

# ADVERTISED PLAN

9 April 2024

Tim Chan  
Cosentino Group  
12 Business Park Drive  
NOTTING HILL, VIC 3168

Email: tim@cosentinogroup.com.au

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Dear Tim,

**RE: STORMWATER CONNECTION CONSENT**  
**LOCATION: 1-27 Princes Hwy, Dandenong South VIC 3175**  
**MW REFERENCE: MWA-1293628**  
**YOUR REFERENCE: 18394-OC4 Issue 1**

Thank you for your application and plans submitted on 8/04/2024 regarding the proposed works.

Melbourne Water **does not object** to the twin 1200mm diameter stormwater outlet into Melbourne Water's Eumemmering Creek, (as per submitted Drawing Number Site EMP A1 Plan, 18394-OC4 Issue 1), subject to the following:

1. A copy of this correspondence **must** be kept on site at all times.
2. Prior to the commencement of works a site meeting is to be arranged with your contractor to establish a clear understanding of Melbourne Water's requirements. Inspection requests must be done by your contractor via our online application process at the below link:

<https://www.melbournewater.com.au/planning-and-building/apply-to-build-or-develop/inspection-work>

Please note:

- a. Applicable fees must be paid prior to applying for an inspection
- b. The contractor must request the first/pre-inspection via this application, all other inspections will be managed directly with our Site Inspector
- c. All necessary items as per the approval letter will be requested via the application (this includes items such as Permit Recipient Training Number, SEMP, SWMS, JSA's, etc.)

3. **Prior to commencement of construction, a Site Environmental Management Plan (SEMP) must be produced and adopted on site. The SEMP must address the following:**

- a. Sediment and silt management controls
- b. Vegetation management techniques
- c. Access tracks
- d. Spoil stockpiling
- e. Machinery/Plant locations
- f. Exclusion fencing around native vegetation/habitat

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4. **Prior to commencement of construction, a Work Method Statement and a Task Risk Assessment must be produced and adopted on-site.**

**The statement must address the following:**

- a. OH&S measures in place to reduce risk
- b. Safe Work Practices
- c. Process for machinery to access the creek
- d. Diversion of flows for low and high flows
- e. Evacuation procedure during times of high flows and fire danger periods

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5. The proposed outlet pipe must be supported using a reinforced concrete cradle, as outlined in the enclosed standard drawing.

Please note that this cradle also functions as a cut off wall preventing high flows from backwashing into the trench and undermining the pipeline.

- 6. The proposed underground drain must be set as close as achievable to the waterline and must extend toward the waterway so that it does not protrude significantly beyond the line of abutting creek bank nor resulting in extensive rockwork. The outlet must be integrated into the bank and surrounding landscape to maximise aesthetics and minimise visual impact. An overhang rock must be placed extending over the top of the outlet pipe to minimise visual effect .
- 7. A rock chute is to be placed from the outlet of the pipe to the bed of the creek to dissipate flows and prevent erosion. Additional rock work may be required on the opposite bank. See attached standard drawing for further details.
- 8. Vehicular access is required within the reserve/waterway for maintenance purposes. The pipe must be designed to withstand intermittent loading. Melbourne Water accepts no responsibility for damage to the pipe during maintenance activities.
- 9. Fill resulting from excavation works must be stockpiled in an area outside the flood plain or as agreed with Melbourne Water. Excess fill must be removed from the site at the expense of the owner/contractor.

10. Only clean stormwater may be discharged into Melbourne Water's drainage system. Other discharges may require licensing under provisions of the Environment Protection Act 1997.
11. Any disturbance or damage to areas along a declared waterway reserve, drainage easement/reserve or private property as a result of the works shall be kept to a minimum and reinstated as near as practicable to its former condition.

**Reinstatement will include but not be limited to the following:**

- a. Backfill, levelling and compaction
- b. Clean-up of site;
- c. Regrading the access track ;and
- d. Topsoiling and seeding of grassed areas (only if disturbed)

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**No vegetation may be cleared from the site without approval from Melbourne Water's Asset Protection Inspector. Reinstatement will be at the Owner's/ Developer's cost.**

12. The works on the waterway and reinstatement of the affected area must be carried out to the satisfaction of Melbourne Water. Please contact the nominated Asset Protection Inspector to arrange a Practical Completion Inspection. Upon inspection, Melbourne Water may order additional work/protection of the bank(s) around the proposed works as necessary. Any additional costs must be borne by the applicant/developer/owner.

Please note that this inspection is not a final inspection. Instead, a final inspection will be carried out no sooner than three months after the works have been deemed practically completed. This period will serve as a defects liability period, thus ensuring the crossing works withstand the variable conditions induced by the natural elements of rain and creek flows.

Please contact the relevant Asset Protection Inspector to make the final inspection. Once the final inspection has been made by the Asset Protection Inspector, the Owner/Agent shall complete the enclosed End of Defects Liability Form and return it to Melbourne Water.

13. A **\$5000.00** Asset Protection Security Fee must be paid to Melbourne Water prior to any works commencing as a security for the reinstatement of the reserve and bank protection works. **This amount will be refunded no sooner than three months from the completion of works as determined by a final inspection.** Any Asset Protection Security Fee not claimed within 3 years from the date of this letter shall be forfeited, unless written notification is provided and agreed upon by Melbourne Water.

Please note that the Security Fee will not accrue interest whilst it is held at Melbourne Water. Additionally, an inspection fee of **\$314.35** is made payable to **Melbourne Water Corporation prior** to the commencement of works. Payment must be accompanied by the enclosed Remittance Form and sent to:  
[devconnect@melbournewater.com.au](mailto:devconnect@melbournewater.com.au)

\*Additional charges may apply in the recovery of fees. Please note that GST does not apply to this charge.

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14. Lodgement of the above amount with Melbourne Water and/or making arrangements to proceed shall be deemed acceptance of these conditions.
15. The construction and ongoing maintenance of the outlet and any associated rockwork within the bed and banks of the waterway are the responsibility of the owner/council.
16. Work must be undertaken during appropriate weather conditions. No work is to be undertaken during wet periods that will result in unnecessary damage to the waterway/ Melbourne Water managed land.
17. Melbourne Water must not be represented in negotiations for access into private property. Access must be negotiated between the developer and the affected property owners.
18. Melbourne Water is indemnified from any claims of injury or damage arising from the proposed works. Melbourne Water is indemnified from and against all liabilities, losses, damages, costs or expenses directly or indirectly incurred from the subject works, its officers, employees or authorised agents as a result of the works.
19. Please note the proposed works may trigger approval requirements concerning environmental, biodiversity and cultural heritage controls. Accordingly, you are advised you may need to consult with the following authorities and agencies: Department of Energy, Environment and Climate Action (DEECA), Department of Transport and Planning (DTP), Office of Aboriginal Affairs Victoria (OAAV), Heritage Victoria and Municipal Council.

You are advised that under the Water Act penalties apply for unauthorised interference with waterways under Melbourne Water's control.

Work must commence within 12 months from the date of this letter, after which this approval will lapse and Melbourne Water will reserve the right to either grant an extension of time or impose additional conditions.

Please note that our consent to your proposal does not affect the rights of any other parties over the area in question.

If further information is required on this matter, please contact the undersigned below on 131 722 or email [devconnect@melbournewater.com.au](mailto:devconnect@melbournewater.com.au) quoting the Melbourne Water reference MWA-1293628.

Yours sincerely,



**Dimos Dioudis**  
Asset Protection

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## REMITTANCE FORM

**This completed form must accompany payment**

<b>Property:</b>	1-27 Princes Hwy, Dandenong South VIC 3175
<b>Your Reference:</b>	18394-OC4 Issue 1
<b>Offer (Ref):</b>	MWA-1293628
<b>Date of Offer:</b>	9 April 2024
<b>AMOUNT PAYABLE:</b> (This is a GST exempt supply)	5314.35

**As payer for the works at the above property, I/we agree to the conditions outlined in Melbourne Water's letter of offer.**

Name of payer: .....

Ph: ..... Email: .....

Signature of payer: ..... Date: ..... / ..... / .....

Postal Address of payer: .....

.....

If signing on behalf of a company, please print your name and position:  
.....

**Please tick appropriate payment option box:**

ELECTRONIC BANK TRANSFER

**Bank Name:** WESTPAC  
**Bank Account Name:** MELBOURNE WATER CORPORATION DRAWINGS ACCOUNT  
**BSB No:** 033-000  
**Account No:** 295655

INTERNET / CREDIT CARD (up to \$10,000)

Visit <https://www.melbournewater.com.au/about-us/online-payments-and-tenders> to pay with VISA or MasterCard.

*Note: ensure that Offer Ref. No. MWA-1293628 and amount payable of \$5314.35 is provided when entering online payment details.*

**OFFICE USE ONLY:**

	\$	CENTRE No.	ACCOUNT No.
<b>Security Fee</b>	<b>5000</b>	1	5292
<b>Connection/Inspection Fee</b>	<b>314.35</b>	D20303	1165

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**ACCEPTANCE FORM – STORMWATER OUTLET / A**

**TO BE SUBMITTED AT LEAST 5 WORKING DAYS PRIOR TO COMMENCEMENT OF WORKS**

**DETAILS OF APPLICANT**

I, (Name in full)  
 (Owner/Agent) (If a corporation, company, partnership, or other body, state full registered name)

of (Full address)  
 Suburb ..... Postcode  
 being the owner of the property situated at

agree to the conditions outlined in Melbourne Water’s letter of offer and hereby accept that the contractor listed below will carry out the necessary waterway works and that all Melbourne Water correspondence in relation to the subject works has been forwarded to the Contractor and fees paid.

Owners’ Signature Date / /  
 (Agent)

Print Name Position Held:  
 (If a corporation, company, partnership, or other body, print in full, the name of the signatory and the position held by the signatory in such body)

**DETAILS OF CONTRACTOR**

I, (Name in full)  
 (If a corporation, company, partnership, or other body, state full registered name)

of (Full address)  
 Suburb ..... Postcode

Certify that:

- The work shall comply with:  
 Melbourne Water Standards and shall be subject to random auditing  
 MWC Notification of Works and relevant statutory laws and regulations.  
 the requirements outlined in Melbourne Water’s Letter of Approval.
- If any defect is found in the work carried out within a period of twelve months from the date of completion, and the defect is attributed to faulty workmanship, I shall undertake to rectify the defect and cover all associated expenses incurred by Melbourne Water Corporation.
- I am an agent of the owner described above and shall not admit any liability on behalf of Melbourne Water Corporation.

Contractor’s Signature Date / /

Commencement Date of Work / /

This form must be forwarded to Asset Protection at least 5 working days prior to commencement. It may be lodged via email at [devconnect@melbournewater.com.au](mailto:devconnect@melbournewater.com.au).

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## PRACTICAL COMPLETION FORM /B

To be submitted after the works have been completed to Melbourne Water’s inspectors satisfaction as specified and signed off by the Asset Protection Inspector. This form is to be submitted via email to [devconnect@melbournewater.com.au](mailto:devconnect@melbournewater.com.au)

Timeline	Issue	Issuer Initial	Y/N
Prior to commencement of construction	Contractor has copy of this letter		
	SEMP & Safe Work Method Statement completed		
	Acceptance Forms submitted		
	Payment of applicable fees and security fee		
	Pre-commencement site meeting with Asset Protection Inspector		
	Sediment/Silt Control Measures prepared and in place		
	Obtained 'Notification of Works' from MWC Asset Protection		
During Construction	Appropriate Rockwork Completed		
	Pipe to correct angle and set on grade		
	Photos of Works submitted to Melbourne Water, indicating completed works, revegetation & silt control measures undertaken		
Post Construction	Debris, Building Material, Silt Removed		
	Sediment/Silt Control Measures monitored/removed		
	Practical Completion site meeting with Melbourne Water’s Asset Protection Inspector		

### DETAILS OF CONTRACTOR

Property Address:.....

I, (Name in full) .....  
 .....(If a corporation, company, partnership, or other body, state full registered name)

Of (Full address) .....

Suburb..... Postcode.....

Hereby certify that the works on the waterway have been completed in accordance with Melbourne Water’s letter of approval and standards.

Consultant: ..... / .....

Contractor: ..... / .....

**SIGN-OFF WORKS COMPLETED TO ASSET PROTECTION INSPECTOR’S SATISFACTION:**

Signature..... Asset Protection Inspector.....

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**FINAL INSPECTION**

**END OF DEFECTS LIABILITY DECLARATION / C**

**TO BE SUBMITTED AFTER THE FINAL INSPECTION BY THE ASSET PROTECTION INSPECTOR**

Property Address: .....

Suburb: ..... Postcode: .....

I, (Name in full) .....  
(If a corporation, company, partnership, or other body, state full registered name)

Of (Full address) .....

Suburb: ..... Postcode: .....

hereby certify that the works on the subject waterway have satisfactorily withstood the variable conditions induced by the natural elements of rain and creek flows in the three months from date of Practical Completion and request the return of the Security Fee.

Owner's (Agent's) Signature ..... Date ...../...../.....

Owner's (Agent's) Full Name .....

**SIGN-OFF WORKS COMPLETED TO ASSET PROTECTION INSPECTOR'S SATISFACTION:**

Signature..... Asset Protection Inspector.....

Date of Practical Completion of Drainage Works: ...../...../.....

Date of Final Inspection: ...../...../.....

**This form is to be submitted via email only to [devconnect@melbournewater.com.au](mailto:devconnect@melbournewater.com.au);**

- **3 months AFTER the works have been completed to Melbourne Water's satisfaction, as specified and signed off by the Asset Protection Inspector**

**After a final inspection by the Asset Protection Inspector**

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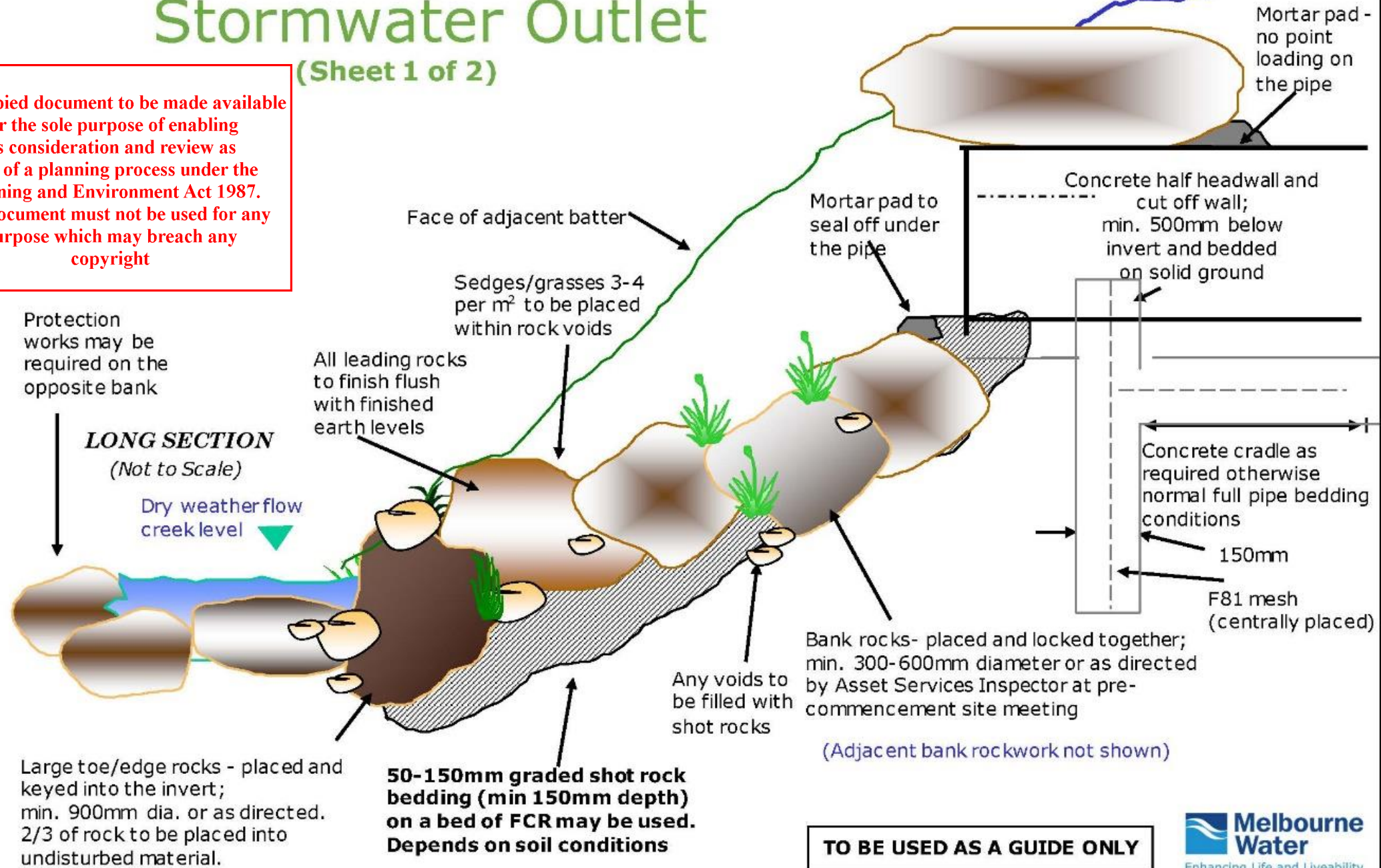
# CREEK ENHANCEMENT WORKS

## Stormwater Outlet

(Sheet 1 of 2)

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# CREEK ENHANCEMENT WORKS

## Stormwater Outlet (Sheet 2 of 2)

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### Stormwater Outlet

### PROCEDURE

- Prior to commencement of works, Maintenance Officer to be contacted to discuss on site the proposed works and "Permit to Work".
- Excavate/box out to enable toe and perimeter rocks to be placed first.
- Key toe rocks to two-thirds diameter into undisturbed material.
- Infill the chute with rock spalls. The contractor shall use methods for handling and placement of rock that will avoid segregation of rock size fractions.
- Rock shall be carefully placed into position. Rock shall not be dumped directly.
- It is imperative that rock spalls used to form the rock chute are well graded with minimal voids to produce a blanket of interlocking rock.

### GENERAL NOTES

- 1.5 m/sec max. outlet velocity ;
- Outlet pipe to be set back into the finished batter slope, pointing a max. of 45 degrees downstream ;
- Sedges & grasses must be placed in between voids within the rock chute at 3-4 plants per m<sup>2</sup> to provide additional screening. Shrubs & small trees must also be placed around the post barrier to screen flows and stabilise the ground where needed.
- Rocks abutting the pipe to have a mortar pad between the rock and the outside edge of the pipe (no point loading) ;
- Rockwork protection required for the bed and banks, from the end of pipe to the low flow water level. Rock protection required for the full erosion projection of the opposite bank and bed as required for the water flow profile when the outlet is flowing full ;
- Rocks within the base to be placed on a FCR bedding to ensure the stormwater discharge is flowing over and around the rocks down into the creek, and not underneath.
- Disturbed areas of existing bank resulting from these works are to be stabilised with revegetation.
- The outlet must be integrated into the bank and surrounding landscape to maximise aesthetics and minimise impacts
- Toe and side rocks are to be adequately keyed into the bed of the creek.
- All voids shall be filled with smaller rocks.
- Appropriate silt/debris control measures must be installed.

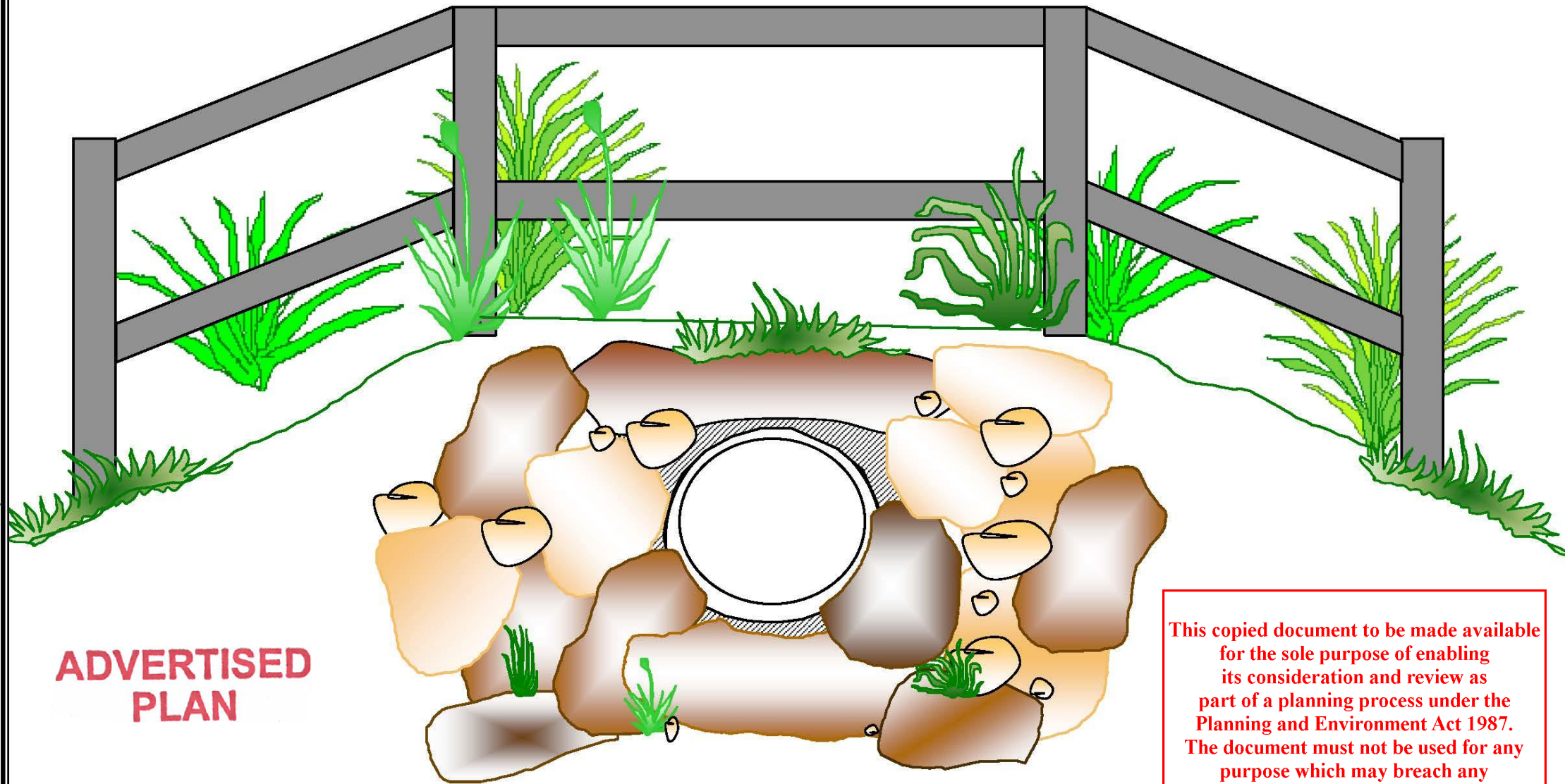
Direction of Creek Flow

30°- 45°

FRONT VIEW (Not to Scale)

TO BE USED AS A GUIDE ONLY

# Pine Post and Rail Barrier to be installed around outlet structures



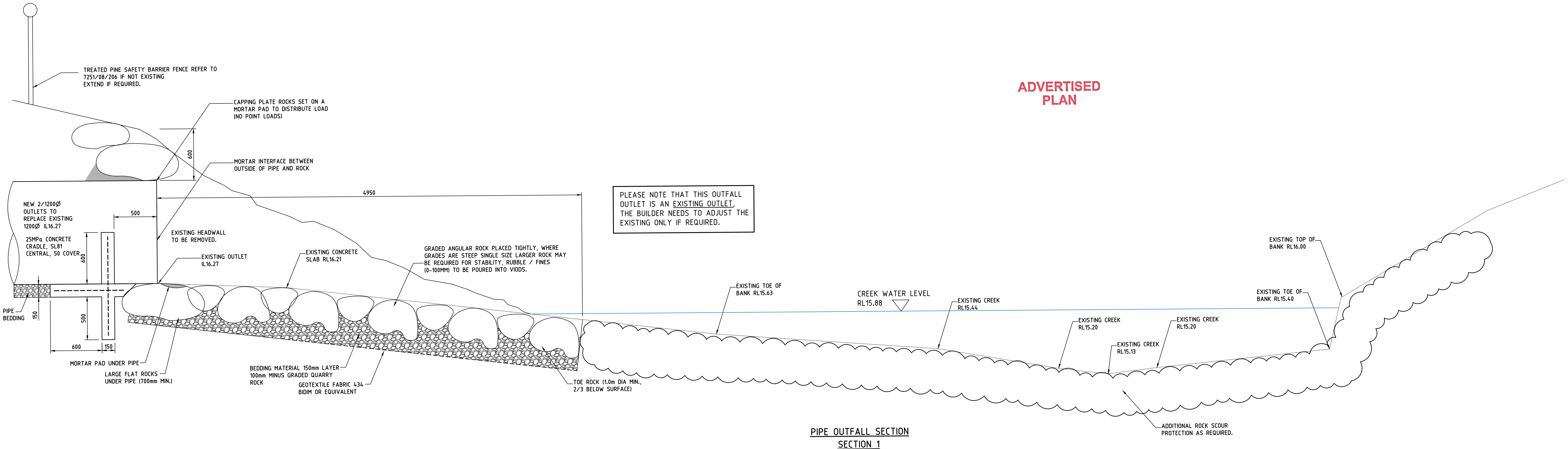
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Note: Dimensions to suit size of outlet structure. Rails must be permanently fixed to posts with no rotational movement.

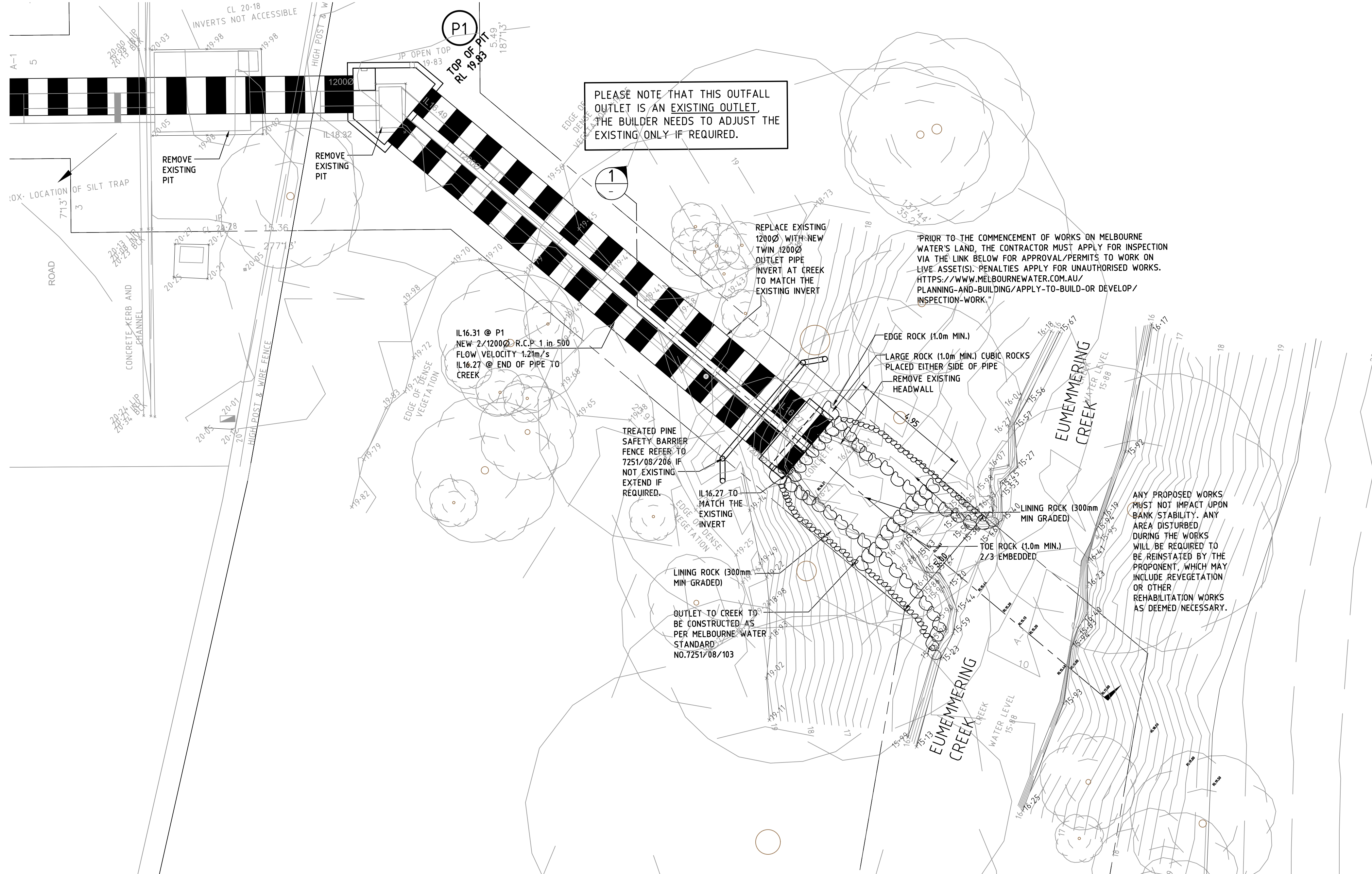
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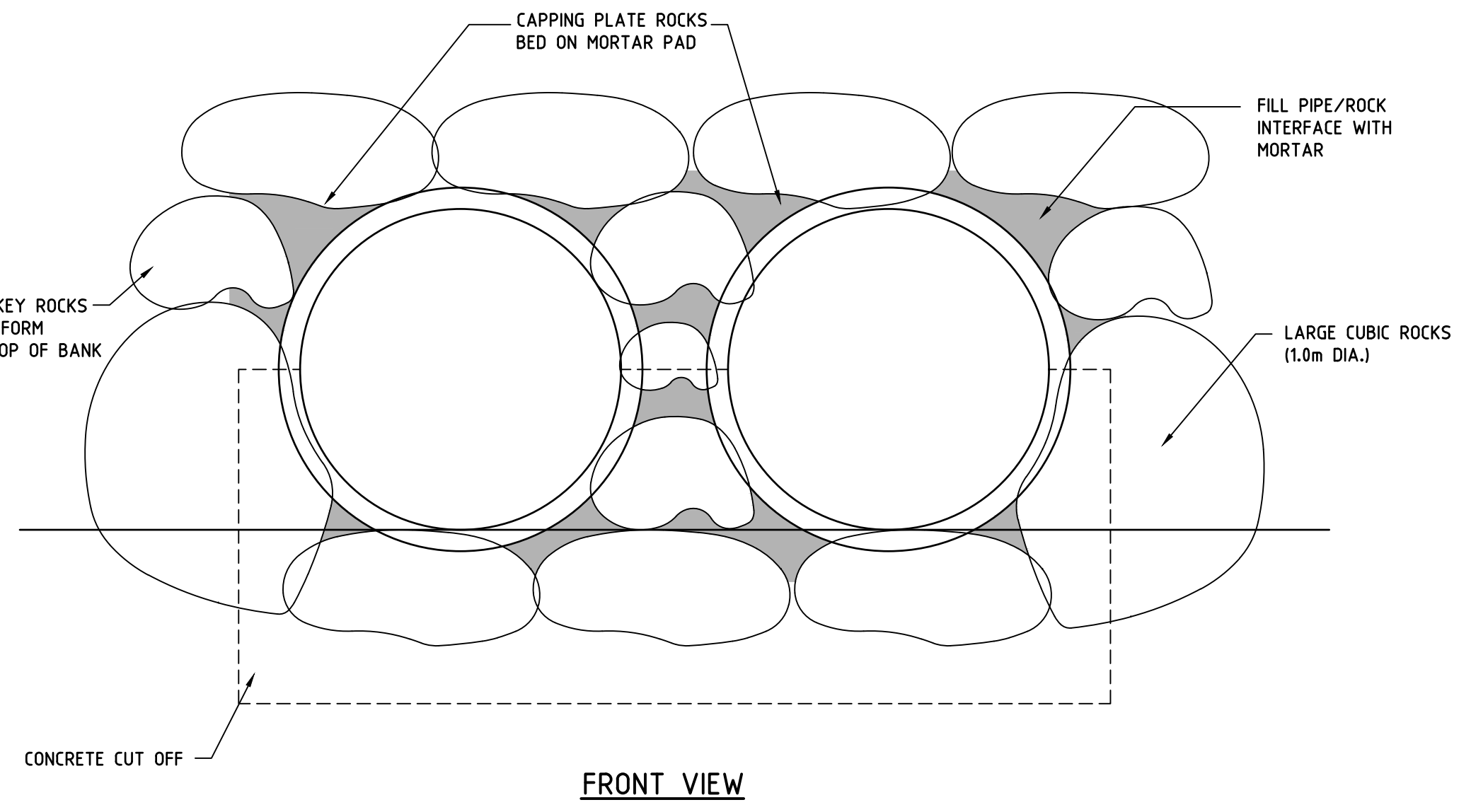
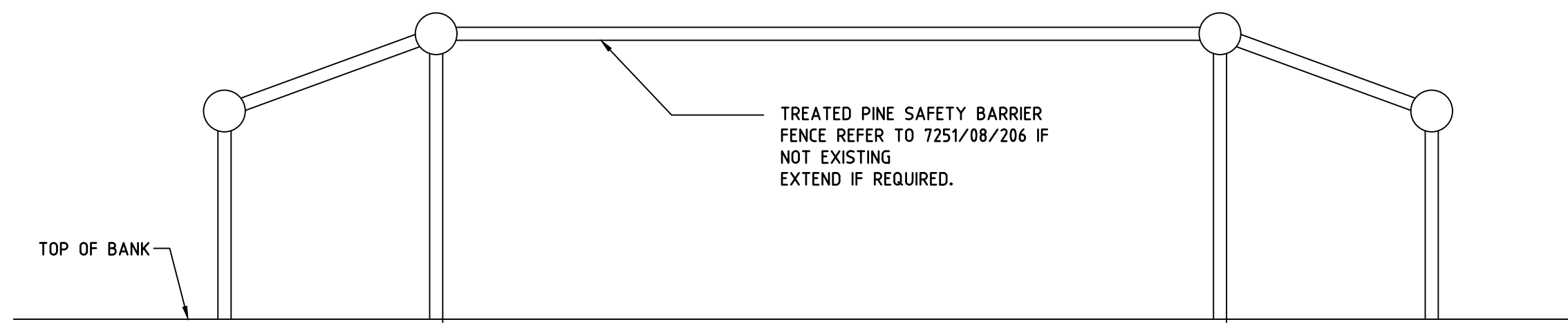


**PIPE OUTFALL SECTION SECTION 1**

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**PIPE TO CREEK ENLARGEMENT PLAN**



**FRONT VIEW**

MELBOURNE WATER REF: MWA-1280508



1	ISSUED FOR MELBOURNE WATER APPROVAL	1.11.23
ISSUE	DESCRIPTION	DATE
<b>REVISIONS</b>		
PLOT DATE	1 November 2023	

**PRELIMINARY**  
NOT TO BE USED FOR CONSTRUCTION PURPOSES

CLIENT  
**Aliro**

PROJECT  
**7 PRINCES HIGHWAY DANDENONG SOUTH VIC 3175**

PIPE OUTFALL PLAN

**Cosentino Group**  
12 Business Park Drive  
Notting Hill, Victoria 3168, Australia  
t: (03) 9265 9888 e: engineering@cosentinogroup.com.au

DESIGNED	T.C.	DATE	NOVEMBER 2022
DRAWN	T.C.	SCALE	1:100 @ B1
DRAWING No	<b>18394 - OC4</b>		
ISSUE	<b>1</b>		

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The following have been identified as significant environmental aspects for the site:

- Noise and Vibration
- Dust
- Erosion and Sediment
- Waste
- Chemicals

These aspects shall be managed with the environmental protection measures outlined on this plan.

### Management

<p>1. Responsibilities:</p> <p>Damien Toppi (Project manager) 0439 015 417          Gavin Doyle (Site manager) 0456 565 878          Mick Harvey (OHSE Manager) 0417 470 678</p> <p>Emergency Contact 1: Gavin Doyle 0456 565 878          2: Damien Toppi 0439 015 417</p>	<p>4. Staging of Works:</p> <ul style="list-style-type: none"> <li>• Melbourne Water Outfall Drain Works – 18 September 2024 to 20<sup>th</sup> December 2024</li> <li>• Bulk Earthworks - 6th January 2025 to 30th May 2025</li> <li>• Concrete Footings – 3rd March 2025 to 3rd May 2025</li> </ul>
<p>2. Communication of EMP Requirements:</p> <ul style="list-style-type: none"> <li>-Site EMP will be included into site induction process</li> <li>-Site EMP will be displayed on site Notice Board</li> <li>-Fortnightly review at site Toolbox Meetings or when required</li> </ul>	<p>5. Informing Residents:</p> <ul style="list-style-type: none"> <li>-Consult and inform residents and other people who may be affected by site works.</li> </ul>
<p>3. Inspections and Maintenance:</p> <ul style="list-style-type: none"> <li>-Daily site checks</li> <li>-Weekly full site inspections</li> <li>-Inspections prior to and after rain events</li> <li>-Inspections of Eumemerring Creek during construction</li> <li>-Immediate repairs made to controls</li> <li>-Full site inspection after any breach or complaint</li> </ul>	<p>6. Associated Documents:</p> <ul style="list-style-type: none"> <li>-Environmental Management Plan Inspection record</li> <li>-Environmental Spills record</li> <li>-Site Induction record</li> <li>-Complaints Form</li> <li>-Site EMP audit / review documentation</li> </ul>

### Noise Risk: Low

Requirement: EPA Victoria and Council requirements must be adhered to in relation to the level of noise and working hours, to ensure that residents and other applicable neighbours to the site are not disturbed unreasonably. The generation of noise must be minimised.

<p>7. Working Hours:</p> <p>7:00am to 6:00pm Mon-Fri          7:00am to 1:00pm Sat</p>	<p>8. Noise Minimisation Methods:</p> <ul style="list-style-type: none"> <li>-Any plant and machinery that has not been serviced and maintained will not be operated on site.</li> <li>-Any machine producing excessive noise &amp; vibration will not be operated until it is serviced to resolve the problem.</li> <li>-Limit noise and vibration by onsite activities to offsite receptors (e.g., maximise distances from receptors or utilise shielding between the noise / vibration source and offsite receptor).</li> </ul>	<p>9. Other:</p> <ul style="list-style-type: none"> <li>-The project site should not affect any existing premises</li> <li>-Consult and inform residents and adjacent premises who may be affected by noise and vibration.</li> </ul>
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### Dust Risk: Med

Requirement: Dust generation must be minimised to ensure there is no health risk or loss of amenity.

<p>10. Minimising Dust Generation:</p> <ul style="list-style-type: none"> <li>-Site speed limit to be enforced.</li> <li>-Truck routes to be established.</li> <li>-Avoid transporting material/ stockpiling on windy days.</li> <li>-Fencing</li> </ul>	<p>12. Contingencies:</p> <ul style="list-style-type: none"> <li>-Weather forecasts to be considered prior to demolishing and earthwork activities.</li> <li>-Works to cease if the dust being generated is affecting visibility on site and on adjoining roads.</li> <li>-In the event there is any delay in continuation of works, dust generating areas are to be sprayed with dust surfactant / suppressant or hydro-seeded to minimise dust.</li> </ul>
<p>11. Dust Suppression:</p> <ul style="list-style-type: none"> <li>-Cover soil stockpiles, construction materials, demolition waste and truck loads entering/leaving site.</li> <li>-Water truck available on site at all times to spray truck routes and exposed surfaces.</li> <li>-Stop work if dust generated from construction on site reaches neighbouring areas or properties if visibility is affected on adjoining roads or dust presents a risk to occupational health.</li> </ul>	<p>13. Other:</p>

### Erosion and Sediment Risk: Significant

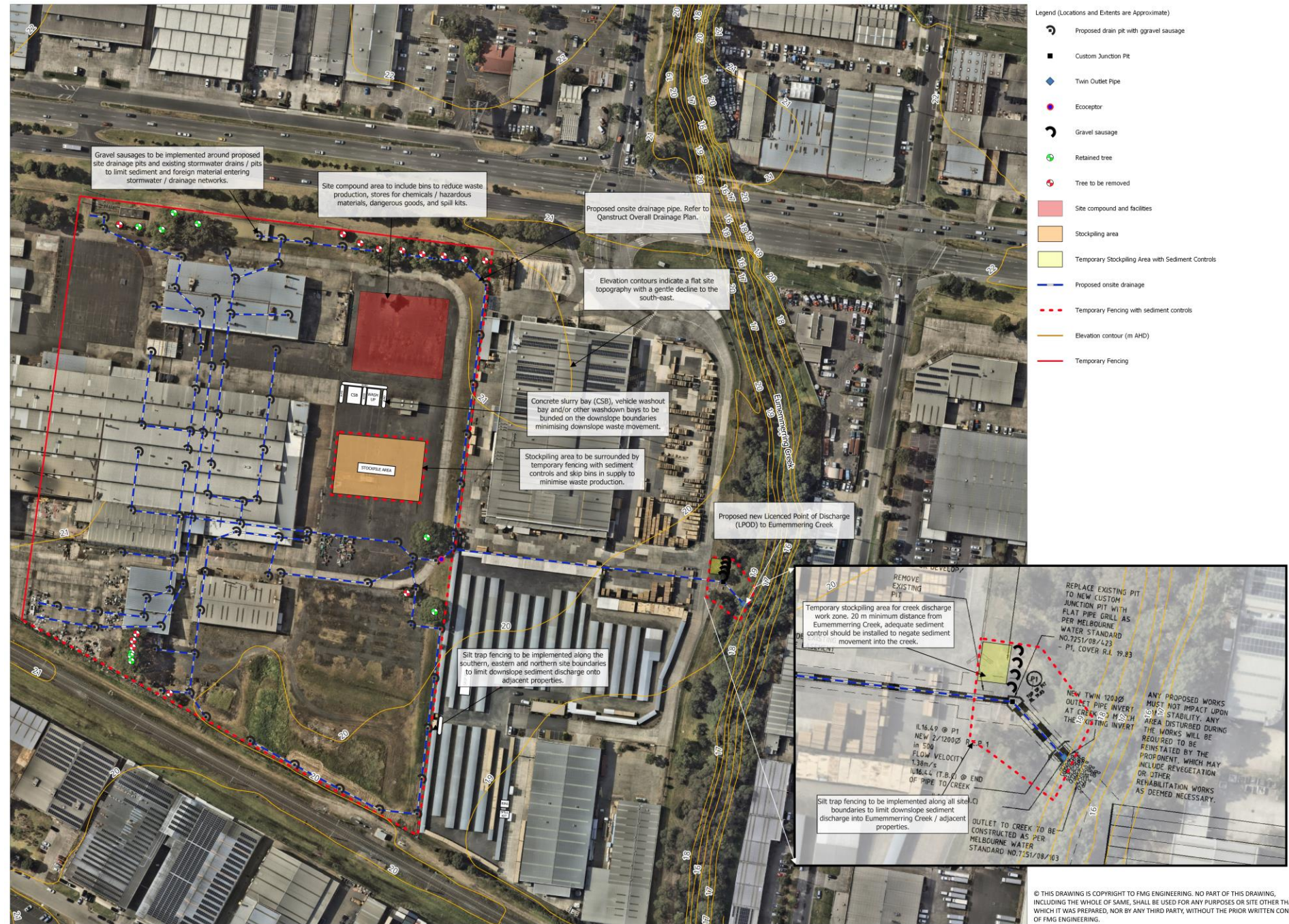
Requirement: Erosion and sediment must be managed in accordance with current best practice environmental management practices, to prevent sediment-laden water from entering any drainage system or natural waterway.

<p>14. Drainage Management:</p> <ul style="list-style-type: none"> <li>-Project site has limited vegetation at the present time therefore site works should not impact or greatly change existing conditions.</li> <li>-Any surface run off will be diverted away from exposed surfaces, batters and/or stockpiles.</li> <li>-Any contaminated flow generated on site to be diverted to a sediment treatment basin/tank.</li> <li>-All surface runoff must be diverted away from trenched or backfilled areas to avoid erosion.</li> </ul>	<p>17. Sediment Traps:</p> <ul style="list-style-type: none"> <li>-The work zone will be enclosed by secure and obvious temporary fencing to the entire site perimeter. The temporary fencing will remain in place until works are completed.</li> <li>-Perimeter fencing around the site and to have silt protection along the east and west boundaries where site elevation levels are higher than adjoining properties. Additional silt protection fencing outfall construction area to limit sediment discharge into Eumemerring Creek and adjoining properties.</li> <li>-Contain and remove sediment / concrete slurry from the wash down bays in a sediment basin or portable sedimentation tank.</li> <li>-Sediment fences shall be placed around stockpiled soils, all side entry &amp; storm water pits to form a temporary sediment trap and filtration system.</li> <li>-All site drainage pits and stormwater drains to have gravel sauses.</li> <li>-Reduce the amount of sediment entering stormwater pits and kerb inlets with screens, filter traps or silt socks.</li> <li>-Minimise vehicle and pedestrian access near waterways.</li> <li>-Restricting access to essential works only.</li> <li>-Fill material, machinery and building materials will not be placed outside of the works zone.</li> <li>-Divert clean stormwater around the site, where possible.</li> </ul>
<p>15. Soil Stabilisation:</p> <p>During Construction:</p> <ul style="list-style-type: none"> <li>-All excavation/ grading works will cease during periods of heavy rainfall.</li> <li>-Where practicable the earthworks staging shall attempt to preserve the limited vegetation that exists to limit erosion and act as a natural sediment filter.</li> <li>-Ensure all rock work is well constructed and any small holes or gaps are to be filled with appropriately sized rocks to avoid movement and shifting and where possible use of sedges to stabilise rockwork.</li> </ul> <p>Post Works:</p> <ul style="list-style-type: none"> <li>-Revegetation shall be encouraged to minimise possible sediment run off and wind erosion.</li> </ul>	<p>18. Dewatering:</p> <ul style="list-style-type: none"> <li>-Where water is of suitable quality, reuse on site for dust suppression.</li> <li>-Site to be graded and compacted to avoid water ponding.</li> <li>-In the event of water ponding, this water must be pumped into a temporary sump pit and filtered through sediment fencing prior to discharge to any drains.</li> <li>-The sump pit must be located 20 – 30m away from any pits or drains.</li> <li>-If there are no suitable vegetated areas, treatment of sediment laden water is required before discharging runoff to a natural waterway or stormwater system, where turbidity exceeds 30 NTU<sub>19</sub> and is higher than upstream measurements. Hourly measurements of discharge water quality should be taken.</li> </ul> <p>19. Vehicle and Road Management:</p> <p><b>Site Access:</b></p> <ul style="list-style-type: none"> <li>-One access point for construction vehicles to site.</li> <li>-Vehicles to stay on established roadways.</li> <li>-Site car parking for all other vehicles.</li> <li>-Rumble grids and large granular material (Ballast Rock) at least two vehicle lengths must be installed at access point.</li> </ul>

## Site EMP A1 Plan (1)- Types and Locations of Environmental Protection Measures

Project Name: Site Environmental Management Plan – Princess Highway

Date and Revision: 27/03/2024



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the site within a timely manner.

- Stockpiles will be located on a flat section of land at least 10m away from any waterways, pits, open drains or paved areas.
- Stockpiles will be located away from areas supporting native vegetation and large trees.
- Each stockpile will be constructed with a slope no greater than 2:1 (horizontal: vertical).
- Stockpiles must be at least 20m in length and a height no greater than 4m.
- All stockpiles will have silt fences placed around their perimeter.
- Stockpiles in place for more than 28 days to be temporarily grassed.

- Rumble grids and ballast rock to be maintained regularly to ensure effectiveness, if relevant.
- Crushed rock to be installed for internal haul roads and stabilised access area / site compound, where no asphalt/concrete is present.
- Roadways will be monitored to check for any debris on roadway.
- A street sweeper should be on standby for any breaches of sediment deposition along Princes Highway and other roadways.

**Cleaning Vehicles:**

- Wash all equipment in designated vehicle wash down area.
- Sediment fencing (or other acceptable sediment control measure) to be erected around vehicle wash down area.
- If deposition of materials along the roadways is a common issue, the quality of the haul road and rumble grids are to be reassessed.

**Street Cleaning:**

- One access point for construction vehicles to site.
- Vehicles to stay on established roadways.
- Site car parking for all other vehicles.
- Existing and finished roads to be inspected regularly and any sediments deposited there to be fully removed until the end of the maintenance period.

**20. Other:**

- Roadways will be monitored to check for any debris on roadway.
- For storm events, divert excess stormwater into a sediment basin or portable sedimentation tank to prevent it from leaving site and entering stormwater networks and waterways.
- All sediment and filtration controls shall be inspected regularly and prior to and after storm events.
- Sediment run-off controls and drainage around all construction areas must be established prior to commencement of any building or works.
- All sediment control measures must be maintained and intact for the duration of the works (including reinstatement period) and inspected regularly prior to (and after) rain events to ensure proper functioning.
- Immediate repair of sediment control measure damages after any storm or flood event.
- Extra sediment fencing and sediment control measure items to be available on site for emergency repairs.
- Stormwater pits along established roadways, which are subject to sediment, must be protected.

**Waste**

**Risk: Med**

**Requirement:** Litter and waste must be contained on site, before disposal in a responsible manner. Waste generation must be minimised.

**21. Movement of Soil: N/A**  
Contaminant Status:

**22. Waste Minimisation Methods:**

- Incorporate the waste hierarchy - Avoidance, Reuse, Recycling, recovery of Energy, Containment and Disposal
- A waste contractor will be engaged to remove all construction waste.
- Waste will be sorted off site at a licensed facility

**23. Waste Storage and Disposal:**

- Bins will be provided on site for all construction waste.
- Lidded bins to be situated in site sheds and site compound and will be emptied daily or when full.
- All loose waste materials to be weighted down in bins so wind cannot spread waste.
- Adhere to regulatory requirements for waste disposal.

**24. Other:**

- Worksites are to be kept tidy and free of litter - any litter visible on site to be collected daily.
- Maintain waste records.

**Chemicals**

**Risk: Low**

**Requirement:** Storage and spill management practices must be implemented to ensure that no environmental damage can result from the escape or spillage of chemicals or fuels.

**27. Refuelling Procedure:**

- All site machinery will use mini tankers to refuel in designated area away from pits and excavations.
- No refuelling is to occur within minimum 20m of any drainage inlet.
- All refuelling and other hazardous materials use to only occur within appropriate bunded or portable sealed bunded area.

**25. Storage:**

- All chemicals stored on site shall have the appropriate SDS supplied prior to arrival on site.
- All fuels, oils will be stored in clearly labelled containers. To be stored in well-ventilated and bunded areas.
- Minimal storage on site for any chemicals being used by subcontractors.
- Maintaining an inventory that lists all chemicals stored onsite, the quantities and their locations.

**28. Other:**

- Machine maintenance will be conducted off site.

**26. Spill Management:**

- Use the appropriate personal protective equipment (PPE) for worker safety.
- Spill kits available where chemicals are stored and on site in the event of chemical /oil spill i.e. machine failure
- All spills to be cleaned up immediately to avoid contamination of the soil or water.

**29. Flora and Fauna:**

- The construction plan footprint does not involve tree or native vegetation removal.
- Suitably qualified wildlife rescue / animal handlers must be present during the removal of trees, native vegetation and other potential animal habitat.
- A suitably qualified wildlife rescue / animal handlers must be engaged if wildlife needs to be relocated from the site.
- All significant flora, fauna and habitat on or adjacent to the site must be protected and signed accordingly.
- Trees to be retained (if any) must be protected in Tree Protection Zones (TPZs). Any encroachment into TPZs must only be undertaken in accordance with Council requirements and approval.
- Temporary fencing to allow wildlife to exit the site.
- Record and document unexpected wildlife finds.
- Exclusion fencing must be included around native vegetation/habitat.
- Where waterway bank is disturbed during construction, revegetation is required to provide stabilisation of soils and the waterway into the future. Floodplain Riparian Woodland EVC 56 to be used and planted at a density of 4 plants per square meter for Grasses and sedges and 1-4 for shrubs and trees

3) All spills to be reported to the superintendent.

4) Should any soil become contaminated from a spill, the area of affected soil is to be removed and disposed of at an appropriate EPA landfill licensed to receive the waste type. The extent of soil contamination to be assessed, classified and removed in accordance with relevant Authority guidelines.

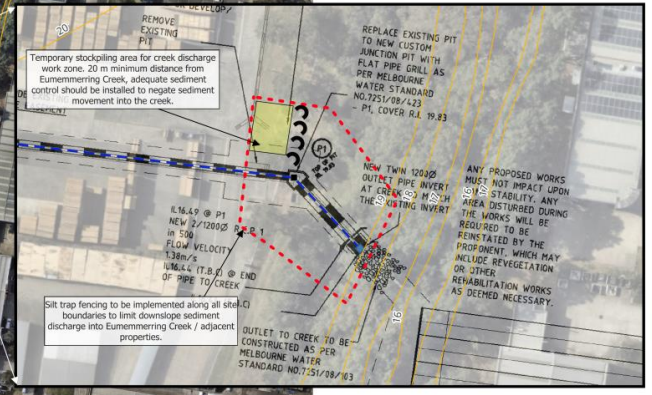
**Weeds:**

- Bulk earthworks have been undertaken by others and noxious weeds are not expected. Should noxious weeds be found they will be controlled, sprayed and remain on site / not venture outside the work zone.
- At all times the landowner / manager must actively control weeds on site using a suitably qualified contractor in accordance with the Catchment and Land Protection Act 1994 S20.
- Weed control must not adversely impact native vegetation or waterways.
- Any weed infestations resulting from soil disturbance and/or the importation of sand, gravel and other material used in the construction process will be controlled to the satisfaction of the Responsible Authority.



- Legend (Locations and Extents are Approximate)
- Proposed drain pit with gravel sausage
  - Custom Junction Pit
  - Twinned Outlet Pipe
  - Eccosceptor
  - Gravel sausage
  - Retained tree
  - Tree to be removed
  - Site compound and facilities
  - Stockpiling area
  - Temporary Stockpiling Area with Sediment Controls
  - Proposed onsite drainage
  - Temporary Fencing with sediment controls
  - Elevation contour (m AHD)
  - Temporary Fencing

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**Other Site Specific Issues**

<b>Significant Flora/ Fauna</b>	<b>Risk: Med</b>
<b>Requirement:</b> All significant flora and fauna on and adjacent to the site must be protected.	
<b>29. Flora and Fauna:</b> The construction plan footprint does not involve tree or native vegetation removal.	
-Suitably qualified wildlife rescue / animal handlers must be present during the removal of trees, native vegetation and other potential animal habitat.	
-A suitably qualified wildlife rescue / animal handlers must be engaged if wildlife needs to be relocated from the site.	
-All significant flora, fauna and habitat on or adjacent to the site must be protected and signed accordingly.	
-Trees to be retained (if any) must be protected in Tree Protection Zones (TPZs). Any encroachment into TPZs must only be undertaken in accordance with Council requirements and approval.	
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-Where waterway bank is disturbed during construction, revegetation is required to provide stabilisation of soils and the waterway into the future. Floodplain Riparian Woodland EVC 56 to be used and planted at a density of 4 plants per square meter for Grasses and sedges and 1-4 for shrubs and trees	
<b>Weeds:</b>	
-Bulk earthworks have been undertaken by others and noxious weeds are not expected. Should noxious weeds be found they will be controlled, sprayed and remain on site / not venture outside the work zone.	
-At all times the landowner / manager must actively control weeds on site using a suitably qualified contractor in accordance with the Catchment and Land Protection Act 1994 S20.	
-Weed control must not adversely impact native vegetation or waterways.	
-Any weed infestations resulting from soil disturbance and/or the importation of sand, gravel and other material used in the construction process will be controlled to the satisfaction of the Responsible Authority.	

<b>Archaeological/ Heritage</b>	<b>Risk: Med</b>
<b>Requirement:</b> Places, sites and objects of archaeological or heritage significance must be protected.	
<b>30. Yes. Details:</b>	
The site is in a mapped culturally sensitive area as it is located within 200 m of Eumemmering creek (Aboriginal Cultural Heritage Sensitive location). However, significant ground disturbance has been undertaken by others. Hence archaeological / heritage items are not expected.	
For any unexpected / suspected archaeological heritage finds, record and document the find, complete a site card and submit it to Heritage Victoria within 30 days. If applicable, Traditional Land Owners must be consulted.	

<b>Surface Water and Stormwater</b>	<b>Risk Significant</b>
<b>31. Eumemmering Creek:</b>	
-Silt trap fencing will be implemented along the construction site boundary to limit sediment discharge into Eumemmering Creek.	
-Surface water is not to be extracted from Eumemmering Creek. Subsequently, no surface water (including stormwater) is not to be diverted into this waterways. Hence, no water treatment is required.	
-Inspections of Eumemmering Creek will be undertaken upstream and downstream of the outfall structure during construction.	
-Ensure all rock work is well constructed and any small holes or gaps are to be filled with appropriately sized rocks to avoid movement and shifting and where possible use of sedges to stabilise rockwork.	
<b>32. Stormwater</b>	
-Divert clean stormwater around the site, where possible.	
-During excavation works, a temporary sump/stormwater basin should be constructed at the base of the excavation to collect perched water seepage and rainfall. The water in this basin should be disposed of by a suitably licensed waste disposal contractor to be engaged by the PM.	

<b>Mechanical/Plant</b>	<b>Risk: Low</b>
<b>32. Plant Used /Locations of plant</b>	
Tandem Trucks to offload dirt.	
Tandem/Mini truck for unloading sand, rocks as construction materials to site.	
Excavator, for exhumation of materials preparing for site installation.	
Crane for concrete inset placement	
Concrete truck for concrete pouring for foundation.	
VAC Truck for potholing if required.	
Concrete Boom Pump for concrete pour from truck.	

I have read this Environmental Management Plan and agree to undertake works and ensure sub-contractors undertake works in accordance with this plan. Developer \_\_\_\_\_ Consultant \_\_\_\_\_ FMG Engineering \_\_\_\_\_ Contractor \_\_\_\_\_

ADVERTISED PLAN

# ADVERTISED PLAN

## RISK ASSESSMENT CHECKLIST

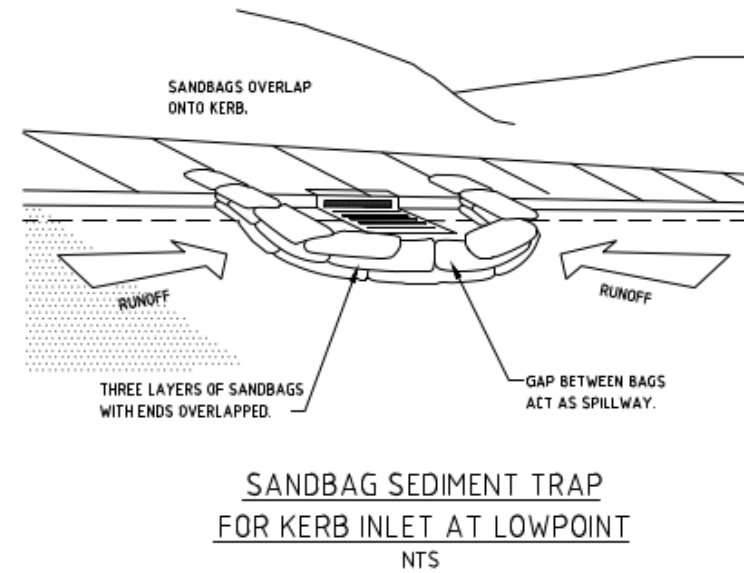
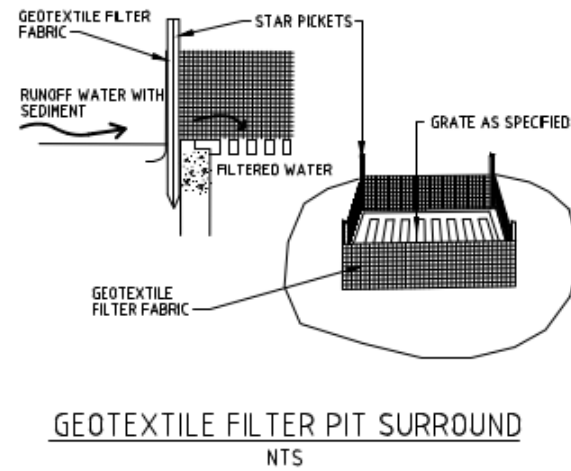
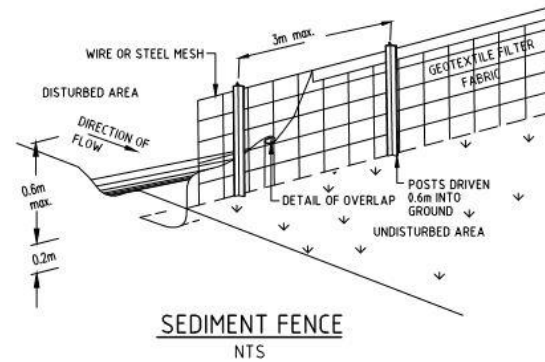
<b>4th Noise</b>		
Issues:	• Nature of Noise Generating Works: Excavations, installations	<b>Likelihood</b> Likely
	• Potential Noise Receptors: Industrial estates	<b>Consequence</b> Low
	• Proximity of Works to Noise Receptors: Adjacent	<b>Overall Risk</b> Low
<b>Dust</b>		
Issues:	• Dust Sources: Excavations, stockpiles	<b>Likelihood</b> Likely
	• Potential Dust Receptors: Industrial estates, Eumemmerring Creek	<b>Consequence</b> Moderate
	• Proximity of Works to Dust Receptors: Adjacent	<b>Overall Risk</b> Medium
<b>Erosion and Sediment</b>		
Issues:	• Erosion and Sediment Sources: Excavations, drainage pipe scour	<b>Likelihood</b> Likely
	• Potential Erosion and Sediment Receptors: Eumemmerring Creek	<b>Consequence</b> High
	• Proximity of Works to Erosion and Sediment Receptors: Immediately adjacent	<b>Overall Risk</b> High
<b>Waste</b>		
Issues:	• Nature of Waste to be Generated: Spoil, domestic	<b>Likelihood</b> Unlikely
	• Presence of Waste On Site Prior to Work Commencement: Minimal	<b>Consequence</b> Minor
	• Quantity of Waste Anticipated: <50 m3 spoil, minor skip bins for domestic waste	<b>Overall Risk</b> Low
<b>Chemicals</b>		
Issues:	• Types of Chemicals and Fuels Used and/or Stored On Site: fuels, greases oils	<b>Likelihood</b> Unlikely
	• Quantities of Chemicals and Fuels Used and/or Stored On Site: Minor, vehicular use only	<b>Consequence</b> Minor
	• Potential Chemical Receptors: Eumemmerring Creek, Site workers	<b>Overall Risk</b> Low
<b>Significant Flora/ Fauna</b>		
Issues:	• Types of Flora/ Fauna: Non native	<b>Likelihood</b> Unlikely
	• Vulnerability of Flora/ Fauna: Unknown	<b>Consequence</b> Minor
	• Proximity of Flora/Fauna to Works: Adjacent	<b>Overall Risk</b> Low
<b>Archaeological/ Heritage</b>		
Issues:	• Traditional Land Owners Consulted? <del>Yes</del> No	<b>Likelihood</b> Unlikely
	• Survey or Assessment Conducted? <del>Yes/No</del> Not Required	<b>Consequence</b> Minor
	• Probability of Encountering Archaeological/ Heritage Items During Works: Low	<b>Overall Risk</b> Low

## Site EMP A1 Plan (2)- Risk Assessment and Designs of Environmental Protection Measures

Project Name: Site Environmental Management Plan – 7 Princess Highway

Date and Revision: 27/03/2024

Environmental protection measures shall be constructed in accordance with the following designs.



### DESIGNS HERE

#### ☐ Surface Water and Stormwater

Issues:	• Contamination and transport of soil particles, sediment, chemicals, and industrial wastes from surface runoff and stormwater into waterways: Excavation and drainage flow scour.
• Flooding / ponding onsite caused by excess stormwater: Eumemmerring Creek	
• Slope : Grades to Eumemmerring Creek	
• Rainfall: variable, seasonal.	
• Site Drainage Regime: Grades to Eumemmerring Creek, sediment fencing protection required	

<b>Likelihood</b> Likely
<b>Consequence</b> Moderate
<b>Consequence</b> Medium

Issues:
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<b>Likelihood</b>
<b>Consequence</b>
<b>Overall Risk</b>