (as of 2008) local Queensland governments are obligated to compile and maintain a Local Heritage Register. The places that are listed are specifically relevant to European cultural heritage and are selected using criteria adapted from the QHA and *Australia ICOMOS Burra Charter 1999*.

4.3.1 Non-Indigenous Register Search Attributes

Non-Indigenous heritage values listed on heritage registers are summarised in Table 4. No heritage listed places are near the works area.

Table 4 Non-Indigenous Heritage Attributes near the proposed Compost Manufacturing Facility at Bromelton.

Property	Queensland Heritage Register			National Trust of Queensland (non-statutory register)		Local Heritage Register	
	ID	Attribute	Criterion	ID	Attribute	ID	Attribute
Lot 4, 260 Mitchell Road, Bromelton, Queensland	n/a	n/a	n/a	n/a	n/a	n/a	n/a

5 Native Title Assessment

5.1 The Commonwealth Native Title Act 1993

Native title refers to the rights and interests held by the Aboriginal and Torres Strait Islander peoples in accordance with the traditional laws recognised and customs observed. Common law in Australia recognises those laws and customs that are associated with the land or waters.

The main objectives of the Commonwealth *Native Title Act 1993* are:

- a. to provide for the recognition and protection of Native Title;
- b. to establish ways in which future dealings affecting Native Title may proceed and to set standards for those dealings;
- c. to establish a mechanism for determining claims to Native Title; and
- d. to provide for, or permit, the validation of past acts, and intermediate period acts, invalidated because of the existence of Native Title.

In order for the common law of Australia to recognise the native title rights and interests of a native title claim group, the NTA requires the filing of a native title determination application with the Federal Court of Australia.

The validity of the claim for native title is assessed by the Federal Court of Australia or High Court of Australia through the consideration of evidence submitted in the application. The claimants, referred to as the Native Title Party are responsible for gathering and compiling the evidence. Then, on the basis of this evidence, a native title determination is rendered. Whether the determination confers 'exclusive' or 'nonexclusive' native title rights and interests, the determined Native Title Holder (also referred to as the Native Title Party) may be granted the same or different rights as landowners in cases where native title has been established.

Native title holders have the right to negotiate an agreement with private or public corporations or governments that wish to develop land, open mines, or construct infrastructure on land with a native title determination, in accordance with the Native Title Act. Native title holders are granted the opportunity to provide input on development that impacts their traditional waters and territories; this is an important measure. It also signifies that recompense may be offered to native title holders in exchange for permitting industry access to their traditional lands. The right to negotiate is not a right to veto. Unless the property in question is designated as a cultural heritage site or the Traditional Owners hold freehold tenure, they are not permitted to impede development (The State of Queensland, 2023).

5.2 Tenure Types

The tenure of the proposed works site is Freehold adjacent to other Freehold lots and a Road Parcel (Map 4).

Freehold tenure is typically found on a private lot. It means that the land is 'free from hold' by any other entity and the owner can mortgage, lease, or sell their land and build a dwelling in accordance with local laws and planning regulations.

Valid grants of freehold tenure extinguish Native Title, and a Native Title determination won't affect private home ownership. Grants are known as previous exclusive possession acts (PEPA). If it can be proven that freehold tenure was granted prior to 23 December 1996, in the proposed works area, Native Title has likely been extinguished.

5.3 Native Title Claims and Legal Outcomes

Native Title land boundaries occurring within or surrounding the project areas for the upgrade works were considered. All Native Title applications and determinations, whether accepted, rejected or in process, are kept on record by the Australian National Native Title Tribunal (NNTT).

5.4 Native Title Determinations

A search of the National Native Title Register indicated that no Native Title determinations currently exist over the proposed works area.

5.5 Scheduled Native Title Claims (SNTCs)

A search of the National Native Title Register indicates that one (1) scheduled Native Title application currently exists over the proposed works area.

The SNTC has the name of *'Ted Williams & Ors on behalf of the Danggan Balun (Five Rivers) People v State of Queensland'*, the Tribunal file no. QC2017/007 and the Federal Court number QUD331/2017.

5.6 Registered Native Title Claims (RNTCs)

A search of the National Native Title Register indicates that one (1) registered Native Title application currently exists over the proposed works area.

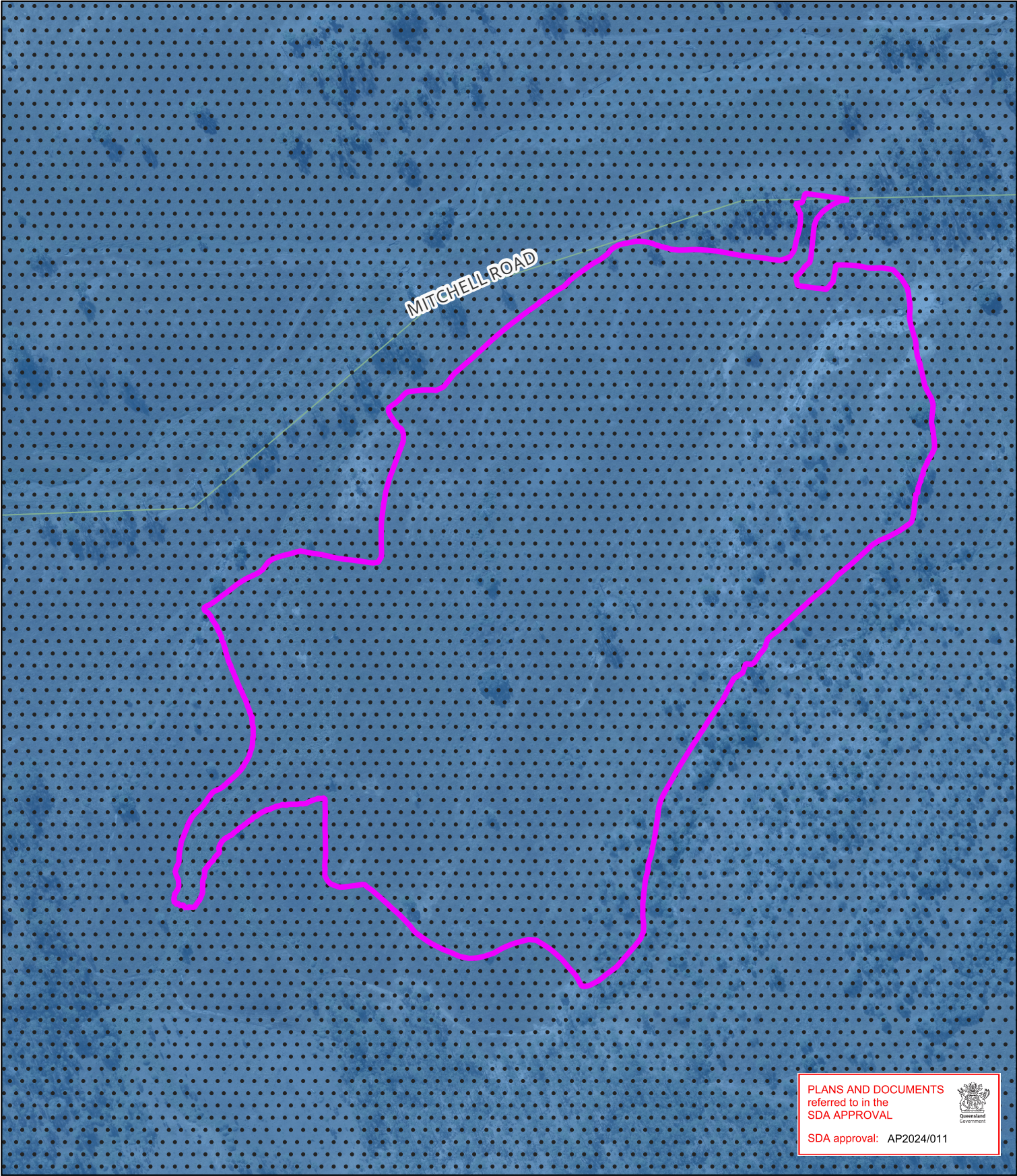
The RNTC has the name of *'Ted Williams & Ors on behalf of the Danggan Balun (Five Rivers) People v State of Queensland'*, the Tribunal file no. QC2017/007 and the Federal Court number QUD331/2017.

5.7 Indigenous Land Use Agreements (ILUAs)

A search of the National Native Title Register indicates that no ILUAs currently exist over the proposed works area.

5.8 Native Title Findings

Valid grants of freehold tenure extinguish Native Title. Grants are known as previous exclusive possession acts (PEPA). If it can be proven that freehold tenure was granted prior to 23 December 1996, in the proposed works area, Native Title has likely been extinguished (Map 3).



PLANS AND DOCUMENTS
referred to in the
SDA APPROVAL

SDA approval: AP2024/011



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Project Footprint 20240803

Roads

Registered Native Title Claim

Scheduled Native Title Claim

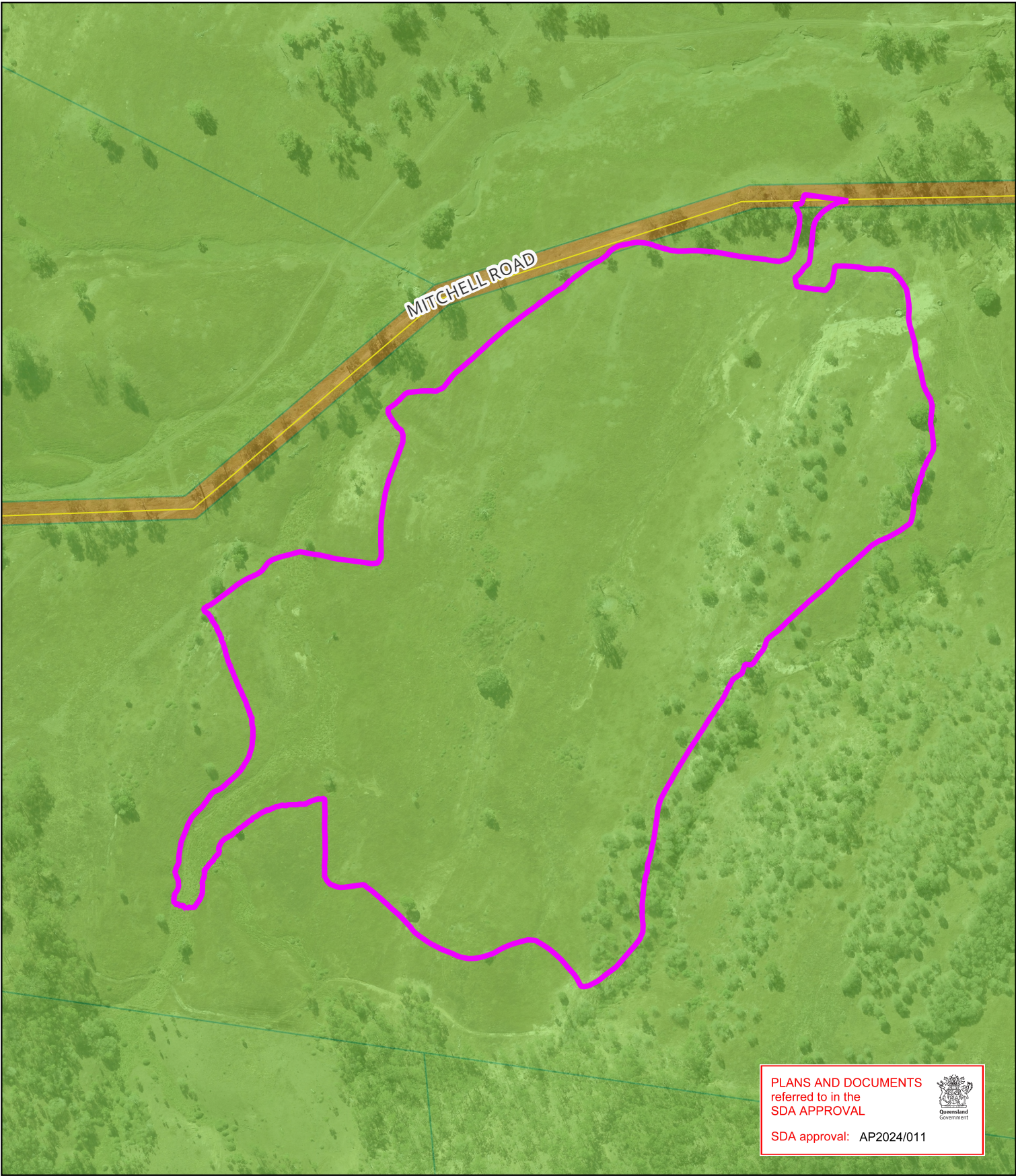
CRS: GDA 1994 MGA Zone 56
Projection: Transverse Mercator

Scale 1:3,000

0 25 50 75 m

(A4)
N

Map 3 Native Title Assessment at or near the proposed Compost Manufacturing Facility, Bromelton.	O	Issued for use	PD	TM	13/08/2024	Job Number 23595
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	Rev	Description	Drawn	Approved	Date	



Legend

Project Footprint 20240803

Roads

Tenure

Freehold

Road Parcel

CRS: GDA 1994 MGA Zone 56
Projection: Transverse Mercator

Scale 1:3,000

0 25 50 75 m

(A4)
N

Map 4 Tenure Assessment at or near the proposed Compost Manufacturing Facility, Bromelton.

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Rev	Description	Drawn	Approved	Date

Job Number 23595

6 Field Survey

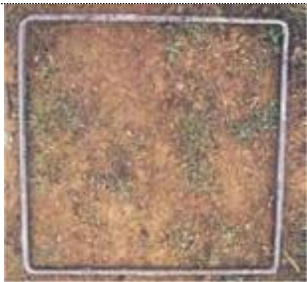
6.1 Survey Limitations

The taphonomy of a site must be considered during archaeological foot surveys, as it takes into account the processes which have acted on the site’s soils, and the effect of these processes on the archaeological record. For example, traffic infrastructure, vehicular disturbance, rain, pastoral usage, vegetation, erosion, and more factors should be considered when interpreting a site. Historical land use can be determined from historical imagery (Appendix B, Table 11) and historical research (Section 3). Ground surface visibility (GSV) is also a major factor that needs to be considered during a cultural heritage survey.

6.1.1 Ground Surface Visibility

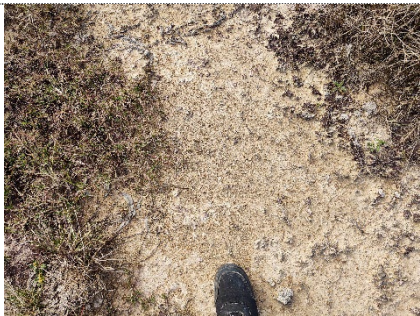
GSV is important to consider during heritage surveys, as GSV can be a major impediment to an accurate survey. If vegetation or soil is obscuring an archaeological value, they can be more difficult to locate, or even go unrecorded. Ground visibility (GSV) is classified in the following way:

Table 5 Ground Surface Visibility examples

Ground Visibility			
80%	60%	30%	10%
			

GSV at the site was on average 5%. The ground cover consisted of thick grasses and weeds with only a few bare patches allowing the surface to be seen. The survey effort was significantly hampered by these factors, which may result in heritage values remaining undiscovered in the landscape.

Table 6 Ground Surface Visibility during the survey

Ground Visibility		
80%	15%	0%
		

A field survey of the proposed works areas was undertaken on 22nd of May 2024 to verify the desktop data and to assess the area for any evidence of items of cultural heritage significance. The surveyed area of the proposed works includes the area within the works area identified in Map 1. This area was surveyed on foot as part of a walk through to assess the project site and immediately surrounding area (within public access) for Aboriginal and non-Indigenous cultural heritage values or risks to these values posed by the proposed works. The survey also assessed the proximity of the site to the surrounding landscape features, natural environment, and other built features, for example, waterways, fence lines, gates, culverts, and ditches. The survey traversed areas immediately within publicly accessible areas.

The surveyed area identified 18 stone artefacts inside or immediately adjacent to the works area; (Table 7). While best efforts have been made to accurately record the location of these values, tree cover, and elevation can affect GPS accuracy (Map 5).

Table 7 Heritage Attributes Identified during survey at the proposed works site.

Heritage value	Location Found	Description and Required Action	Image
SA225241	-27.975969, 152.912577	Quartzite Flaked Piece Eralliure Scar on Ventral Surface below platform. Negative flake scars on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	

Heritage value	Location Found	Description and Required Action	Image
SA225242	-27.97598, 152.912575	Quartzite Flake showing a bulb of percussion on the ventral surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	
SA225243	-27.975983, 152.912574	Quartzite flake showing a bulb of percussion on the ventral surface and negative flake scars on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	

Heritage value	Location Found	Description and Required Action	Image
SA225244	-27.97598, 152.912576	Silcrete flaked piece showing negative flake scarring on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	
SA225245		Silcrete flake showing a bulb of percussion on the ventral surface below the platform and negative flake scarring on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	

Heritage value	Location Found	Description and Required Action	Image
SA225246	-27.97599, 152.912571	Chert flaked piece showing a bulb of percussion and ripples on the ventral surface and negative flake scars on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	
SA225247	-27.97609, 152.912328	A Silcrete flaked piece with a bulb of percussion on the ventral surface and flake scar on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	

Heritage value	Location Found	Description and Required Action	Image
SA225248	-27.976183, 152.912326	Quartzite flaked piece showing flake scars on both the ventral and dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	

Heritage value	Location Found	Description and Required Action	Image
SA225249	-27.975939, 152.91256	A large Quartzite core showing a bulb of percussion and ripples on the ventral surface and negative flake scars on the dorsal surface. Traditional Owner liaison is required. See more detailed recommendations in Section 8.	