

NOTICE OF AN APPLICATION FOR PLANNING PERMIT

The land affected by the application is located at:	200 Johnstons Road FORGE CREEK 3875 PtL: 2 LP: 116329
The application is for a permit to:	Use and development of a composting facility, removal of native vegetation, and a dispensation from parking and bicycle parking requirements.
A permit is required under the following clauses of the planning scheme:	
Planning Scheme Clause	Matter for which a permit is required
35.07-1 (FZ)	Use of the land for a composting facility
35.07-4 (FZ)	Construct or carry out a building or works for use of a composting facility
52.06-3	Reduce the number of car parking spaces required to 15
52.17-1	Remove, destroy or lop native vegetation, including dead native vegetation
52.34-2	Waive any requirement of Clause 52.34-5 and Clause 52.34-6
The applicant for the permit is:	Beveridge Williams & Co Pty Ltd
The application reference number is:	5.2025.18.1

You may look at the application and any documents that support the application free of charge at: <https://www.eastgippsland.vic.gov.au/building-and-development/advertised-planning-permit-applications>

You may also call 5153 9500 to arrange a time to look at the application and any documents that support the application at the office of the responsible authority, East Gippsland Shire. This can be done during office hours and is free of charge.

Any person who may be affected by the granting of the permit may object or make other submissions to the responsible authority.

An objection must

- ◆ **be made to the Responsible Authority in writing,**
- ◆ **include the reasons for the objection, and**
- ◆ **state how the objector would be affected.**

The responsible authority must make a copy of every objection available at its office for any person to inspect during office hours free of charge until the end of the period during which an application may be made for review of a decision on the application.

The Responsible Authority will not decide on the application before:	Subject to the applicant giving notice
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If you object, the Responsible Authority will tell you its decision.

Our Reference: 2402481

29 January 2025

Andrew Bates
Acting Coordinator Statutory Planning
East Gippsland Shire Council

Via planning portal

Dear Andrew,

RE: PROPOSED COMPOSTING FACILITY – Lot 2 LP116329 – TOWN PLANNING APPLICATION

Beveridge Williams submits this town planning application on behalf of the permit applicant, East Gippsland Shire Council. The application is for the construction of an aerobic composting facility adjacent to the Bairnsdale Regional Landfill. This will assist to meet the waste disposal needs of the municipality whilst minimising landfill.

Please find attached the following documentation:

- Planning Permit Application form
- Town Planning Report – Beveridge Williams
- Certificate of Title
- Contour Drawings - SMEC
- Detailed Design Drawings – SMEC
- Geotechnical Investigation Report – Ground Science
- Ecological Assessment (Detailed Assessment Pathway) – EthosNRM
- Noise Impact Assessment – Acoustic Compliance
- Odour Assessment – Peter J Ramsay & Associates
- Contact Water Management Plan – SMEC
- Environmental Management Plan – SMEC

We trust this information will enable Council to assess the application. As outlined within the town planning report and specialist reports, the application is respectful of the surrounding rural context and consistent with key planning provisions.

For the reasons outlined above it is respectfully requested that a permit is granted for the composting facility. This will support the waste management needs of the municipality.

Should you have any queries, please do not hesitate to contact the undersigned.

Yours sincerely,

JUSTIN MCDOWELL
Graduate Town Planner
BEVERIDGE WILLIAMS
Enc.

April McDonald

From: Snapforms Notifications <no-reply@snapforms.com.au>
Sent: Wednesday, 29 January 2025 11:49 AM
To: Planning Unit Administration
Subject: Planning Permit application
Attachments: 04 Volume_9135_Folio_107_VicPackageSearch_1732248766.pdf; 03 2402481 - Town Planning Report - 665 Forge Creek Road Forge Creek - Rev 3.pdf; 02 2402481 - 665 Forge Creek Road Forge Creek - Cover Letter.pdf; 06 Dwg_Contour_survey_2023.pdf; 07 Rpt_Geotech_2023_BCF.pdf; 08 Rpt_NativeVeg_Assess_BCF.pdf

Planning Permit Application

A Planning Permit Application' has been submitted via the East Gippsland Shire Council website, the details of this submission are shown below:

Applicant name: Justin McDowell

Email address:

Postal address : 1 Glenferrie Road Malvern Vic 3144

Mobile phone number:

Work phone number: 03 9524 8767

Owner's name: East Gippsland Shire Council

Owner's postal address: 273 Main Street, Bairnsdale VIC

Lot number: 2

Plan number: 116329

Plan type: Plan of subdivision

Please upload a copy of plan: [04 Volume 9135 Folio 107 VicPackageSearch 1732248766.pdf](#)

Has there been a pre-application meeting: Yes

Officer's name: Andrew Bates

Your reference number: Unknown. Meeting held 10:00AM Friday, 22 November 2024 with listed officer

Is there any encumbrance on the Title such as a restrictive covenant, section 173 agreement or other obligation such as an easement or building envelope?: No

Will the proposal result in a breach of a registered covenant restriction or agreement?: No

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Description of proposal - Describe the use, development or other matter which requires a permit: Use and development of a composting facility, removal of native vegetation, and a dispensation from parking and bicycle parking requirements. Please see the Town Planning Report for further details.

Existing conditions - Describe how the land is used and developed now: The allotment is a rural property comprising part of the Bairnsdale Regional Landfill site, that is generally cleared of vegetation. No buildings are currently on the lot. Please see the Town Planning Report for further details.

Estimated cost of development. Note: You may be required to verify this estimate: \$3,500,000 - \$5,000,000

Title (must have been generated within the past 30 days: [04 Volume 9135 Folio 107 VicPackageSearch 1732248766.pdf](#)

Site plan/floor - plan/elevations: [05 DRW 30049148 057 IFT Civil Rev0 20240823 Optimized \(1\).pdf](#)

Planning report: [03 2402481 - Town Planning Report - 665 Forge Creek Road Forge Creek - Rev 3.pdf](#)

1. Supporting information/reports: [12 Rpt Odour Assmt BCF.pdf](#)

2. Supporting information/reports: [02 2402481 - 665 Forge Creek Road Forge Creek - Cover Letter.pdf](#)

3. Supporting information/reports: [06 Dwg Contour survey 2023.pdf](#)

4. Supporting information/reports: [07 Rpt Geotech 2023 BCF.pdf](#)

5. Supporting information/reports: [08 Rpt NativeVeg Assess BCF.pdf](#)

6. Supporting information /reports: [09 Rpt Noise Impact BCF.pdf](#)

7. Supporting information/reports: [10 REP EMP 03 202050117.pdf](#)

8. Supporting information/reports: [11 Rpt WaterManagement 30049148 CWMP 01 20250117.pdf](#)

Who is the invoice to be made out to?: As the applicant is East Gippsland Shire Council, we request that the application fee is waived.

Declaration: Yes

Privacy Statement: Yes

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The Victorian Government acknowledges the Traditional Owners of Victoria and pays respects to their ongoing connection to their Country, History and Culture. The Victorian Government extends this respect to their Elders, past, present and emerging.

REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

VOLUME 09135 FOLIO 107

Security no : 124121536628X
Produced 28/01/2025 05:22 PM

LAND DESCRIPTION

Lot 2 on Plan of Subdivision 116329.
PARENT TITLES :
Volume 09053 Folio 312 to Volume 09053 Folio 313
Created by instrument F987013 05/01/1976

REGISTERED PROPRIETOR

Estate Fee Simple
Sole Proprietor
EAST GIPPSLAND SHIRE COUNCIL
AL434110F 21/10/2014

ENCUMBRANCES, CAVEATS AND NOTICES

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan or imaged folio set out under DIAGRAM LOCATION below.

DIAGRAM LOCATION

SEE LP116329 FOR FURTHER DETAILS AND BOUNDARIES

ACTIVITY IN THE LAST 125 DAYS

NIL

-----END OF REGISTER SEARCH STATEMENT-----

Additional information: (not part of the Register Search Statement)

ADMINISTRATIVE NOTICES

NIL

eCT Control 09861T EAST GIPPSLAND SHIRE COUNCIL
Effective from 21/10/2014

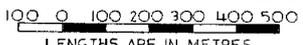
DOCUMENT END

Delivered from the LANDATA System by Dye & Durham Terrain Pty Ltd

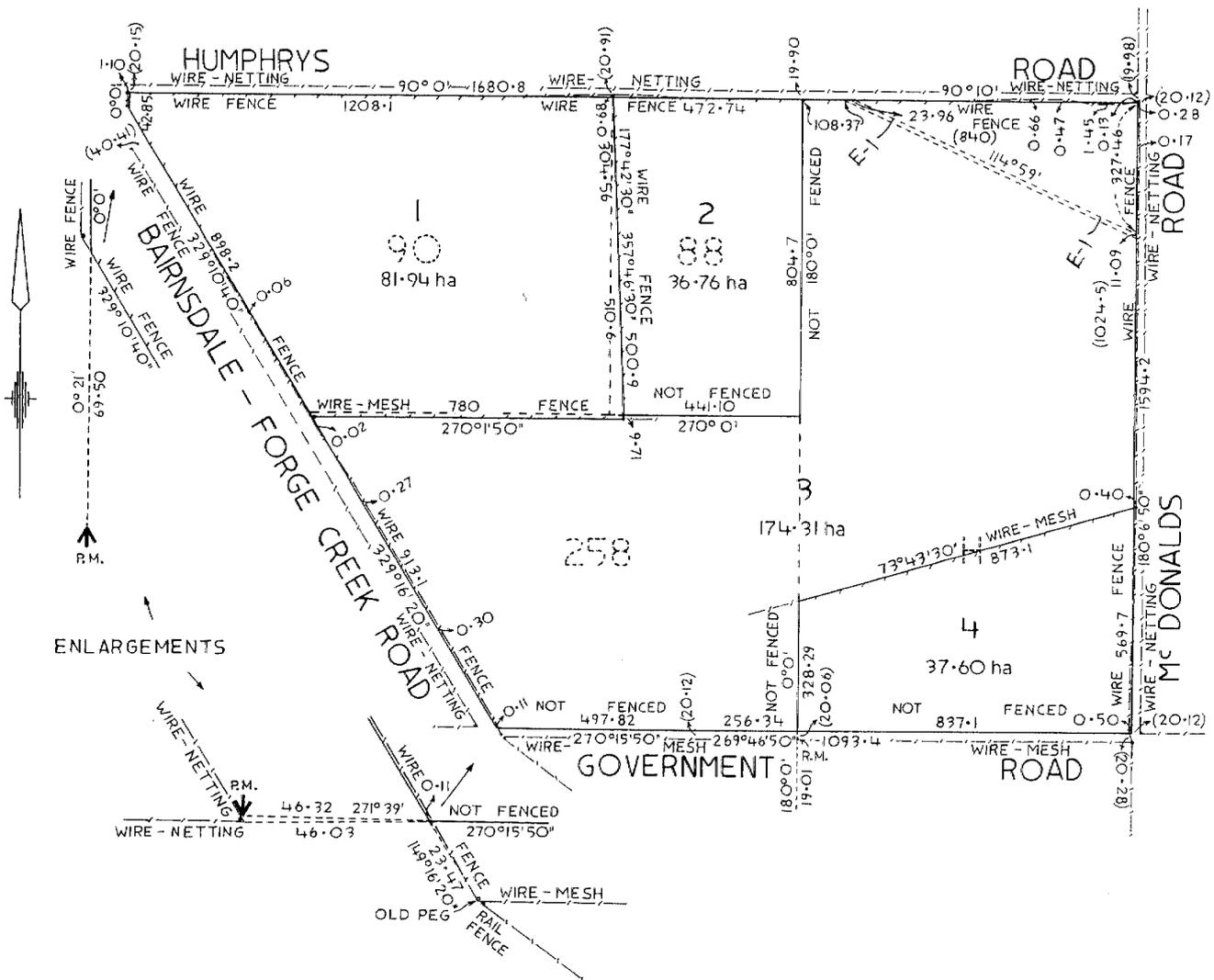
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LP116329
EDITION 1

PLAN OF SUBDIVISION OF: CROWN ALLOTMENTS 88,90,258 & H. PARISH: BAIRNSDALE COUNTY: TANJIL SCALE  LENGTHS ARE IN METRES	APPROPRIATIONS	ENCUMBRANCES & OTHER NOTATIONS THE LAND COLOURED BLUE IS ENCUMBERED BY AN EASEMENT TO S.E.C. OF VICTORIA - SEE REG. N°1883583.

COLOUR CONVERSION
E-1 = BLUE



FOR APPROPRIATIONS, ETC,
SEE BACK HEREOF

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SUBDIVISIONAL
CERTIFICATE OF TITLE V. 5727 F. 247
..... 9053 310 TO 313

**FOR TITLE REFERENCES TO LOTS
SEE PARCELS INDEX**

LP ...116329.....
BACK OF SHEET ...1.....

LODGED BY..... WARREN, GRAHAM AND MURPHY.....
DEALING No..... DATE 12 /AUG./1975..
DECLARED BY..... JOHN RUSSELL CROWTHER.....
ON 14 /NOV./1974..
COUNCIL..... SHIRE OF BAIRNSDALE.....
DATE OF CONSENT 11 /APR./1975.
PLAN MAY BE LODGED..... /..... /.....
PLAN APPROVED. DATE 6 /NOV./1975. TIME 2:50 a.m.
p.m.

ENCUMBRANCES AND OTHER NOTATIONS.

The land coloured blue is encumbered
by an easement to S.E.C. of Victoria -
See Reg. N° 1883583.

Proposed East Gippsland Regional Composting Facility

Town Planning Report

200 Johnstons Road, Forge Creek 3875

Client
East Gippsland Shire Council

Issued
29/01/2025

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Beveridge Williams

Printed 11/02/2025

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Introduction

Beveridge Williams acts on behalf of East Gippsland Shire Council in support of a proposed planning permit application, which seeks a permit to establish a composting facility at 200 Johnstons Road, Forge Creek (part, being Lot 2 LP116329).

The proposed activity is for the establishment of an aerobic composting facility adjacent to the Bairnsdale Regional landfill. The facility is intended to process 25,000t per year of Garden Organics (GO) and mixed Food Organics and Garden Organics (FOGO). The intended process will utilise covered, forced air bunkers for the initial pasteurisation phase of FOGO material before moving to open windrow maturation.

The proposal requires a planning permit under the provisions of the East Gippsland Planning Scheme to use the land for this purpose as well as to undertake buildings and works to construct the composting centre. This report has been prepared by Beveridge Williams to provide an overview of the relevant town planning provisions affecting the site, outline the proposed land-use, and provide a response to key planning considerations.

Subject Site and Context

The application relates to Lot 2 on Local Plan 116329. This allotment is part of 200 Johnstons Road, also known as 665 Forge Creek Road. The site is located approximately 5.8 km south of the Bairnsdale V-Line Railway Station. The northern boundary of the lot forms its frontage, abutting Johnstons Road for a length of 472.74m. The site has a depth of around 804.70m, and an area of 36.76 ha. A review of the certificate of title found that no restrictions, encumbrances or caveats apply to the subject lot. The site is generally cleared of vegetation, other than planted windrows along the western site boundary and site frontage, and centrally to the site. Topography in the area is relatively flat.

The site is located within the broader landholding of the Bairnsdale Regional Landfill, which is located immediately to the east. The surrounding area is generally made up of agricultural properties within the Farming Zone. Extractive industries are located nearby to the east and north. The Bairnsdale Airport is approximately 4.2 km west of the site. Macleod Morass Wildlife Reserve (hunting) is around 1.8km east of the land.

The nearest dwelling is approximately 530 metres to the west at 605 Forge Creek Road, Forge Creek. There are no other dwellings anywhere near the site. The prevailing winds blow from the northwest. The nearest sensitive receptor (dwelling) to the southeast is located at 77 McDonalds Road and is approximately 1.125km (1,125 m) from the proposed operational area.

Aerial Photograph (source: Nearmap 2024)



Subject Site Overview	
Address	200 Johnstons Road, Forge Creek 3875
Planning Scheme	East Gippsland Planning Scheme
Title Particulars	2\LP116329
Title Encumbrances	N/A
Zoning	Farming Zone - Schedule 1 (FZ1)
Overlays	Environmental Significance Overlay - Schedule 1-43 (ESO1-43)
Permit Triggers	<ul style="list-style-type: none"> • Clause 35.07-1 – Use of land for industry within FZ • Clause 35.07-4 – Buildings and works for a Section 2 use within FZ • Clause 52.17 – Removal of native vegetation • Clause 52.06-5 & Clause 52.34 – Dispensation from parking and bicycle parking requirements
Area of Aboriginal Heritage Sensitivity	No
Bushfire Prone Area	Yes
Other Consideration	Extractive Industry Work Authorities (WA) to the west
Referral Authorities	Use land for industry – EPA (determining authority) Removal of native vegetation – DEECA (recommending authority)
Public Notice	No exemptions apply
Applicant	East Gippsland Shire Council
Applicant Contact	Justin McDowell Town Planner Beveridge Williams

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Site Context (source: Nearmap 2024)



The Proposal

It is proposed to use and develop the land for a composting facility, to assist with the in-house processing of organic waste by East Gippsland Shire Council.

Project Context

East Gippsland Shire Council currently collects garden waste (GO) at 11 transfer stations. In the past, this waste was shredded and used to restore landfills, but since the Cann River Landfill closed in 2022, there is less need for this approach. Now, a new way to process garden waste is needed. Under the Victorian Government's *Recycling Victoria* policy, all councils must introduce a kerbside food and garden waste collection (FOGO) by 2030. This means there will be more organic waste to manage locally, especially as Bairnsdale receives the largest amount at 12,000 tonnes a year, contributing to a total of 26,000 tonnes across the region.

To prepare for this, East Gippsland Shire Council plans to roll out a kerbside FOGO collection in 2025, which is expected to add another 4,500 tonnes of food waste each year. The new composting facility will help manage this waste locally, reducing what goes to landfill and cutting down on harmful greenhouse gas emissions. It also meets government policy to keeping garden waste out of landfill, managing fire risks from stockpiled waste, and preventing pollution caused by food waste breaking down without air. The composting facility will provide a practical and sustainable solution for managing garden and food waste in the region.

Project Description

The organic waste to be processed and the new facility includes grass, leaves, plants, branches, tree trunks, vegetables, fruits and seeds, kitchen scraps, paper waste and domestic food waste excluding liquid organic waste, meat, fish & fatty food waste. The facility is anticipated to produce approximately 40,000m³ of organic compost per year, which will be sold off-site in small bags and bulk loads.

Composting falls under the 'industry' land use term as defined in the Table to Clause 73.03 (Land use terms) of the East Gippsland Shire Planning Scheme.

The composting plant will be operated by three permanent staff, 7am-5pm, 7 days per week.

Composting is a managed process where microorganisms break down organic waste. The proposed method starts with a 21-day pasteurisation phase using a forced air-floor system to begin decomposition. After this, the waste is moved to open rows (called windrows) on a hardstand area to mature for about 12 weeks. During this phase, the material is regularly turned for aeration, and moisture is added as needed. The proposed combination of forced air-floor covered composting systems with open-air maturation has been selected for its alignment with the EPA guideline as appropriate for the Site's available buffer distances. Special plant and equipment will be used to support these activities.

Once the compost is stabilised, it will be graded, batched and ready for use or sale.

As shown in the adjacent Proposed Land Use Plan, the facility will require the construction of several components. Traffic, including both Council trucks and private vehicles, will enter the site from Johnstons Road. The proposed entry has been chosen to use existing low points within the site and road reserve and to limit the excavation required for internal works. An internal driveway will connect Johnstons Road to the weighbridge, site office and product storage area. Once the material has been satisfactorily screened and weighed, it will be processed within the composting facility, which includes two composting areas (the forced aeration enclosed composting system and the maturation pad). All loading and unloading activities will be confined to the shed area. Water will be stored in a clean water dam near the entrance of the facility as well as a Class A contact water tank and Class B contact water dam, both of which are towards the south of the land.

ADVERTISED

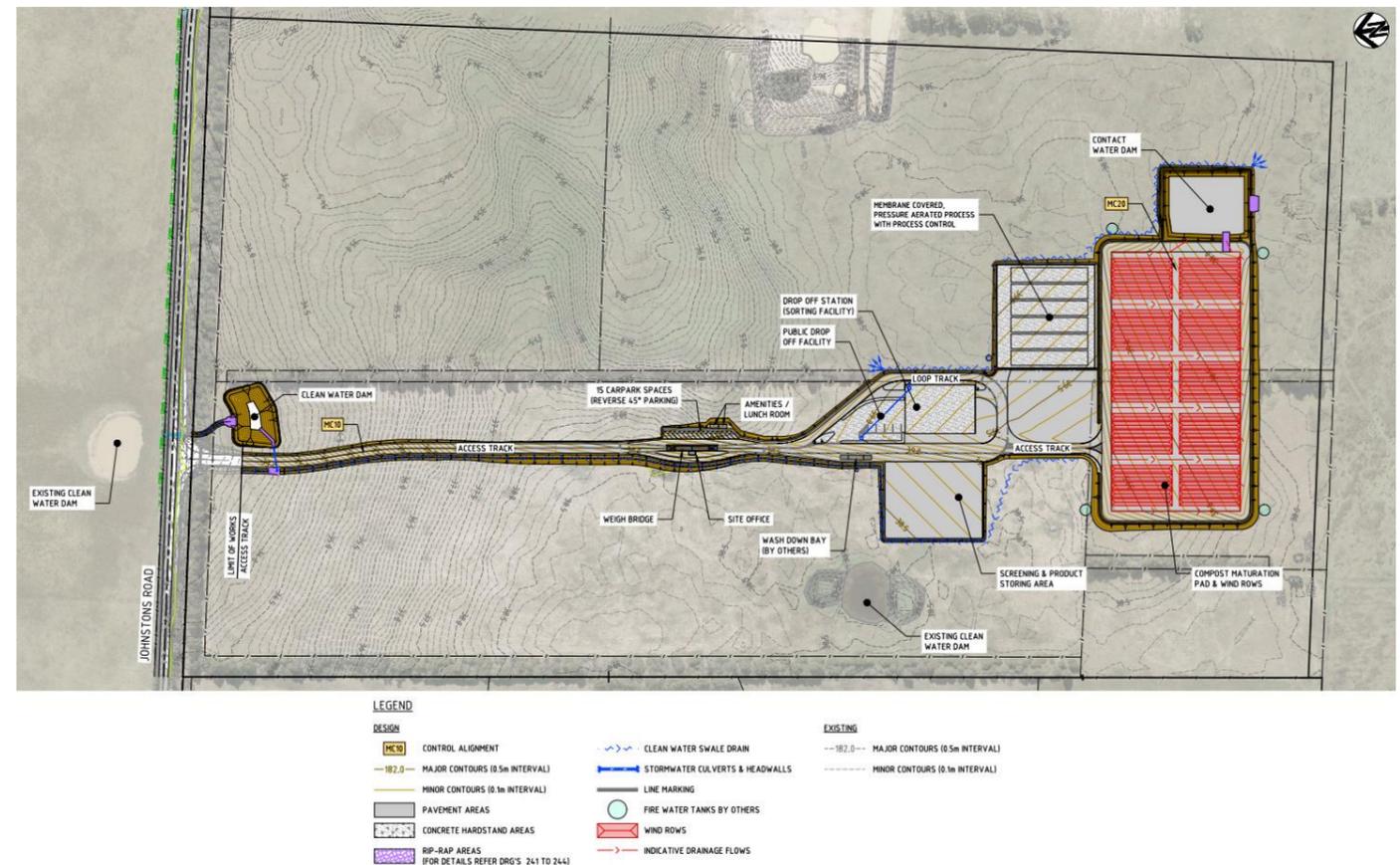
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The proposal has the following proposed key features:

- Site office (and weighbridge)
- Vehicle parking areas
- Drop-off station / sorting facility
- Covered aeration system (compost pasteurisation pad)
- Compost maturation pad (open air windrows)
- Screening and stockpile storage area
- Contact water dam (draining from maturation pad)
- Clean water dam (existing)
- Clean water dam (proposed)
- Main drainage culvert running along boundary (north to south)
- Firefighting water tanks for sprinklers
- Hardstand driveway
- Mobile plant and equipment (excavator(s), wheel loader(s), windrow turner, screen(s))

The proposed facility has been located within the property to maximise separation from sensitive uses, including rural dwellings.

Proposed Land Use Plan (source: SMEC 2025)



Technical Investigations and Background Studies

A number of technical investigations have been undertaken to inform the proposal and this assessment. These are attached to this planning application for reference and a summary is provided below.

A concurrent Development Licence application has been made to the EPA under the *Environment Protection Act 2017*.

Geotechnical

Ground Science undertook geotechnical investigations of the subject site to establish the existing pavement and subsoil profile. This included digging test pits, as well as pavement and shoulder dippings, with laboratory tests conducted on retrieved samples. Ground Science found that:

- Johnstons Road reserve had a fill depth between 200mm to 800mm;
- The subject site currently has poor drainage conditions and 200mm and 400mm topsoil depth;
- The subject site has *Pliocene to Quaternary aged alluvial trace deposits overlying the Pliocene to Pleistocene aged Haunted Hills Formation deposits*

Native Vegetation

Ethos NRM completed a detailed assessment of native vegetation for the proposed composting facility. Ethos NRM found that the site is within the EVC 55 Plains Grassy Woodland, recording 37 indigenous flora species. Much of the vegetation was not native to the region, including widespread weed species, three of which are noxious weeds. The report outlines measures taken to minimise the loss of native vegetation. In particular, the report notes that the key location of native grasses (adjacent to the eastern shelterbelt) has been avoided and the one large tree on the property will be retained. To facilitate the development of the facility, ten patches of native vegetation were assessed, totalling 1.070 ha of proposed removal. A habitat offset will be required to protect suitable habitat external to the land and is available. A Flora and Fauna Guarantee Act application will also be required to remove 20 of the plants.

Noise

Acoustic Compliance Australia conducted an environmental noise impact assessment to predict the noise levels associated with the composting facility. They found that the facility will be compliant with the Noise Protocol targets managed by the EPA. They consider the site to be of low risk, however outlined recommendations for noise levels to be even further reduced. Accordingly, the installation of an earth bund on the western and southern ends around the main high noise source areas has been included in the design as a potential further noise control treatment.

Odour and Dust

Peter J Ramsay & Associates undertook an odour assessment to ensure that the composting facility will maintain the amenity of the area. After conducting preliminary analysis in the form of a Level 1 and Level 2 assessment, a Level 3 odour assessment was undertaken in accordance with the relevant EPA Publication. Using measurements from another composting facility with similar technology, odour dispersion modelling and a comparison to similar assessments, an assessment was made on the potential for odour to be detected. Using a conservative analysis of potential odours, it was found that the proposal satisfies relevant EPA controls, and that the odour exposure risk for all receiving environments is low. The Environmental Management Plan (EMP) contains consideration of odour management, including identifying odour sources, controls, monitoring, and management. The operational management of the site will need to ensure a balanced compost recipe that meets the required parameters.

Dust and bioaerosols can be created during the agitation of organic material while processing. This may occur while grinding, screening, sorting, transporting, or turning organic material. To mitigate dust and bioaerosols emissions at the Site, a range of management measures are proposed including Council will undertake regular wet downs of unsealed roadways and maintain consistent moisture in maturation windrows. Fixed mechanical equipment use to process the raw material is within the shed.

Water, Groundwater and Land Contamination

SMEC Australia Pty Ltd prepared a water balance assessment to estimate the volume of contact water generated and to help determine whether the proposed contact water management options were the most appropriate for the site. A Contact Water Management Plan was also prepared for the proposed composting facility. The report considered potential mitigation and exposure pathways, contact water generation, the proposed water management infrastructure, stormwater, surface-water and regulations associated with managing the water created by the composting process. SMEC outlined the relevant contact water infrastructure and management requirements as well as processes for Council to operate the facility while protecting the surrounding water systems from contamination.

The project has been appropriately designed to manage surface water, groundwater and land contamination. A concrete pad will be used as the feedstock drop-off area. The maturation pad will be built using low-permeability clay (less than 1 x 10⁻⁹ m/s). Feedstock will be mixed in the receival shed, which has its own water capture system that does not involve pasteurisation. Wastewater will be managed through a process of separation, containment, and either reuse or disposal. The contact water system separates runoff from the unpasteurised areas and the pasteurised areas. Contact water from unpasteurised areas will not be applied to material after it has gone through the composting process.

Fire

Circular Resources Australia prepared a Fire Risk Management and Monitoring Plan to assess the risk and manage the potential for fire associated with the operation of the composting facility. The report identified a total of 38 aspects of the project, most of which had medium, low or very low risk. Where necessary, additional controls were specified to appropriately manage fire risk. Council will utilise the fire risk management plan during the operation of the facility. The site will have onsite firefighting equipment and plan, as well as a sprinkler system in the incoming shed and a firefighting water tank. Monitoring will be undertaken of windrows and temperature will be controlled during pasteurisation.

Litter and Waste

As outlined in the EMP, Council will undertake daily inspections for litter, remove contamination from incoming material, as well as inspecting batches post-pasteurisation and while on the maturation pad for litter. Any litter collected, together with any waste generated by staff, and any waste separated from the organic material, will be contained and then disposed of at the adjacent Bairnsdale Landfill.

Greenhouse Gas

A greenhouse gas assessment was carried out to identify emissions from fuel and electricity use during the operation of the proposed facility. By composting organic waste instead of sending it to landfill, the facility is expected to reduce emissions from waste decomposition by around 97%. Furthermore, the facility will have zero Scope 2 emissions, as electricity used will be purchased from renewable sources. Steps to minimise emissions will include turning off equipment and machinery when not in use.

Environmental Management Plan

The Environmental Management Plan (EMP) was prepared to support the Development Licence Application, consistent with EPA guidelines. It shows that the site can be managed in accordance with EPA Victoria requirements, ensure the site is safe and will not negatively impact human health. The EMP also considers risks to ecological receptors in the surrounding environment, providing a framework to guide the performance of the site. The management framework will ensure that the site can be operated in a safe and responsible manner in the long-term.

Planning Assessment

The development of a new composting facility in East Gippsland aligns with Victoria's "Recycling Victoria: A new economy" policy, which aims to divert 80% of waste from landfill by 2030 and reduce greenhouse gas emissions through improved organics processing. This initiative supports state-wide sustainability goals while addressing the unique needs of regional areas.

The proposal is also consistent with the requirements of the East Gippsland Planning Scheme as summarised below.

Planning Policy Framework (PPF)

Clause 02.01 identifies the site as within the Lakes and Coastal sub-region, which has the highest population density of the shire as well as the main commercial centres. Placing the composting facility in this location, and within an appropriate driving distance of Bairnsdale and Paynesville will ensure that the population of the municipality can efficiently access the facility.

Clause 02.02 provides the vision and principles of the Council Plan (2017-2021). The proposed composting centre will improve the sustainability of the community by reducing landfill waste and increase the productivity of the soil where fertiliser produced from the compost is placed. This will also support the economic development of the municipality (**Clause 02.03-6**).

Clause 02.03-2 discusses the need to balance business development with natural landscape values. The proposal will be screened by established trees and vegetation along the road frontage of the property boundary. The proposal manages high-nutrient water created during the composting and ensures that it will not transfer into the surrounding waterways, as outlined within the Contact Water Management Plan (**Clause 02.03-3**).

Supporting **Clause 12.01-1S**, biodiversity will be protected to the greatest extent possible. Vegetation clearing is proposed to the minimum extent necessary, primarily along the site frontage, to allow the facility to be constructed and accessed, and the majority of the land to be cleared is weed-dominated pasture. In addition to the efforts to minimise loss, some offsets will be purchased to ensure there is no net loss of native vegetation (**Clause 12.01-2S**).

In accordance with **Clauses 12.03-1S and 12.03-1L**, there are no waterways located on the subject allotment. Furthermore, SMEC have shown that contact water will be contained within the property, ensuring that waterways remain healthy. This will also assist **Clause 14.02-1S**, which aims to protect waterways.

The land is within a designated bushfire prone area, which is considered by **Clause 13.02-1S**. However, the proposed composting facility does not fall within the uses listed by the Clause and will not result in the congregation of large numbers of people. Accordingly, the proposal does not present a risk to human life or property, satisfying the control. Furthermore, a detailed Fire Risk Management Plan will be implemented.

Pursuant to **Clause 13.04-1S**, we note that no sensitive uses will be established by the project.

Clause 13.05-1S considers noise management. Acoustic Compliance Australia found that the proposal poses a very low risk to human health and the environment when noise control treatments are implemented. Council will be responsible for undertaking these measures as part of their careful operation of the facility.

Clause 13.06-1S aims to manage air quality. Using a variety of assessment methods, Peter J Ramsay and Associates found that the proposal is in accordance with the relevant EPA guidelines and is appropriately separated from dwellings to ensure they are not impacted by odours.

Clause 14.01 considers agriculture within the municipality. The proposed compost facility will not prevent productive agricultural uses on surrounding properties (**Clause 14.01-1S and 14.01-2L**). It will maintain the quality of soil within the ESO1, which is within proximity to the frontage of the property (**Clause 14.01-1L-02**).

Clauses 14.03-1S and 14.03-1L discuss the need to protect natural resources from the encroachment of sensitive uses. The proposed use is considered compatible with the nearby extractive industries and will not hinder any future activities undertaken nearby.

In accordance with **Clause 15.01-6S**, the proposed composting facility is located away from the frontage of the site, ensuring that views from Johnstons Road remain visually appealing. Further, existing vegetation will remain in place, providing screening from the road frontage.

Supporting **Clause 17.03-2S**, the composting facility will be located adjacent to a landfill facility, which is complementary in both purpose and required buffer distances to sensitive uses. The proposal will provide employment opportunities by directly employing three staff and producing and selling fertiliser that can increase the crop yields of local soils (**Clause 17.01-1S**).

Pursuant to **Clause 18.02-5S**, the composting facility can be processed and generated as a by-product of the farming vehicles.

Clause 19.03-5S and 19.03-5L aim to reduce waste and assist with meeting the resource recovery needs of existing communities and is well placed to support growing townships within the sub-coastal region, particularly Bairnsdale and Paynesville. The facility is located in proximity to an existing landfill site, as well as destination locations of the fertiliser to be produced. It minimises impacts on sensitive uses through appropriate separation from these uses as well as implementing suitable procedures. The proposal is environmentally sound, equitable and efficient as it is within an appropriate distance of large, growing towns, which will maximise its long-term efficiency and ensure transport costs are minimised.

Farming Zone - Schedule 1 (FZ1)

The Farming Zone - Schedule 1 (FZ1) aims to support agricultural uses. Relevant to the site, it seeks to:

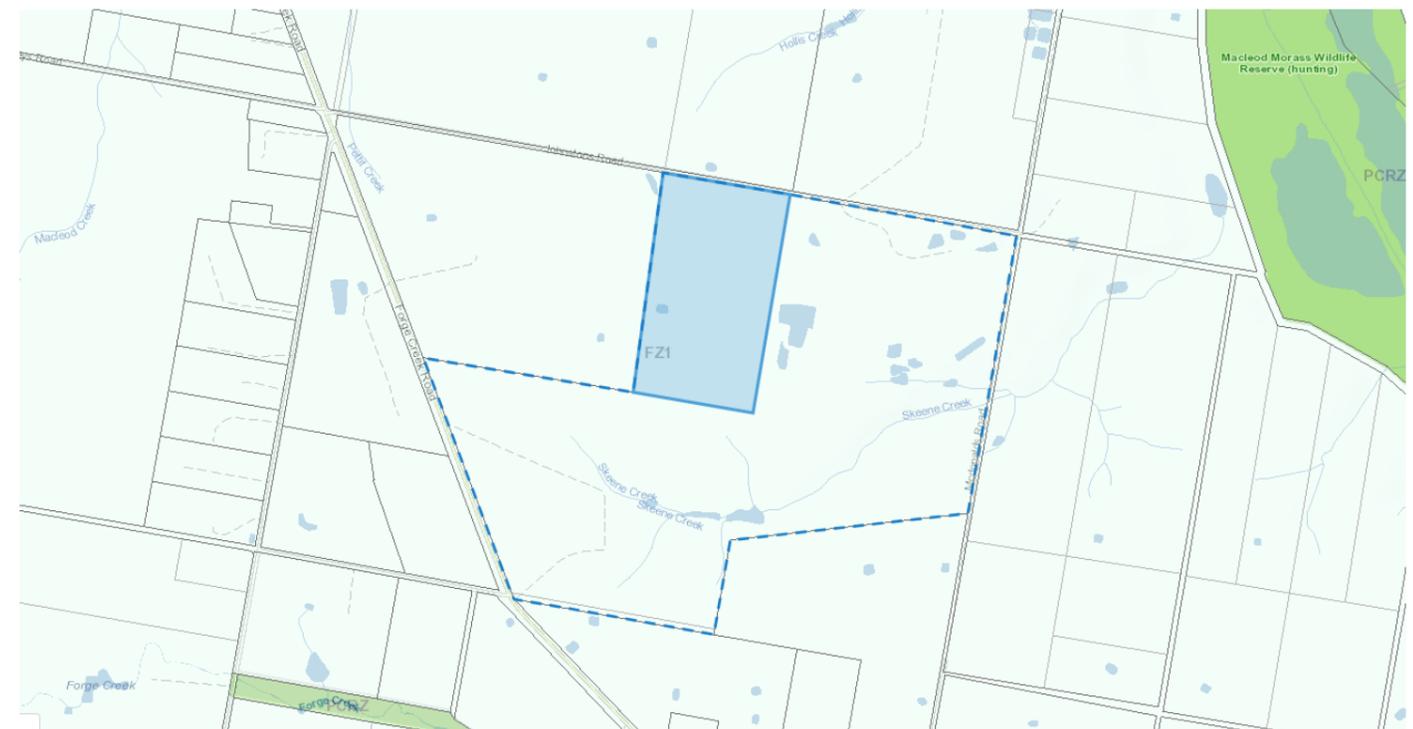
- To ensure that non-agricultural uses, including dwellings, do not adversely affect the use of land for agriculture.
- To encourage the retention of employment and population to support rural communities.

The proposed composting facility is considered compatible with farming uses and will not reduce rural production on adjacent land. Furthermore, the composting plant will directly employ three staff, as well as supporting businesses that sell or use the fertiliser produced on site.

A composting facility is within the land-use category of Industry, which requires a permit under the zone (Clause 35.07-1). Furthermore, buildings and works associated with a section 2 use also require a permit (Clause 35.07-4).

The proposal is in accordance with the decision guidelines at Clause 35.07-6. The composting facility is compatible with surrounding agricultural uses and will not place any restrictions on the future expansion of any productive farming activities. In accordance with EPA guidelines, it is appropriately designed and separated from dwellings, allowing any odours to disperse before reaching homes. SMEC have shown that water utilised in the composting process will be appropriately contained, to ensure that waterway health is supported, and continues to support flora and fauna. On-site effluent will be carefully managed to ensure nutrient loads of waterways remain healthy. The facility will remain visually appealing, as it is well setback from the road and screened by vegetation abutting the fence line of the frontage.

Existing Zone (source: VicPlan 2024)



Environmental Significance Overlay – Schedule 1-43

The Environmental Significance Overlay – Schedule 1-43 aims to identify and protect biological significance within East Gippsland, with the objectives:

- To ensure that development occurs so as not to adversely impact upon the environmental values of the site or any other value that may be identified within the overlay area.
- To conserve and enhance the environmental sustainability and ecological integrity of these values.

ESO1-43 applies specifically to the road reserve and frontage of the subject site, being part of the Goonure Wildlife Corridor, significant for Gippsland Plains Grassy Woodland. Management Practices include:

- Encourage landholders to fence vegetation remnants.
- Develop and encourage application of an appropriate weed control program.
- Encourage cooperative fox control programs which minimise risk to non-target species.
- Encourage application of appropriate fire regime.
- Design a road maintenance strategy which minimises damage to roadside vegetation.
- Encourage parallel plantings on freehold land to widen vegetation corridor.
- Encourage revegetation of any vegetation gaps along the roadside.

A small section of the roadside vegetation will be lost to allow access to the site. Section 3.0 of the schedule states that works carried out on behalf of a municipal council are exempt from requiring a permit.

Notwithstanding, it is noted that works and vegetation removal are minimised to the greatest extent possible to facilitate installing road access to the composting facility. It should be noted that some species, such as Ironbark Eucalyptus tricarpa and Snow Gum E. pauciflora, which are not indigenous to the Red Gum Plains have been planted in this corridor. EGSC intends to plant some screening native vegetation to assist in compensating for the loss of this native vegetation.

Particular Provisions

Clause 52.06-5 requires industry to have 2.9 parking spaces to each 100 sqm of net floor area. 15 parking spaces are provided, supporting 3 staff and visitor parking. A permit for a dispensation from the parking requirement is required. Given the nature of the operations, it is only necessary to provide parking for staff and a limited number of site visitors only, with most traffic being associated with deliveries moving through the site and not requiring parking.

A dispensation from the bicycle parking requirements is sought under **Clause 52.34** given the rural location and unsuitability of the roads for travel by bicycle to this location.

Clause 52.09 applies to applications within 500 m of an extractive industry. It aims to ensure that future stone resources are protected from inappropriate use and development. There are no referral requirements or decision guidelines for non-accommodation uses. This reflects that the proposed use is compatible with any additional extractive industry proposed in the future. The proposal will not hinder the operation of future stone exploration or extraction on nearby land.

Clause 52.17 requires no net loss to biodiversity as a result of the removal of vegetation. The proposal has minimised the loss of native vegetation to the greatest extent possible through design. The main area of native grasses and one large tree on the site will be avoided by the development footprint entirely. Some native vegetation removal is required however, to the minimum extent necessary, to facilitate the development of the facility. Ten patches of native vegetation were assessed, totalling 1.070 ha of removal. This will require an offset of 0.277 General Habitat Units with a minimum strategic biodiversity value of 0.352 at a cost of approximately \$25,000 to \$47,000; these offsets are currently available on the credit register. Further details are provided in section 3.5.7 of the native vegetation assessment.

It is noted that **Clause 52.31** applies to local government projects. Whilst the project has a cost less than \$10M, the proposal is within the land-use category of industry, which does not benefit from municipal permit or notice exemptions.

Clause 53.10 defines those types of industries, which if not appropriately designed and located, may cause offence or unacceptable risk to the surrounding area. Composting is listed under 'Waste, recycling and Resource Recovery' with no threshold distance specified. As such, **Clause 66.02-7** of the VPP notes that EPA is a 'determining' referral authority for applications that seek to use land for industry or warehouse for a purpose listed with no separation distance specified in the table to Clause 53.10-1, Threshold Distance.

Existing Overlays (source: VicPlan 2024)



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Organics Processing Facility at Wangaratta (source: Rural City of Wangaratta 2024)



Conclusion

The proposed composting facility at Lot 2 on Local Plan 116329 (part of 200 Johnstons Road, Forge Creek) will reduce the municipality's dependency on landfill and produce local fertilizer which can be purchased by persons seeking to improve the productivity of the soil.

The proposed composting facility will support Victoria's "Recycling Victoria: A new economy" policy and the planning policy framework (PPF) and is aligned with the vision and principles of the Council Plan. The facility is located within the Lakes and Coast sub-region, where population growth is anticipated by Council, particularly Bairnsdale and Paynesville. Accordingly, the project supports state-wide sustainability goals while addressing the unique needs of the regional area. The facility will benefit East Gippsland by creating local jobs and producing high-quality compost for local use, fostering economic and environmental sustainability.

The facility will be screened from Johnstons Road by vegetation and is well-placed adjacent to the existing landfill facility. Clauses 19.03-5S and 19.03L of the Planning Scheme are particularly relevant to the proposal, highlighting the need to reduce reliance on landfill, while ensuring that the composting facility is separated from sensitive uses.

The proposal is compatible with the farming zone and will not hinder productive agricultural uses on surrounding land. The application considers environmental health and will ensure that nutrients from the facility do not enter waterways.

The proposal has been carefully planned to ensure that noise and odour are appropriately contained. Specialist investigations have shown that the combination of distance from sensitive uses as well as the implementation of technology and procedures will ensure that dwellings and other sensitive uses will maintain their standard of amenity. As a result, residents can expect to enjoy living within the local agricultural environment without disruption.

The Environmental Management Plan provides an analysis of the various risks that will be managed by the project. It outlines processes to be undertaken during the operation of the facility to ensure the composting facility can operate safely and mitigate adverse impacts. It includes appropriate operational requirements for considerations including stormwater management, noise, dust and odour management, as well as for fire risk, and appropriately manage any potential residual impacts.

The planning assessment completed in this report has confirmed that the proposal is consistent with key planning provisions. For the reasons outlined above and throughout this report, the proposal demonstrates a net community benefit, and it is requested that a planning permit be issued to enable the composting facility to promote a circular economy within the municipality whilst respecting other uses within the surrounding agricultural region.

Screening Vegetation to Frontage – View within the site, facing northern frontage (source: BW Site Visit 2024)



Subject Site – View within the site, facing south (source: BW Site Visit 2024)



EAST GIPPSLAND COMPOSTING FACILITY

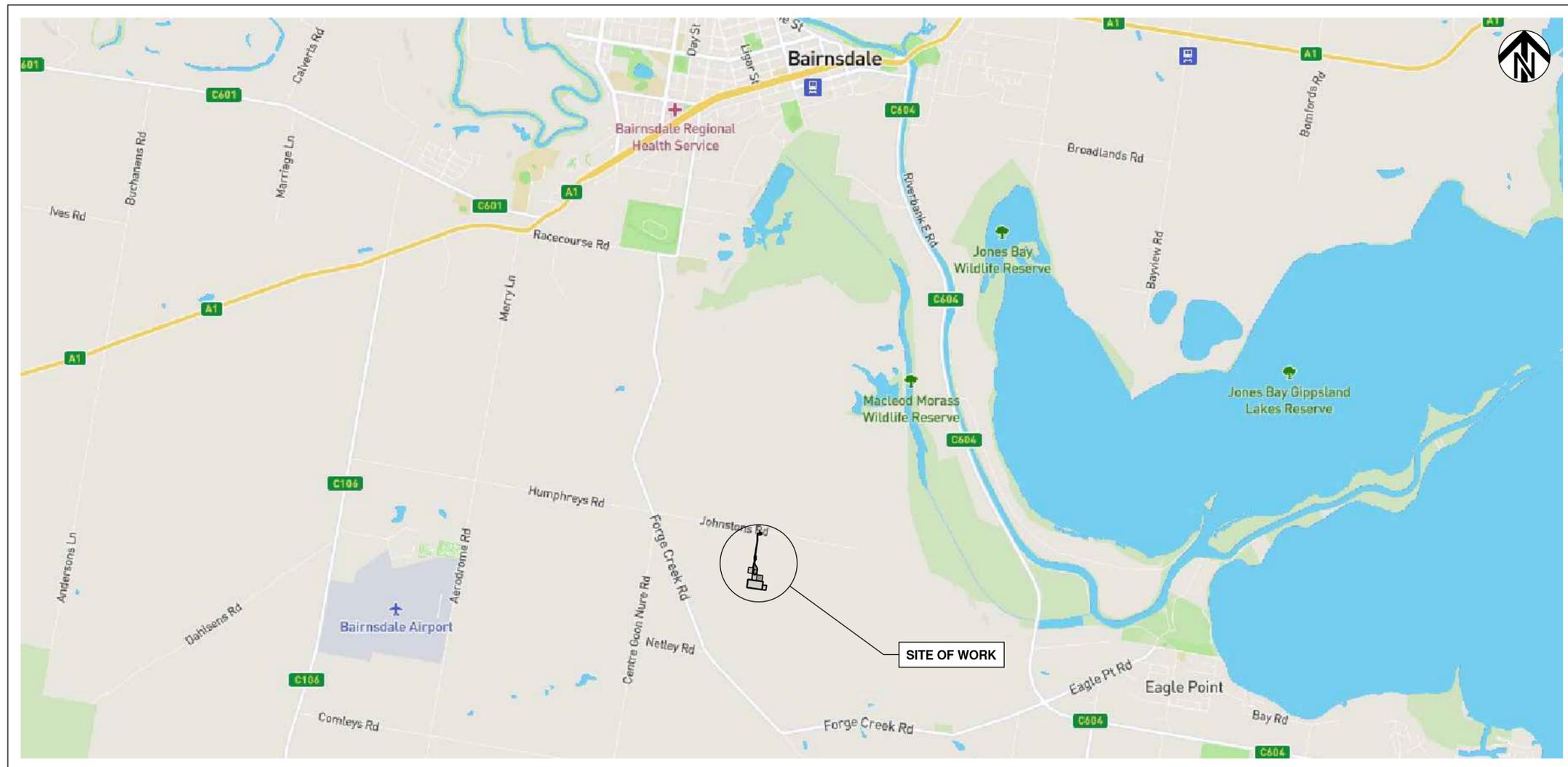
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200 JOHNSTONS RD, FORGE CREEK VIC 3875

EAST GIPPSLAND SHIRE COUNCIL

INTERNAL CIVIL WORKS

DETAILED DESIGN



LOCALITY PLAN
NOT TO SCALE

SOURCE: METROMAP AUGUST 2024

150 mm ON ORIGINAL
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

DRAWING FILE LOCATION / NAME		PLOT DATE		TIME												
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
		01	28.03.24	DRAFT ISSUE	001	B.Q.	DRAFTER	N.HOLE		 an sm company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148	 EAST GIPPSLAND SHIRE COUNCIL	EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY COVER SHEET & LOCALITY PLAN	AS	NOTED	30049148	02
		02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS								
							DESIGNER	N.HOLE								
							DESIGN CHECK	K.BEARD								
							PROJECT MANAGER	B.QUILL								
							PROJECT DIRECTOR	W.MOSSE								

DETAIL DESIGN

DRAWING LIST	
DRAWING No.	DRAWING NAME
30049148-201	COVER SHEET & LOCALITY PLAN
30049148-202	DRAWING SCHEDULE
30049148-203	GENERAL NOTES - SHEET 1
30049148-204	GENERAL NOTES - SHEET 2
30049148-205	EXISTING SITE PLAN
30049148-206	SEDIMENT & EROSION CONTROL PLAN
30049148-207	SEDIMENT & EROSION CONTROL DETAILS
30049148-211	GENERAL ARRANGEMENT PLAN
30049148-215	BULK EARTHWORKS PLAN - SHEET 1
30049148-216	BULK EARTHWORKS PLAN - SHEET 2
30049148-221	DETAIL PLAN - SHEET 1
30049148-222	DETAIL PLAN - SHEET 2
30049148-223	DETAIL PLAN - SHEET 3
30049148-224	DETAIL PLAN - SHEET 4
30049148-225	DETAIL PLAN - SHEET 5
30049148-231	PAVEMENT PLAN - SHEET 1
30049148-232	PAVEMENT PLAN - SHEET 2
30049148-233	PAVEMENT DETAILS
30049148-234	PAVEMENT NOTES
30049148-235	SETOUT PLAN - SHEET 1
30049148-236	SETOUT PLAN - SHEET 2
30049148-241	TYPICAL SECTIONS - SHEET 1
30049148-242	TYPICAL SECTIONS - SHEET 2
30049148-243	TYPICAL SECTIONS - SHEET 3
30049148-244	TYPICAL SECTIONS - SHEET 4

DRAWING LIST	
DRAWING No.	DRAWING NAME
30049148-251	LONGITUDINAL SECTIONS - CONTROL (MC10)
30049148-252	LONGITUDINAL SECTIONS - CONTROL (MC10 & MC20)
30049148-253	LONGITUDINAL SECTIONS - CONTROL (AT10 & AT20)
30049148-254	LONGITUDINAL SECTIONS - CONTROL (MP10, PD20 & PD30)
30049148-255	LONGITUDINAL SECTIONS - KERB RETURNS - SHEET 1
30049148-256	LONGITUDINAL SECTIONS - KERB RETURNS - SHEET 2
30049148-257	LONGITUDINAL SECTIONS - DAMS, SWALE & CULVERT
30049148-261	SITE SECTIONS - CONTROL (MC10) - SHEET 1
30049148-262	SITE SECTIONS - CONTROL (MC10) - SHEET 2
30049148-263	SITE SECTIONS - CONTROL (MC10) - SHEET 3
30049148-264	SITE SECTIONS - CONTROL (MC10) - SHEET 4
30049148-265	SITE SECTIONS - CONTROL (MC10) - SHEET 5
30049148-266	SITE SECTIONS - CONTROL (MC10) - SHEET 6
30049148-267	SITE SECTIONS - CONTROL (MC10) - SHEET 7
30049148-271	SITE SECTIONS - CONTROL (MC20) - SHEET 1
30049148-272	SITE SECTIONS - CONTROL (MC20) - SHEET 2
30049148-273	SITE SECTIONS - CONTROL (MC20) - SHEET 3
30049148-291	VEHICULAR TURNING MOVEMENTS - SHEET 1
30049148-292	VEHICULAR TURNING MOVEMENTS - SHEET 2
30049148-293	VEHICULAR TURNING MOVEMENTS - SHEET 3

150 mm ON ORIGINAL

A1
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME														
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE	SCALE	PHASE	PROJECT / DRAWING No.	REVISION		
				01	28.03.25	DRAFT ISSUE	001	B.Q	DRAFTER	N.HOLE		 <p>© SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148</p>	 <p>EAST GIPPSLAND SHIRE COUNCIL</p>	EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY DRAWING SCHEDULE	AS	NOTED	TENDER	30049148-202	02	
				02	23.08.24	ISSUED FOR TENDER	002	B.Q	DRAFTING CHECK	Z.HUMPHREYS										
									DESIGNER	N.HOLE										
									DESIGN CHECK	K.BEARD										
									PROJECT MANAGER	B.QUILL										
									PROJECT DIRECTOR	W.MOSSE										

DETAIL DESIGN

1. GENERAL NOTES

- 1.1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATIONS FOR OTHER DISCIPLINES AND ANY SITE SPECIFIC DOCUMENTS PROVIDED BY THE PRINCIPAL.
- 1.2. IF THE CONTRACTOR HAS ANY QUESTIONS, REQUIRES CLARIFICATION OF ANY ISSUES, OR FINDS ANY DISCREPANCIES WITHIN THESE DRAWINGS OR DOCUMENTATION FROM OTHER DISCIPLINES, THE CONTRACTOR SHALL SEEK CLARIFICATION FROM THE PRINCIPAL BEFORE PROCEEDING.
- 1.3. THE CONTRACTORS WORK AREA IS CONFINED TO THE SITE AND THE AREA OF WORKS SHOWN ON THESE DRAWINGS (UNLESS NOTED OTHERWISE) AND ANY REQUIREMENT OF COUNCIL.
- 1.4. ALL SET OUT DIMENSIONS SHOWN SHALL BE VERIFIED BY THE CONTRACTOR ON SITE BEFORE WORK COMMENCES. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS SHOWN ON ANY WORK AS EXECUTED INFORMATION PROVIDED.
- 1.5. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE. ALL LEVELS ARE IN METRES (AHD) UNLESS NOTED OTHERWISE.
- 1.6. ALL MATERIALS AND WORKMANSHIP USED IN THE CONSTRUCTION OF THIS DESIGN SHALL BE IN ACCORDANCE WITH ALL RELEVANT CURRENT AUSTRALIAN STANDARDS AND VICTORIAN WASTE REGULATIONS.
- 1.7. WORKS MUST COMPLY WITH THE SITE ENVIRONMENTAL PROTECTION LICENCE.
- 1.8. DURING CONSTRUCTION THE WORKS SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING AND BATTERS SHALL BE PROVIDED BY THE CONTRACTOR TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- 1.9. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT SO THAT AT ANY TIME ADJACENT SITES ARE NOT DEPRIVED OF AN ALL-WEATHER ACCESS OR SUBJECTED TO ADDITIONAL OR POLLUTED STORM WATER RUNOFF DURING THE PERIOD OF CONSTRUCTION.
- 1.10. PROTECT OTHER EXISTING STRUCTURES, PAVEMENTS, SERVICES, ETC THAT MAY BE IMPACTED BY THE WORKS. STAGE AND/OR CARRY OUT TEMPORARY WORKS TO PREVENT DAMAGE TO EXISTING STRUCTURES. ADVISE THE PRINCIPAL IF ANY DAMAGE OCCURS TO EXISTING STRUCTURES. ALL RECTIFICATION WORKS TO BE CARRIED OUT BY THE CONTRACTOR AT THEIR EXPENSE.
- 1.11. ALL EXISTING STRUCTURES, IMPROVEMENTS, STOCKPILES, RUBBISH AND DEBRIS NOT REQUIRED AS PART OF THE COMPLETED WORKS SHALL BE REMOVED UNLESS DIRECTED OTHERWISE BY THE PRINCIPAL.
- 1.12. ALL NEW WORKS SHALL MAKE A SMOOTH TRANSITION WITH EXISTING WORKS.
- 1.13. THE RESPONSIBILITY FOR MANAGING SURFACE WATER WITHIN THE AREA OF WORKS SHALL REST WITH THE CONTRACTOR FOR THE DURATION OF THE CONTRACT.
- 1.14. ON COMPLETION OF THE WORK AND PRIOR TO HANDING OVER TO THE PRINCIPAL, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY STRUCTURES, FENCES, HOARDINGS, SERVICES, PLANT AND EQUIPMENT, ALL SURPLUS MATERIALS AND DEBRIS AND CLEAN THE SITE.
- 1.15. THE CONTRACTOR SHALL NOTE THAT PARTS OF THE SITE HAVE BEEN FILLED WITH A WIDE RANGE OF WASTE MATERIALS AND THE SITE SHOULD BE CONSIDERED AS A HAZARDOUS AREA AS DEFINED IN AS/NZS 60079, DUE TO POTENTIAL PRESENCE OF LANDFILL GAS (METHANE AND CARBON DIOXIDE) AT THE SITE, AND THE POTENTIAL FOR OTHER MATERIAL SUCH AS ASBESTOS AS PRESCRIBED IN NSW WORK HEALTH AND SAFETY LEGISLATION AND VIC SAFEWORK GUIDANCE AND CODES OF PRACTICE. THE CONTRACTOR SHALL EXERCISE ALL DUE CAUTION WHEN UNDERTAKING WORKS, CONSIDERING POTENTIAL LANDFILL GAS EMISSIONS.
- 1.16. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THEIR WORKERS AND VISITORS TO THE SITE.

2. QUALITY ASSURANCE, HEALTH & SAFETY

- 2.1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT WORK HEALTH & SAFETY LEGISLATION IN VIC.
- 2.2. THE CONTRACTOR SHALL SATISFY THE REQUIREMENTS OF THE ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) AND OHS&S REQUIREMENTS FOR THE SITE.
- 2.3. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTAL MANAGEMENT SYSTEM TO DEVELOP A CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP). THE CEMP SHALL BE APPROVED BY THE PRINCIPAL PRIOR TO WORKS COMMENCING.
- 2.4. THE CONTRACTOR SHALL PREPARE A SEDIMENT AND EROSION CONTROL PLAN CERTIFIED BY, TO BE APPROVED BY THE PRINCIPAL PRIOR TO WORKS COMMENCING.
- 2.5. SEDIMENT AND EROSION CONTROL PLAN TO BE PREPARED IN ACCORDANCE WITH
- 2.6. IECA Best Practice Erosion & Sediment Control
- 2.7. The Site's Environmental Protection Licence
- 2.8. The Site's DA conditions
- 2.9. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN A QUALITY ASSURANCE SYSTEM MEETING THE REQUIREMENTS OF ISO 9001. THE QUALITY SYSTEM SHALL BE SUCH THAT RECORDS ARE KEPT OF ALL ASPECTS AND STAGES OF THE WORK.
- 2.10. THE RECORDS FOR EACH CONSTRUCTION TASK SHALL BE STAGED AND ITEMISED TO THE SATISFACTION OF THE PRINCIPAL. THE PROFORMAS SHALL BE SUBMITTED TO THE PRINCIPAL FOR APPROVAL AND WORK SHALL NOT COMMENCE UNTIL SUCH APPROVAL HAS BEEN GIVEN.
- 2.11. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ACCURATE AND UP TO DATE RECORDS AND SHALL MAKE SUCH RECORDS AVAILABLE TO THE PRINCIPAL IF REQUESTED. FAILURE TO MAINTAIN RECORDS AS SPECIFIED WILL RESULT IN THE CONTRACTOR NEEDING TO ARRANGE FOR RE-INSPECTION OF COMPLETED WORKS, IF INSTRUCTED TO DO SO BY THE PRINCIPAL AT THE CONTRACTORS EXPENSE.
- 2.12. AT THE COMPLETION OF EACH STAGE OF THE WORKS THE CONTRACTOR SHALL CERTIFY IN WRITING THAT THOSE WORKS HAVE BEEN UNDERTAKEN AND COMPLETED IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATION AND INSTRUCTIONS ISSUED DURING THE COURSE OF THE CONTRACT.
- 2.13. THE CONTRACTOR SHALL SUBMIT SAFE WORK METHOD STATEMENTS TO THE SATISFACTION OF THE PRINCIPAL PRIOR TO THE COMMENCEMENT OF WORK.

3. SURVEY AND BASE DATA

- 3.1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- 3.2. ALL SURVEY SET OUT SHALL BE UNDERTAKEN BY A REGISTERED SURVEYOR.
- 3.3. WHERE THE CONTRACTOR UTILISES DIGITAL DESIGN FILES, THE PRINCIPAL DOES NOT WARRANT THESE AS AN ACCURATE REPRESENTATION OF THE FINAL DESIGN. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED WITHIN PRIOR TO COMMENCING WORKS.
- 3.4. AT LEAST TWO WEEKS PRIOR TO COMMENCING WORKS THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND IDENTIFY ANY DISCREPANCIES, OMISSIONS ON CHANGES SINCE THE DATE OF SURVEY. PROVIDE PROPOSED REMEDIAL MEASURES (IF REQUIRED) TO THE PRINCIPAL FOR REVIEW AND APPROVAL. AS A MINIMUM THE CONTRACTOR SHALL UNDERTAKE A VERIFICATION SURVEY OF THE EXISTING SITE TO CONFIRM THE DESIGN TIE INS.
- 3.5. THE STABILITY OF EXCAVATION BATTERS TO BE INSPECTED BY A GEOTECHNICAL ENGINEER DURING THE BULK OUT WORKS TO ENSURE THAT THE BATTERS ARE STABLE TO ALLOW THE SAFE COMPLETION OF THE BULK OUT WORKS.
- 3.6. ALL BOUNDARIES SHOWN ARE FOR INFORMATION ONLY.
- 3.7. THE EXACT LOCATION AND LEVEL SHOWN ON THE DESIGN PLANS MAY NOT MATCH EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL VERIFY DESIGN ON-SITE PRIOR TO CONSTRUCTION.

4. DOCUMENTATION

- 4.1. THE PREFERENTIAL ORDER OF DOCUMENTATION SHALL BE AS FOLLOWS:
 - 4.1.1. THESE PLANS INCLUDING NOTES CONTAINED WITHIN.
 - 4.1.2. THE PRINCIPAL'S CONSTRUCTION AND MATERIAL SPECIFICATIONS.
 - 4.1.3. AUSTRALIAN STANDARDS.
 - 4.1.4. THE EPL AND VIC WASTE REGULATIONS
 - 4.1.5. RELEVANT EAST GIPPSLAND SHIRE COUNCIL (EGSC) SPECIFICATIONS.
 - 4.1.6. INDUSTRY GUIDELINES AND BEST PRACTICE.

5. FOUNDATION AND SITE PREPARATION

- 5.1. TOPSOIL SHALL BE STRIPPED AND STOCKPILES SEPERATELY FOR POSSIBLE RE-USE. REMOVE SOFT, WATER AFFECTED MATERIAL AND EXCAVATE TO A STABLE WORKING BASE.
- 5.2. SITE PREPARATION: A MINIMUM OF 10 PASSES OF THE PROOF ROLLER ARE REQUIRED TO REVEAL ANY SOFT SPOTS IN THE SUBGRADE.
- 5.3. ALL EXCAVATIONS ARE TO BE FREE OF WATER PRIOR TO THE PLACEMENT OF ADDITIONAL MATERIALS

6. CONSTRUCTION MATERIALS

- 6.1. MATERIALS AND WORKMANSHIP SHALL BE SUITABLE FOR PURPOSE AND UNLESS OTHERWISE SPECIFIED SHALL CONFORM TO ALL RELEVANT PRINCIPAL STANDARDS AND ACHIEVE THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATION. TESTING RESULTS ARE TO BE PROVIDED TO THE PRINCIPAL FOR APPROVAL AT LEAST 10 DAYS PRIOR TO IMPORTING MATERIAL ONTO THE SITE.
- 6.2. SUFFICIENT NOTICE SHALL BE GIVEN BY THE CONTRACTOR TO THE PRINCIPAL TO ENABLE ANY MATERIALS THAT ARE BROUGHT ONTO THE SITE TO BE EXAMINED. ALL MATERIALS ARE TO BE SUITABLY STACKED OR STOCKPILED TO FACILITATE EXAMINATION.
- 6.3. WHERE THE CONTRACTOR SUPPLIES MATERIALS OF A MIXED OR POOR QUALITY, THE PRINCIPAL HAS THE AUTHORITY TO REQUIRE THE CONTRACTOR TO ISOLATE AND STACK THOSE MATERIALS WHICH IN HIS OPINION ARE SUITABLE FOR THE WORKS, AND TO HAVE THOSE UNSUITABLE REMOVED FROM THE SITE OF THE WORKS AND REPLACED WITH SUITABLE MATERIAL AT THE CONTRACTORS EXPENSE.
- 6.4. ALL PROPRIETARY MATERIALS SHALL BE STORED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. ALL WARRANTIES SHALL BE TRANSFERRED TO PARTY NOMINATED BY THE PRINCIPAL. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE SUPPLIER HAS PROVIDED MATERIALS THAT ARE APPROPRIATE FOR THE INTENDED USE AND IN-SITU LOADINGS.
- 6.5. ALL CONSTRUCTION MATERIALS SHOULD BE CERTIFIED BY THE SUPPLIER AS CONFORMING TO THE REQUIREMENTS SPECIFIED.
- 6.6. ALL IMPORTED MATERIALS SHALL BE FREE FROM CONTAMINATION AND CAN BE LAWFULLY PLACED AS FILL MATERIALS AS SPECIFIED IN VIC EPA INDUSTRIAL WASTE RESOURCE GUIDELINES. CERTIFICATION SHALL BE PROVIDED WHERE REQUESTED BY THE PRINCIPAL.
- 6.7. ALL EARTHWORKS SHALL BE UNDERTAKEN WITH INDEPENDENT LEVEL 1 GEOTECHNICAL SUPERVISION IN ACCORDANCE WITH AS 3798-2007 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS. UNDERTAKE ALL TESTING TO THE FOLLOWING AUSTRALIAN STANDARDS (AS):
 - AS 114.3 METHODS FOR SAMPLING AND TESTING AGGREGATES - SAMPLING OF AGGREGATES AND ROCK.
 - AS 114.11 METHODS FOR SAMPLING AND TESTING AGGREGATES - PARTICLE SIZE DISTRIBUTION BY SIEVING.
 - AS 114.123 METHODS FOR SAMPLING AND TESTING AGGREGATES - LOS ANGELES VALUE.
 - AS 1289 METHODS OF TESTING SOILS FOR ENGINEERING PURPOSES
 - AS 1289.3.6.1 SOIL CLASSIFICATION TESTS - DETERMINATION OF THE DRY DENSITY/MOISTURE CONTENT RELATION OF A SOIL USING STANDARD COMPACTIVE EFFORT.
 - AS 1289.5.8.1 SOIL COMPACTION AND DENSITY TESTS - DETERMINATION OF FIELD DENSITY AND FIELD MOISTURE CONTENT OF A SOIL USING A NUCLEAR SURFACE MOISTURE-DENSITY GAUGE - DIRECT TRANSMISSION MODE.
 - ALL OTHER STANDARDS AS REQUIRED TO COMPLETE THE WORK.

6.8 MATERIAL SPECIFICATIONS ARE AS FOLLOWS:

MATERIAL SPECIFICATION			
ITEM	COMPACTION	SPECIFICATION	MAX. LAYER THICKNESS
GENERAL FILL	95% MODIFIED 60-90% OMC 1 TEST PER 80m, WITH 3 ADDITIONAL NUCLEAR DENSITY TESTS EACH 80m	MINIMUM CBR OF 3%	150mm
		FREE FROM ORGANICS AND DELETERIOUS MATERIALS	
		ROCK MATERIAL MUST BY BROKEN DOWN TO SMALLER SIZED PARTICLES & EVENLY DISTRIBUTED THROUGHOUT THE LAYER TO PREVENT THE FORMATION OF VOIDS & TO PRODUCE A DENSE COMPACT EMBANKMENT	
		MAXIMUM PARTICLE SIZE 200mm	
		% PASSING 37.5mm AS SIEVE >60%	
SELECT FILL	98% MODIFIED 95-102% OMC 1 TEST PER 80m, WITH 3 ADDITIONAL NUCLEAR DENSITY TESTS EACH 80m	- % PASSING 53mm AS SIEVE 100%	150mm
		% FINES (<0.075mm AS SIEVE) <30%	
		6 < PLASTICITY INDEX < 25	
		CBR > 5	
FINE CRUSHED ROCK	98% MMDD	TO ARRB SR41	150mm
COMPACTED CLAY LINER	98% MODIFIED COMPACTED IN RANGE OF 0 TO +2% OMC	PERMEABILITY 1x10-9 m/s	300mm
		% PASSING 75mm AS SIEVE >25%	
		PLASTICITY INDEX < 10	
		30 < LIQUID LIMIT <60 OR AS APPROVED BY GEOTECHNICAL ENGINEER	

7. SERVICES

- 7.1. THE CONTRACTOR SHALL UNDERTAKE A DIAL BEFORE YOU DIG SEARCH FOR SERVICES BEFORE COMMENCING WORKS.
- 7.2. SERVICES SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY AND MAY NOT BE A COMPLETE REPRESENTATION OF THE SITE.
- 7.3. THE CONTRACTOR SHALL PREPARE A SAFE WORK METHOD STATEMENT FOR ANY WORKS AROUND SERVICES, WHICH MAY INCLUDE HAND EXCAVATION TO CONFIRM SERVICES LOCATION AND DEPTH IN AREAS IMPACTED BY THE WORKS.
- 7.4. THE CONTRACTOR SHALL LOCATE, EXPOSE BY NON-DESTRUCTIVE MEANS, LOCATE BY SURVEY AND IDENTIFY ALL UNDERGROUND SERVICES CROSSING THE WORKS AREA PRIOR TO THE COMMENCEMENT OF WORK AND SHALL REPAIR ANY DAMAGE CAUSED TO SUCH SERVICES DURING THE COURSE OF THE WORKS.
- 7.5. ALL SERVICES ENCOUNTERED SHALL BE IDENTIFIED AND NOTED ON WORK AS EXECUTED (WAE) DRAWINGS AT THE COMPLETION OF THE PROJECT. ALL EXPOSED SERVICES SHALL BE SURVEYED WITH DEPTH, LOCATION AND SIZE INCLUDED ON THE WAE PLANS AND DIGITAL FILES.
- 7.6. THE CONTRACTOR SHALL RELOCATE ALL SERVICES REQUIRED TO COMPLETE THE WORKS. THIS INCLUDES THE PROVISION TO PROVIDE TEMPORARY SUPPLY DURING THE WORKS, AUTHORITY LIAISON AND RECONNECTION.
- 7.7. OVERHEAD POWER LINES ARE LOCATED WITHIN AND/OR PROXIMAL TO THE WORKS. THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS FROM THE RELEVANT INSTITUTIONS TO CONDUCT THE WORKS IN ACCORDANCE WITH REGULATORY REQUIREMENTS
- 7.8. ALL SERVICES ARE INDICATIVE ONLY. ALL SERVICES ARE TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION OR INVESTIGATION WORKS.
- 7.9. "DIAL BEFORE YOU DIG" - 1100
IT IS ESSENTIAL THAT BEFORE ANY EXCAVATION WORK IS UNDERTAKEN, FURTHER INVESTIGATION INTO THE LOCATION OF SERVICES SHOULD BE CARRIED OUT WITH THE RELEVANT AUTHORITY.
- 7.10. PRIVATE ASSETS
THE CONTRACTOR SHALL CONTACT THE APPROPRIATE PERSONS FOR UTILITY INFORMATION WHICH WILL NOT BE INDICATED WITHIN 'DIAL BEFORE YOU DIG' SEARCHES AND DOCUMENTATION.

8. GENERAL EARTHWORKS

- 8.1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3799
- 8.2. A GEOTECHNICAL REPORT WAS PREPARED AS PART OF THE DETAILED DESIGN PROCESS. FINDINGS OF LIMITED GEOTECHNICAL REPORT ARE MADE IN THE FOLLOWING REPORT: GEOTECHNICAL INVESTIGATION REPORT: EGSC COMPOST FACILITY (GROUND SCIENCE, 2023). THE CONTRACTOR SHALL MAKE THEIR OWN ASSESSMENT OF GEOTECHNICAL CONDITIONS AT THE SITE AND MAKE ALL ALLOWANCE TO COMPLETE THE WORKS.
- 8.3. ALL SURPLUS EXCAVATED MATERIAL SHALL BE STORED ON SITE AS DIRECTED BY THE PRINCIPAL. ANY MATERIAL TO BE DISPOSED FROM SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH EPA GUIDELINES AND ONLY AS DIRECTED BY THE PRINCIPAL. THE CONTRACTOR SHALL PROVIDE CERTIFICATION OF ALL DISPOSED MATERIAL PRIOR TO REMOVAL FROM SITE.
- 8.4. FOLLOWING RAINFALL, THE PRINCIPAL SHALL INSPECT ALL EXPOSED SURFACES AND ADVISE ANY REMEDIAL WORKS REQUIRED.
- 8.5. THE CONTRACTOR SHALL PROGRAMME THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLER MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED BY THE CONTRACTOR AT THEIR COST.
- 8.6. THE CONTRACTOR SHALL AT THEIR OWN EXPENSE DO ALL THINGS NECESSARY TO DIVERT ANY WATER INTERFERING WITH THE PROGRESS OF WORKS.
- 8.7. WHERE DIRECTED BY THE PRINCIPAL THE BOTTOM OF TRENCHES OR EXCAVATIONS SHALL BE COMPACTED PRIOR TO THE PLACING OF ANY BEDDING OR CONCRETE MATERIALS. SHOULD, IN THE OPINION OF THE PRINCIPAL, THE FOUNDATION MATERIAL BE INCAPABLE OF EFFECTIVE COMPACTION, THE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROPRIATE MATERIAL.
- 8.8. THE LENGTH OF OPEN EXCAVATIONS ADJACENT TO EXISTING STRUCTURES SHALL BE MINIMISED. EXCAVATIONS SHALL NOT BE LEFT OPEN DURING WET WEATHER. THE CONTRACTOR SHALL CONFIRM THE STABILITY OF ALL EXCAVATION AND/OR ADVISE ON ANY SHORING OR OTHER CONTROL MEASURES NECESSARY.
- 8.9. WHERE UNEXPECTED GROUNDWATER IS ENCOUNTERED IN EXCAVATIONS, ADVICE SHALL BE SOUGHT FROM THE PRINCIPAL.
- 8.10. EXCAVATION WORKS MAY ENCOUNTER LANDFILL WASTES. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR APPROPRIATE CHARACTERISATION AND MANAGEMENT PROCEDURES.
- 8.11. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE MANAGED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL MANAGEMENT PLANS PREPARED (BY OTHERS) AND APPROVED FOR THE SITE.
- 8.12. IN CONJUNCTION WITH EAST GIPPSLAND SHIRE COUNCIL (EGSC) THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS FOR THE REMOVAL/DISTURBANCE OF ANY VEGETATION WITHIN THE WORKS AREA.
- 8.13. IF WASTE IS ENCOUNTERED DURING ANY EXCAVATION, REMOVE AND REPLACE MIN. 300mm WITH SUITABLE MATERIAL. PROOF ROLL WITH 12t ROLLER FOR GREATER OF 15 PASSES OR UNTIL MINIMAL DEFLECTION OBSERVED.

9. GEOTEXTILES

- 9.1. ALL GEOTEXTILES SHALL COMPLY WITH THE REQUIREMENTS OF AS 3706 - GEOTEXTILES.

10. RIP RAP

- 10.1. STONE RIP RAP SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE DRAWINGS IN SUCH A MANNER AS TO ENSURE THAT THE COMPLETED LAYER IS STABLE, HAS A REASONABLY UNIFORM SURFACE AND HAS THE LARGER ROCK FRAGMENTS UNIFORMLY DISTRIBUTED WITHIN THE RIP RAP.
- 10.2. ROCK RIP RAP SHALL COMPRISE AT LEAST TWO LAYERS OF ROCK. THE ROCK SHALL BE PLACED SUCH THAT THE SPECIFIED REQUIREMENTS FOR SLOPES, CREST AND TOE LEVELS, LAYER THICKNESS ARE SATISFIED.
- 10.3. ROCKS SHALL BE WEDGED AND LOCKED TOGETHER SUCH THAT THEY ARE NOT FREE TO MOVE. ROCK SHOULD BE PLACED IN POSITION, NOT ROLLED OR DROPPED. THE METHOD OF ROCK PLACEMENT SHALL BE SUCH AS TO MINIMISE BREAKDOWN ON HANDLING AND PRODUCTION OF FINES.
- 10.4. RIP RAP SHALL NOT BE SINGLE SIZED, BUT SHALL BE A WELL GRADED MIXTURE DESIGNED TO ENSURE THAT ALL INTERSTICES BETWEEN LARGER ROCKS ARE FILLED WITH ROCK OF PROGRESSIVELY SMALLER SIZE.
- 10.5. ROCK SHALL SATISFY THE CRITERIA FOR THE TYPES AS SHOWN ON THE DRAWINGS.
- 10.6. STONE RIP RAP MAY BE SOURCED DURING THE SITE EARTHWORKS. STONE RIP RAP TO BE DENSE, SOUND, HARD, DURABLE, ANGULAR AND CLEAN ROCK FREE FROM CRACKS, CLEAVE PLANES, SEAMS AND DEFECTS.
- 10.7. ROCK RIP RAP SHALL ADHERE TO THE FOLLOWING PROPERTIES:
 - D50 = 150mm UNLESS NOTED OTHERWISE
 - RIP RAP PLACED OVER A39 BIDEM OR ACCEPTED EQUIVALENT UNLESS NOTED OTHERWISE
 - POINT LOAD INDEX IS50 (Mpa) > 1.0.
 - ROCK STRENGTH UCS (Mpa) > 15

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EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	TITLE	NAME	 © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148		 EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY GENERAL NOTES SHEET 1		SCALE	AS NOTED	PHASE	TENDER	PROJECT / DRAWING No.	30049148_203	REVISION	02
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										PROJECT DIRECTOR	W.MOSSE												

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11. CLAY LINER

- 11.1 THE CONTRACTOR SHALL ENSURE THAT AN ADEQUATE BOND WILL DEVELOP BETWEEN EACH LAYER OF FILLING. THIS MAY REQUIRE, BUT NOT BE LIMITED TO THE FOLLOWING ACTIONS; PREPARATION OF THE SURFACE OF PLACED LAYERS, ADJUSTING AND MAINTAINING MOISTURE CONTENT, SCARIFYING OR RE-ROLLING OF THE SURFACE TO PROVIDE A KEY FOR THE SUBSEQUENT LAYER.
- 11.2 DURING THE FILLING OPERATION THE SURFACE OF EACH LAYER SHALL BE KEPT GENERALLY PARALLEL TO THE SUBGRADE. PRIOR TO THE CESSATION OF WORK EACH DAY, THE TOP OF THE FILL SHALL BE SHAPED AND COMPACTED TO MINIMISE THE POTENTIAL FOR DAMAGE RESULTING FROM WET WEATHER.
- 11.3 THE CONTRACTOR MAY NEED TO OVER-PLACE AND TRIM CLAY LINER MATERIAL TO ENSURE THE SPECIFIED COMPACTION IS ACHIEVED RIGHT TO THE EDGE OF BATTERS. TRIMMED MATERIAL MAY BE RECONDITIONED AND USED ELSEWHERE. TOLERANCE OF CLAY LINER IS 0 TO +50MM. CONTRACTOR IS TO GUARANTEE THAT A LINER THICKNESS OF 600MM IS ACHIEVED.
- 11.4 FOLLOWING COMPACTION AND TESTING OF THE FINAL LAYER PLACED IN THE CLAY LINER, AND ANY FINAL TRIMMING, THE SURFACE OF THIS LAYER SHALL BE COMPACTED USING A STATIC SMOOTH DRUM ROLLER AS APPROVED BY THE SUPERINTENDENT TO ACHIEVE A DENSE SURFACE LAYER.
- 11.5 AFTER FINAL SEALING OF THE SURFACE OF THE CLAY LINER, THE MOISTURE CONTENT OF THE SEALING LAYER SHALL BE MAINTAINED WET OF OPTIMUM MOISTURE CONTENT UNTIL OVERBURDEN HAS BEEN PLACED. SHOULD CRACKING BE OBSERVED IN THE SURFACE OF THE LAYER, THE LAYER SHALL BE RIPPED TO THE DEPTH OF CRACKING, MOISTURE CONDITIONED AND RE-COMPACTED.
- 11.6 ACCEPTANCE OF MATERIALS AND WORK MAY BE BASED ON TESTING OF MATERIALS OR WORK IN LOTS. A LOT SHALL CONSIST OF A SINGLE LAYER, BATCH OR AREA OF LIKE WORK, WHICH HAS BEEN CONSTRUCTED UNDER UNIFORM CONDITIONS AND IS ESSENTIALLY HOMOGENEOUS IN RESPECT TO MATERIAL OR APPEARANCE. DISCRETE PORTIONS OF A LOT, WHICH ARE CONSIDERED NON HOMOGENEOUS, MAY BE EXCLUDED FROM THE LOT AND TREATED AS A SEPARATE LOT.
- 11.7 THE CONTRACTOR SHALL UNDERTAKE TESTING TO ESTABLISH THE RANGE OF DENSITIES AND MOISTURE CONTENTS THAT WILL GIVE THE CLAY LINER THE REQUIRED HYDRAULIC CONDUCTIVITY, IN ACCORDANCE WITH THE METHOD OUTLINED IN "ENVIRONMENTAL GUIDELINES SOLID WASTE LANDFILLS, NSW EPA 2016" OR SIMILAR METHOD AS ACCEPTED BY THE PRINCIPAL
- 11.8 THE CONTRACTOR SHALL CARRY OUT TESTING AT A FREQUENCY WHICH IS SUFFICIENT TO ENSURE THAT THE MATERIALS AND WORK SUPPLIED UNDER THE CONTRACT COMPLIES WITH THE SPECIFIED REQUIREMENTS BUT WHICH IS NOT LESS THAN THAT SHOWN IN TABLE BELOW:

MATERIAL	TEST	TESTING STANDARD	MINIMUM FREQUENCY OF TESTING
CLAY LINER-SOURCE TESTING	PERMEABILITY	AS 1289 6.7.2 OR AS 6.7.3	THE GREATER OF: 1/2000T (OR 1250m ²) OR 3 TEST PER LOT
	ATTERBERG LIMITS	AS 1289 3.1.2, 3.2.1, 3.3.1 AND 3.4.1	THE GREATER OF: 1/2000T (OR 1250m ²) OR 3 TEST PER LOT
	GRADING	AS 1289 3.6.1	THE GREATER OF: 1/2000T (OR 1250m ²) OR 3 TEST PER LOT
	CBR	AS 1289 6.1.1	THE GREATER OF: 1/2000T (OR 1250m ²) OR 3 TEST PER LOT
	SPOCAS	AS 4969. 1 2006	THE GREATER OF: 1/2000T (OR 1250m ²) OR 3 TEST PER LOT
CLAY LINER-PLACEMENT TESTING	FIELD DENSITY	AS 1289 5.3.1 OR AS 1289 5.8.1	THE GREATER OF 1/1000 m ² /LAYER OR 3 TESTS PER LOT
	COMPACTION	AS 1289 5.2.1 OR 5.7.1	FOR EACH FIELD DENSITY UNDERTAKEN

- 11.9 HIGH VISIBILITY MARKER LAYER IS TO BE PROFAB HI VIS MARKER LAYER OR ACCEPTED EQUIVALENT.

12. OTHER WORKS

- 12.1 KERB AND GUTTERING TO BE INSTALLED IN ACCORDANCE WITH RELEVANT COUNCIL SPECIFICATIONS
- 12.2 LINEMARKING TO BE IN ACCORDANCE WITH RELEVANT COUNCIL SPECIFICATIONS.
- 12.3 CONCRETE CULVERTS ARE TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3725:2700 AND MAUFACTURERS SPECIFICATIONS.
- 12.4 HEADWALLS ARE TO BE PRE-CAST REINFORCED CONCRETE WITH FULL BASE OR APPROVED EQUIVALENT AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS SPECIFICATIONS.
- 12.5 ALL OTHER ITEM SPECIFICATIONS AS REQUIRED FOR THE COMPLETION OF WORKS SPECIFIED ON THE DRAWINGS ARE TO BE NOMINATED BY THE CONTRACTOR FOR APPROVAL BY THE PRICIPAL. ALL ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS, STATE AND COUNCIL REGULATIONS, AND MANUFACTURERS SPECIFICATIONS.

13. REVEGETATION

- 13.1 STRIPPED TOPSOIL SHALL BE STOCKPILED WITH ADEQUATE SEDIMENT AND EROSION CONTROL FOR REVEGETATION AT PROJECT CONCLUSION.
- 13.2 THE FOLLOWING PROCESS IS REQUIRED FOR ALL DISTURBED BORROW AREAS AND BATTER SLOPES: TYNING / RIPPING SURFACE (MIN 50 mm), RE-SPREADING OF SUFFICIENT TOPSOIL TO SUPPORT LONG-TERM GROWTH OF VEGETATION, SEEDING, FERTILISING AND HARROWING.
- 13.3 GIVING DUE CONSIDERATION TO THE EXISTING NATIVE VEGETATION, THE CONTRACTOR IS TO NOMINATE A SEED AND FERTILISER MIX SUITABLE TO REVEGETATE THE BORROW AREAS, WHICH IS TO BE APPROVED BY THE PRINCIPAL IN WRITING.
- 13.4 THE CONTRACTOR SHALL SEED ALL AREAS WHICH HAVE BEEN DISTURBED BY THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR'S PROJECT QUALITY PROCEDURE SHALL INDICATE THE SEED MIX, SOURCE OF SEED AND FERTILISER TO BE USED AND APPLICATION RATES FOR SEED AND FERTILISER.
- 13.5 AREAS WITH GRASS COVER OF LESS THAN 90% OF THE AREA AFTER THREE MONTHS GROWTH SHALL BE RE-SOWN BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

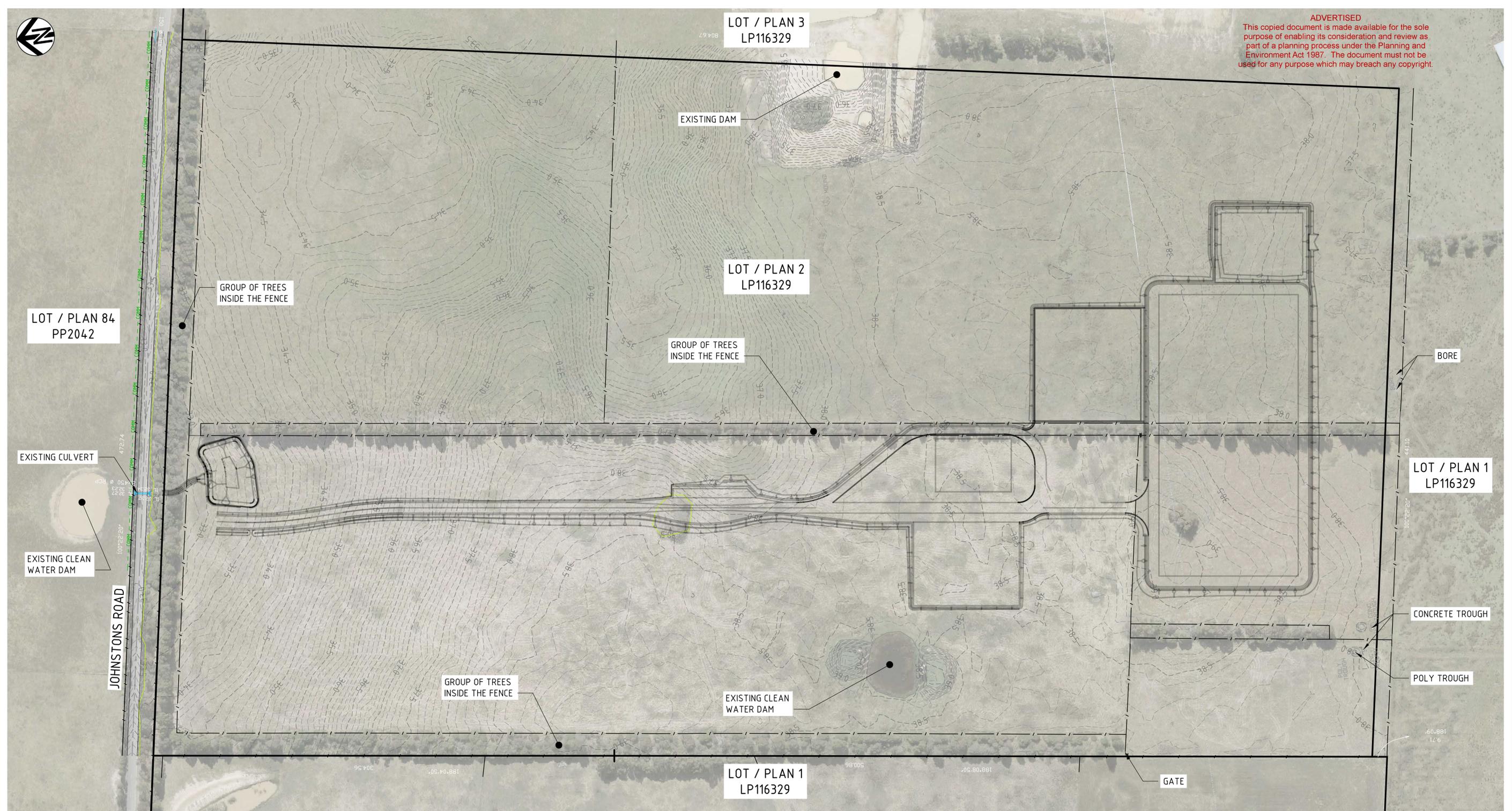
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LEGEND

EXISTING

- CADASTRAL BOUNDARY
- - 38.0 - - MAJOR CONTOURS (0.5m INTERVAL)
- - - - MINOR CONTOURS (0.1m INTERVAL)
- / - FENCE

DESIGN

- - - - COMM - TELECOMMUNICATION
- DESIGN LINE WORKS
- STORMWATER CULVERT
- GROUP OF TREES / SHRUBS

NOTE

1. FOR GENERAL NOTES, REFER DRG 203.

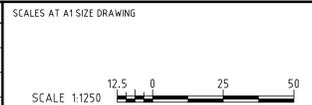
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						DESIGNER	N.HOLE
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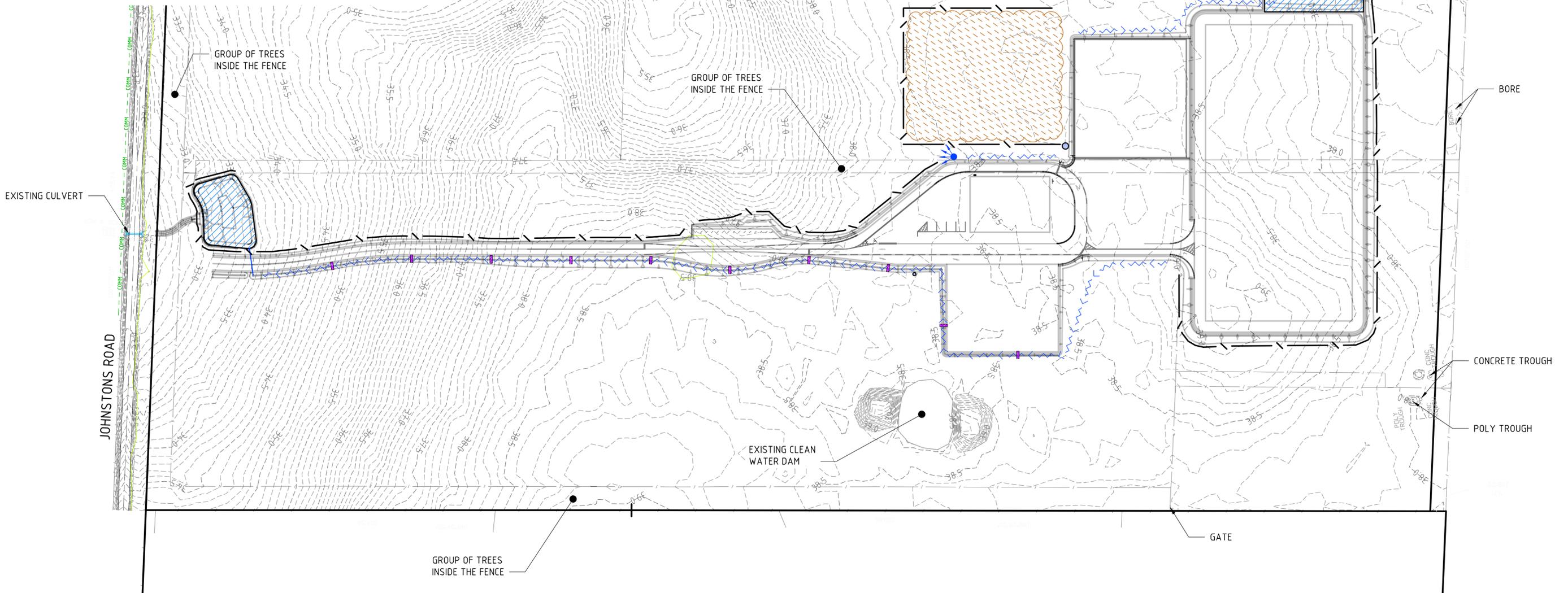
 EAST GIPPSLAND SHIRE COUNCIL

PROJECT TITLE EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY EXISTING SITE PLAN			
SCALE AS NOTED	PHASE TENDER	PROJECT / DRAWING No. 30049148_205	REVISION 02

NOTES:

- FOR GENERAL NOTES, REFER DRG 203.
- INDICATIVE EROSION AND SEDIMENT CONTROL PLAN PROVIDED FOR CONTRACTOR'S INFORMATION, REFER SOIL AND WATER MANAGEMENT SECTION OF THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PREPARE AND IMPLEMENT SUITABLE EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO WORKS COMMENCING. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE DESIGNED BY SUITABLY QUALIFIED PROFESSIONALS.
- FOR EROSION AND SEDIMENT CONTROL DETAIL, REFER DRG. 207.
- CONTRACTOR TO INSTALL TEMPORARY WATER CONTROL MEASURES SUCH AS HAY BALES AND/OR ROCK CHECK DAMS TO ENSURE THAT SEDIMENT WATER IS DIVERTED TO LEVEL SPREADERS AND/OR SEDIMENT BASIN.
- WATER MANAGEMENT DAMS CAN BE UTILISED BY CONTRACTOR AS SEDIMENT BASINS, FOR THE DURATION OF CONSTRUCTION, CONTRACTOR CO CONVERT TO NOMINATED PURPOSE BEFORE END OF CONSTRUCTION.

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LEGEND

DESIGN

- DESIGN LINE WORKS
- ▨ SEDIMENT BASIN
- / — SEDIMENT FENCE
- ~ ~ ~ CLEAN WATER DIVERSION

- ☀ LEVEL SPREADER
- ▨ ROCK CHECK DAMS
- ▨ INDICATIVE STOCKPILE AREA

EXISTING

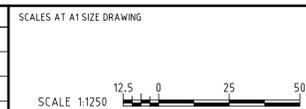
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- MINOR CONTOURS (0.1m INTERVAL)
- FENCE
- COMM --- TELECOMMUNICATION
- STORMWATER CULVERT
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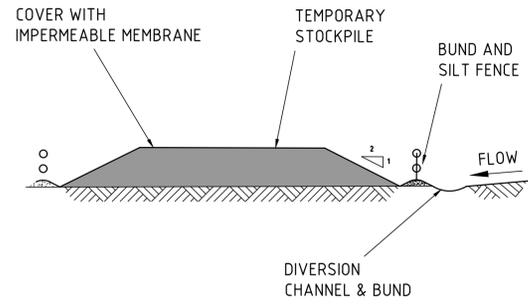


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EAST GIPPSLAND SHIRE COUNCIL

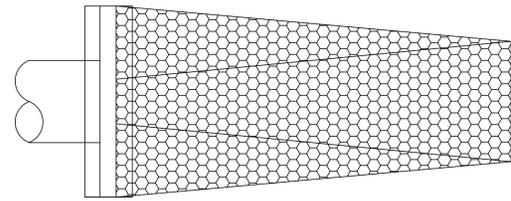
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SCALE	PHASE	PROJECT / DRAWING No.	REVISION
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DETAIL 1 - TEMPORARY STOCKPILE
NTS

TEMPORARY STOCKPILE CONSTRUCTION NOTES

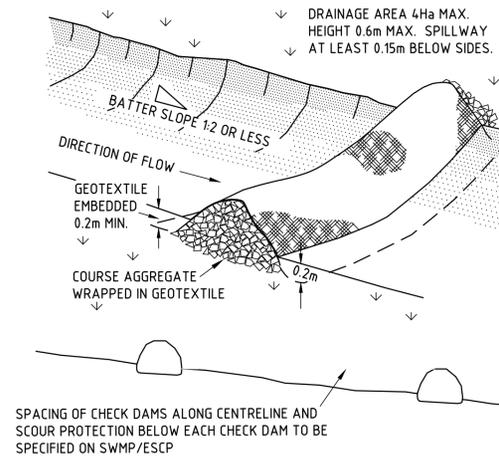
1. PLACE STOCKPILE MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS
3. WHEN THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE TO REDUCE THE C-FACTOR TO LESS THAN 0.18
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (DETAIL 3) 1 TO 2 METRES DOWNSLOPE



DETAIL 2 - ENERGY DISSIPATER
NTS

ENERGY DISSIPATER CONSTRUCTION NOTES

1. COMPACT THE SUBGRADE FILL TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL
2. PREPARE A SMOOTH, EVEN FOUNDATION FOR THE STRUCTURE THAT WILL ENSURE THAT THE NEEDLE-PUNCHED GEOTEXTILE DOES NOT SUSTAIN SERIOUS DAMAGE WHEN COVERED WITH ROCK
3. SHOULD ANY MINOR DAMAGE TO THE GEOTEXTILE OCCUR, REPAIR IT BEFORE SPREADING ANY AGGREGATE. FOR REPAIRS, PATCH ONE PIECE OF FABRIC OVER THE DAMAGE, MAKING SURE THAT ALL JOINTS AND PATCHES OVERLAP MORE THAN 300mm
4. LAY ROCK FOLLOWING DRAWINGS, ACCORDING TO IECA REQUIREMENTS, WITH A MINIMUM DIAMETER OF 75mm.

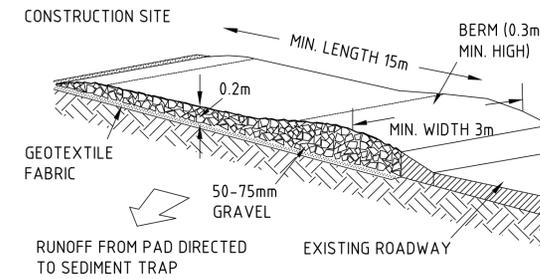


DETAIL 4 - ROCK CHECK DAM
NTS

ROCK CHECK DAM CONSTRUCTION NOTES

1. CHECK DAMS CAN BE BUILT WITH VARIOUS MATERIALS, INCLUDING ROCKS, LOGS, SANDBAGS AND STRAW BALES. THE MAINTENANCE PROGRAM SHOULD ENSURE THEIR INTEGRITY IS RETAINED, ESPECIALLY WHERE CONSTRUCTED WITH STRAW BALES. IN THE CASE OF BALES, THIS MIGHT REQUIRE THEIR REPLACEMENT EACH TWO TO FOUR MONTHS
2. TRENCH THE CHECK DAM 200mm INTO THE GROUND ACROSS ITS WHOLE WIDTH. WHERE ROCK IS USED, FILL THE TRENCHES TO AT LEAST 100mm ABOVE THE GROUND SURFACE TO REDUCE THE RISK OF UNDERCUTTING
3. NORMALLY, THEIR MAXIMUM HEIGHT SHOULD NOT EXCEED 600mm ABOVE THE GULLY FLOOR. THE CENTRE SHOULD ACT AS A SPILLWAY, BEING AT LEAST 150mm LOWER THAN THE OUTER EDGES
4. SPACE THE DAMS SO THE TOE OF THE UPSTREAM DAM IS LEVEL WITH THE SPILLWAY OF THE NEXT DOWNSTREAM DAM

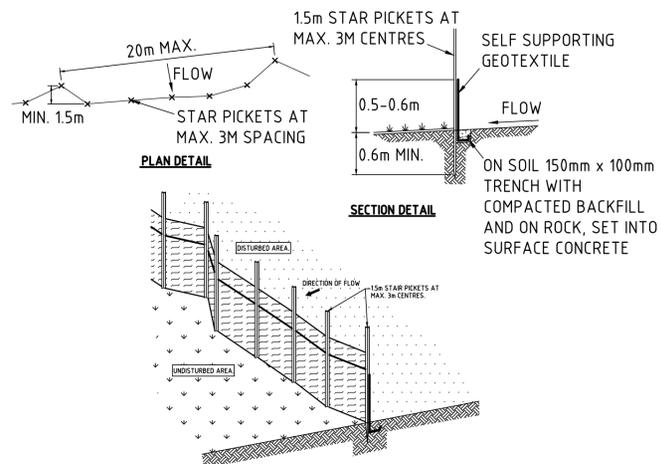
SPACING OF CHECK DAMS ALONG CENTRELINE AND SCOUR PROTECTION BELOW EACH CHECK DAM TO BE SPECIFIED ON SWMP/ESCP



DETAIL 5 - STABILISED SITE ACCESS
NTS

STABILISED SITE ACCESS CONSTRUCTION NOTES

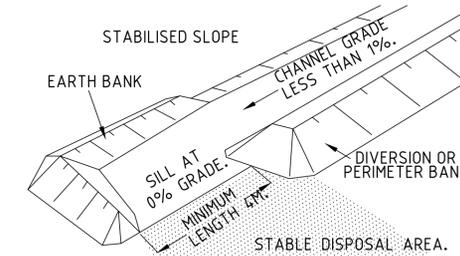
1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE
4. ENSURE THE STRUCTURE IS AT LEAST 1.5M LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3m WIDE
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE



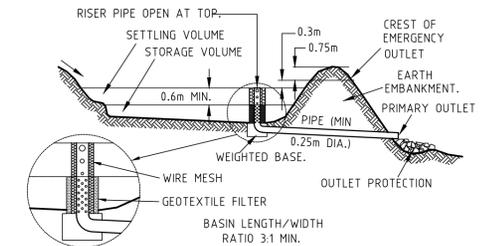
DETAIL 3 - SEDIMENT FENCE
NTS

SEDIMENT FENCE CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
4. BACKFILL TRENCH OVER BASE OF FABRIC
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POST WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP



DETAIL 6 - LEVEL SPREADER (OR SILL)
NTS

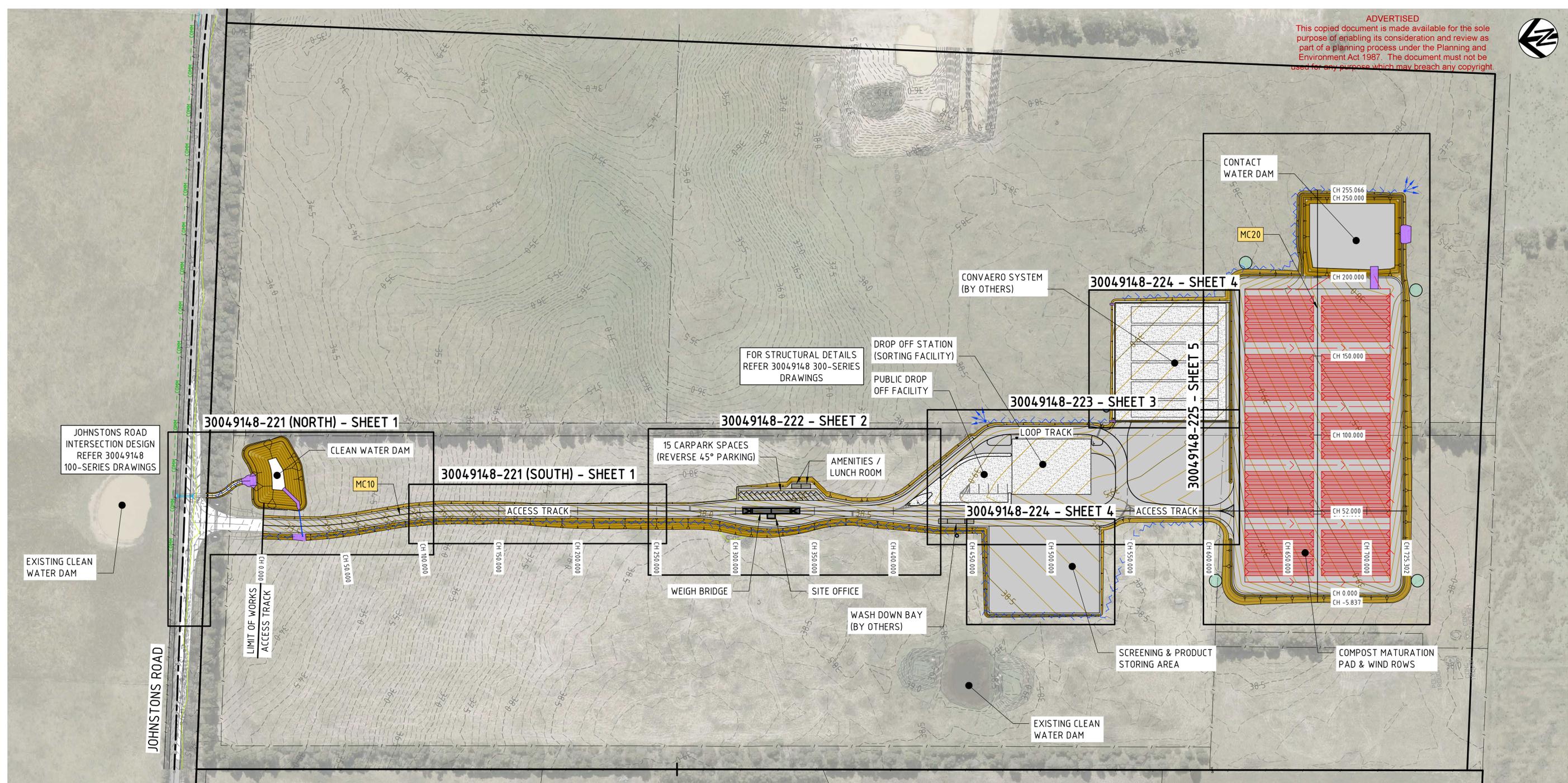


DETAIL 7 - TEMPORARY SEDIMENT BASIN
NTS

150 mm ON ORIGINAL
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DRAWING FILE LOCATION / NAME		PLOT DATE		TIME											
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
	01	28.03.24	DRAFT ISSUE	001	B.Q.	DRAFTER	N.HOLE		 an company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148	 EAST GIPPSLAND SHIRE COUNCIL	EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY SEDIMENT & EROSION CONTROL DETAILS	AS NOTED	TENDER	30049148_207	02
	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS								
						DESIGNER	N.HOLE								
						DESIGN CHECK	K.BEARD								
						PROJECT MANAGER	B.QUILL								
						PROJECT DIRECTOR	W.MOSSE								

DETAIL DESIGN



LEGEND

DESIGN

- CONTROL ALIGNMENT
- MAJOR CONTOURS (0.5m INTERVAL)
- MINOR CONTOURS (0.1m INTERVAL)
- PAVEMENT AREAS
- CONCRETE HARDSTAND AREAS
- RIP-RAP AREAS (FOR DETAILS REFER DRG'S 241 TO 244)
- CLEAN WATER SWALE DRAIN
- STORMWATER CULVERTS & HEADWALLS
- LINE MARKING
- FIRE WATER TANKS BY OTHERS
- WIND ROWS
- INDICATIVE DRAINAGE FLOWS

EXISTING

- 182.0-- MAJOR CONTOURS (0.5m INTERVAL)
- - - - - MINOR CONTOURS (0.1m INTERVAL)

NOTE

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2. FOR PAVEMENT AREAS & DETAILS REFER DRG 231, 232 & 233.
3. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS REFER 3004.9148-100-SERIES DRAWINGS.
4. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 3004.9148-300-SERIES DRAWINGS.
5. CONVAERO SYSTEM HARDSTAND DESIGN BY OTHERS.
6. FOR ELECTRICAL DRAWINGS REFER 3004.9148-400-SERIES DRAWINGS.

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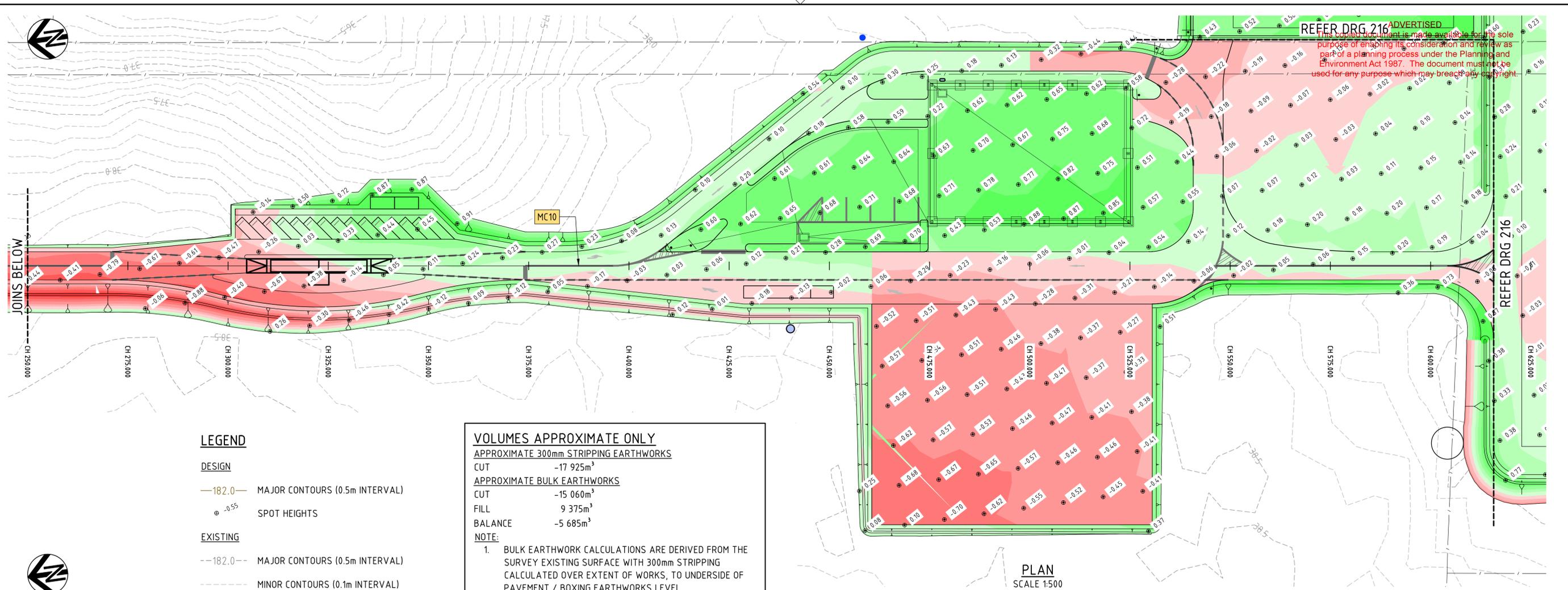


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150 mm ON ORIGINAL
 150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

DRAWING FILE LOCATION / NAME				PLOT DATE		TIME									
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:1250	DESIGNER an company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148	CLIENT EAST GIPPSLAND SHIRE COUNCIL	PROJECT TITLE EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY GENERAL ARRANGEMENT PLAN	
				01	28.03.24	DRAFT ISSUE	001	B.Q.	DRAFTER	N.HOLE				SCALE	PHASE
				02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS	AS NOTED	TENDER	3004.9148.211	02	
									DESIGNER	N.HOLE			Printed 11/02/2025		
									DESIGN CHECK	K.BEARD					
									PROJECT MANAGER	B.QUILL					
									PROJECT DIRECTOR	W.MOSSE					

REFER DRG 216 ADVERTISED
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LEGEND

DESIGN

- 182.0— MAJOR CONTOURS (0.5m INTERVAL)
- ⊕ -0.55 SPOT HEIGHTS

EXISTING

- -182.0 - - MAJOR CONTOURS (0.5m INTERVAL)
- - - - MINOR CONTOURS (0.1m INTERVAL)

VOLUMES APPROXIMATE ONLY

APPROXIMATE 300mm STRIPPING EARTHWORKS

CUT -17 925m³

APPROXIMATE BULK EARTHWORKS

CUT -15 060m³

FILL 9 375m³

BALANCE -5 685m³

NOTE:

- BULK EARTHWORK CALCULATIONS ARE DERIVED FROM THE SURVEY EXISTING SURFACE WITH 300mm STRIPPING CALCULATED OVER EXTENT OF WORKS, TO UNDERSIDE OF PAVEMENT / BOXING EARTHWORKS LEVEL.
- FOR PAVEMENT DETAILS REFER TO DRG. 131 & 132.
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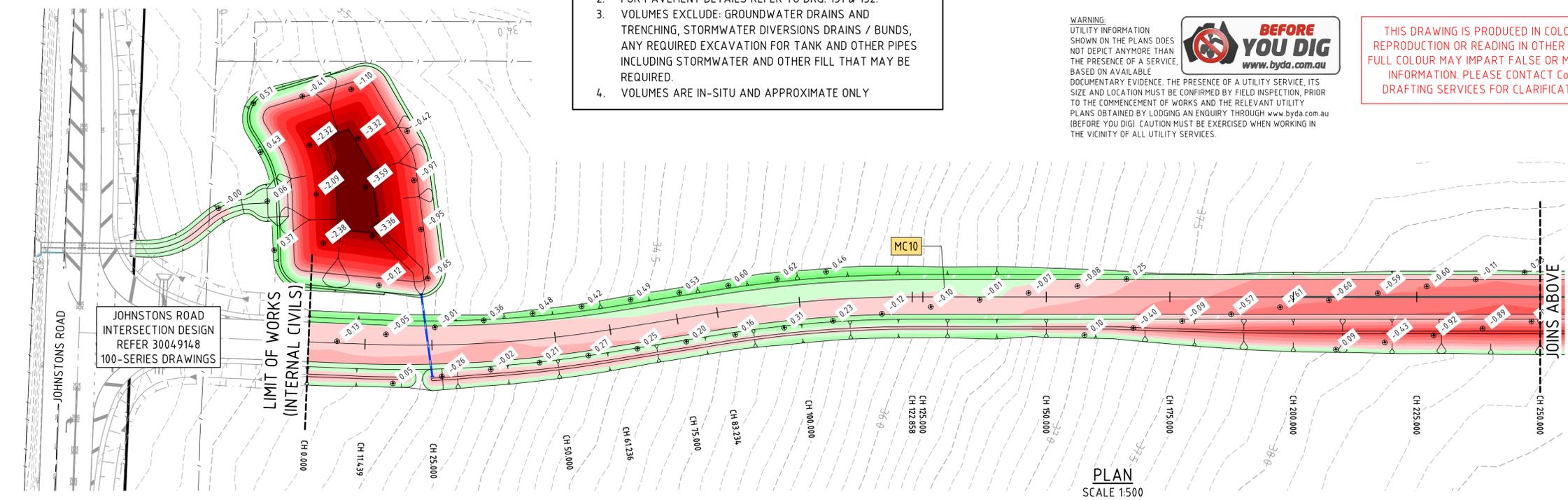
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CUT / FILL DEPTHS

CUT	-4.00 TO -3.50m
	-3.50 TO -3.00m
	-3.00m TO -2.50m
	-2.50m TO -2.00m
	-2.00m TO -1.50m
	-1.50m TO -1.00m
	-1.00m TO -0.80m
	-0.80m TO -0.60m
	-0.60m TO -0.40m
	-0.40m TO -0.20m
	-0.20m TO 0.00m
FILL	0.00m TO 0.20m
	0.20m TO 0.40m
	0.40m TO 0.60m
	0.60m TO 0.80m
	0.80m TO 1.00m
	1.00m TO 1.50m
	1.50m TO 2.00m



DETAIL DESIGN

150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME		PLOT DATE		TIME		SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	TITLE	NAME	 an company				EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY BULK EARTHWORKS PLAN SHEET 1			
		01	28.03.24	DRAFT ISSUE		001	B.O.	DRAFTER	N.HOLE	© SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148		SCALE AS NOTED PHASE TENDER		PROJECT / DRAWING No. 30049148_215 11/02/2025		REVISION	02
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								DESIGNER	N.HOLE								
								DESIGN CHECK	K.BEARD								
								PROJECT MANAGER	B.QUILL								
								PROJECT DIRECTOR	W.MOSSE								

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LEGEND

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DESIGN
---182.0--- MAJOR CONTOURS (0.5m INTERVAL)
--- MINOR CONTOURS (0.1m INTERVAL)

EXISTING
● 0.55 SPOT HEIGHTS

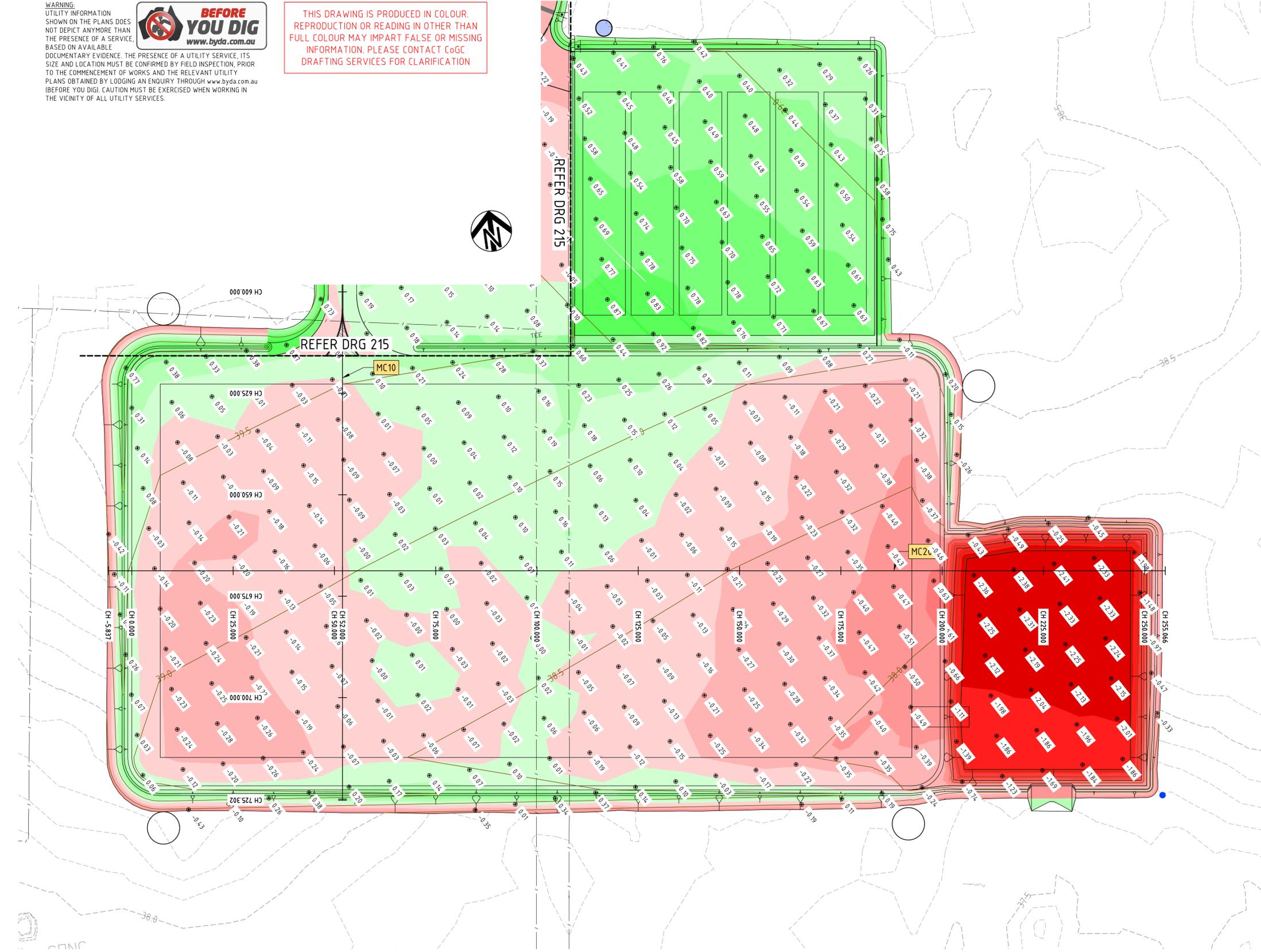
CUT / FILL DEPTHS

CUT

- 4.00 TO -3.50m
- 3.50 TO -3.00m
- 3.00 TO -2.50m
- 2.50 TO -2.00m
- 2.00 TO -1.50m
- 1.50 TO -1.00m
- 1.00 TO -0.80m
- 0.80 TO -0.60m
- 0.60 TO -0.40m
- 0.40 TO -0.20m
- 0.20 TO 0.00m

FILL

- 0.00m TO 0.20m
- 0.20m TO 0.40m
- 0.40m TO 0.60m
- 0.60m TO 0.80m
- 0.80m TO 1.00m
- 1.00m TO 1.50m
- 1.50m TO 2.00m



VOLUMES APPROXIMATE ONLY

APPROXIMATE 300mm STRIPPING EARTHWORKS
CUT -17 925m³

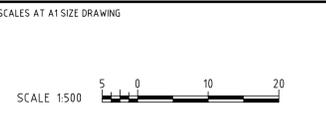
APPROXIMATE BULK EARTHWORKS
CUT -15 060m³
FILL 9 375m³
BALANCE -5 685m³

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150 mm ON ORIGINAL

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	02	23.08.24	ISSUED FOR TENDER	002	B.Q.
					TITLE
					NAME
					DRAFTER
					DESIGNER
					DESIGN CHECK
					PROJECT MANAGER
					PROJECT DIRECTOR



DESIGNER

an company

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TOWER 4, LEVEL 20, 727 COLLINS STREET
DOCKLANDS VIC 3008
SMEC PROJECT No 30049148

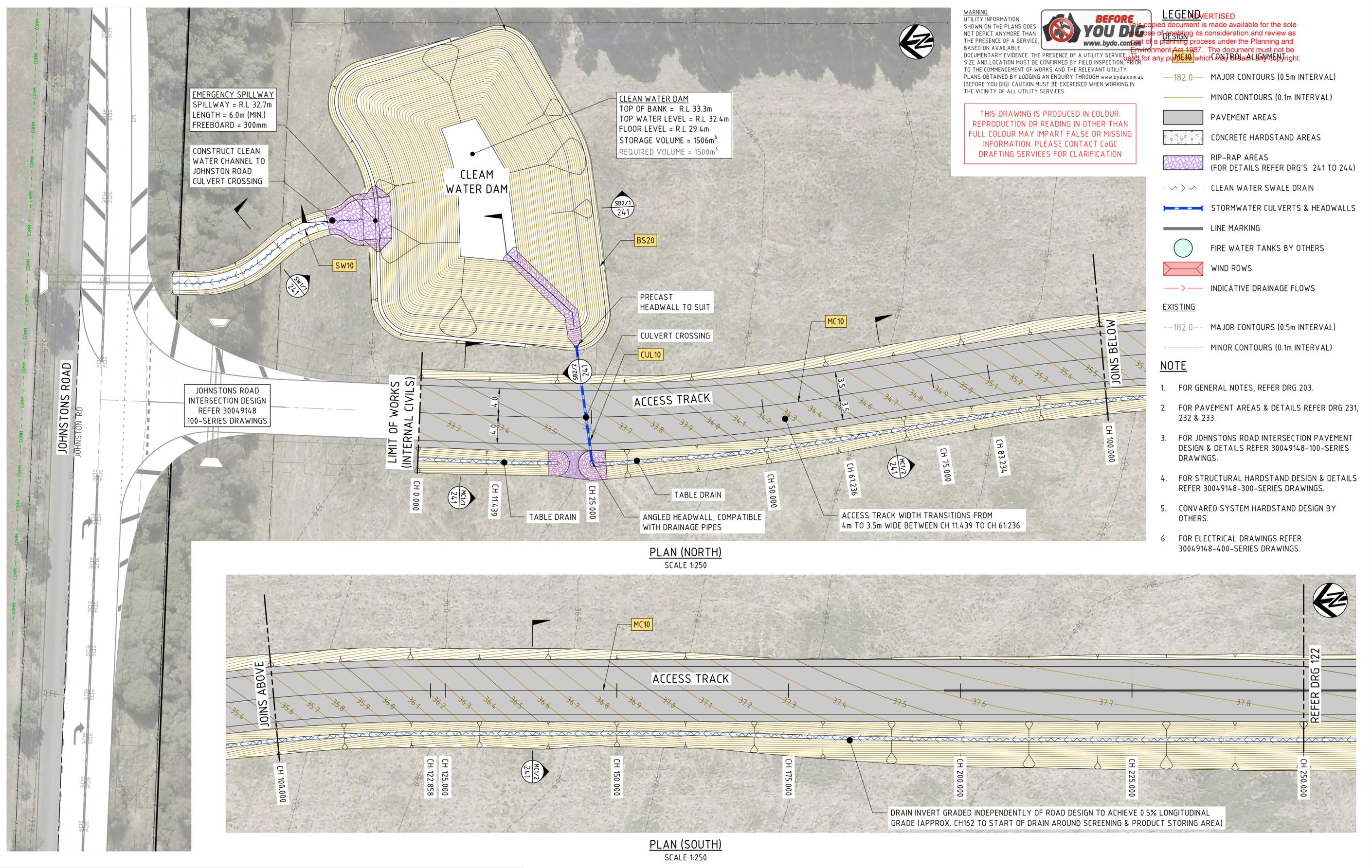
DETAIL DESIGN

CLIENT

EAST GIPPSLAND SHIRE COUNCIL

PROJECT TITLE		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY BULK EARTHWORKS PLAN SHEET 2	
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	TENDER	30049148-216	11/02/2025 02

150 mm ON ORIGINAL
A1



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- LEGEND**
- 182.0— MAJOR CONTOURS (0.5m INTERVAL)
 - MINOR CONTOURS (0.1m INTERVAL)
 - PAVEMENT AREAS
 - CONCRETE HARDSTAND AREAS
 - RIP-RAP AREAS (FOR DETAILS REFER DRG'S 241 TO 244)
 - CLEAN WATER SWALE DRAIN
 - STORMWATER CULVERTS & HEADWALLS
 - LINE MARKING
 - FIRE WATER TANKS BY OTHERS
 - WIND ROWS
 - INDICATIVE DRAINAGE FLOWS
- EXISTING**
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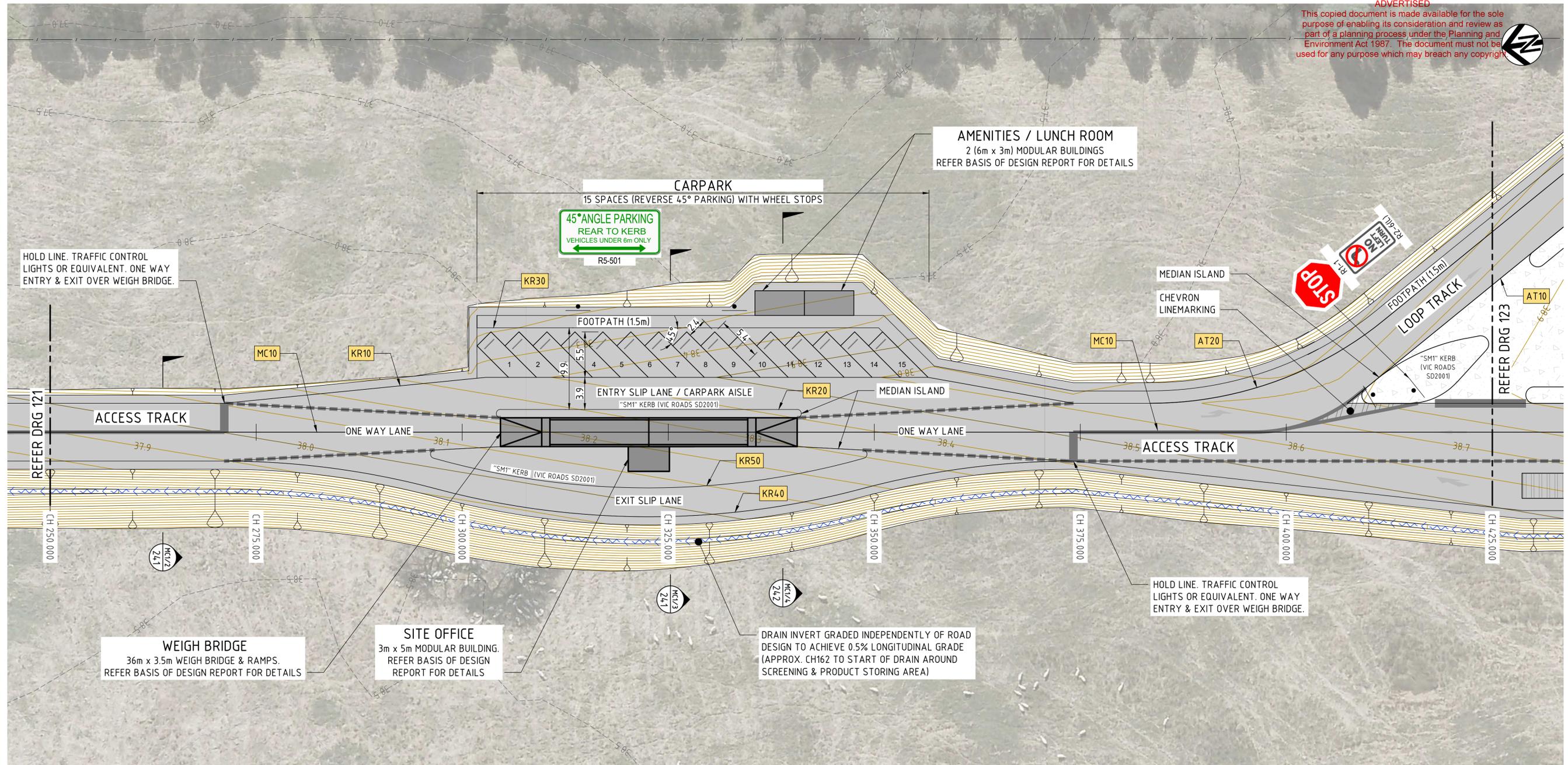
- NOTE**
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 3. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS REFER 30049148-100-SERIES DRAWINGS.
 4. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 30049148-300-SERIES DRAWINGS.
 5. CONVAREO SYSTEM HARDSTAND DESIGN BY OTHERS.
 6. FOR ELECTRICAL DRAWINGS REFER 30049148-400-SERIES DRAWINGS.

PLAN (NORTH)
SCALE 1:250

PLAN (SOUTH)
SCALE 1:250

DETAIL DESIGN

DRAWING FILE LOCATION / NAME		PLOT DATE		TIME												
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
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		02	23.08.24	ISSUED FOR TENDER	002	B.O.	DRAFTING CHECK	Z.HUMPHREYS								
							DESIGNER	N.HOLE								
							DESIGN CHECK	K.BEARD								
							PROJECT MANAGER	B.QUILL								
							PROJECT DIRECTOR	W.MOSSE								



LEGEND

DESIGN

- CONTROL ALIGNMENT
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- LINE MARKING
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- WIND ROWS
- INDICATIVE DRAINAGE FLOWS
- EXISTING**
- MAJOR CONTOURS (0.5m INTERVAL)
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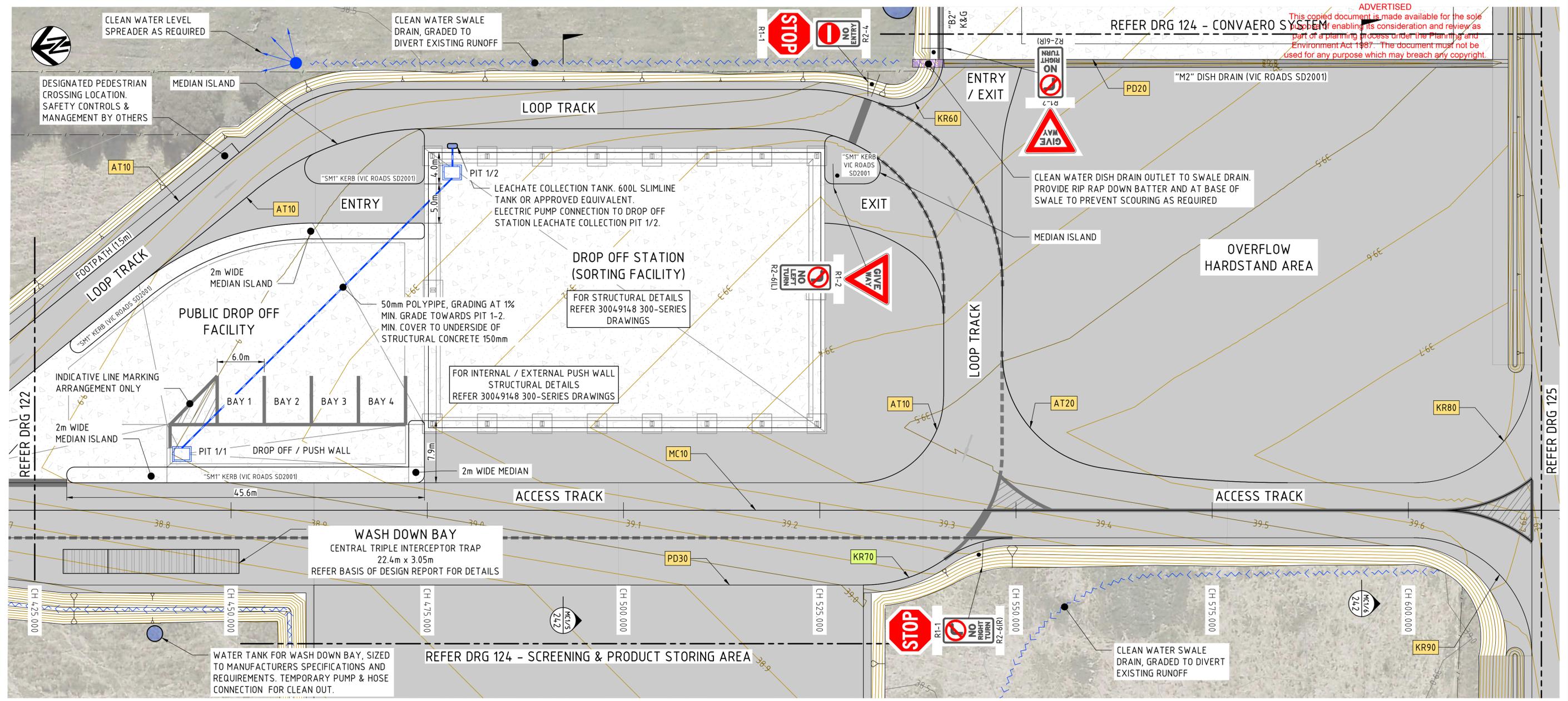


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150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME		PLOT DATE		TIME	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.
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		02	23.08.24	ISSUED FOR TENDER	002
		APPROVAL	TITLE	NAME	
		B.Q.	DRAFTER	N.HOLE	
		B.Q.	DRAFTING CHECK	Z.HUMPHREYS	
			DESIGNER	N.HOLE	
			DESIGN CHECK	K.BEARD	
			PROJECT MANAGER	B.QUILL	
			PROJECT DIRECTOR	W.MOSSE	
SCALES AT A1 SIZE DRAWING		DESIGNER			
SCALE 1:250					
		© SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148			
		CLIENT			
		PROJECT TITLE			
		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY			
		DETAIL PLAN SHEET 2			
SCALE	PHASE	PROJECT / DRAWING No.	DATE	REVISION	
AS NOTED	TENDER	30049148-222	11/02/2025	02	

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LEGEND

- DESIGN**
- MC10 CONTROL ALIGNMENT
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 - STORMWATER CULVERTS & HEADWALLS
 - — — LINE MARKING
 - FIRE WATER TANKS BY OTHERS
 - WIND ROWS
 - — — INDICATIVE DRAINAGE FLOWS
- EXISTING**
- 182.0--- MAJOR CONTOURS (0.5m INTERVAL)
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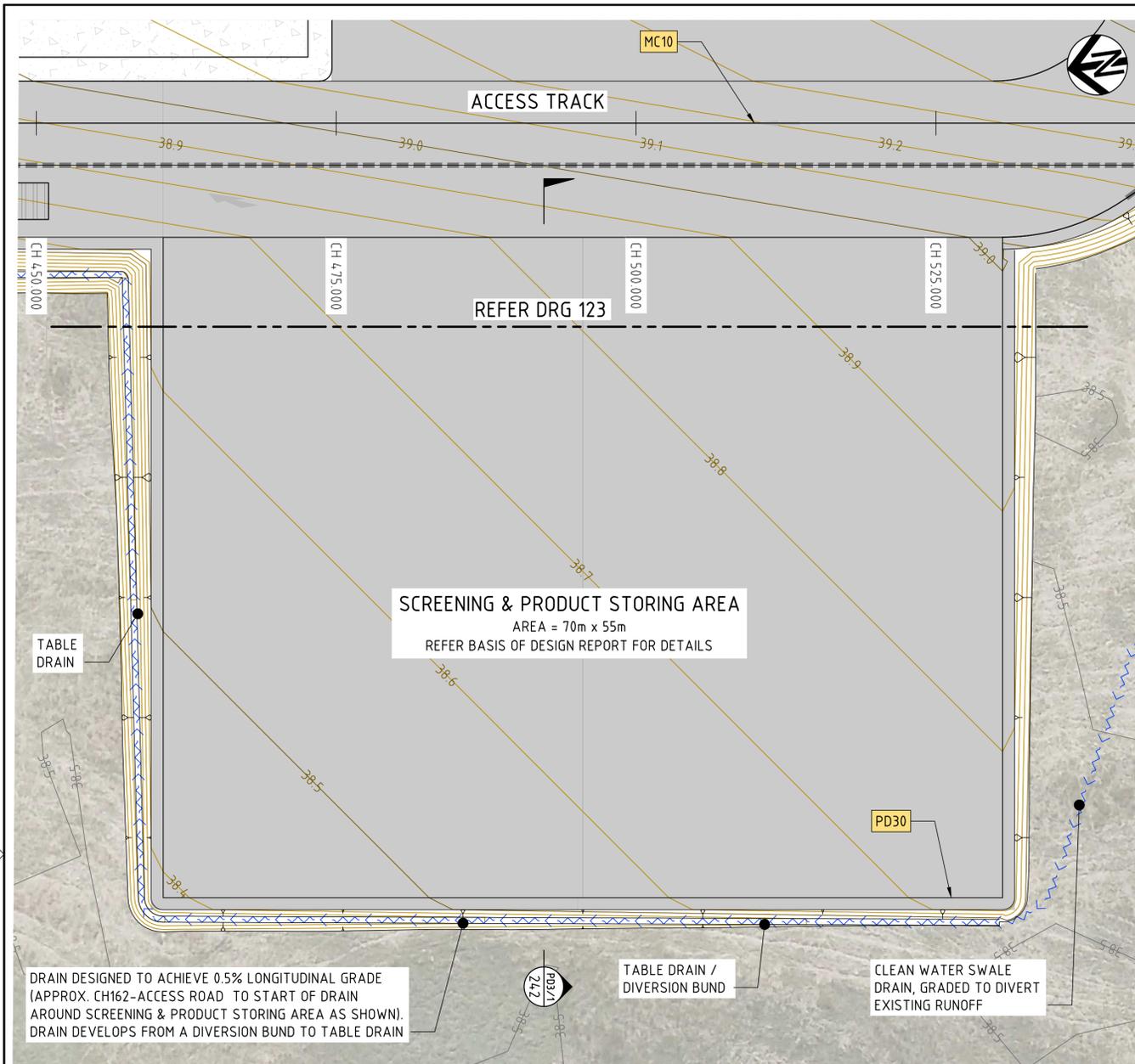
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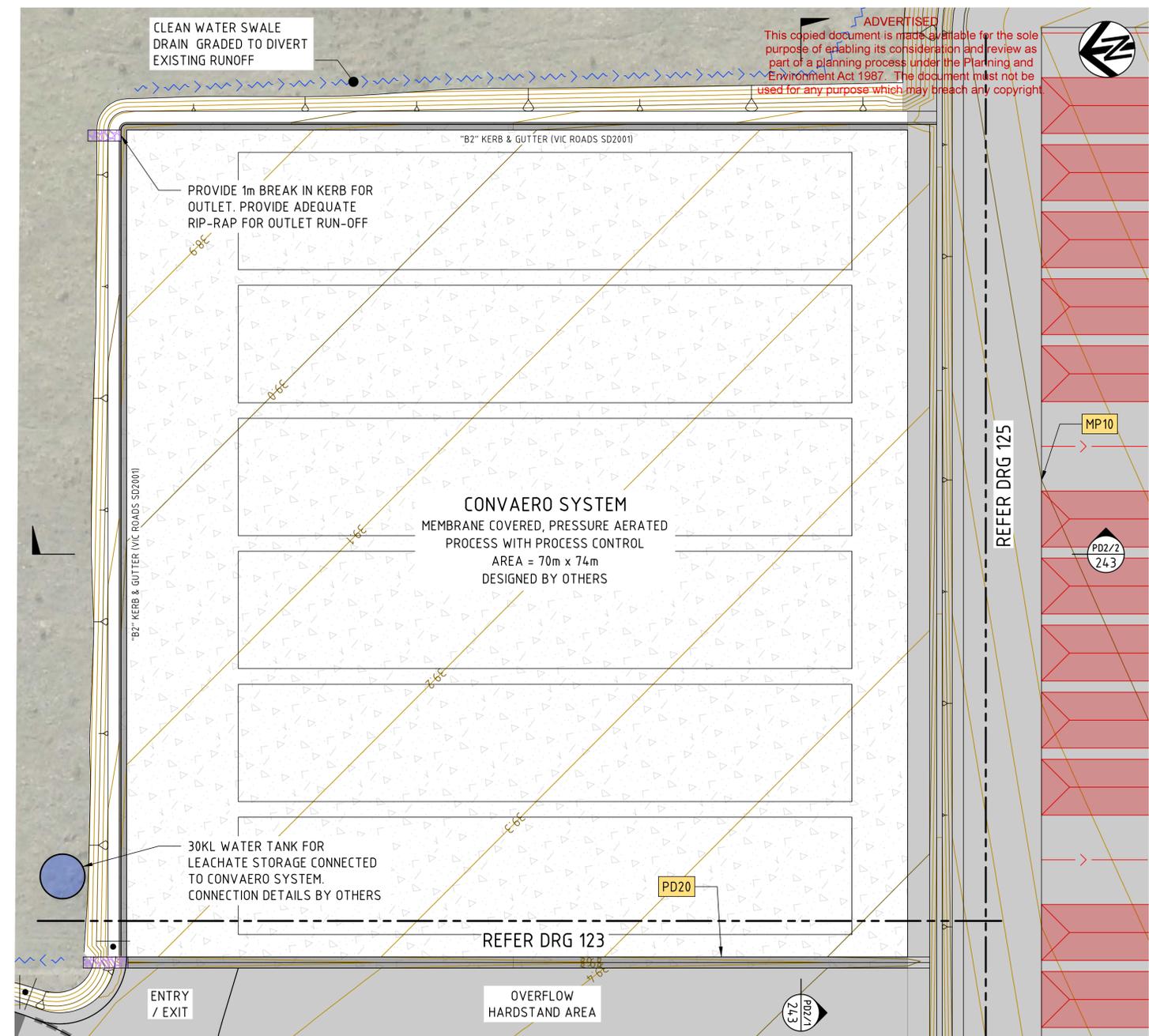
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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.
X_SHEC_A1 X_DES_STRS X_DES_CH X_DES_HATCH X_DES_BASE X_DES_WALL X_DES_WPE X_DES_LEG X_DES_CONTS_250 X_DES_CONTS_250 X_STR_LAYOUT_250				01	28.03.24	DRAFT ISSUE	001
				02	23.08.24	ISSUED FOR TENDER	002
APPROVAL TITLE NAME				APPROVAL TITLE NAME			
B.O. DRAFTER N.HOLE				B.O. DRAFTER N.HOLE			
Z.HUMPHREYS DRAFTING CHECK N.HOLE DESIGNER				Z.HUMPHREYS DRAFTING CHECK N.HOLE DESIGNER			
K.BEARD DESIGN CHECK B.QUILL PROJECT MANAGER				K.BEARD DESIGN CHECK B.QUILL PROJECT MANAGER			
W.MOSSE PROJECT DIRECTOR				W.MOSSE PROJECT DIRECTOR			
SCALES AT A1 SIZE DRAWING SCALE 1:250				SCALES AT A1 SIZE DRAWING SCALE 1:250			
DESIGNER smec an smc company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148				CLIENT EAST GIPPSLAND SHIRE COUNCIL			
PROJECT TITLE EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY DETAIL PLAN SHEET 3				PROJECT / DRAWING No. 30049148_233 Date 31/02/2025			
SCALE AS NOTED		PHASE TENDER		REVISION 02		Page 27 of 59	



SCREENING & PRODUCT STORING AREA
SCALE 1:250



CONVAERO SYSTEM
SCALE 1:250

LEGEND

DESIGN

- MC10 CONTROL ALIGNMENT
- 182.0 MAJOR CONTOURS (0.5m INTERVAL)
- MINOR CONTOURS (0.1m INTERVAL)
- PAVEMENT AREAS
- CONCRETE HARDSTAND AREAS
- RIP-RAP AREAS (FOR DETAILS REFER DRG'S 241 TO 244)
- CLEAN WATER SWALE DRAIN

- STORMWATER CULVERTS & HEADWALLS
- LINE MARKING
- FIRE WATER TANKS BY OTHERS
- WIND ROWS
- INDICATIVE DRAINAGE FLOWS
- EXISTING**
- MAJOR CONTOURS (0.5m INTERVAL)
- MINOR CONTOURS (0.1m INTERVAL)

NOTE

1. FOR GENERAL NOTES, REFER DRG 203.
2. FOR PAVEMENT AREAS & DETAILS REFER DRG 231, 232 & 233.
3. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS REFER 30049148-100-SERIES DRAWINGS.
4. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 30049148-300-SERIES DRAWINGS.
5. CONVAERO SYSTEM HARDSTAND DESIGN BY OTHERS.
6. FOR ELECTRICAL DRAWINGS REFER 30049148-400-SERIES DRAWINGS.

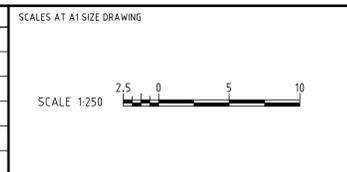
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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
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	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS
						DESIGNER	N.HOLE
						DESIGN CHECK	K.BEARD
						PROJECT MANAGER	B.QUILL
						PROJECT DIRECTOR	W.MOSSE



DESIGNER

an company

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TOWER 4, LEVEL 20, 727 COLLINS STREET
DOCKLANDS VIC 3008
SMEC PROJECT No 30049148

CLIENT

EAST GIPPSLAND SHIRE COUNCIL

PROJECT TITLE		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY	
DETAIL PLAN		SHEET 4	
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	TENDER	30049148-224	11/02/2025 02

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LEGEND

DESIGN

- MC10 CONTROL ALIGNMENT
- 182.0— MAJOR CONTOURS (0.5m INTERVAL)
- MINOR CONTOURS (0.1m INTERVAL)
- PAVEMENT AREAS
- CONCRETE HARDSTAND AREAS
- RIP-RAP AREAS (FOR DETAILS REFER DRG'S 241 TO 244)
- CLEAN WATER SWALE DRAIN

- STORMWATER CULVERTS & HEADWALLS
- LINE MARKING
- FIRE WATER TANKS BY OTHERS
- WIND ROWS
- INDICATIVE DRAINAGE FLOWS
- EXISTING**
- 182.0-- MAJOR CONTOURS (0.5m INTERVAL)
- MINOR CONTOURS (0.1m INTERVAL)

NOTE

1. FOR GENERAL NOTES, REFER DRG 203.
2. FOR PAVEMENT AREAS & DETAILS REFER DRG 231, 232 & 233.
3. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS REFER 30049148-100-SERIES DRAWINGS.
4. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 30049148-300-SERIES DRAWINGS.
5. CONVAERO SYSTEM HARDSTAND DESIGN BY OTHERS.
6. FOR ELECTRICAL DRAWINGS REFER 30049148-400-SERIES DRAWINGS.

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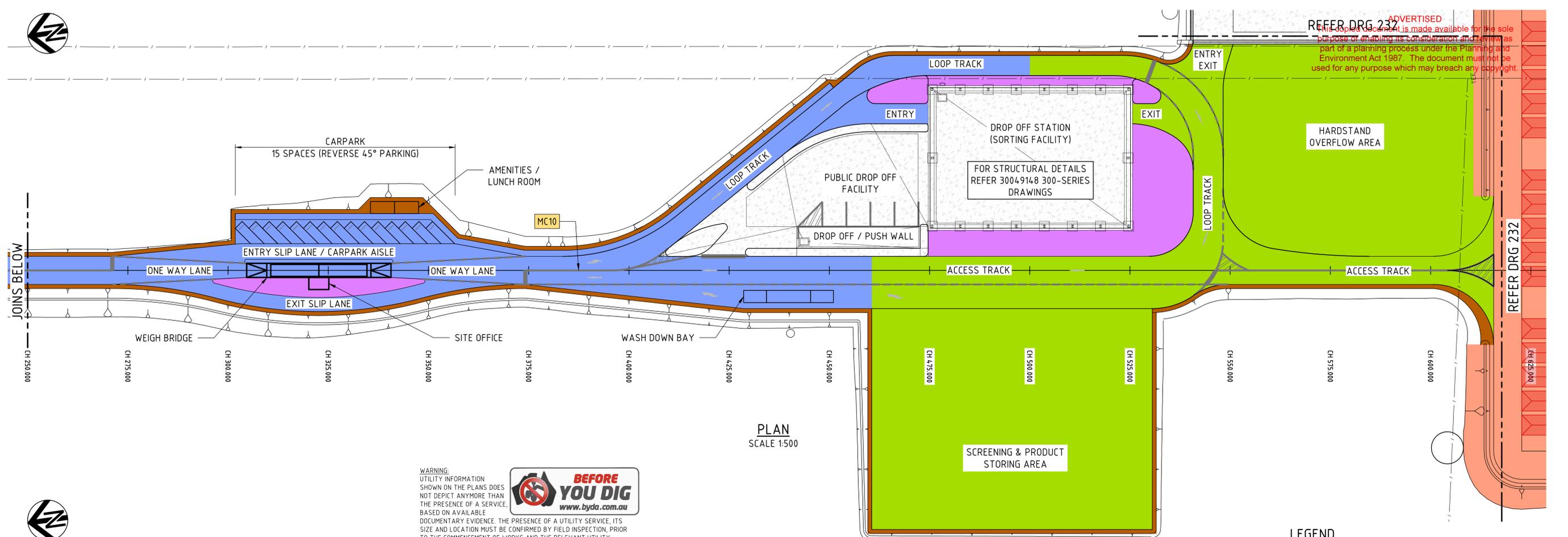


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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
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				02	23.08.24	ISSUED FOR TENDER	002
				APPROVAL	TITLE	NAME	
				B.O.	DRAFTER	N.HOLE	
				B.O.	DRAFTING CHECK	Z.HUMPHREYS	
					DESIGNER	N.HOLE	
					DESIGN CHECK	K.BEARD	
					PROJECT MANAGER	B.QUILL	
					PROJECT DIRECTOR	W.MOSSE	
				SCALES AT A1 SIZE DRAWING			
				SCALE 1:400			
				DESIGNER		 an company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148	
				CLIENT		 EAST GIPPSLAND SHIRE COUNCIL	
				PROJECT TITLE			
				EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY			
				DETAIL PLAN SHEET 5			
SCALE		PHASE		PROJECT / DRAWING No.		REVISION	
AS NOTED		TENDER		30049148-225		11/02/2025 02	

REFER DRG 232 ADVERTISED
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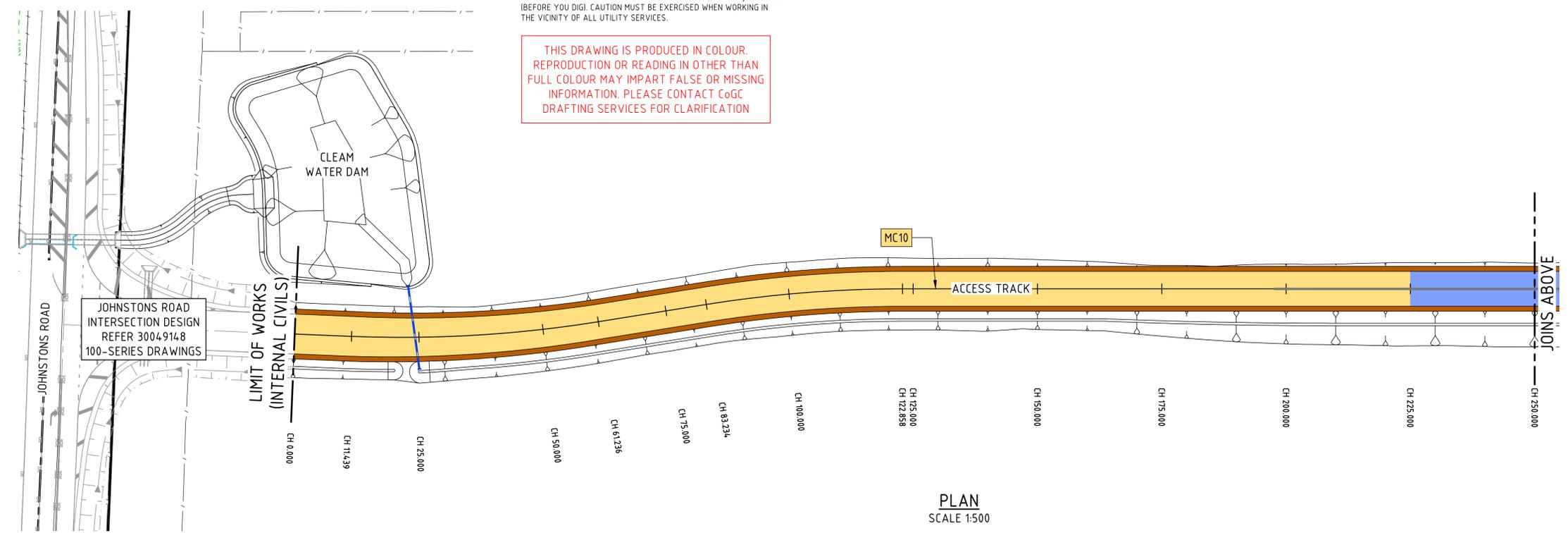
PLAN
SCALE 1:500

WARNING:
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- LEGEND**
- DESIGN**
- PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
 - PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
 - PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
 - PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
 - VERGE (DETAIL V1 - DRG 233)
 - COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
 - CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
 - CONCRETE HARDSTAND (REFER NOTES ON PLAN)
 - MAIN CONTROL ALIGNMENT
 - WIND ROWS

- NOTE**
1. FOR PAVEMENT DETAILS REFER DRG 233.
 2. FOR PAVEMENT INTERFACE DETAILS REFER DRG 233
 3. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS REFER 30049148 100-SERIES DRAWINGS.
 4. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 30049148 300-SERIES DRAWINGS.
 5. CONVAREO SYSTEM HARDSTAND DESIGN BY OTHERS.



PLAN
SCALE 1:500

DRAWING FILE LOCATION / NAME		PLOT DATE		TIME												
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
		01	28.03.24	DRAFT ISSUE	001	B.O.	DRAFTER	N.HOLE	SCALE 1:500			EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY PAVEMENT PLAN SHEET 1	AS NOTED	TENDER	30049148_231	02
		02	23.08.24	ISSUED FOR TENDER	002	B.O.	DRAFTING CHECK	Z.HUMPHREYS								
							DESIGNER	N.HOLE								
							DESIGN CHECK	K.BEARD								
							PROJECT MANAGER	B.QUILL								
							PROJECT DIRECTOR	W.MOSSE								

DETAIL DESIGN

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A1

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LEGEND

- DESIGN**
- PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
 - PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
 - PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
 - PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
 - VERGE (DETAIL V1 - DRG 233)
 - COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
 - CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
 - CONCRETE HARDSTAND (REFER NOTES ON PLAN)
 - MC10 MAIN CONTROL ALIGNMENT
 - WIND ROWS

NOTE

1. FOR PAVEMENT DETAILS REFER DRG 233.
2. FOR PAVEMENT INTERFACE DETAILS REFER DRG 233
3. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS REFER 30049148 100-SERIES DRAWINGS.
4. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 30049148 300-SERIES DRAWINGS.
5. CONVAREO SYSTEM HARDSTAND DESIGN BY OTHERS.

WARNING:
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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME										
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				01	28.03.24	DRAFT ISSUE		001	B.Q.	DRAFTER	N.HOLE	SCALES AT A1 SIZE DRAWING SCALE 1:500	 an company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148	 EAST GIPPSLAND SHIRE COUNCIL	EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY	
				02	23.08.24	ISSUED FOR TENDER		002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS				PAVEMENT PLAN SHEET 2	
									DESIGNER	N.HOLE			SCALE	PHASE	PROJECT / DRAWING No.	REVISION
									DESIGN CHECK	K.BEARD			AS NOTED	TENDER	30049148_233	02
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									PROJECT DIRECTOR	W.MOSSE					Page 31 of 59	

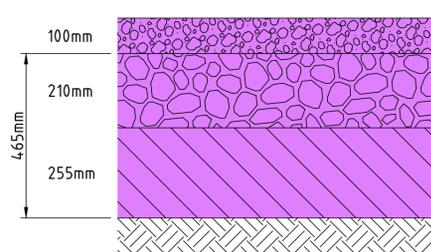
DETAIL DESIGN

APPROVED SEAL 300mm
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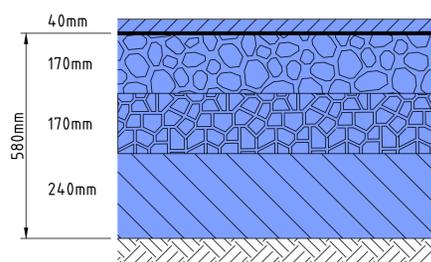
VERGE
 DETAIL V1
 SCALE 1:10

BASE COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 100%)
 SUBGRADE - DESIGN SUBGRADE CBR 2%



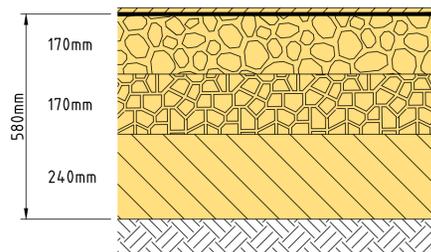
PAVEMENT "TYPE 5"
 DETAIL P5
 SCALE 1:10

WEARING COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 80%)
 BASE COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 80%)
 SELECT MATERIAL - TYPE A MATERIAL (MINIMUM CBR 8%, SWELL ≤ 1.5%)
 SUBGRADE - DESIGN SUBGRADE CBR 2%



PAVEMENT "TYPE 4"
 DETAIL P4
 SCALE 1:10

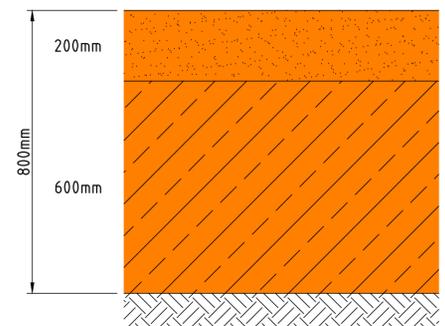
INITIAL SEAL - SIZE 7mm BITUMEN EMULSION (NOT EXCEEDING 60% BITUMEN CONTENT), MINIMUM RATE OF APPLICATION OF RESIDUAL BINDER OF 0.9 l/m²
 WEARING COURSE - SIZE 40mm TYPE N TYPE C320 ASPHALT
 BASE COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 100%)
 SUBBASE COURSE - SIZE 20mm CLASS 4 CRUSHED ROCK, SIZE 20mm CLASS 4 RECYCLED CRUSHED ROCK OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 80%)
 SELECT MATERIAL - TYPE A MATERIAL (MINIMUM CBR 6%, SWELL ≤ 1.5%)
 SUBGRADE - DESIGN SUBGRADE CBR 2%



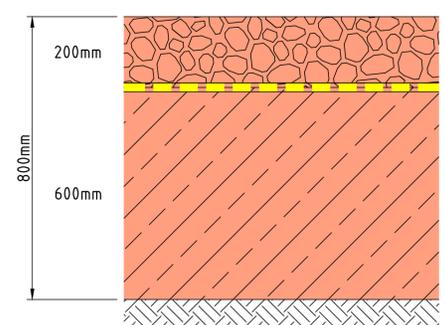
PAVEMENT "TYPE 3"
 DETAIL P3
 SCALE 1:10

SPRAY SEAL - SIZE 14/7mm DOUBLE/DOUBLE SPRAYED SEAL (NOTES 1 & 2)
 PRIME - AMCO "CUTBACK" PRIME AT 1.0 L/M² APPLICATION RATE OR PROPRIETARY BITUMEN EMULSION PRIME
 BASE COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 80%)
 SUBBASE COURSE - SIZE 20mm CLASS 4 CRUSHED ROCK, SIZE 20mm CLASS 4 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 20%)
 SELECT MATERIAL - TYPE A MATERIAL (MINIMUM CBR 8%, SWELL ≤ 1.5%)
 SUBGRADE - DESIGN SUBGRADE CBR 2%

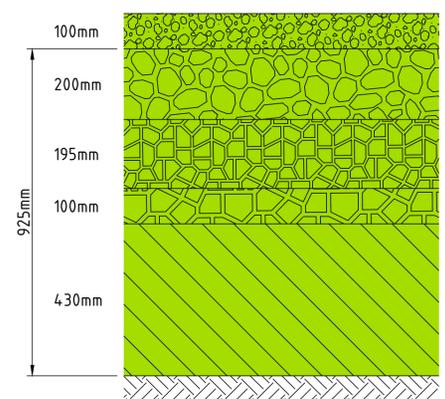
JOHNSTONS ROAD INTERSECTION DESIGN
 REFER 30049148 100-SERIES DRAWINGS
PAVEMENT TYPE 1 & 2



CONTACT WATER DAM
 DETAIL CD
 SCALE 1:10

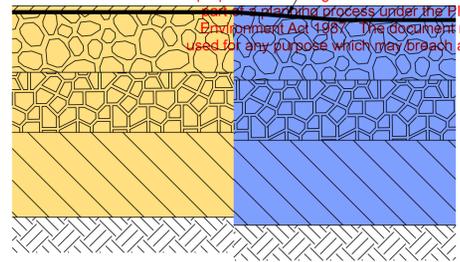


COMPOST MATURATION PAD
 DETAIL CM
 SCALE 1:10

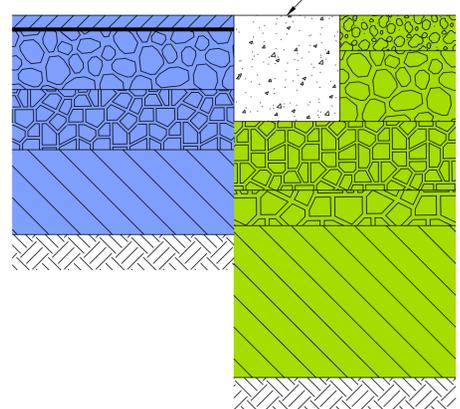


PAVEMENT "TYPE 6"
 DETAIL P6
 SCALE 1:10

SELECT FILL
 COMPACTED CLAY LINER (CCL)
 CRUSHED ROCK
 HIGH VISIBILITY MARKER LAYER
 COMPACTED CLAY LINER (CCL)
 DESIGN SUBGRADE CBR 3%



INTERFACE DETAIL 1
 PAVEMENT TYPE 3 & PAVEMENT TYPE 4
 DETAIL INT1
 SCALE 1:10



INTERFACE DETAIL 2
 PAVEMENT TYPE 4 & PAVEMENT TYPE 6
 DETAIL INT1
 SCALE 1:10

WEARING COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 80%)
 BASE COURSE - SIZE 20mm CLASS 1 CRUSHED ROCK OR SUPPLEMENTARY MATERIAL IN ACCORDANCE WITH DTP TN 107
 UPPER SUBBASE COURSE - SIZE 20mm CLASS 3 CRUSHED ROCK, SIZE 20mm CLASS 3 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 80%)
 LOWER SUBBASE COURSE - SIZE 20mm CLASS 4 CRUSHED ROCK, SIZE 20mm CLASS 4 RECYCLED MATERIAL IN ACCORDANCE WITH DTP TN 107 OR LOCALLY SOURCED MATERIAL WITH A HISTORY OF GOOD PERFORMANCE (MINIMUM CBR 20%)
 SELECT MATERIAL - TYPE A MATERIAL (MINIMUM CBR 6%, SWELL ≤ 1.5%)
 SUBGRADE - DESIGN SUBGRADE CBR 2%

NOTE:
 PAVEMENT PROFILES PRESENTED REPRESENT REMOVE AND REPLACE DESIGN OPTION.
 FOR INSITU STABILISATION LAYERS REFER TO 30049148-PAV-TM-01

150 mm ON ORIGINAL
 150
140
130
120
110
100
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80
70
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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
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	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS
						DESIGNER	N.HOLE
						DESIGN CHECK	K.BEARD
						PROJECT MANAGER	B.QUILL
						PROJECT DIRECTOR	W.MOSSE

SCALES AT A1 SIZE DRAWING

DESIGNER

 an sm company
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 TOWER 4, LEVEL 20, 727 COLLINS STREET
 DOCKLANDS VIC 3008
 SMEC PROJECT No 30049148

CLIENT

 EAST GIPPSLAND SHIRE COUNCIL

PROJECT TITLE EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY PAVEMENT DETAILS			
SCALE AS NOTED	PHASE TENDER	PROJECT / DRAWING No. 30049148-233	REVISION 02

DETAIL DESIGN

GENERAL NOTES

- FOR GENERAL PAVEMENT DETAILS REFER TO DRAWING NO. XXXXX.
- FOR PAVEMENT EDGE DETAILS REFER TO DRAWING NO. YYYY.
- DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS:
 - DTP STANDARD DRAWINGS
 - DTP TECHNICAL SPECIFICATIONS
 - PROJECT SUPPLEMENTARY REQUIREMENTS
 - SMEC'S PAVEMENT DESIGN TECHNICAL MEMORANDUM DATED 20 AUGUST 2024, DOCUMENT NO. 30049148-PAV-TM-001 (SMEC PAVEMENT DESIGN TM)
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT SPECIFICATION FOR THE WORKS TOGETHER WITH THE REQUIREMENTS OF ALL THE RELEVANT CODES OF PRACTICE REFERRED TO THEREIN AND THE REQUIREMENTS OF ALL THE STATUTORY AUTHORITIES WHERE APPLICABLE.
- ALL PROPRIETARY PRODUCTS ARE TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- DIMENSIONS MUST NOT BE OBTAINED FROM SCALING OFF DRAWINGS.
- DTP STANDARD DETAILS ARE TO BE ADOPTED UNLESS OTHERWISE STATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ANY EXISTING INFRASTRUCTURE WILL NOT INHIBIT CONSTRUCTION OF THE PAVEMENT. WHERE THIS ISSUE ARISES, A SOLUTION SHOULD BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO UNDERTAKING THE WORKS.
- AT LOCATIONS OF SHALLOW CULVERTS ALONG JOHNSTON ROAD, THE FOLLOWING ADDITIONAL MEASURES MUST BE TAKEN DURING CONSTRUCTION OF THE PAVEMENT:
 - THE CULVERT SHOULD BE INDEPENDENTLY TESTED TO ENSURE IT IS OF ADEQUATE STRENGTH FOR THE PROJECTED TRAFFIC AND DEPTH OF THE CULVERT;
 - A GEOSYNTHETIC COMPOSITE GRID WILL BE REQUIRED ABOVE THE CULVERTS TO ENSURE UNIFORM SUPPORT IS APPLIED ABOVE THIS STRUCTURE. THIS GRID SHOULD BE PLACED CENTRALLY AND BE NO LESS THAN 2.4 METRES WIDE;
 - THE CONTRACTOR SHALL SUBMIT FOR THE SUPERINTENDENT'S APPROVAL DETAILS OF PROPOSED PLANT AND CONSTRUCTION METHODOLOGY FOR PLACING THE PAVEMENT AT THESE LOCATIONS. ALL GRANULAR LAYERS MUST HAVE A COMPACTED THICKNESS BETWEEN 100MM AND 250MM.
- COLOUR PRINTS OF DRAWING ONLY SHOULD BE USED AS REFERENCE FOR CONSTRUCTION.

LEGISLATION

- ALL WORKS ARE TO BE SUPERVISED BY A SUITABLY QUALIFIED REGISTERED PROFESSIONAL ENGINEER OF VICTORIA, FAMILIAR WITH THE TYPE OF WORK BEING UNDERTAKEN IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN THE PROFESSIONAL ENGINEERS REGISTRATION ACT 2019.

EXISTING PAVEMENT

- WHERE THE EXISTING PAVEMENT IS TO BE OVERLAID, THE PAVEMENT IS TO BE INSPECTED WITH THE SUPERINTENDENT AND THE EXTENT AND DEPTH OF ANY PAVEMENT REPAIRS AGREED.
- THE DEPTH AND EXTENT OF PROFILING OF THE EXISTING PAVEMENT IS TO BE APPROVED BY THE SUPERINTENDENT.

BITUMINOUS TREATMENTS

- SPRAY / SPREAD RATES NOMINATED IN THE BITUMINOUS TREATMENT LEGEND ARE NOMINAL ONLY. THE CONTRACTOR SHALL UNDERTAKE SEAL DESIGNS APPROPRIATE FOR THE CONDITIONS AT THE TIME OF PLACEMENT AND SUBMIT DETAILS IN WRITING TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO UNDERTAKING WORKS.
- THE FINAL SELECTION OF PRIME TYPES AND APPLICATION RATES SHALL BE MADE ON SITE AFTER UNDERTAKING TRIAL SECTIONS (1 M² IN AREA). THE RATE OF PENETRATION AND/OR ADHESION OF THE PRIME IS TO BE ASSESSED IN THE PRESENCE OF THE SUPERINTENDENT ONCE THE PRIME HAS CURED. THE PREFERRED TYPE AND APPLICATION RATE SHALL BE AGREED WITH THE SUPERINTENDENT.
- THE CONTRACTOR MAY SUBSTITUTE THE CUTBACK BITUMEN PRIME AND SEAL WITH EITHER AN EMULSION PRIME FOLLOWED BY A CONVENTIONAL SEAL WITH C170 BINDER OR WITH A BITUMEN EMULSION INITIAL SEAL IF IT CAN BE DEMONSTRATED TO THE SATISFACTION OF THE SUPERINTENDENT THAT THE PROPOSED BITUMINOUS TREATMENT ALTERNATIVES ARE SUITABLE FOR ACHIEVING ADEQUATE PENETRATION AND/OR ADHESION AS PER NOTE 2.
- SEAL DESIGNS, MATERIALS AND CONSTRUCTION REQUIREMENTS SHALL COMPLY WITH THE REQUIREMENTS OF DTP RC500.22, DTP STANDARD SECTION 408 AND AGPT04K AS APPLICABLE.

PAVEMENT DRAINAGE

- PAVEMENT DRAIN CLEANOUT POINTS AND OUTLETS ARE TO BE IN ACCORDANCE WITH DTP STANDARD SECTION 702 AND DTP STANDARD DRAWINGS FOR SUBSURFACE DRAINAGE.
- BITUMINOUS TREATMENTS SHALL NOT BE APPLIED OVER PAVEMENT DRAIN FILTER MEDIA. THE FILTER MEDIA IS TO HAVE INTIMATE CONTACT WITH THE OVERLAYING PAVEMENT LAYER.
- THE CONTRACTOR IS TO CONFIRM LOCATION OF EXISTING PUP AND IDENTIFY POTENTIAL CONFLICTS PRIOR TO PAVEMENT DRAIN INSTALLATION.
- IT IS TO THE DISCRETION OF THE SUPERINTENDENT WHETHER ADDITIONAL DRAINS ARE REQUIRED IF UNEXPECTED SOURCES OF MOISTURE ARE ENCOUNTERED DURING CONSTRUCTION.
- ANY EXISTING SUBSURFACE DRAINAGE ENCOUNTERED DURING CONSTRUCTION ARE TO BE CONNECTED OUTLETS APPROVED BY THE SUPERINTENDENT.
- THE CONSTRUCTION SEQUENCE ADOPTED BY THE CONTRACTOR SHOULD ENSURE THAT PAVEMENT DRAINAGE IS INSTALLED EARLY ENOUGH TO PREVENT A BUILD-UP OF WATER IN THE PAVEMENT AND/OR SUBGRADE DUE TO RAIN DURING CONSTRUCTION.
- GEOTEXTILE WRAPPED NO FINES CONCRETE FILTER MATERIAL SHALL BE ADOPTED IN ALL SUBSURFACE DRAIN LOCATIONS SUBJECT TO TRAFFICKING.

SUBGRADE & SUBGRADE TREATMENT

- PRIOR TO CONSTRUCTION OF EARTHWORKS IN AN AREA OR LOT, THE CONSTRUCTION TEAM SHALL DEVELOP A DETAILED LOCAL EARTHWORK PLAN INCLUSIVE OF A PROPOSAL FOR PAVEMENT DESIGN SUBGRADE VERIFICATION INCLUSIVE OF BOTH PAVEMENT DESIGN CBR AND PAVEMENT DESIGN CBR SWELL VERIFICATION PROCEDURES. ADVICE ON SUBGRADE VERIFICATION IS PROVIDED IN SMEC'S PAVEMENT DESIGN TM. THE CONTRACTOR'S EARTHWORKS PLAN MUST BE APPROVED BY THE SUPERINTENDENT PRIOR TO EARTHWORKS COMMENCING AND MUST INCLUDE DETAILS OF LIME STABILISATION MIX DESIGN AS PER 'LIME STABILISATION' NOTES ON THIS DRAWING.
- SUBGRADE DEPTH IS DEFINED AS ALL MATERIALS UNDER THE NEW OR RECONSTRUCTED PAVEMENT TO A DEPTH OF 1.5M BENEATH SUBGRADE LEVEL FOR BOTH PAVEMENT ON EMBANKMENT AND IN CUT.
- SUBGRADE LEVEL IS AS SHOWN ON THE PAVEMENT PROFILES PER DRAWING NO. ZZZZ
- ONCE THE SUBGRADE HAS BEEN INSPECTED AND SUBGRADE TEST RESULTS ARE RECEIVED BY THE SUPERINTENDENT THE NEED FOR ANY SUBGRADE IMPROVEMENT, SUBGRADE CUTTING TREATMENT OR ADJUSTMENT TO THE PAVEMENT THICKNESSES WILL BE ADVISED BY THE SUPERINTENDENT.
- THE SUPERINTENDENT MAY DIRECT ADDITIONAL TESTING OF THE SUBGRADE/EXISTING EMBANKMENT FOLLOWING THE INSPECTION AND PRIOR TO PLACEMENT OF ANY PAVEMENT LAYERS.
- PAVEMENT TRANSITIONS SHALL BE CONFIRMED ON SITE BASED ON ACTUAL SUBGRADE CONDITIONS. THE CONTRACTOR SHALL OBTAIN CONFIRMATION OF ALL PAVEMENT TRANSITIONS FROM THE SUPERINTENDENT PRIOR TO THE PLACEMENT OF ANY PAVEMENT LAYERS.
- WHERE SUBSURFACE WATER IS OBSERVED OR ROCK SUBGRADE ENCOUNTERED, THE CONTRACTOR SHALL IMPLEMENT A SUBGRADE DRAINAGE TREATMENT AS DIRECTED BY THE SUPERINTENDENT, FOLLOWING ADVICE FROM THE GEOTECHNICAL SPECIALIST AND PAVEMENT ENGINEER.
- IF THE PAVEMENT ASSIGNED SUBGRADE CBR DETERMINED FOLLOWING THE REQUIREMENTS OF THE CONTRACTOR'S EARTHWORKS PLAN IS LESS THAN THE DESIGN SUBGRADE CBR (REFER TO TABLE 1), SUBGRADE TREATMENT WILL BE REQUIRED AS PER TABLE 2. SUBGRADE TREATMENT SHALL CONSIST OF REMOVE AND REPLACE UNSUITABLE SUBGRADE WITH WELL GRADED COARSE GRAVEL, CRUSHED ROCK OR ROCK FILL WRAPPED IN GEOTEXTILE. WHERE ROCK FILL IS USED, A MINIMUM THICKNESS OF 300MM SHALL BE ADOPTED.
- SUBGRADE TREATMENT DEPTHS SPECIFIED SHALL BE CONSIDERED A MINIMUM DEPTH. ADDITIONAL REPLACEMENT DEPTH AND INCLUSION OF GEOSYNTHETIC LAYER IN ACCORDANCE WITH DTP RC500.22 AND DTP TN 210 MAY BE REQUIRED BY THE SUPERINTENDENT TO ENSURE THE PROOF ROLL TEST REQUIREMENTS ARE MET. BEFORE ENGAGING IN FULL-SCALE SUBGRADE REPLACEMENT, THE CONTRACTOR SHALL COMPLETE A SHORT TRIAL SECTION AND UNDERTAKE PROOF ROLL TO CONFIRM REPLACEMENT DEPTH IS SUFFICIENT AND THAT NO GEOSYNTHETIC INSTALLATION IS REQUIRED AS PART OF THE TREATMENT.
- IF THE PAVEMENT ASSIGNED SUBGRADE CBR SWELL DETERMINED FOLLOWING THE REQUIREMENTS OF THE CONTRACTOR'S EARTHWORKS PLAN IS GREATER THAN THE DESIGN SUBGRADE CBR SWELL (REFER TO TABLE 1), SUBGRADE TREATMENT WILL BE REQUIRED AS PER TABLE 3.
- THE MINIMUM NON-EXPANSIVE MATERIAL COVER THICKNESS OR REPLACEMENT DEPTH FOR VERY HIGH AND HIGHLY EXPANSIVE MATERIAL INCLUDES THE COMBINED THICKNESS OF PAVEMENT, SUBGRADE TREATMENT MATERIALS, GROUND SURFACE TREATMENT MATERIALS, SPECIAL EMBANKMENT MATERIALS AND EARTH FILL MATERIAL. NON-EXPANSIVE MATERIAL SHALL BE DEFINED AS THAT WITH A 4-DAY SOAKED CBR SWELL < 1.5%.

TABLE 1: DESIGN SUBGRADE CBR AND SWELL SUMMARY

PAVEMENT TYPE	DESIGN SUBGRADE CBR	DESIGN SUBGRADE CBR SWELL
ALL	≥ 2	≤ 2.5%

TABLE 2: DESIGN SUBGRADE CBR AND SWELL SUMMARY

ASSIGNED LOT SUBGRADE 4-DAY SOAKED CBR (%)	DEPTH OF UNBOUND GRANULAR MATERIAL OR ROCK FILL WRAPPED IN GEOTEXTILE (MM)
< 1%	ADVICE FROM GEOTECHNICAL ENGINEER SHALL BE SOUGHT.
1% TO < 1.5%	250
1.5% TO < 2%	150

TABLE 3: MINIMUM COVER REQUIREMENTS FOR EXPANSIVE SOILS

ASSIGNED LOT SUBGRADE 4-DAY SOAKED CBR SWELL	SWELL CLASSIFICATION	MINIMUM THICKNESS OF NON-EXPANSIVE COVER MATERIAL (INCLUDING PAVEMENT)	
		JOHNSTON RD	INTERNAL ACCESS RD
> 10%	EXTREME	ADVICE FROM GEOTECHNICAL ENGINEER SHALL BE SOUGHT.	
>2.5%	HIGHLY	620	455

ASPHALT COURSES

- WHERE ASPHALT AND UNSEALED PAVEMENTS MEET CARE SHOULD BE TAKEN WHEN TRAFFICKING THE PAVEMENT JOINT BY: AVOIDING TURNING WHILE PASSING OVER THE JOINT; LIMIT MOVEMENTS ESPECIALLY FROM WHEEL LOADERS; ADDRESSING PREMATURE FATIGUE QUICKLY. TO PROTECT THE ASPHALT JOINTS, A CONCRETE SLAB IS RECOMMENDED AT THE FACE AS ADDITIONAL REINFORCEMENT PARTICULARLY BETWEEN SEALED AND UNSEALED SECTIONS.

CONSTRUCTION JOINTS

- LONGITUDINAL CONSTRUCTION JOINTS BETWEEN DIFFERENT PAVEMENT TYPES SHALL BE LOCATED OUTSIDE THE WHEEL PATHS, WHERE SHOWN ON THE PAVEMENT LAYOUT PLANS. THE ACCEPTABLE LOCATIONS FOR CONSTRUCTION JOINTS OUTSIDE WHEEL PATHS ARE ON THE LANE LINE MARKING, MIDDLE OF THE NEW TRAFFIC LANE OR ANYWHERE IN THE NEW SHOULDER.
- CONSTRUCTION JOINTS BETWEEN NEW PAVEMENTS AND EXISTING RESURFACE PAVEMENT SHALL, IN ALL CASES, BE OUTSIDE THE WHEEL PATHS.
- CONSTRUCTION JOINTS SHALL BE LOCATED IN A MANNER WHICH PROVIDES THE MINIMUM PAVEMENT BOX WIDTH NECESSARY TO ACHIEVE MECHANICAL COMPACTION OF ALL PAVEMENT LAYERS WITH A ROLLER.

UNSEALED PAVEMENT

- IT IS ASSUMED THE UNSEALED ROAD PAVEMENT WILL BE CONSTRUCTED FOLLOWING COMPLETION OF THE OTHER WORKS AT THE PROJECT SITE. ACCORDINGLY, NO ALLOWANCE HAS BEEN MADE FOR CONSTRUCTION TRAFFICKING OF THE PAVEMENT
- THE PAVEMENT SHALL BE CONSTRUCTED IN A MANNER WHICH IT IS FREE-DRAINING AND THERE IS NO RISK OF MOISTURE BEING TRAPPED WITHIN THE PAVEMENT OR AT THE INTERFACE WITH THE SUBGRADE. THIS SHOULD INCLUDE BUT NOT BE LIMITED TO, ENSURING THE PAVEMENT LAYERS ARE DAYLIGHTED ON THE LOW SIDE OF THE PAVEMENT. IT IS DESIRABLE TO HAVE HIGHER CROSSFALL TO FACILITATE SURFACE RUNOFF AND DISCHARGE OF WATER VIA TABLE DRAINS.

LIME STABILISATION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT LIME STABILISATION MIX DESIGNS AS REQUIRED TO MEET THE MINIMUM REQUIREMENTS OF:
 - DTP TEST METHOD RC301.04 (JUNE 2017) 'LIME STABILISED EARTHWORKS MATERIALS'; AND
 - DTP STANDARD SECTION 290 (JULY 2019) 'LIME STABILISATION OF EARTHWORKS MATERIALS'.
- TESTING REQUIREMENTS FOR 'SCALE B ASSESSMENT' SHALL APPLY
- A PRELIMINARY TRIAL SHALL BE UNDERTAKEN IN ACCORDANCE WITH CLAUSE 290.11 OF DTP STANDARD SECTION 290
- THE FOLLOWING DESIGN REQUIREMENTS SHALL APPLY:
 - ALL 4-DAY SOAKED CBR SAMPLES COMPACTED AT OMC AND 95% OF MDD WITH 4.5 KG SURCHARGE MUST RETURN:
 - A MINIMUM CBR STRENGTH OF 8%
 - A MAXIMUM CBR SWELL OF 1.5%
 - MAXIMUM PERMEABILITY OF 5 X 10-9 M/SEC
 - MINIMUM STABILISATION DEPTH OF 300MM
- DETERMINATION OF THE LIME DOSAGE RATE MUST BE AUGMENTED BY 28-DAY UCS TESTING UNDERTAKEN IN ACCORDANCE WITH AS 5101.4 AND FOR A RANGE OF LIME CONTENTS. THE LIME DOSAGE RATE BASED ON UCS TESTING SHALL BE THAT WHICH ACHIEVES THE MAXIMUM UCS, TAKEN FROM THE VERTEX POINT OF THE PARABOLA WHEN RESULTS ARE PLOTTED. AN ADDITIONAL 1% SHALL BE ADDED AS A FIELD ALLOWANCE. THE ADOPTED LIME DOSAGE RATE FOR THE WORKS SHALL BE THE GREATER OF THIS VALUE AND THE DOSAGE RATE DETERMINED IN ACCORDANCE WITH NOTE 1 TO 4 ABOVE.
- TESTING FOR DELETERIOUS MATERIALS SHALL BE UNDERTAKEN AS BELOW:
 - GIVING DUE CONSIDERATION TO PRESENCE OF DELETERIOUS MATERIALS SUCH AS SULPHATE, FERRIC OXIDE AND ORGANIC CONTENTS INTERFERING WITH THE HYDRATION PROCESS AND COMPETITION WITH THE STABILISING AGENT. PRESENCE OF SULPHATES CAN INTERFERE WITH THE POZZOLANIC REACTIONS DUE TO THE FORMATION OF VERY EXPANSIVE HYDRATES WHICH IF FORMED AFTER COMPACTION, CAN RESULT IN HEAVY. FERRIC OXIDE CAN ALSO INTERFERE WITH THE POZZOLANIC REACTIONS.
 - A GUIDE TO DELETERIOUS MATERIALS LIMITS ARE PROVIDED IN TABLE 4 BELOW. COMPLIANCE TESTING FOR DELETERIOUS MATERIAL LIMITS SHALL BE UNDERTAKEN AT THE DISCRETION OF THE SUPERINTENDENT'S GEOTECHNICAL ENGINEER.

TABLE 4: DELETERIOUS MATERIALS COMPLIANCE LIMITS

DELETERIOUS MATERIALS	LIMITS (MAXIMUM)
SULFATE CONTENT	< 0.3%
FERRIC OXIDE	≤ 2%
ORGANIC CONTENT	≤ 1%

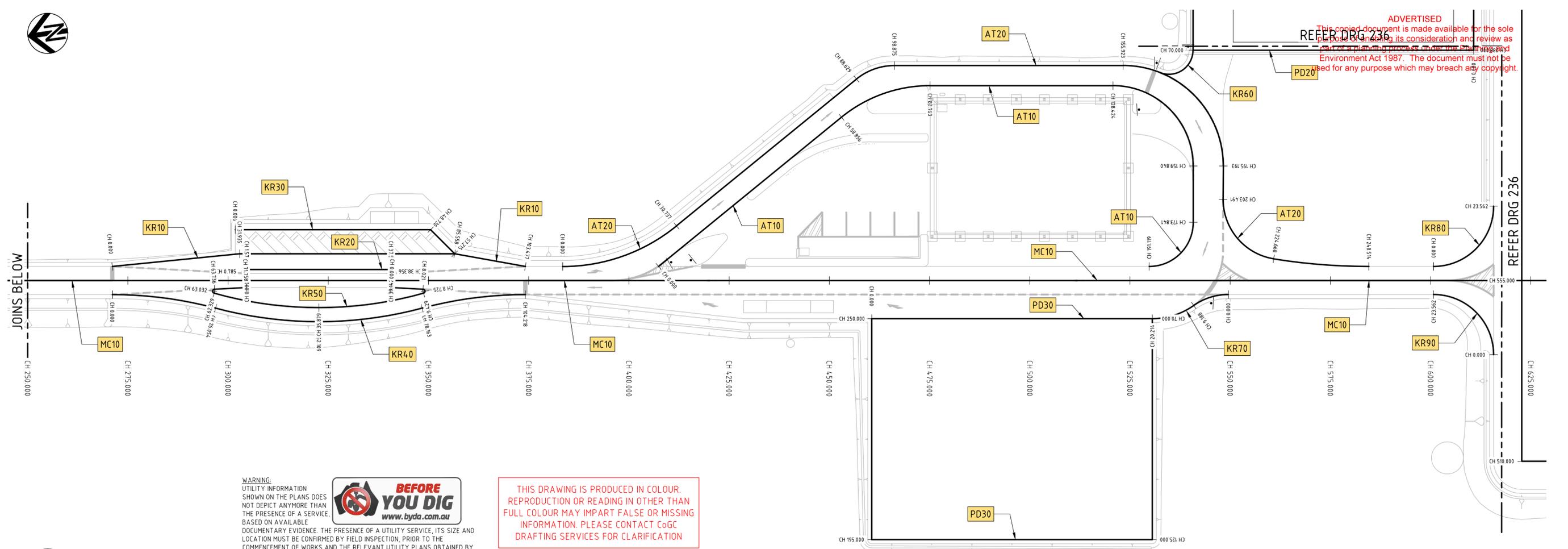
- THE REQUIREMENTS FOR LIME STABILISATION SHALL BE DETAILED IN THE CONTRACTOR'S EARTHWORKS PLAN (SEE 'SUBGRADE & SUBGRADE TREATMENT' NOTES ON THIS DRAWING) AND BE APPROVED BY THE SUPERINTENDENT'S GEOTECHNICAL ENGINEER.

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0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
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				02	23.08.24	ISSUED FOR TENDER		002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS								
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										DESIGN CHECK	K.BEARD								
										PROJECT MANAGER	B.QUILL								
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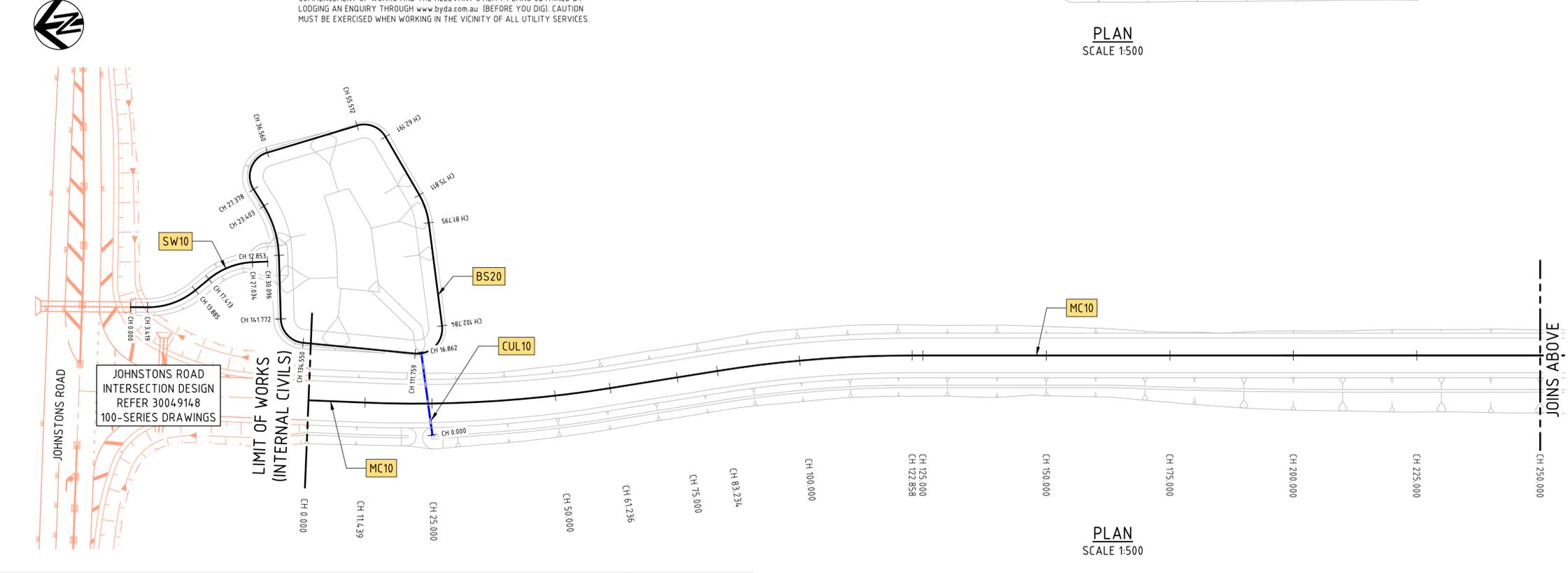


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PLAN
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LEGEND

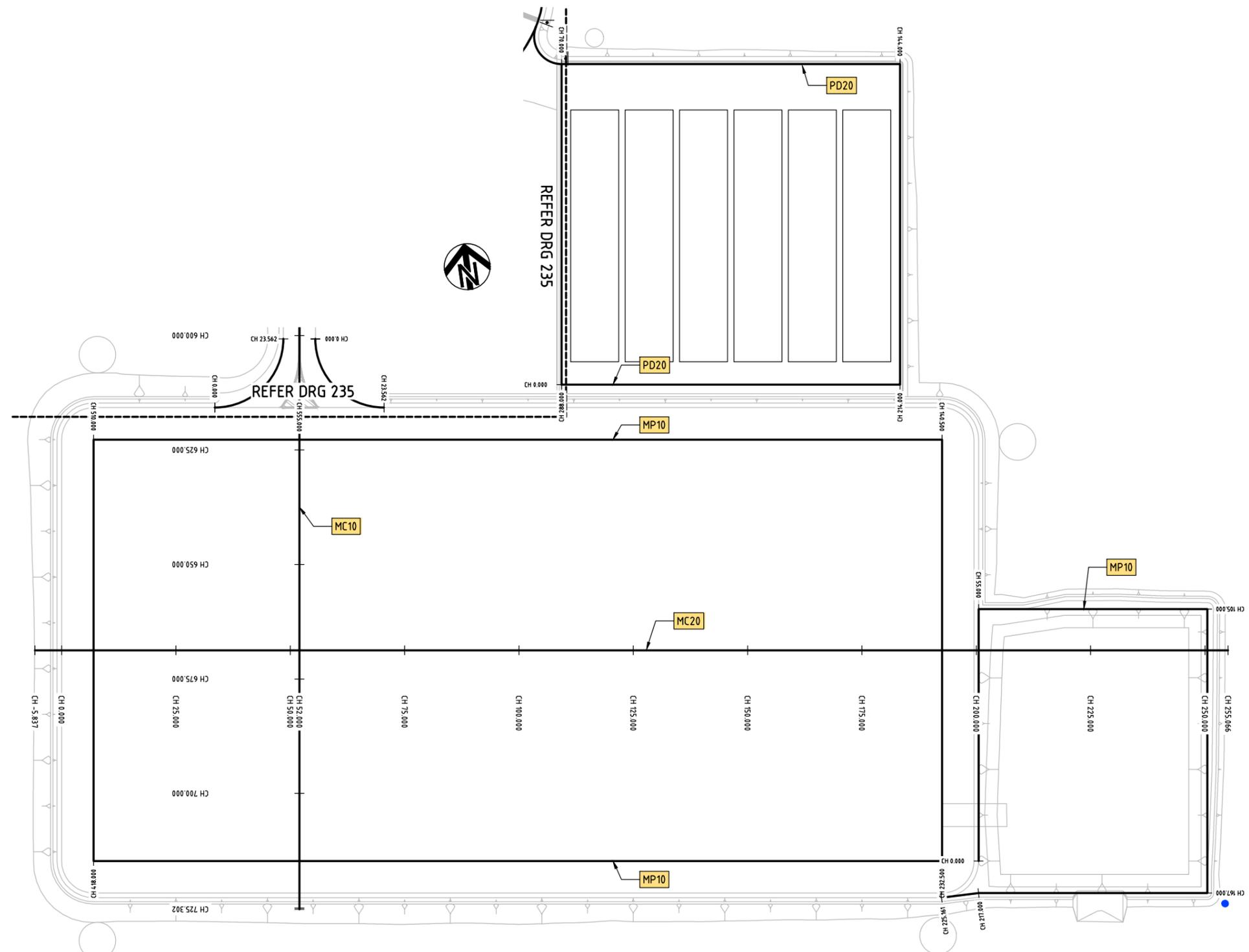
- DESIGN**
- MC10 CONTROL NAME
 - CONTROL ALIGNMENT
 - CH 0.000 CHAINAGE POINTS
 - DESIGN

NOTE

1. FOR GENERAL NOTES, REFER DRG 203.
2. FOR LONGITUDINAL SECTIONS REFER TO DRG'S 251 TO 257.
3. FOR PAVEMENT AREAS & DETAILS REFER DRG 231, 232 & 233.
4. FOR JOHNSTONS ROAD INTERSECTION PAVEMENT DESIGN & DETAILS, REFER 30049148-100-SERIES DRAWINGS.
5. FOR STRUCTURAL HARDSTAND DESIGN & DETAILS REFER 30049148-300-SERIES DRAWINGS.
6. CONVAREO SYSTEM HARDSTAND DESIGN BY OTHERS.

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										DESIGN CHECK	K.BEARD	PROJECT MANAGER	B.QUILL	
										PROJECT DIRECTOR	W.MOSSE			
								SCALES AT A1 SIZE DRAWING SCALE 1:500		DESIGNER © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148				
								CLIENT EAST GIPPSLAND SHIRE COUNCIL		PROJECT TITLE EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY SETOUT PLAN SHEET 1				
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- MC10 CONTROL NAME
- CONTROL ALIGNMENT
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NOTE

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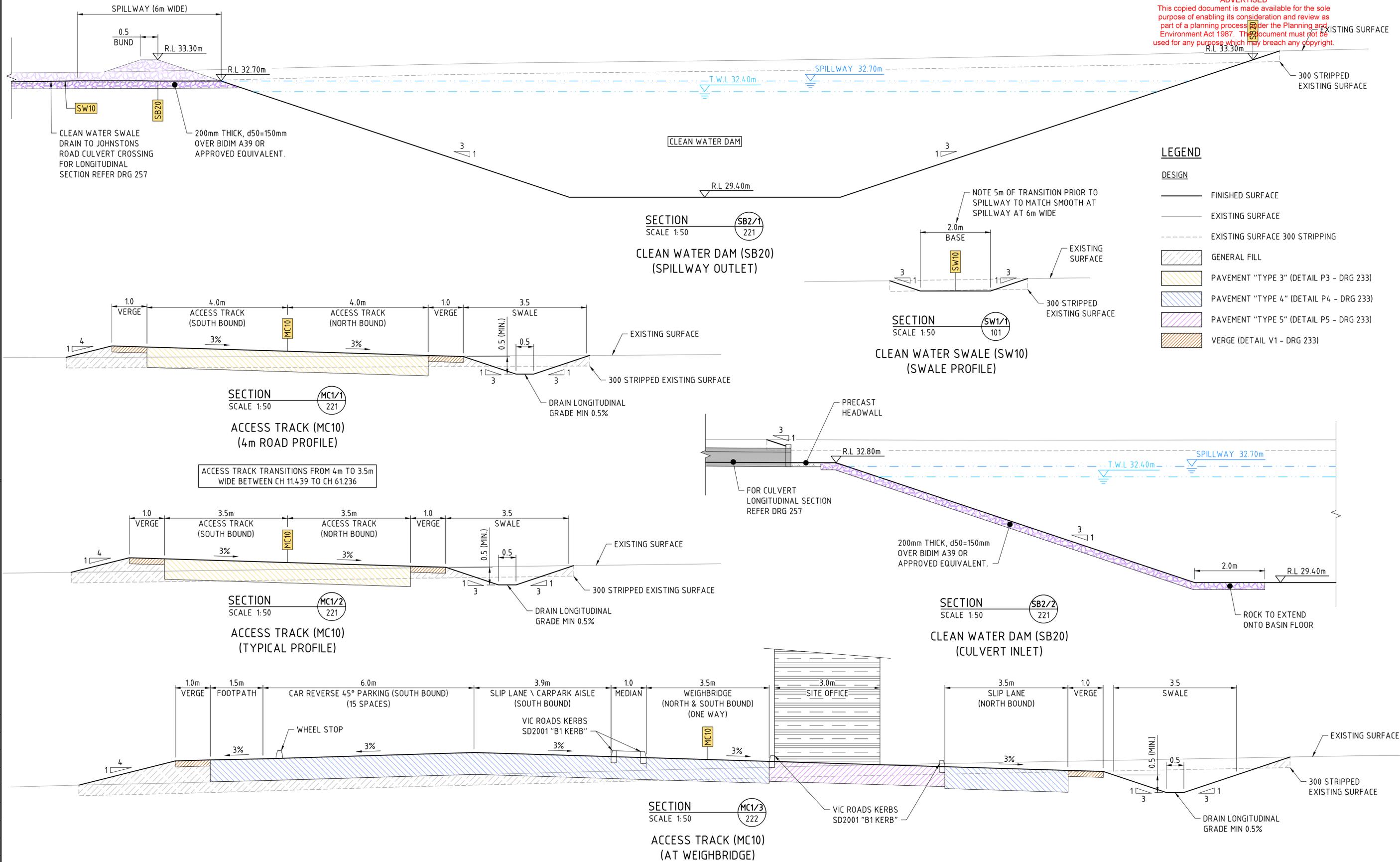
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				DESIGN CHECK		K.BEARD	PROJECT NO			30049148-235								
				PROJECT MANAGER		B.QUILL	PROJECT TITLE			EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY								
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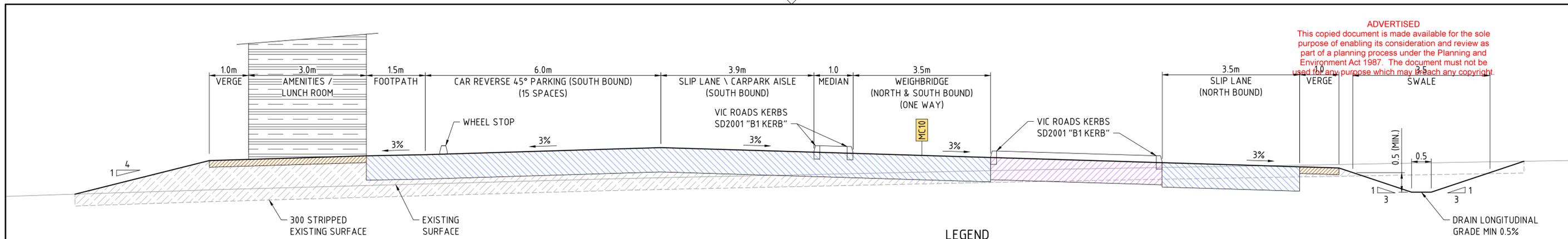


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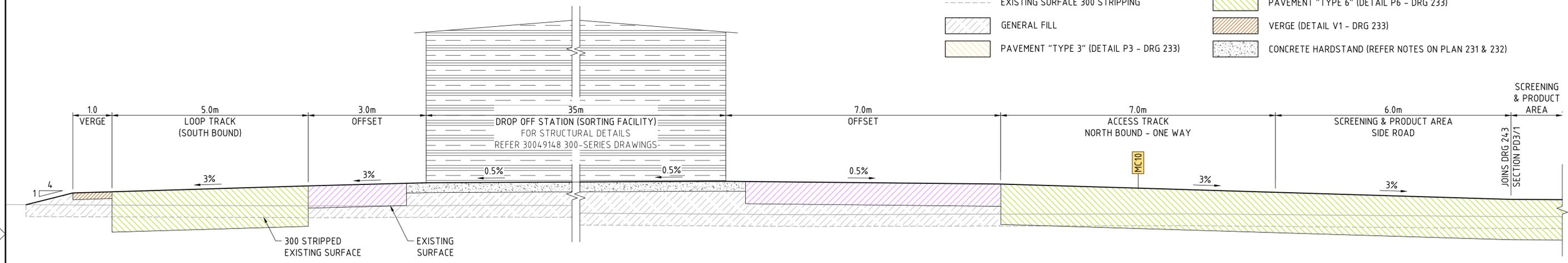
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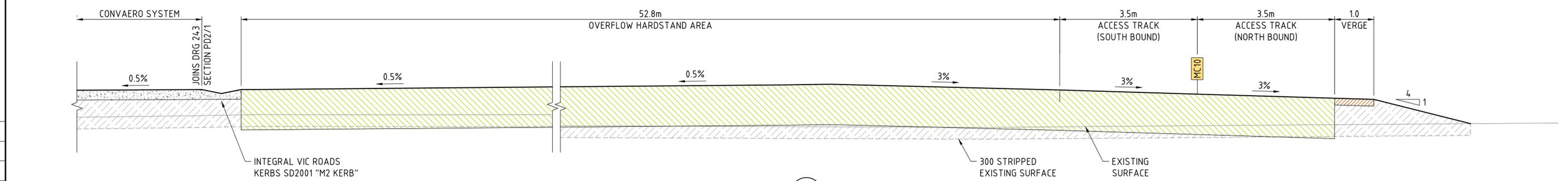
SECTION MC1/4
 SCALE 1:50
 ACCESS TRACK (MC10)
 (AT AMENITIES & LUNCH ROOM)

LEGEND

- DESIGN
- FINISHED SURFACE
 - - - EXISTING SURFACE
 - - - EXISTING SURFACE 300 STRIPPING
 - ▨ GENERAL FILL
 - ▨ PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
 - ▨ PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
 - ▨ PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
 - ▨ PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
 - ▨ VERGE (DETAIL V1 - DRG 233)
 - ▨ CONCRETE HARDSTAND (REFER NOTES ON PLAN 231 & 232)



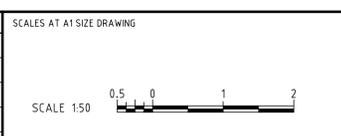
SECTION MC1/5
 SCALE 1:50
 ACCESS TRACK (MC10)
 (AT DROP OF STATION (SORTING FACILITY))



SECTION MC1/6
 SCALE 1:50
 ACCESS TRACK (MC10)
 (AT OVERFLOW HARDSTAND AREA)

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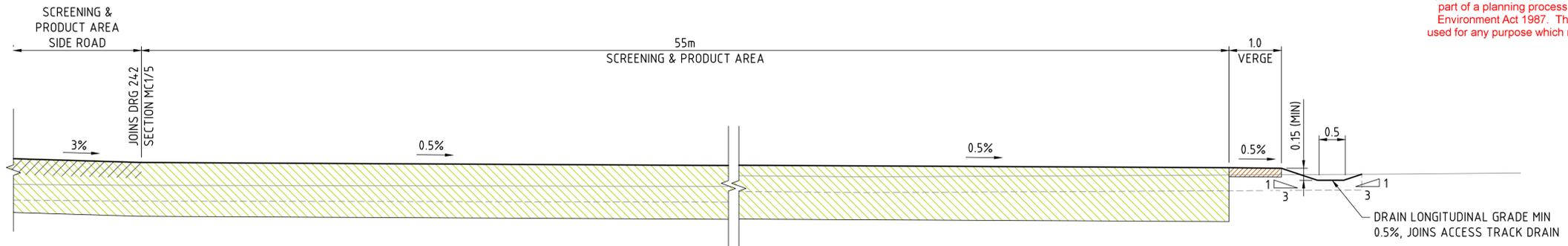
CLIENT

EAST GIPPSLAND SHIRE COUNCIL

PROJECT TITLE		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY	
TYPICAL SECTIONS SHEET 2			
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DETAIL DESIGN

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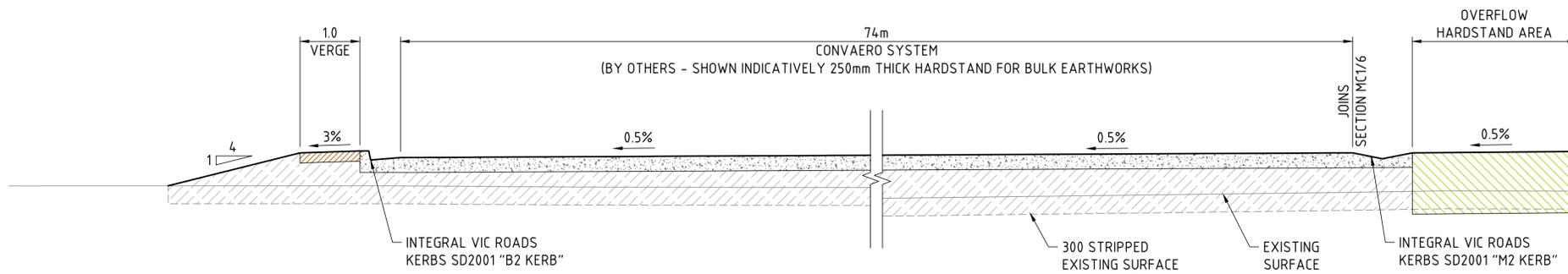


SECTION PD3/1
 SCALE 1:50

SCREENING & PRODUCT AREA (PD30)
 (PERPENDICULAR TO ACCESS TRACK - JOIN SECTION MC1/5)

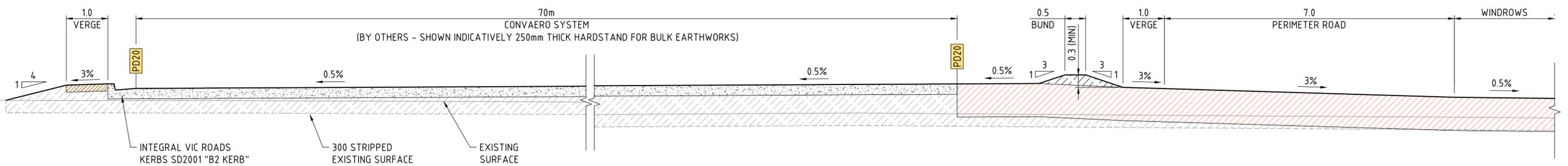
LEGEND

- DESIGN
- FINISHED SURFACE
 - EXISTING SURFACE
 - - - EXISTING SURFACE 300 STRIPPING
 - [Pattern] SELECT FILL
 - [Pattern] PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
 - [Pattern] PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
 - [Pattern] PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
 - [Pattern] PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
 - [Pattern] VERGE (DETAIL V1 - DRG 233)
 - [Pattern] CONCRETE HARDSTAND (REFER NOTES ON PLAN 231 & 232)
 - [Pattern] COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)



SECTION PD2/1
 SCALE 1:50

CONVAERO SYSTEM (PD20)
 (PERPENDICULAR TO ACCESS TRACK - JOIN SECTION MC1/6)



SECTION PD2/2
 SCALE 1:50

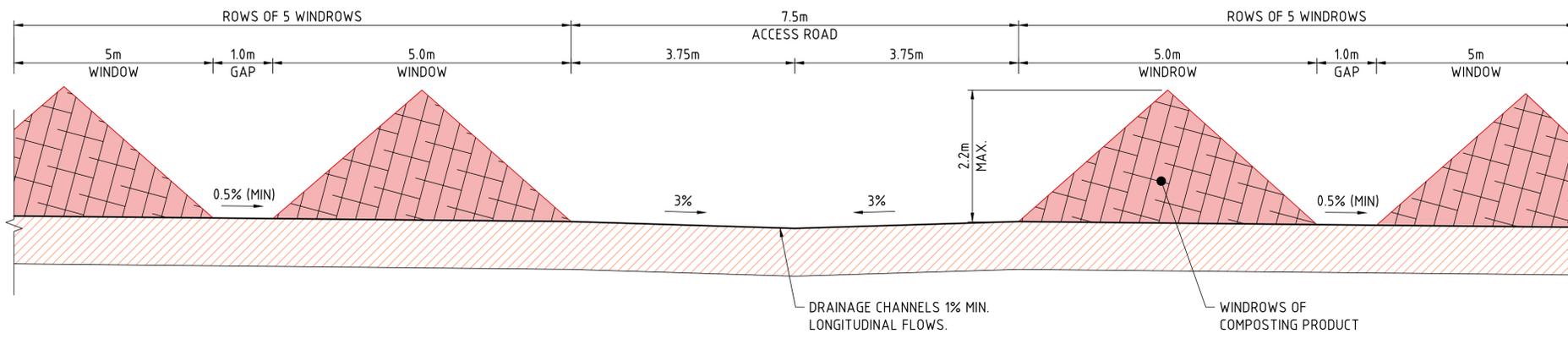
CONVAERO SYSTEM (PD20)
 (PERPENDICULAR TO MATURATION PAD)

150 mm ON ORIGINAL
 A1
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				01	28.03.24	DRAFT ISSUE	001	B.Q.	DRAFTER	N.HOLE	SCALE 1:50	 an sm company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148	 EAST GIPPSLAND SHIRE COUNCIL	EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY TYPICAL SECTIONS SHEET 3	AS	NOTED	30049148_243	02
				02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS								
									DESIGNER	N.HOLE								
									DESIGN CHECK	K.BEARD								
									PROJECT MANAGER	B.QUILL								
									PROJECT DIRECTOR	W.MOSSE								

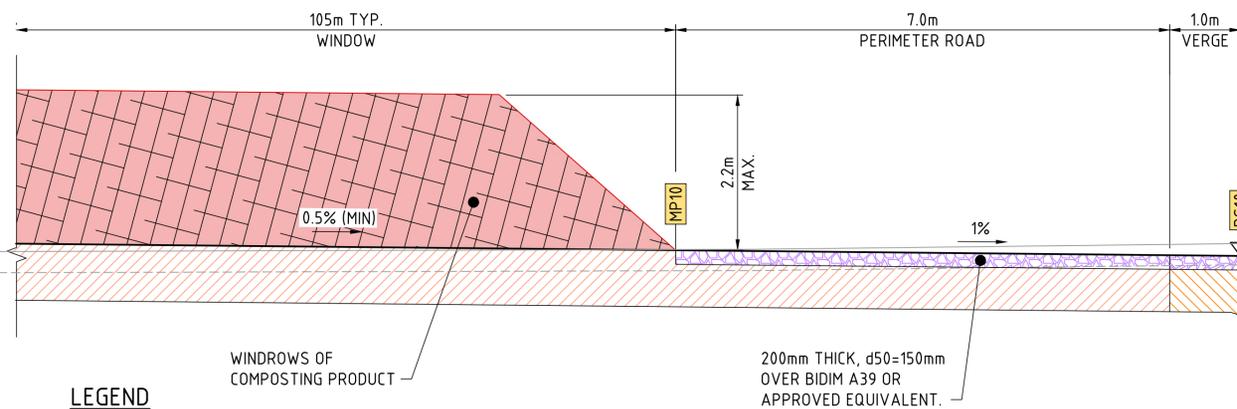
DETAIL DESIGN

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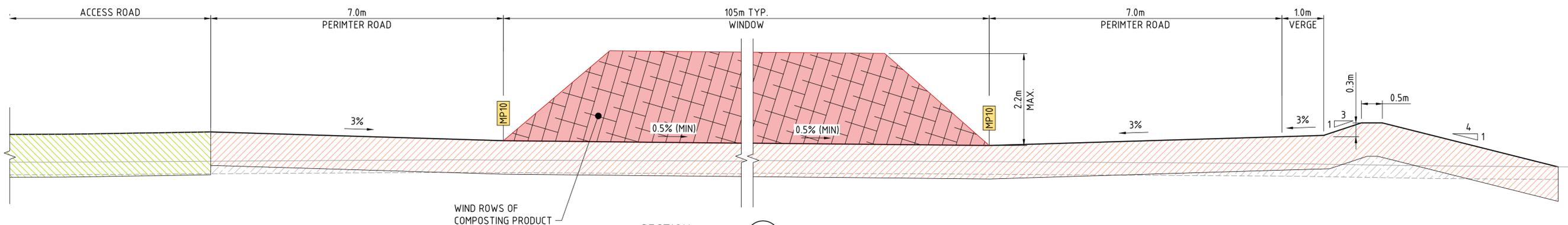
SECTION MP1/1
 SCALE 1:50

MATURATION PAD (MP10)
 (ACCESS TRACK BETWEEN WINDROWS)



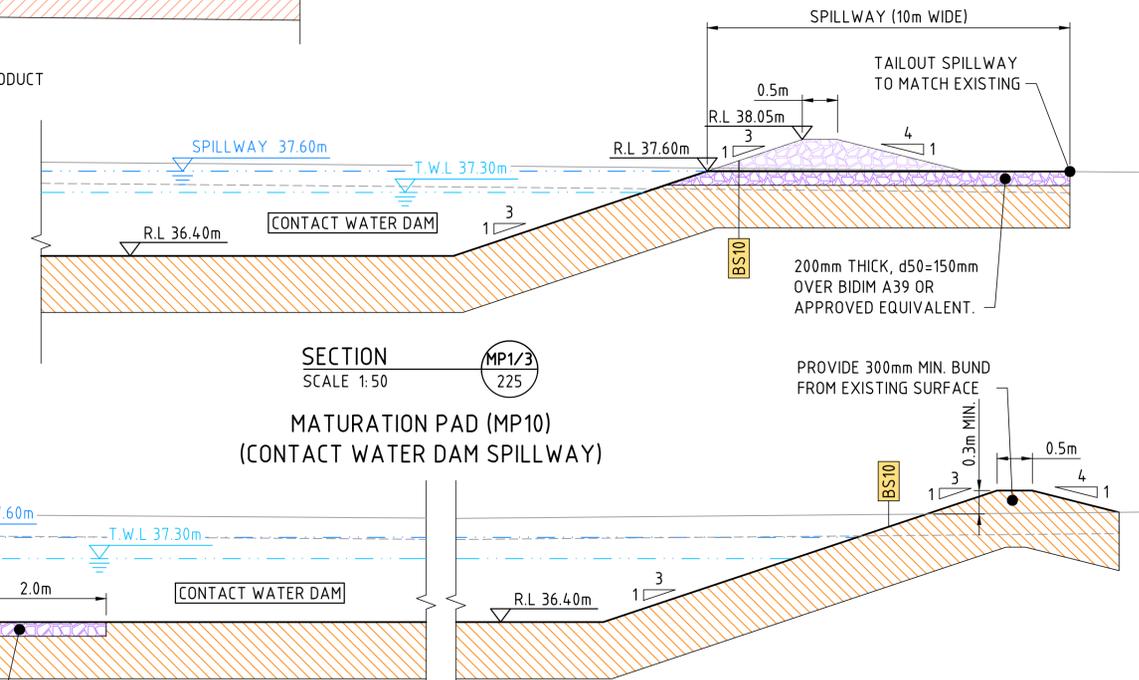
SECTION MP1/2
 SCALE 1:50

MATURATION PAD (MP10)
 (CONTACT WATER DAM INLET)



SECTION MP1/4
 SCALE 1:50

MATURATION PAD (MP10)
 (ACCESS TRACK ENTRY)



SECTION MP1/3
 SCALE 1:50

MATURATION PAD (MP10)
 (CONTACT WATER DAM SPILLWAY)

LEGEND

DESIGN

- FINISHED SURFACE
- - - EXISTING SURFACE
- - - EXISTING SURFACE 300 STRIPPING
- ▨ GENERAL FILL
- ▨ PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
- ▨ COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
- ▨ CONTACT WATER DAM (REFER DETAIL CD - DRG 233)

150 mm ON ORIGINAL
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DETAIL DESIGN

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EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
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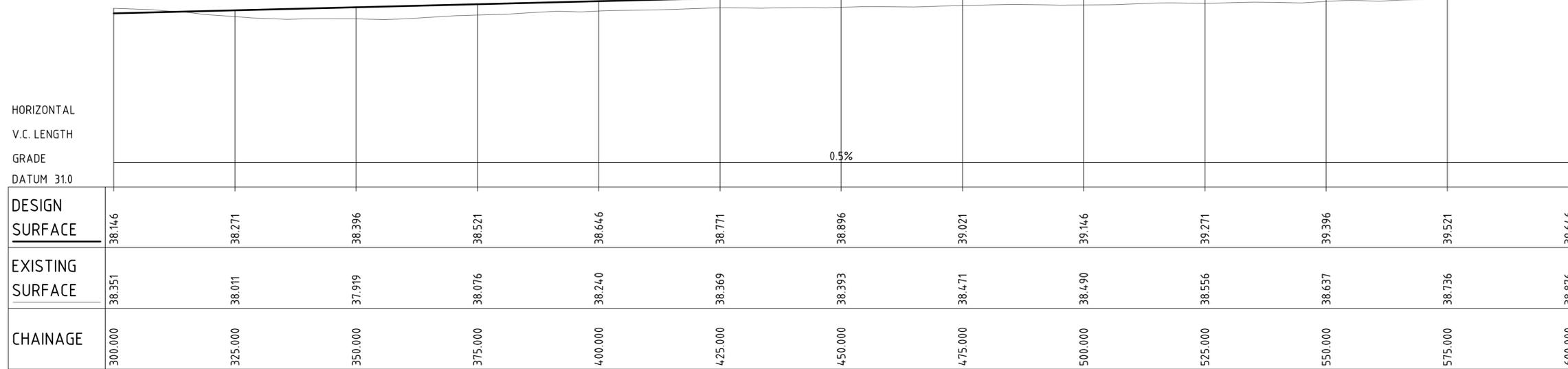
TITLE	NAME
DRAFTER	N.HOLE
DRAFTING CHECK	Z.HUMPHREYS
DESIGNER	N.HOLE
DESIGN CHECK	K.BEARD
PROJECT MANAGER	B.QUILL
PROJECT DIRECTOR	W.MOSSE

DESIGNER
smec
 an **SB** company
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 TOWER 4, LEVEL 20, 727 COLLINS STREET
 DOCKLANDS VIC 3008
 SMEC PROJECT No 30049148

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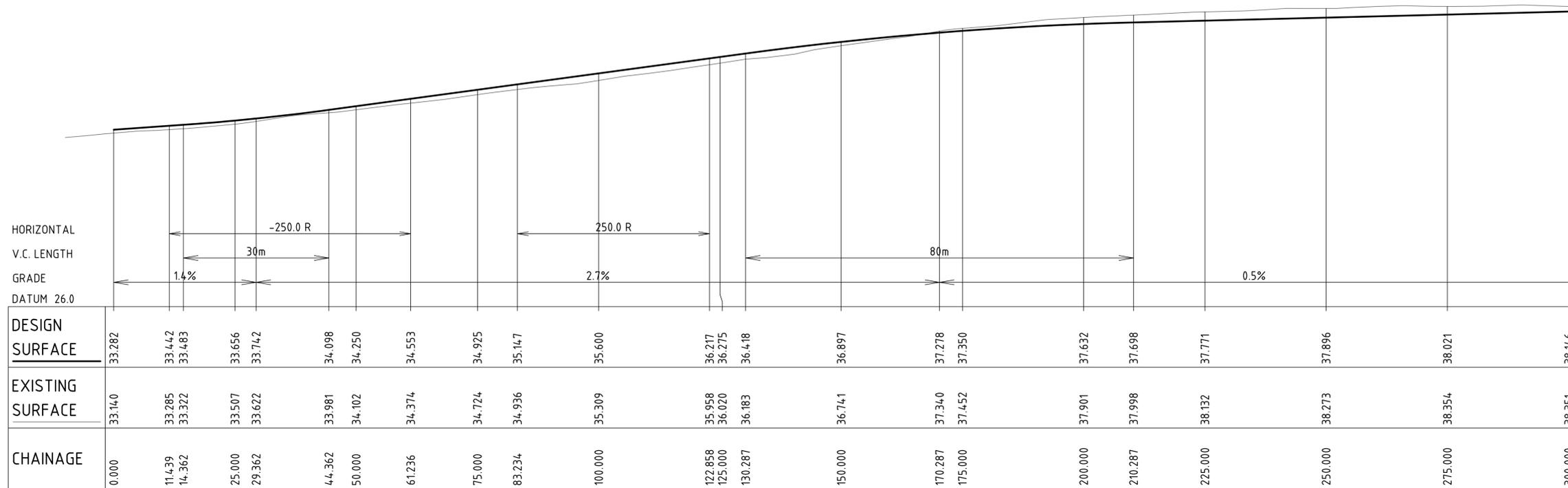
 EAST GIPPSLAND
 SHIRE COUNCIL

PROJECT TITLE		PROJECT / DRAWING No.		REVISION
EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY		30049148-244		02
SCALE	PHASE	PROJECT / DRAWING No.		REVISION
AS NOTED	TENDER	30049148-244		02



LONGITUDINAL SECTION - MC10

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VERTICAL 1:100

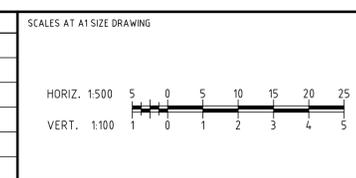


LONGITUDINAL SECTION - MC10

SCALE HORIZONTAL 1:500
VERTICAL 1:100

150 mm ON ORIGINAL
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DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
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	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS
						DESIGNER	N.HOLE
						DESIGN CHECK	K.BEARD
						PROJECT MANAGER	B.QUILL
						PROJECT DIRECTOR	W.MOSSE



DESIGNER

an company

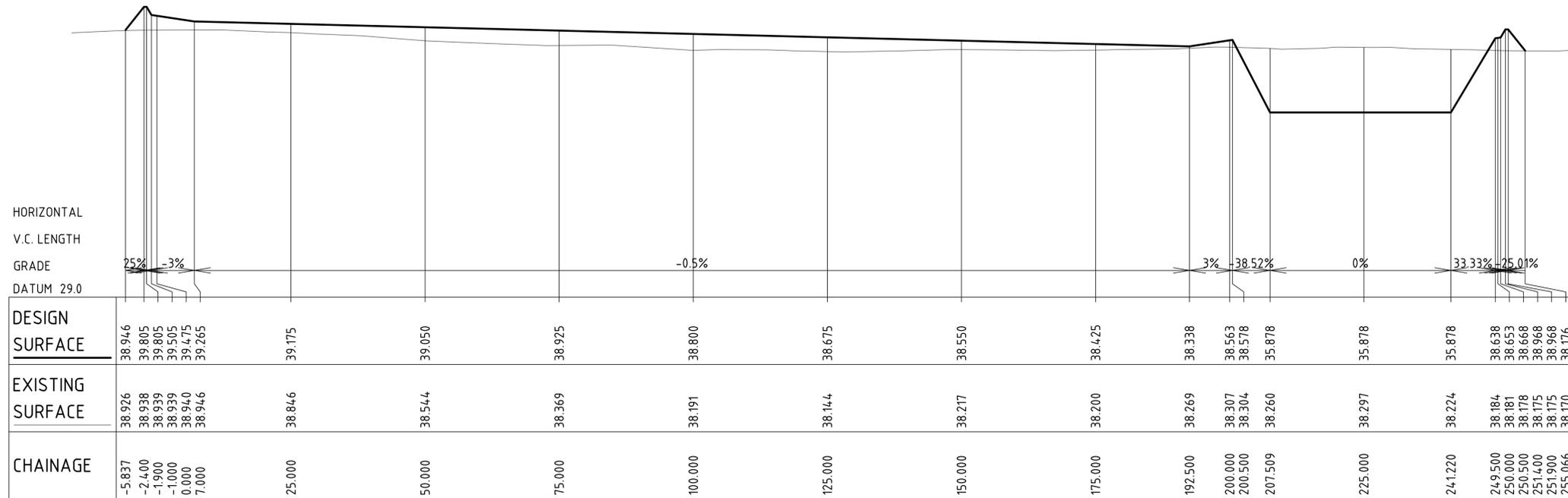
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TOWER 4, LEVEL 20, 727 COLLINS STREET
DOCKLANDS VIC 3008
SMEC PROJECT No 30049148

CLIENT

EAST GIPPSLAND SHIRE COUNCIL

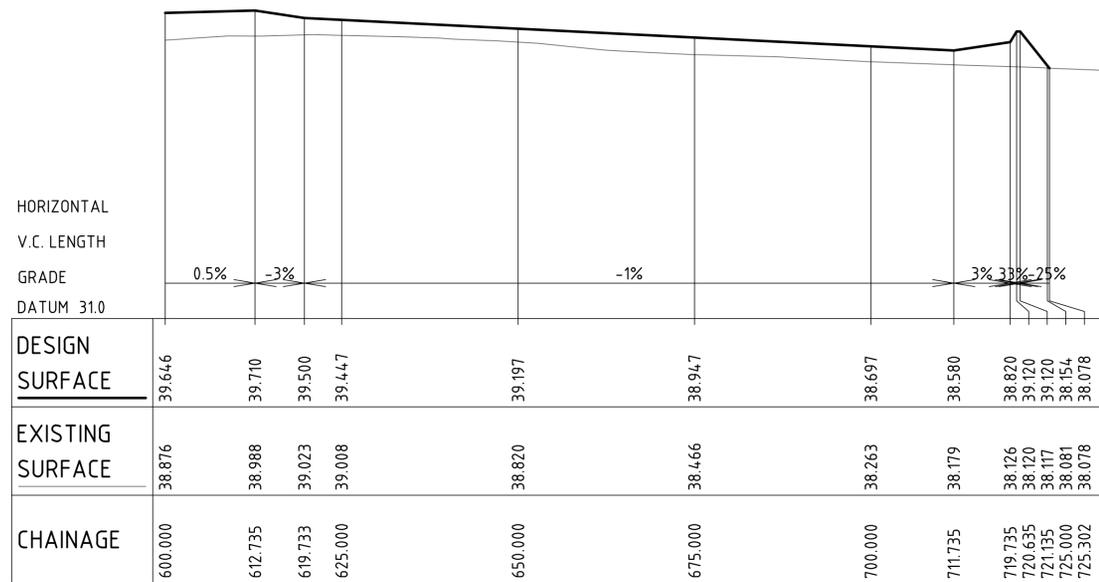
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SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	TENDER	30049148_251	02

DETAIL DESIGN



LONGITUDINAL SECTION - MC20

SCALE HORIZONTAL 1:500
 VERTICAL 1:100



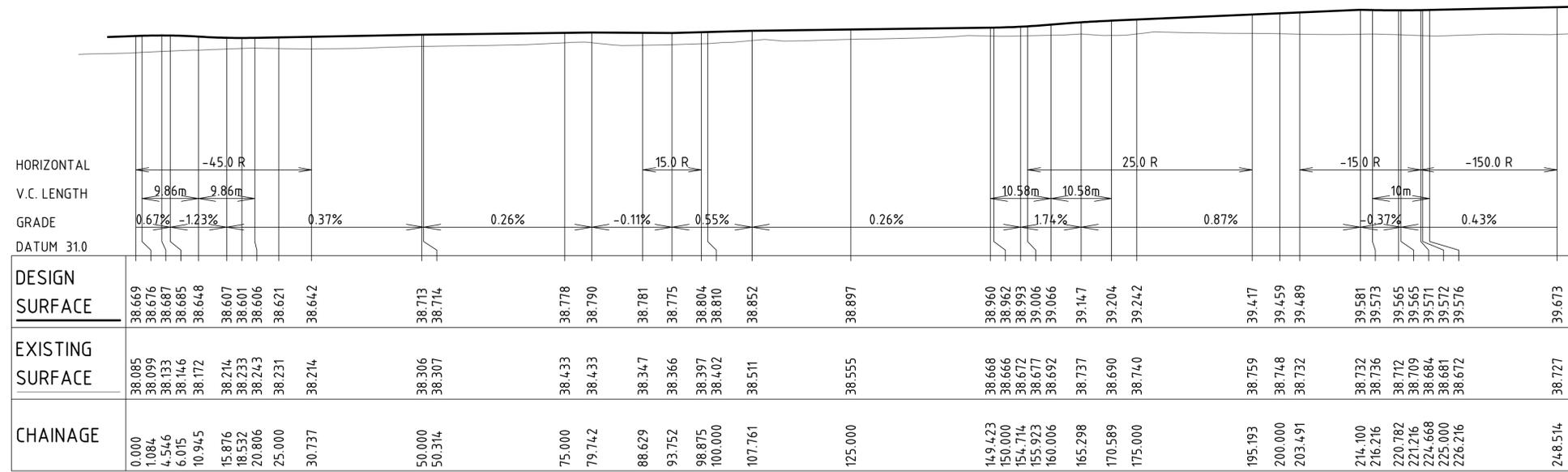
LONGITUDINAL SECTION - MC10

SCALE HORIZONTAL 1:500
 VERTICAL 1:100

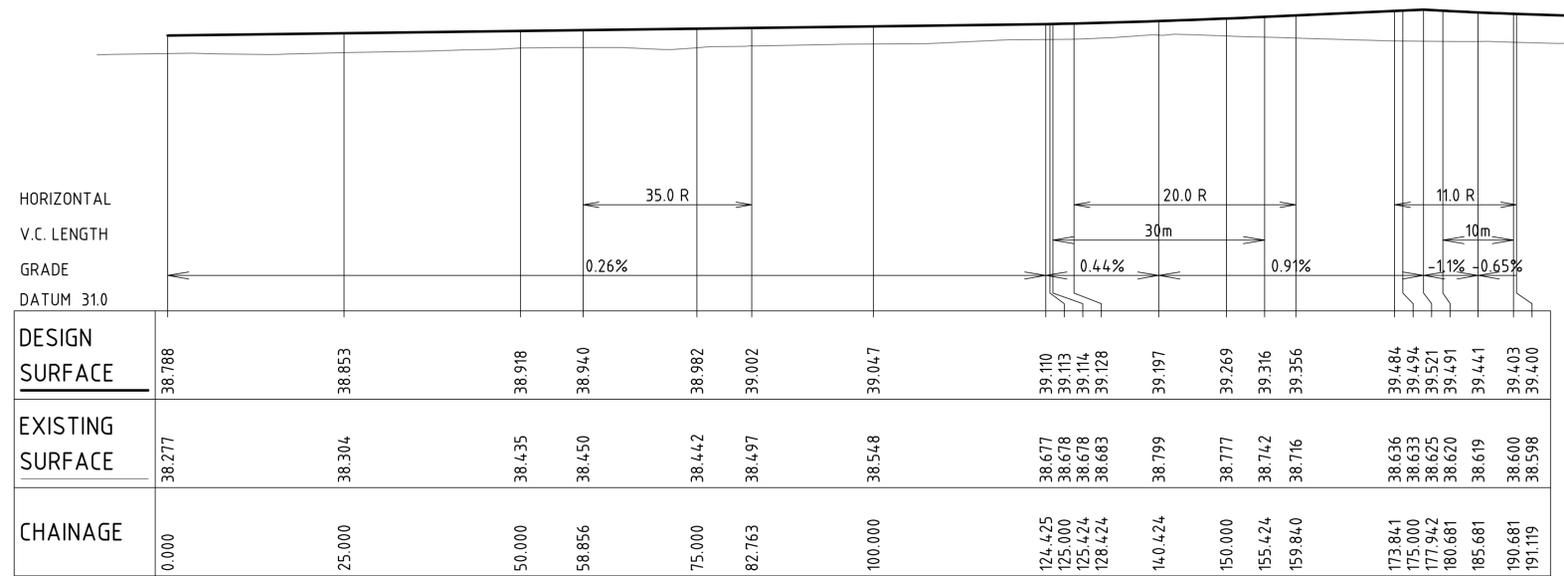
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			B.Q.	DRAFTER	N.HOLE	
			B.Q.	DRAFTING CHECK	Z.HUMPHREYS	
				DESIGNER	N.HOLE	
				DESIGN CHECK	K.BEARD	
				PROJECT MANAGER	B.QUILL	
				PROJECT DIRECTOR	W.MOSSE	
			SCALES AT A1 SIZE DRAWING			
			HORIZ. 1:500		VERT. 1:100	
			DESIGNER			
			CLIENT			
			PROJECT TITLE		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY LONGITUDINAL SECTIONS CONTROL (MC10 & MC20)	
			SCALE	PHASE	PROJECT / DRAWING No.	REVISION
			AS NOTED	TENDER	300494/8_252	02

DETAIL DESIGN



LONGITUDINAL SECTION - AT20
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 VERTICAL 1:100

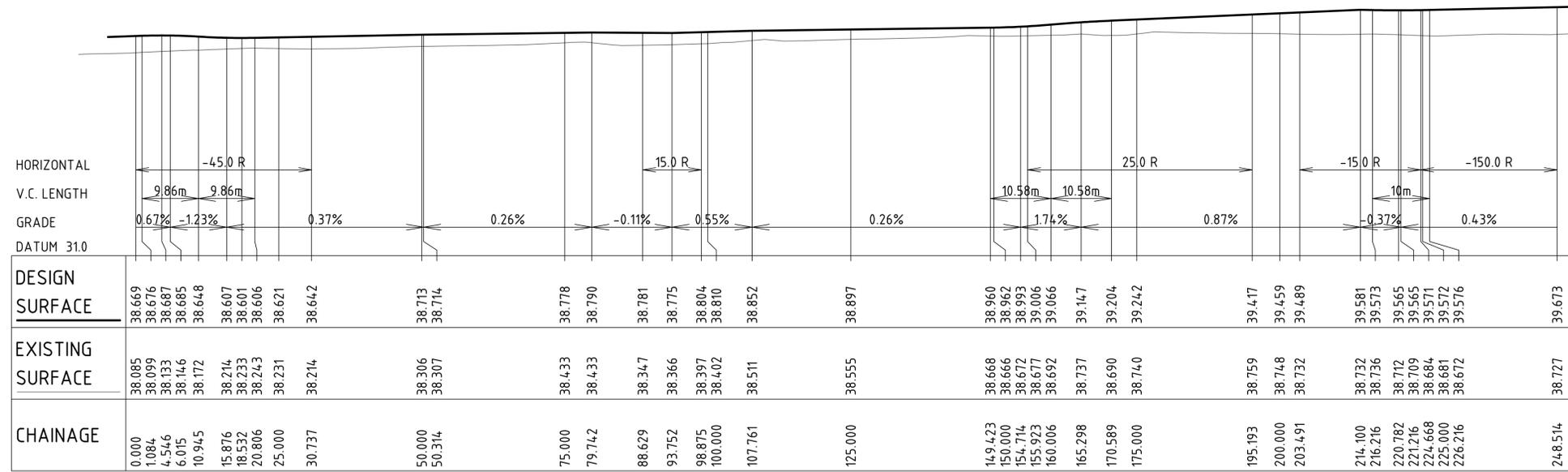


LONGITUDINAL SECTION - AT10
 SCALE HORIZONTAL 1:500
 VERTICAL 1:100

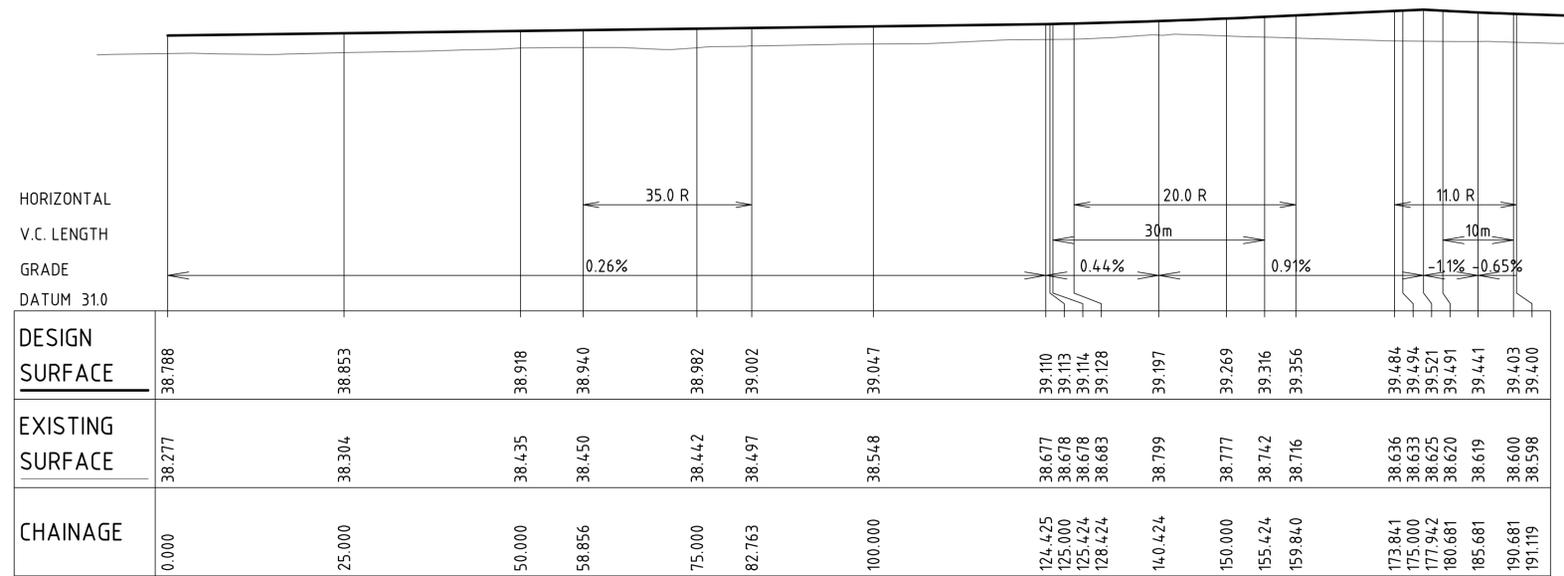
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					DRAFTING CHECK
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					DESIGN CHECK
					PROJECT MANAGER
					PROJECT DIRECTOR
SCALES AT A1 SIZE DRAWING			DESIGNER		
HORIZ. 1:500 VERT. 1:100			an company © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148		
CLIENT			PROJECT TITLE		
EAST GIPPSLAND SHIRE COUNCIL			EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY LONGITUDINAL SECTIONS CONTROL (AT10 & AT20)		
SCALE	PHASE	PROJECT / DRAWING No.	REVISION		
AS NOTED	TENDER	30049148_253	02	Printed 11/02/2025 Page 42 of 59	

DETAIL DESIGN



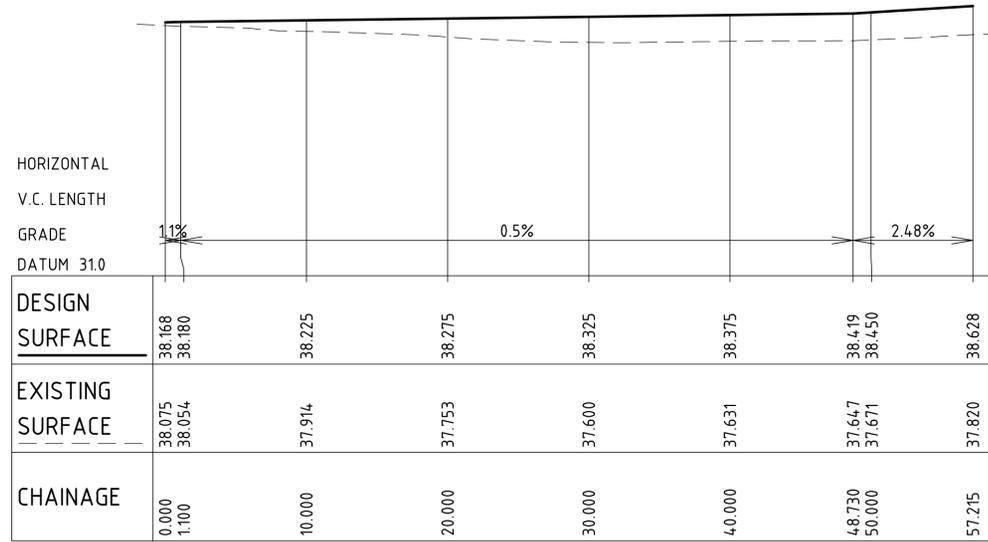
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 SCALE HORIZONTAL 1:500
 VERTICAL 1:100



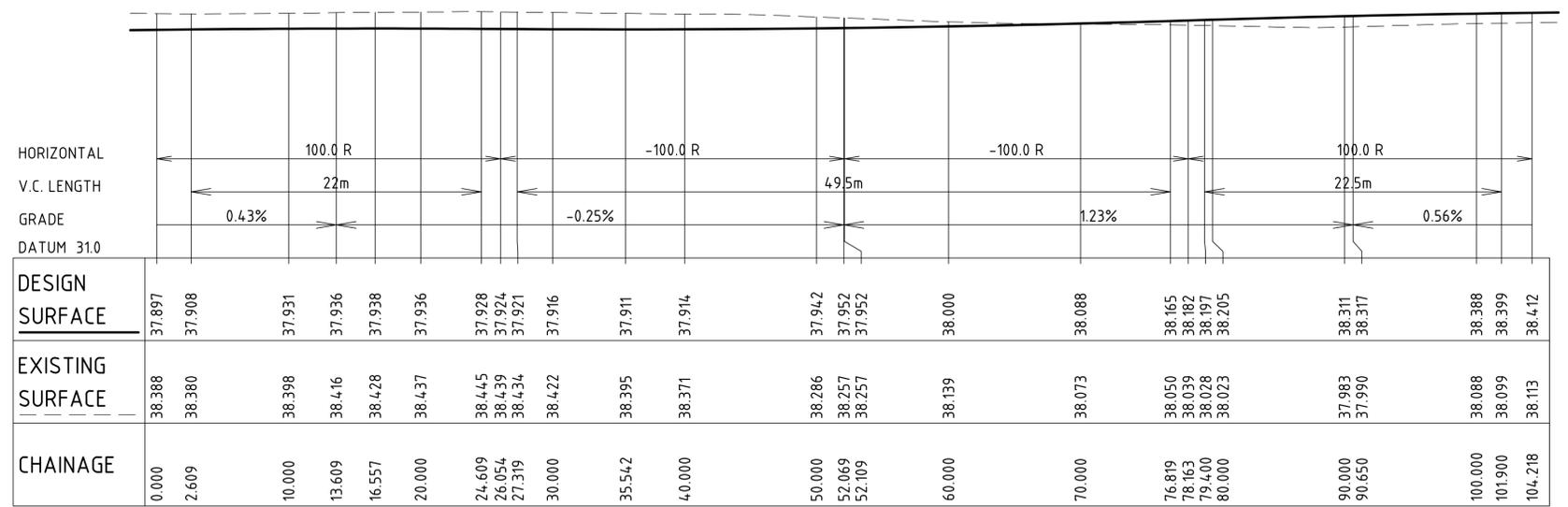
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 VERTICAL 1:100

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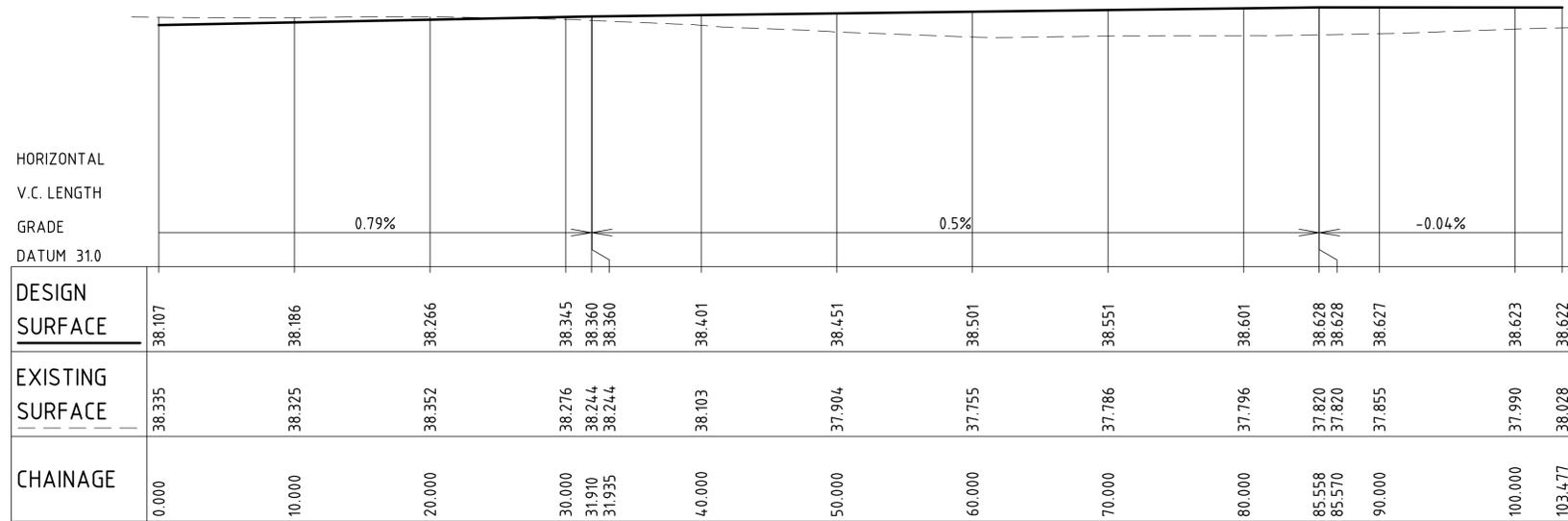
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								PROJECT MANAGER	B.QUILL			SMEC PROJECT No 30049148					
								PROJECT DIRECTOR	W.MOSSE								



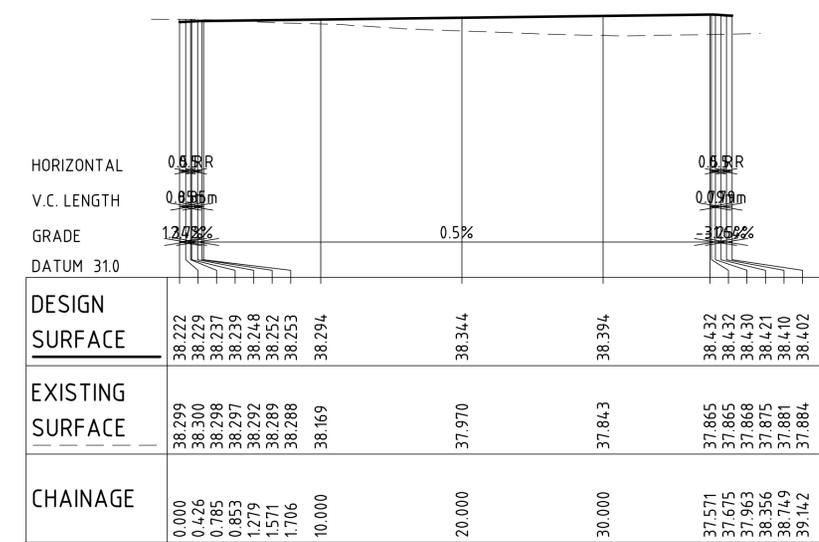
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 VERTICAL 1:100



KERB RETURN - KR40
 SCALE HORIZONTAL 1:250
 VERTICAL 1:100



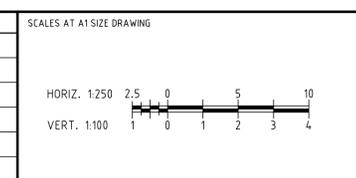
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 SCALE HORIZONTAL 1:250
 VERTICAL 1:100



KERB RETURN - KR20
 SCALE HORIZONTAL 1:250
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150 mm ON ORIGINAL

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DESIGNER

an company

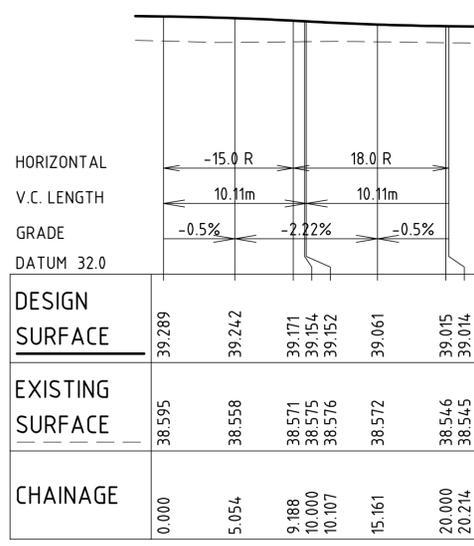
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 TOWER 4, LEVEL 20, 727 COLLINS STREET
 DOCKLANDS VIC 3008
 SMEC PROJECT No 30049148

CLIENT

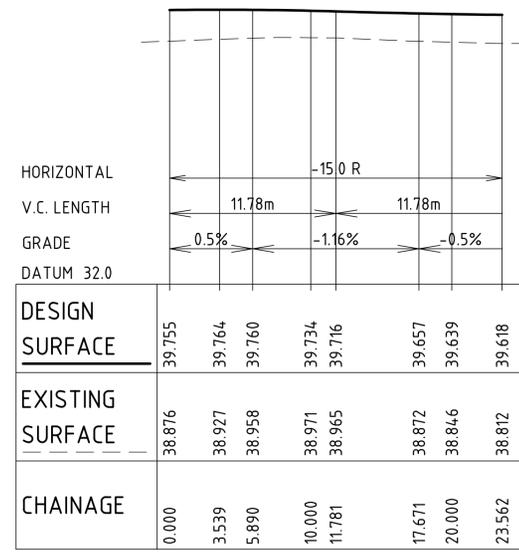
EAST GIPPSLAND SHIRE COUNCIL

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SCALE	PHASE	PROJECT / DRAWING No.		REVISION			
AS NOTED	TENDER	30049148_255		02			

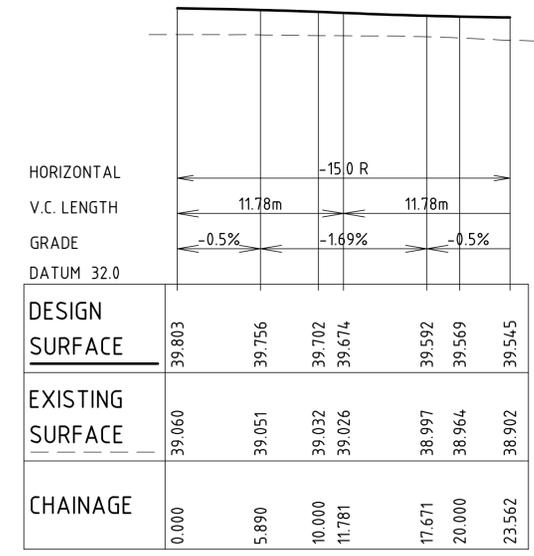
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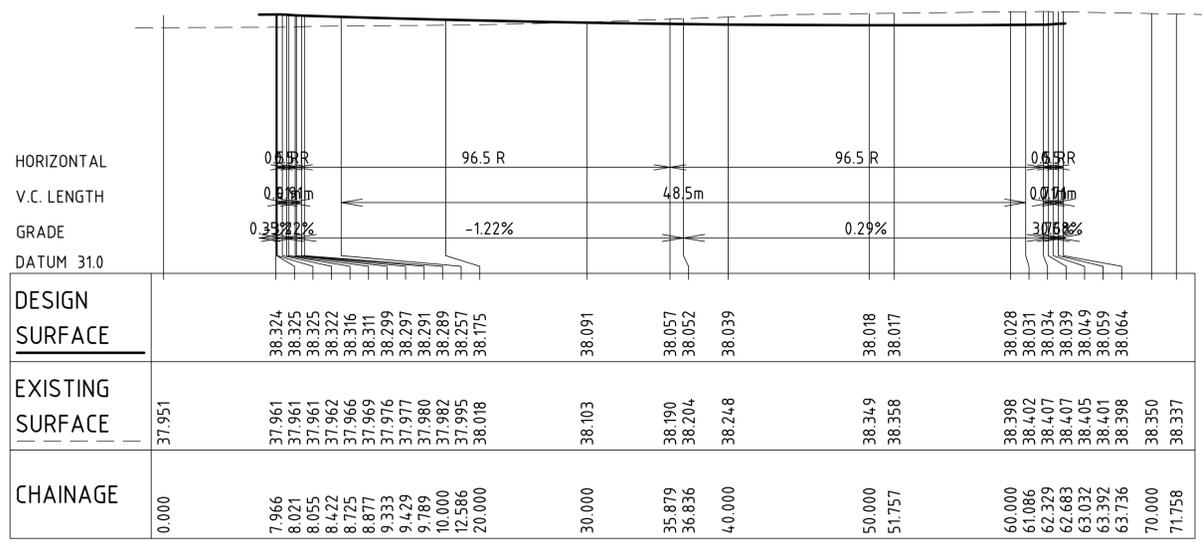
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VERTICAL 1:100



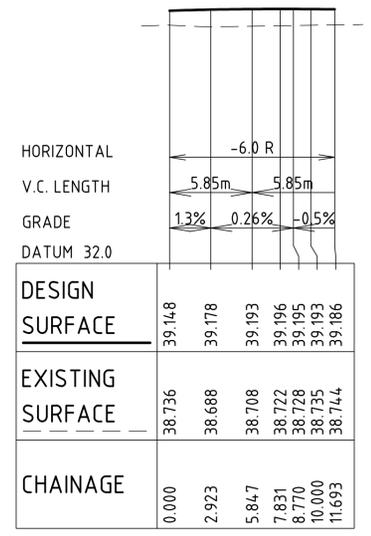
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SCALE HORIZONTAL 1:250
VERTICAL 1:100



KERB RETURN - KR90
SCALE HORIZONTAL 1:250
VERTICAL 1:100



KERB RETURN - KR50
SCALE HORIZONTAL 1:250
VERTICAL 1:100



KERB RETURN - KR60
SCALE HORIZONTAL 1:250
VERTICAL 1:100

150 mm ON ORIGINAL
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					DESIGNER
					DESIGN CHECK
					PROJECT MANAGER
					PROJECT DIRECTOR

SCALES AT A1 SIZE DRAWING	
HORIZ. 1:250	VERT. 1:100

DESIGNER

an company

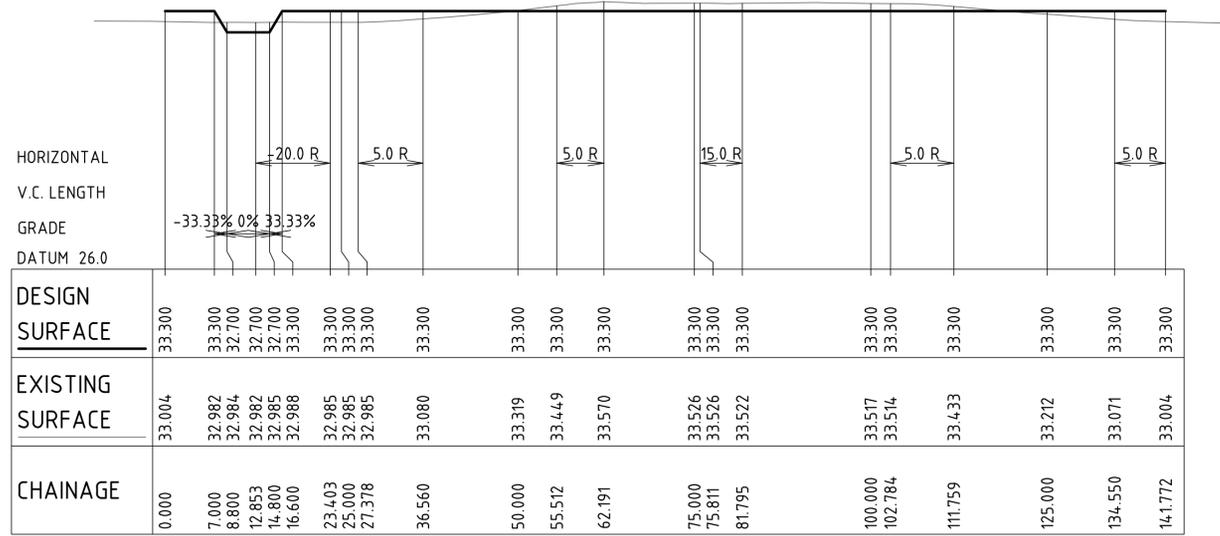
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TOWER 4, LEVEL 20, 727 COLLINS STREET
DOCKLANDS VIC 3008
SMEC PROJECT No 30049148

CLIENT

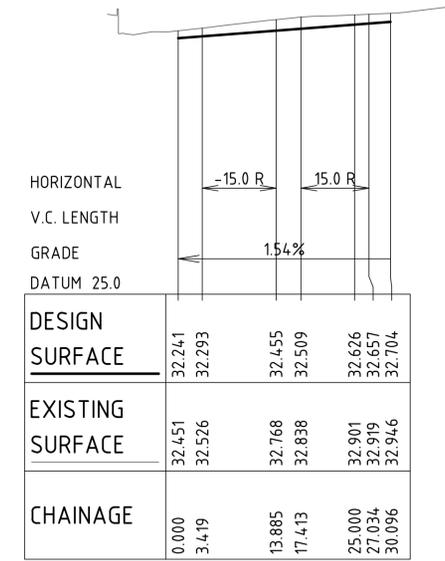
EAST GIPPSLAND SHIRE COUNCIL

PROJECT TITLE		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY LONGITUDINAL SECTIONS KERB RETURNS SHEET 2	
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AS NOTED	TENDER	30049148_256	02

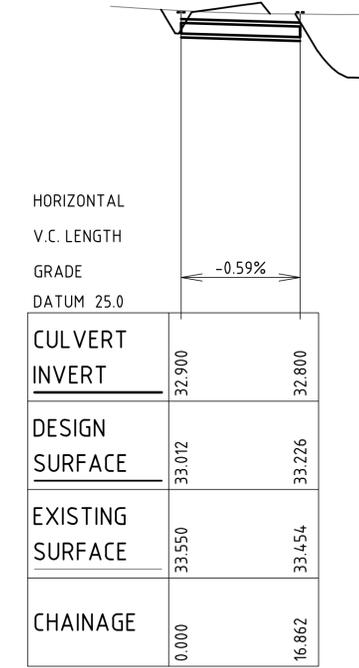
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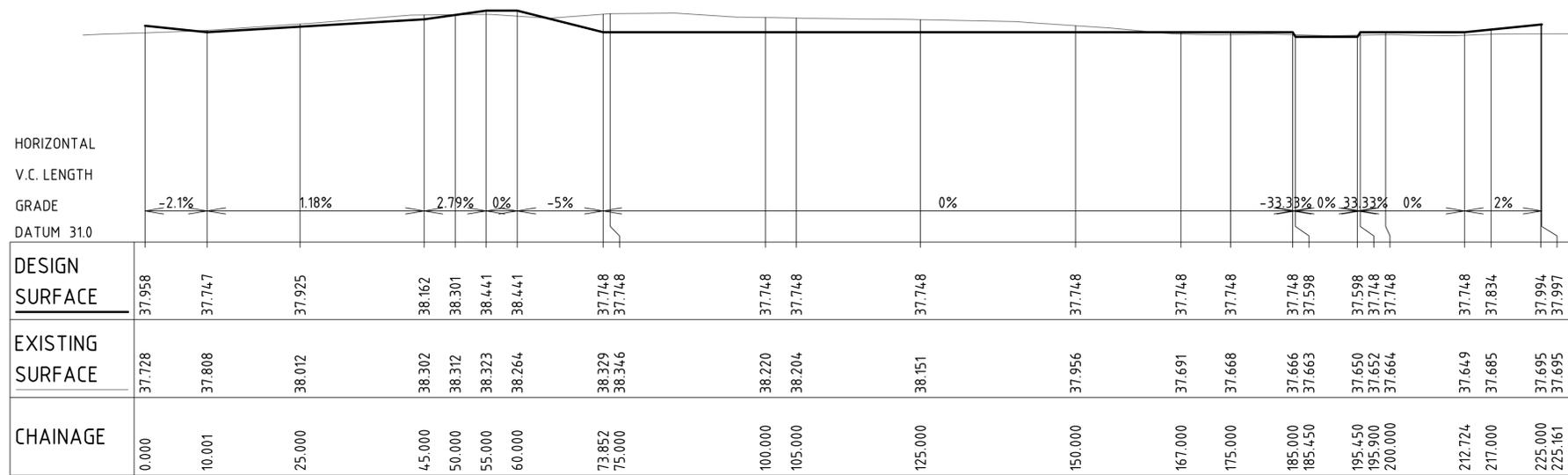
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SCALE HORIZONTAL 1:500
VERTICAL 1:100



LONGITUDINAL SECTION - SW10
SCALE HORIZONTAL 1:500
VERTICAL 1:100



LONGITUDINAL SECTION - CUL10
SCALE HORIZONTAL 1:500
VERTICAL 1:100

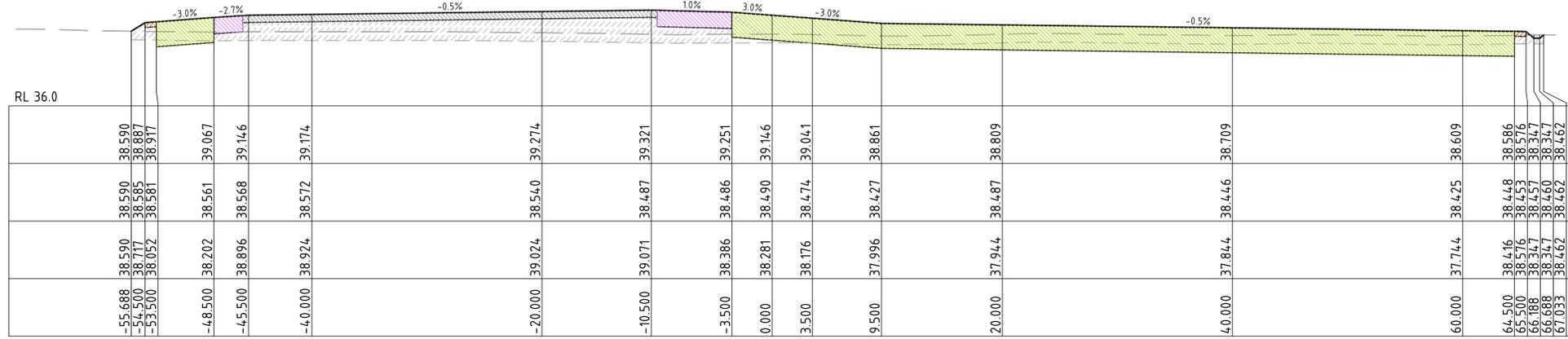


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VERTICAL 1:100

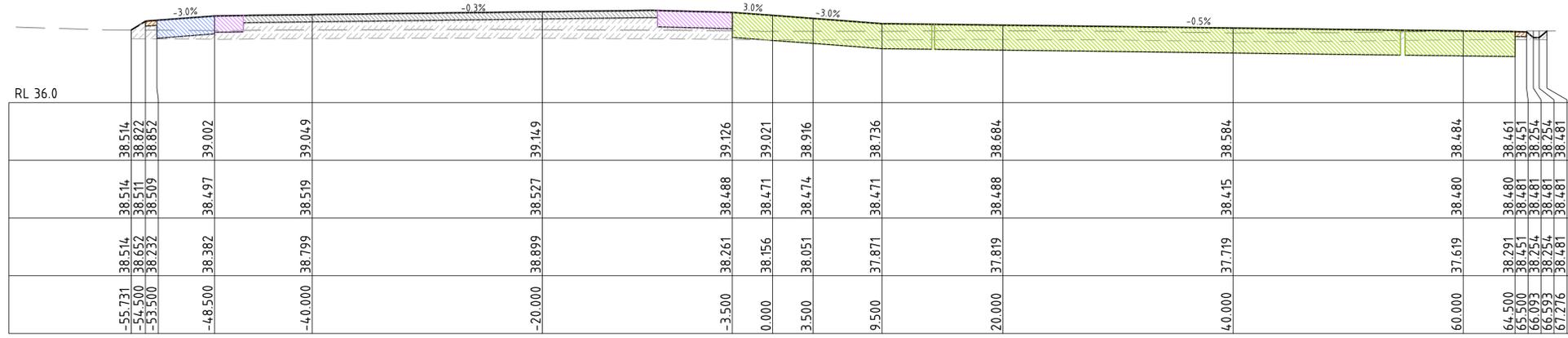
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APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		
B.Q.	DRAFTER	N.HOLE	DESIGNER  an  © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148		
B.Q.	DRAFTING CHECK	Z.HUMPHREYS			
	DESIGNER	N.HOLE			
	DESIGN CHECK	K.BEARD			
	PROJECT MANAGER	B.QUILL			
	PROJECT DIRECTOR	W.MOSSE			
CLIENT		PROJECT TITLE		SCALE	
 EAST GIPPSLAND SHIRE COUNCIL		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY LONGITUDINAL SECTIONS DAMS, SWALE & CULVERT		AS NOTED	
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PROJECT / DRAWING No.		REVISION			
30049148_257		11/02/2025		02	

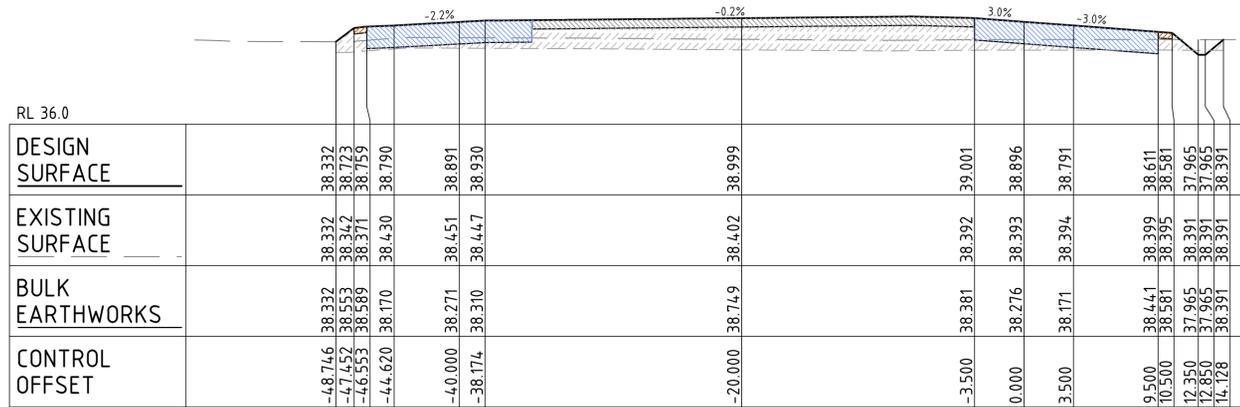
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CH 500



CH 475



CH 450

LEGEND

DESIGN

- FINISHED SURFACE
- EXISTING SURFACE
- EXISTING SURFACE 300 STRIPPING
- GENERAL FILL

- PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
- PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
- PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
- PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)

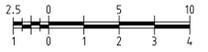
- VERGE (DETAIL V1 - DRG 233)
- COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
- CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
- CONCRETE HARDSTAND (REFER NOTES ON DRG 231 & 232)

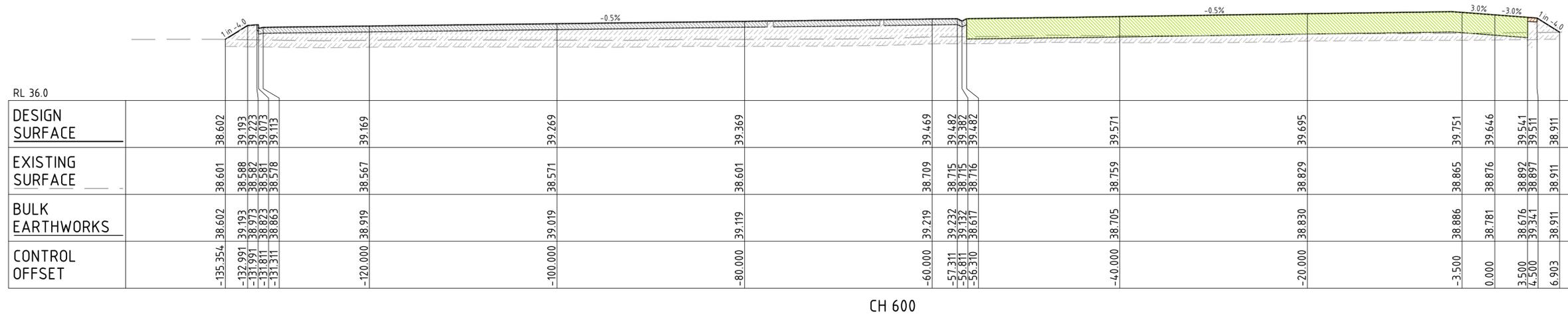
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EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	TITLE	NAME	 © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148		 EAST GIPPSLAND SHIRE COUNCIL		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY SITE SECTIONS CONTROL (MC10) SHEET 3	
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										PROJECT DIRECTOR	W.MOSSE						
								HORIZ. 1:250 VERT. 1:100 				SCALE AS NOTED PHASE TENDER PROJECT / DRAWING No. 30049148_263 DATE 31/02/2025		REVISION 02			



CH 600

LEGEND

DESIGN

- FINISHED SURFACE
- EXISTING SURFACE
- - - EXISTING SURFACE 300 STRIPPING
- ▨ GENERAL FILL
- ▨ PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
- ▨ PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
- ▨ PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
- ▨ PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
- ▨ VERGE (DETAIL V1 - DRG 233)
- ▨ COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
- ▨ CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
- ▨ CONCRETE HARDSTAND (REFER NOTES ON DRG 231 & 232)

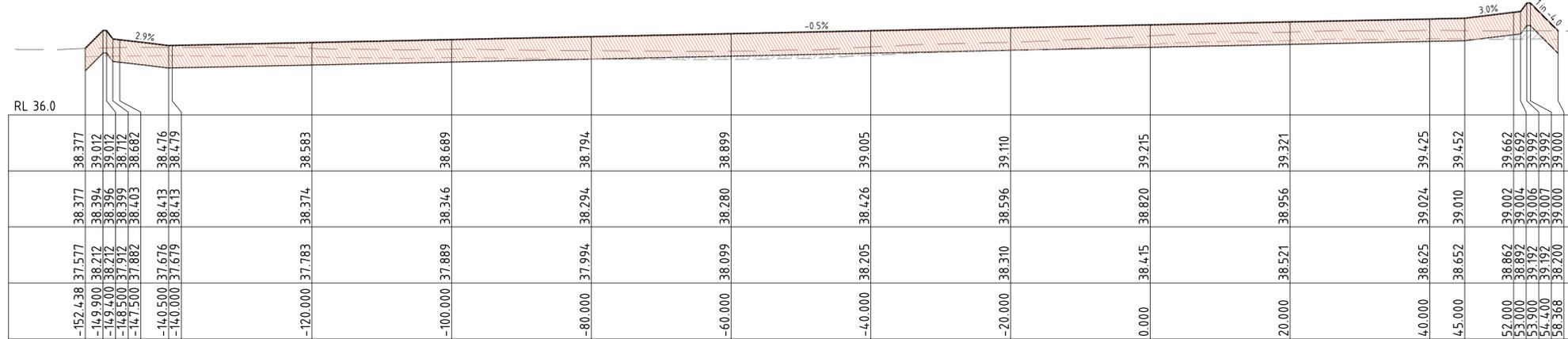
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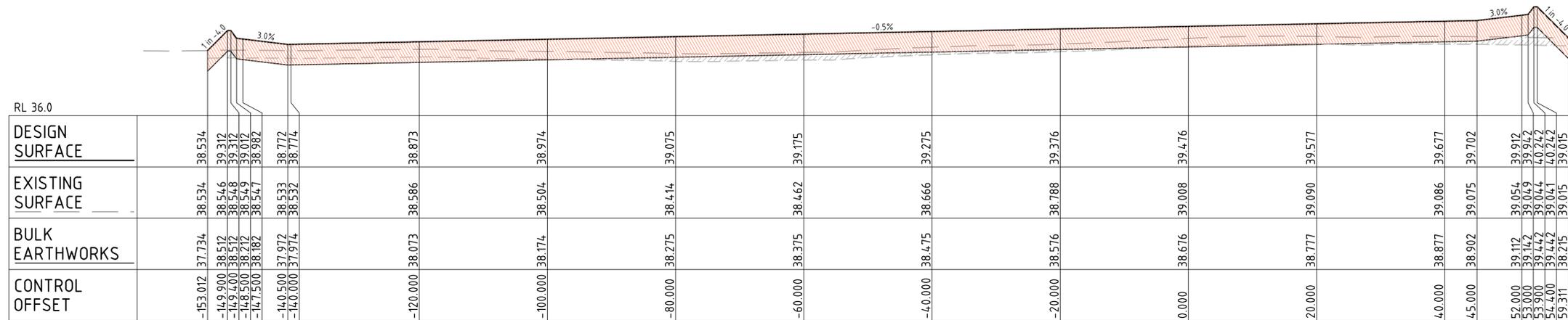
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DETAIL DESIGN

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EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	TITLE	NAME	 © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148		 EAST GIPPSLAND SHIRE COUNCIL		EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY SITE SECTIONS CONTROL (MC10) SHEET 5		
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				02	23.08.24	ISSUED FOR TENDER		002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS					PHASE TENDER		
										DESIGNER	N.HOLE					PROJECT / DRAWING No. 30049148_265		
										DESIGN CHECK	K.BEARD					Revision 11/02/2025 02		
										PROJECT MANAGER	B.QUILL					Page 51 of 59		
										PROJECT DIRECTOR	W.MOSSE							



CH 650



CH 625

LEGEND

DESIGN

- FINISHED SURFACE
- EXISTING SURFACE
- EXISTING SURFACE 300 STRIPPING
- GENERAL FILL
- PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
- PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
- PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
- PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
- VERGE (DETAIL V1 - DRG 233)
- COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
- CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
- CONCRETE HARDSTAND (REFER NOTES ON DRG 231 & 232)

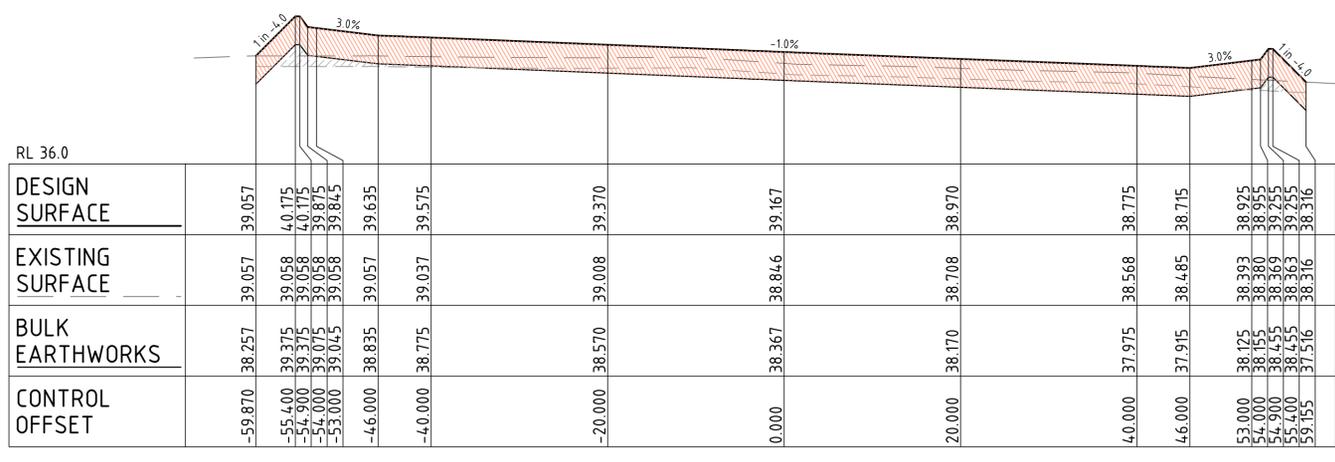
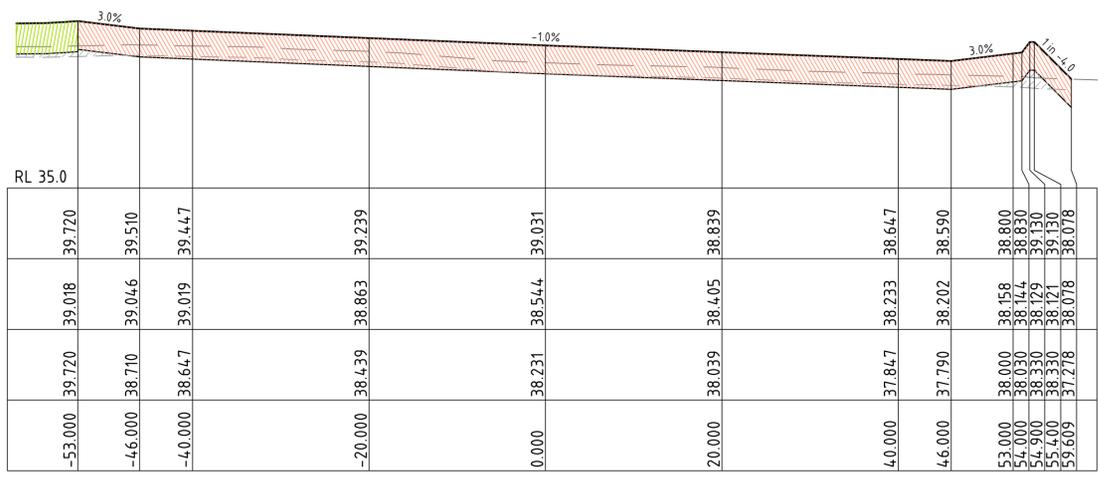
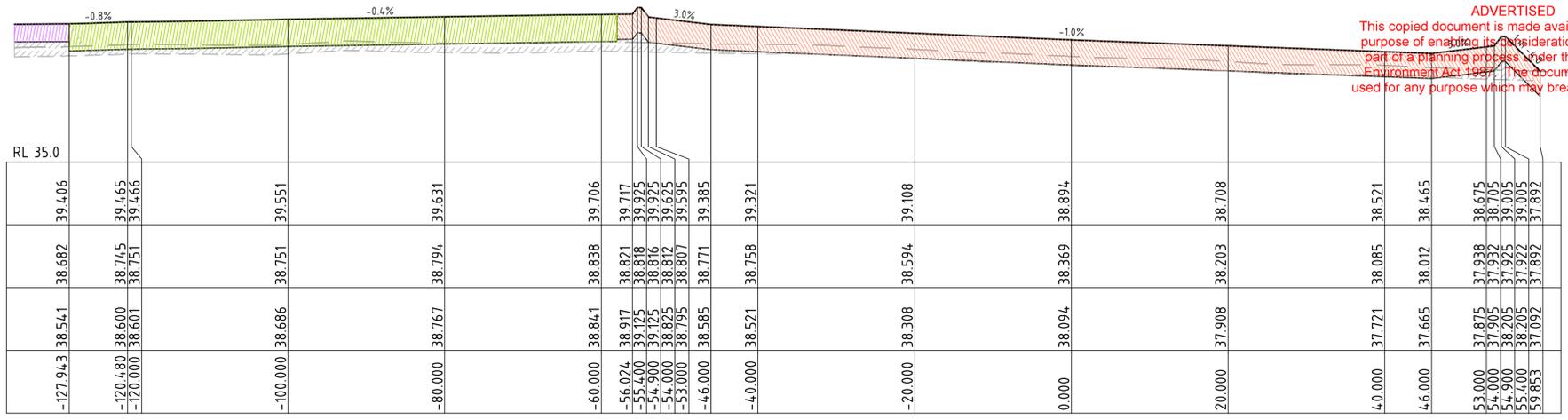
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									DESIGNER	N.HOLE						
									DESIGN CHECK	K.BEARD						
									PROJECT MANAGER	B.QUILL						
									PROJECT DIRECTOR	W.MOSSE						

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LEGEND

- DESIGN**
- FINISHED SURFACE
 - EXISTING SURFACE
 - EXISTING SURFACE 300 STRIPPING
 - GENERAL FILL
 - PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
 - PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
 - PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
 - PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
 - VERGE (DETAIL V1 - DRG 233)
 - COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
 - CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
 - CONCRETE HARDSTAND (REFER NOTES ON DRG 231 & 232)

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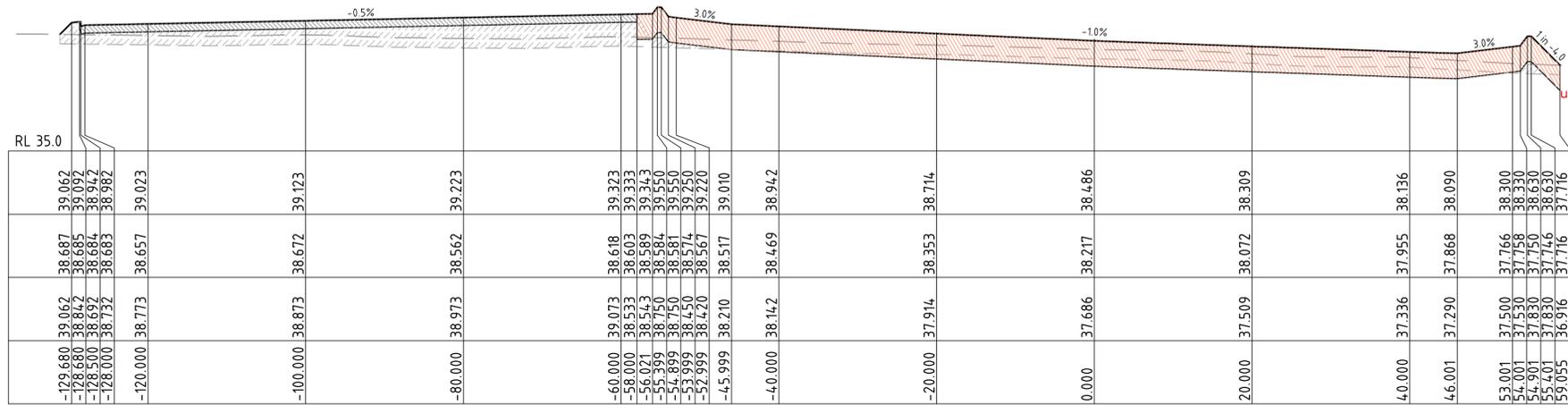


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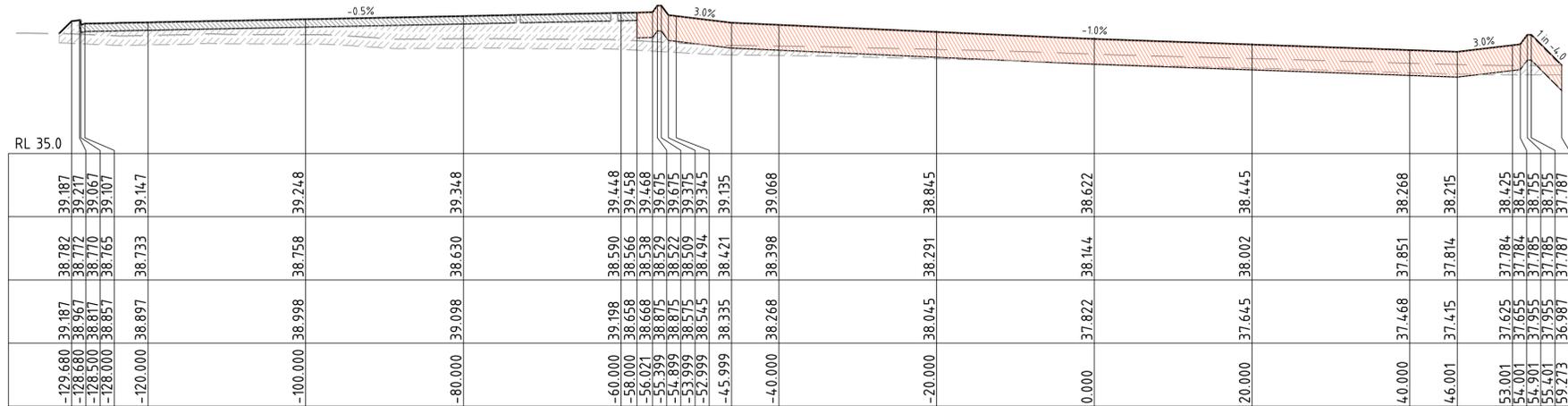
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										DESIGN CHECK	K.BEARD				
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								CLIENT EAST GIPPSLAND SHIRE COUNCIL							
				PROJECT TITLE EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY SITE SECTIONS CONTROL (MC20) SHEET 1											
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AS NOTED		TENDER		30049148_271		11/02/2025		02							

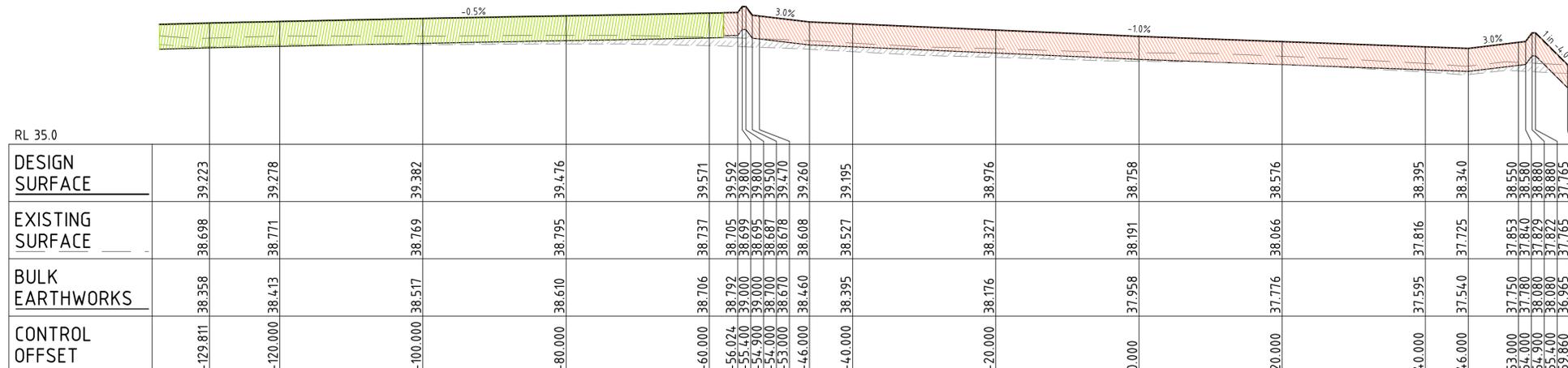
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CH 150



CH 125



CH 100

LEGEND

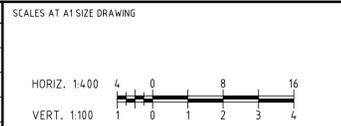
- DESIGN
- FINISHED SURFACE
 - - - EXISTING SURFACE
 - - - - EXISTING SURFACE 300 STRIPPING
 - ▨ GENERAL FILL
 - ▨ PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
 - ▨ PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
 - ▨ PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
 - ▨ PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)
 - ▨ VERGE (DETAIL V1 - DRG 233)
 - ▨ COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
 - ▨ CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
 - ▨ CONCRETE HARDSTAND (REFER NOTES ON DRG 231 & 232)

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	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS
						DESIGNER	N.HOLE
						DESIGN CHECK	K.BEARD
						PROJECT MANAGER	B.QUILL
						PROJECT DIRECTOR	W.MOSSE



DESIGNER

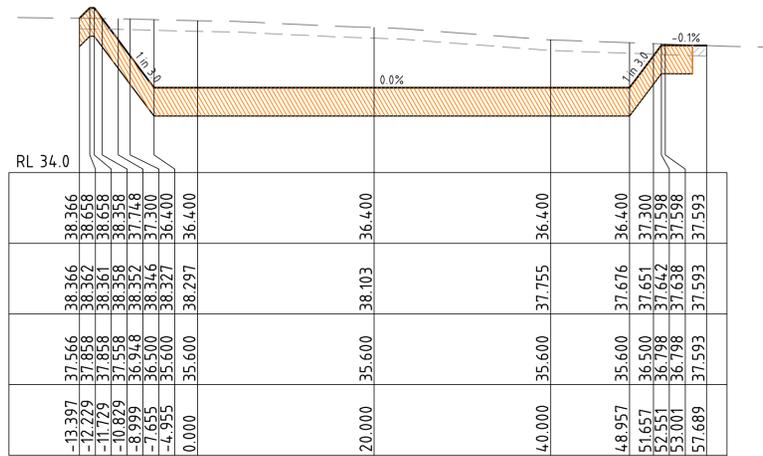
an company

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TOWER 4, LEVEL 20, 727 COLLINS STREET
DOCKLANDS VIC 3008
SMEC PROJECT No 30049148

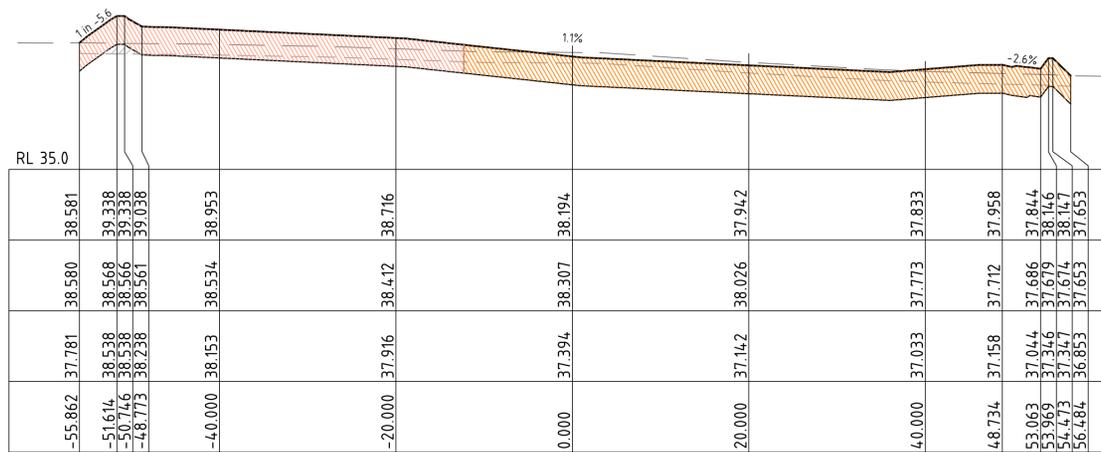
CLIENT

EAST GIPPSLAND SHIRE COUNCIL

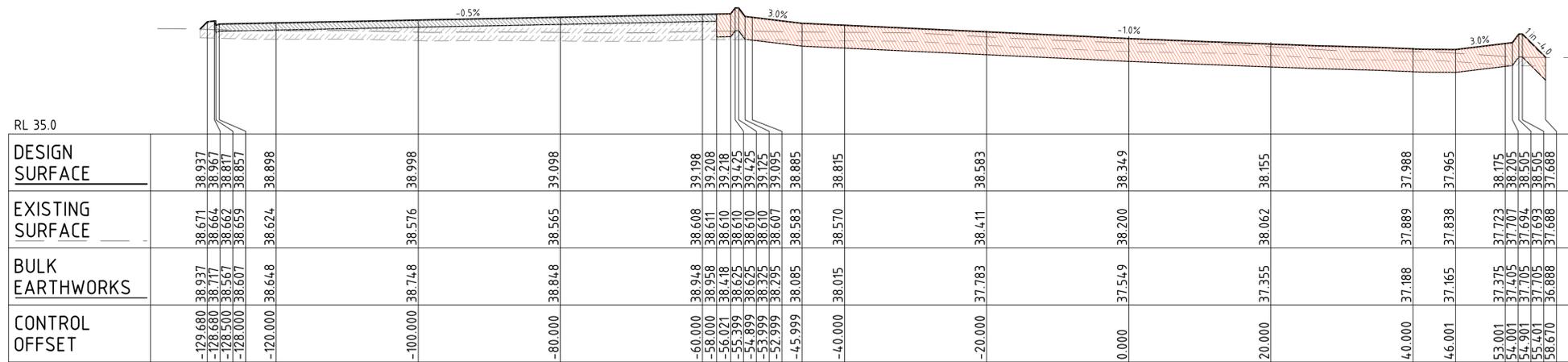
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AS NOTED	TENDER	30049148_272	02



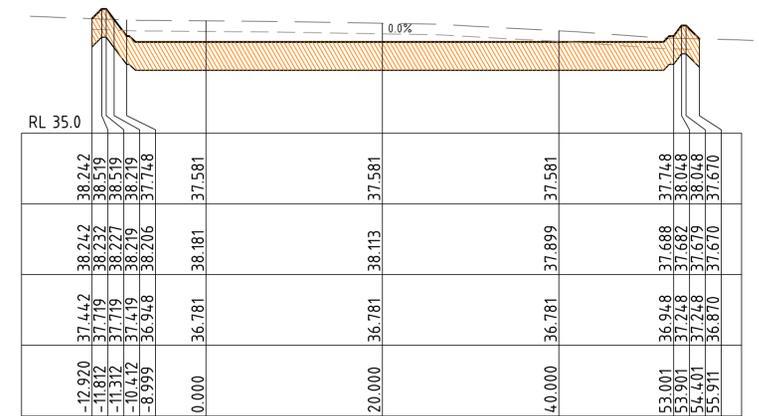
CH 225



CH 200



CH 175



CH 250

LEGEND

DESIGN

- FINISHED SURFACE
- EXISTING SURFACE
- EXISTING SURFACE 300 STRIPPING
- GENERAL FILL

- PAVEMENT "TYPE 3" (DETAIL P3 - DRG 233)
- PAVEMENT "TYPE 4" (DETAIL P4 - DRG 233)
- PAVEMENT "TYPE 5" (DETAIL P5 - DRG 233)
- PAVEMENT "TYPE 6" (DETAIL P6 - DRG 233)

- VERGE (DETAIL V1 - DRG 233)
- COMPOST MATURATION PAD (REFER DETAIL CM - DRG 233)
- CONTACT WATER DAM (REFER DETAIL CD - DRG 233)
- CONCRETE HARDSTAND (REFER NOTES ON DRG 231 & 232)

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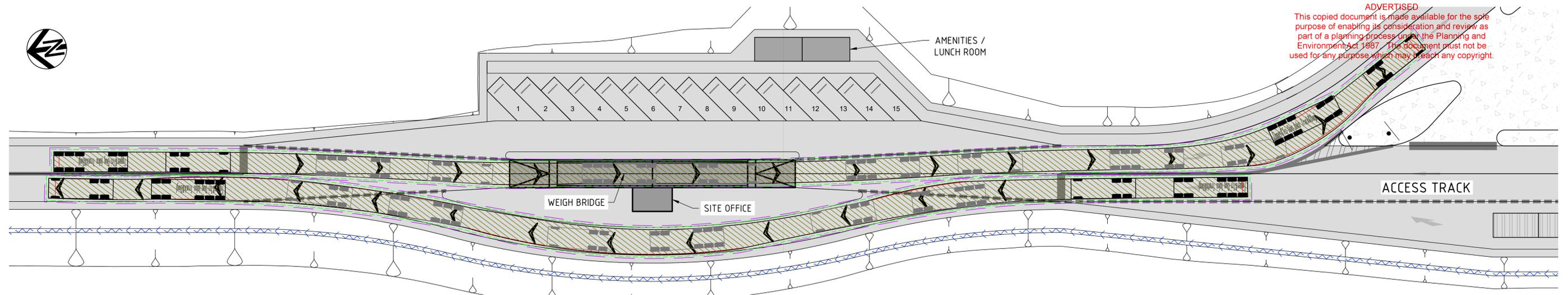
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DETAIL DESIGN

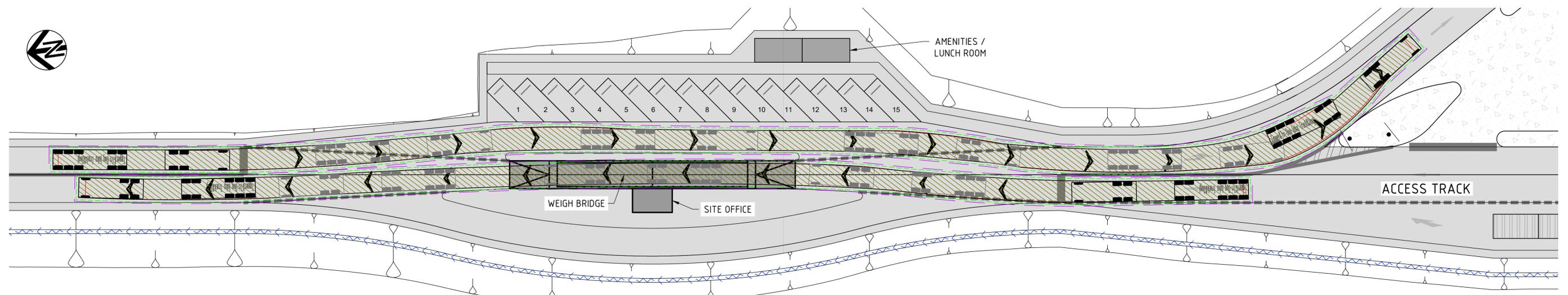
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								DESIGNER	N.HOLE						
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								PROJECT DIRECTOR	W.MOSSE						

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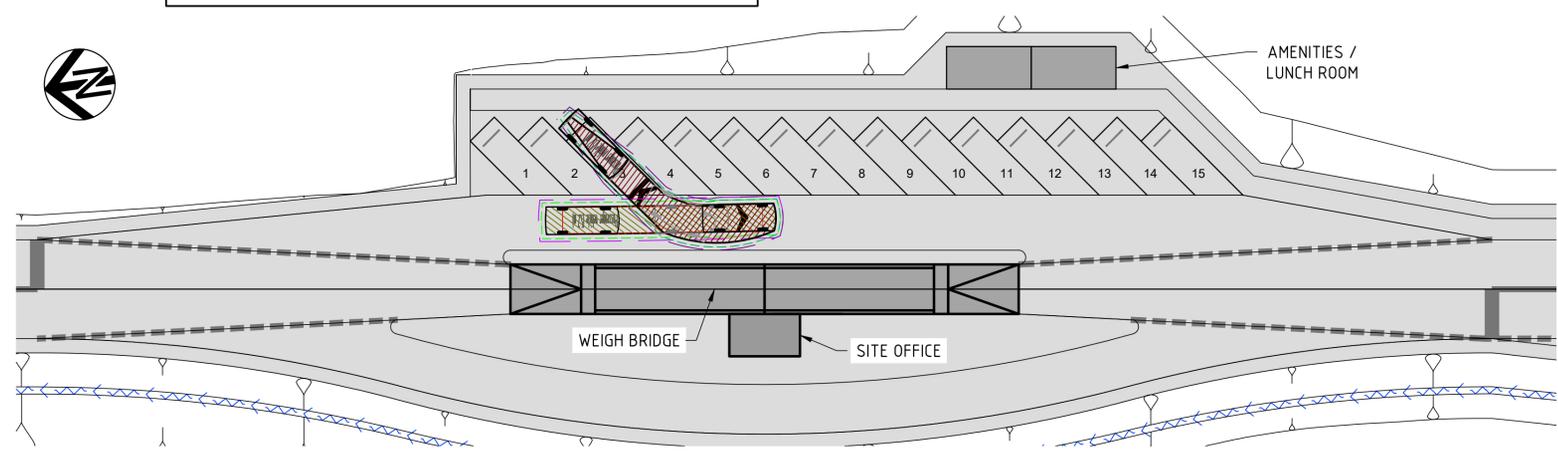


TIPPER & TRI-DOG (TRUCK & DOG) (22.3m)
 SOUTHERN WEIGH BRIDGE ENTRY / NORTHERN EXITING SLIP LANE
 SCALE 1:250



TIPPER & TRI-DOG (TRUCK & DOG) (22.3m)
 NORTHERN LANE WEIGH BRIDGE EXIT / SOUTHERN SLIP LANE & CAR PARK AISLE
 SCALE 1:250

NOTE:
 COUNCIL TO CONSIDER PERMISSIBLE VEHICLE MOVEMENTS IN CONJUNCTION WITH ITS SITE SAFETY PLAN, AND INSTALL APPROPRIATE SIGNAGE CONTROLS

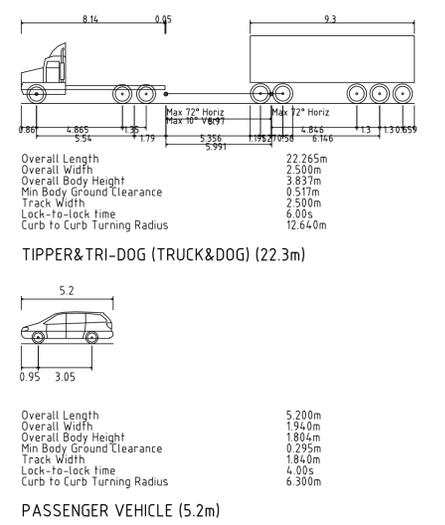


PASSAGE VEHICLE (5.2m)
 CAR PARK REVERSE 45° PARK / EXITING VIA NORTHERN SLIP LANE
 SCALE 1:250

LEGEND

- FORWARD MOVEMENT**
- VEHICLE BODY
 - VEHICLE WHEELS
 - VEHICLE HORIZONTAL CLEARANCE (0.3m FROM BODY)
 - VEHICLE HORIZONTAL CLEARANCE (0.5m FROM BODY)
- REVERSE MOVEMENT**
- VEHICLE BODY
 - VEHICLE WHEELS
 - VEHICLE HORIZONTAL CLEARANCE (0.3m FROM BODY)
 - VEHICLE HORIZONTAL CLEARANCE (0.5m FROM BODY)

VEHICLES

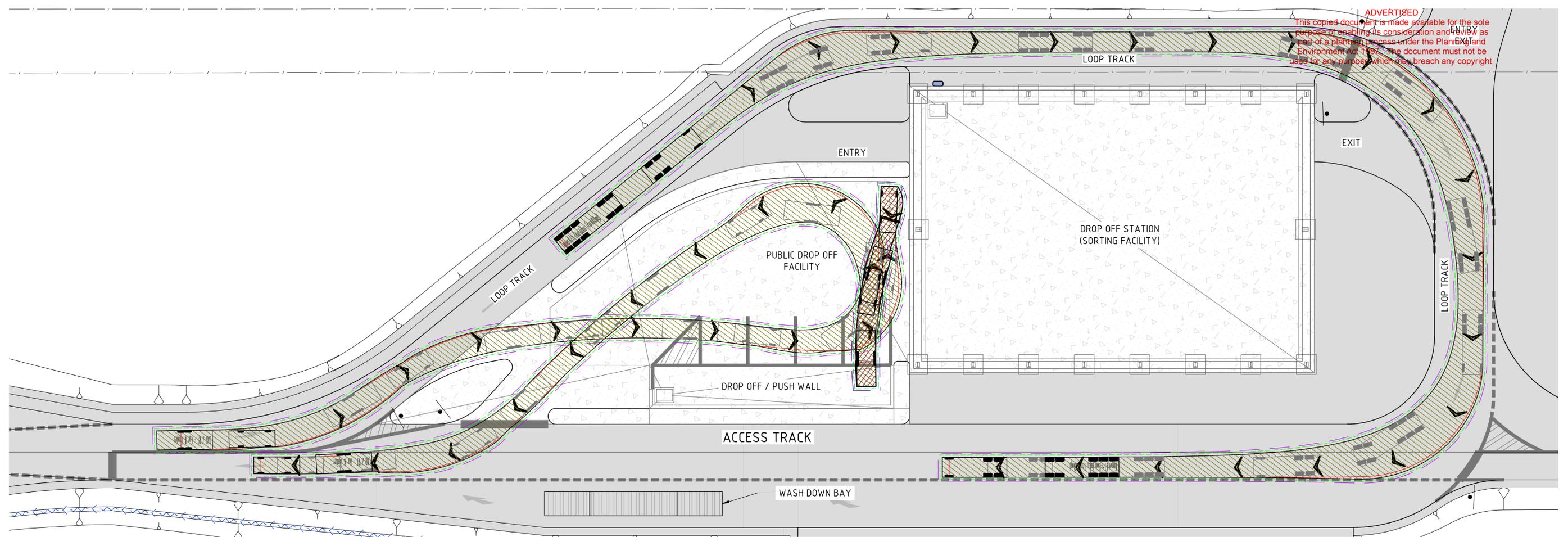


DETAIL DESIGN

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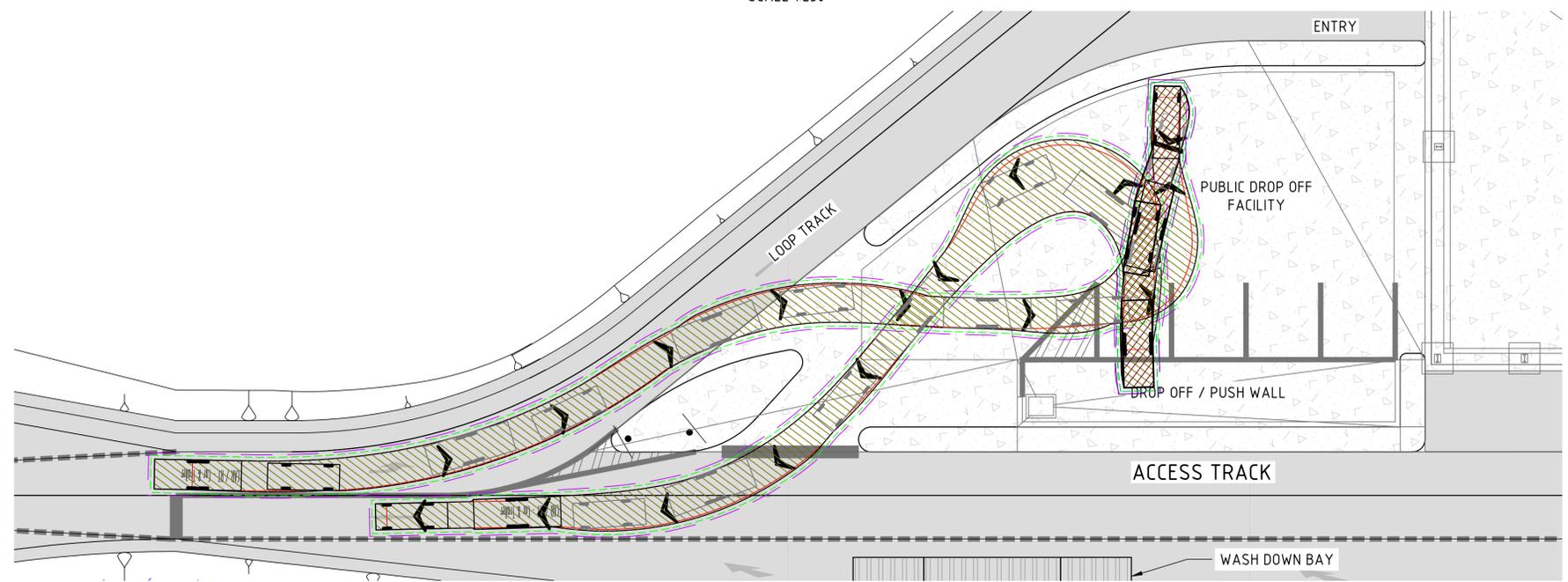
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		01	NOT ISSUED	DRAFT ISSUE		001	B.Q.	DRAFTER	N.HOLE	©SMEC AUSTRALIA PTY LTD (ABN 47 065 475 149) TOWER 4, LEVEL 20, 727 COLLINS STREET DOCKLANDS VIC 3008 SMEC PROJECT No 30049148													
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								DESIGNER	N.HOLE														
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PASSENGER VEHICLE & TRAILER (14.9m)
 PUBLIC DROP-OFF FACILITY
 SCALE 1:250

TIPPER & TRI-DOG (TRUCK & DOG) (22.3m)
 LOOP TRACK
 SCALE 1:250



PASSENGER VEHICLE & TRAILER (14.9m)
 PUBLIC DROP-OFF FACILITY
 SCALE 1:250

LEGEND

FORWARD MOVEMENT

- VEHICLE BODY
- VEHICLE WHEELS
- VEHICLE HORIZONTAL CLEARANCE (0.3m FROM BODY)
- VEHICLE HORIZONTAL CLEARANCE (0.5m FROM BODY)

REVERSE MOVEMENT

- VEHICLE BODY
- VEHICLE WHEELS
- VEHICLE HORIZONTAL CLEARANCE (0.3m FROM BODY)
- VEHICLE HORIZONTAL CLEARANCE (0.5m FROM BODY)

VEHICLES

TIPPER & TRI-DOG (TRUCK & DOG) (22.3m)

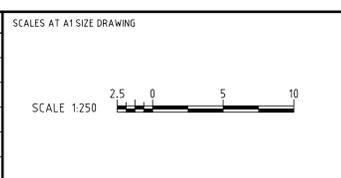
- Overall Length: 22.265m
- Overall Width: 2.500m
- Overall Body Height: 3.837m
- Min Body Ground Clearance: 0.517m
- Track Width: 2.500m
- Lock-to-lock time: 6.00s
- Curb to Curb Turning Radius: 12.640m

PASSENGER VEHICLE & TRAILER (14.9m)

- Overall Length: 14.900m
- Overall Width: 2.400m
- Overall Body Height: 2.562m
- Min Body Ground Clearance: 0.290m
- Max Track Width: 2.400m
- Lock-to-lock time: 4.00s
- Curb to Curb Turning Radius: 7.300m

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	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS
						DESIGNER	N.HOLE
						DESIGN CHECK	K.BEARD
						PROJECT MANAGER	B.QUILL
						PROJECT DIRECTOR	W.MOSSE



DESIGNER

an sm company

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 TOWER 4, LEVEL 20, 727 COLLINS STREET
 DOCKLANDS VIC 3008
 SMEC PROJECT No 30049148

CLIENT

EAST GIPPSLAND SHIRE COUNCIL

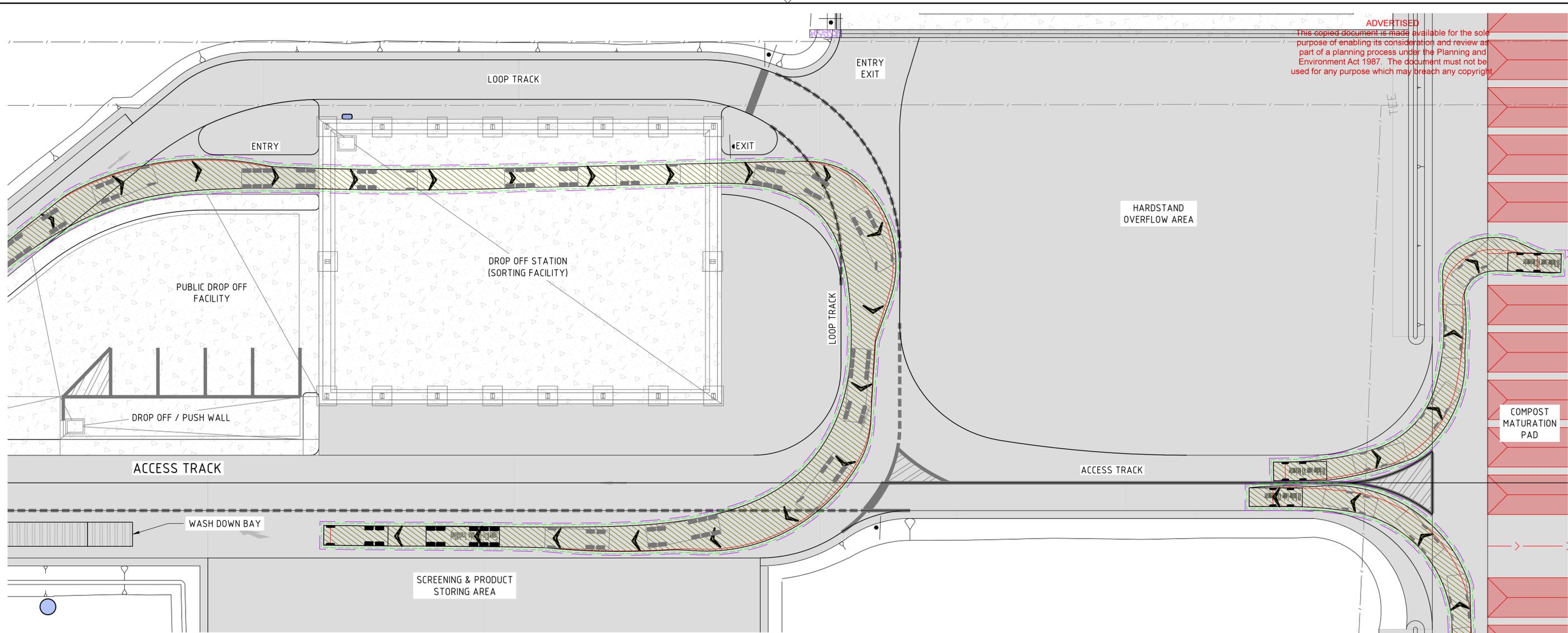
PROJECT TITLE

EAST GIPPSLAND SHIRE COUNCIL
 COMPOST FACILITY
 VEHICULAR TURNING MOVEMENTS
 SHEET 2

SCALE AS NOTED PHASE TENDER PROJECT / DRAWING No. 30049148_202 REVISION 02

DETAIL DESIGN

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TIPPER & TRI-DOG (TRUCK & DOG) (22.3m)
 DROP-OFF STATION (SORTING FACILITY)
 SCALE 1:250

BACKHOE LOADER (6.74m)
 MATURATION PAD
 SCALE 1:250

LEGEND

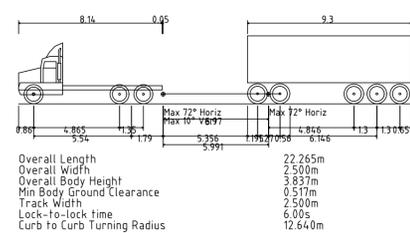
FORWARD MOVEMENT

- VEHICLE BODY
- VEHICLE WHEELS
- VEHICLE HORIZONTAL CLEARANCE (0.3m FROM BODY)
- VEHICLE HORIZONTAL CLEARANCE (0.5m FROM BODY)

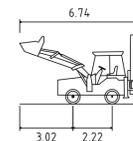
REVERSE MOVEMENT

- VEHICLE BODY
- VEHICLE WHEELS
- VEHICLE HORIZONTAL CLEARANCE (0.3m FROM BODY)
- VEHICLE HORIZONTAL CLEARANCE (0.5m FROM BODY)

VEHICLES



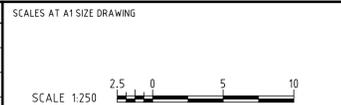
TIPPER & TRI-DOG (TRUCK & DOG) (22.3m)



BACKHOE LOADER (6.74m)

150 mm ON ORIGINAL
 150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

DRAWING FILE LOCATION / NAME				PLOT DATE		TIME	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME
	01	NOT ISSUED	DRAFT ISSUE	001	B.Q.	DRAFTER	N.HOLE
	02	23.08.24	ISSUED FOR TENDER	002	B.Q.	DRAFTING CHECK	Z.HUMPHREYS
						DESIGNER	N.HOLE
						DESIGN CHECK	K.BEARD
						PROJECT MANAGER	B.QUILL
						PROJECT DIRECTOR	W.MOSSE



DESIGNER

an sbs company

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 DOCKLANDS VIC 3008
 SMEC PROJECT No 30049148

DETAIL DESIGN

CLIENT

EAST GIPPSLAND
SHIRE COUNCIL

PROJECT TITLE			
EAST GIPPSLAND SHIRE COUNCIL COMPOST FACILITY VEHICULAR TURNING MOVEMENTS SHEET 3			
SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS NOTED	TENDER	30049148_203	11/02/2025 02