Verify all dimensions prior to construction - Do not scale

The following have been identified as significant environmental issues for the site.

- GROWLING GRASS FROG OBSERVED ON THE SITE
- SOUTHERN BROWN BANDICOOT OBSERVED ON THE SITE
- SITE SUBJECT TO THE ENVIRONMENT PROTECTION AND BIODIVERISITY CONSERVATION ACT - EPBC Ref. 2023/09694

These issues shall be managed with the measures outlined on this plan.

Management

1. Responsibility : PRINCIPAL CONTRACTOR
Company Details: .
Responsible Person: .
Office Telephone: . **TBD**
Mobile Telephone: .
Emergency Telephone: .
.

4. Staging of Works :
REFER EM02 ENVIRONMENTAL PROTECTION SEQUENCING - IN ACCORDANCE WITH ECOLOGIST EMP No, 22058.02 (2.9) BY NATURE ADVISORY

SEE CONSTRUCTION PROGRAM

2. Communication of EMP Requirements :
INFORM ALL PERSONNEL ON SITE IN REGARD TO AREAS LIKELY TO BE AFFECTED BY THE DEVELOPING WORKS.
INDUCTION OF ALL PERSONNEL ON SITE.
DISPLAY PLAN IN OFFICE AND SITE INDUCTION.

5. Informing Residents :
AFFECTED RESIDENTS SHALL BE NOTIFIED TWO (2) DAYS PRIOR TO CONSTRUCTION ACTIVITIES.
ALL WORKS ARE SUFFICIENTLY AWAY FROM OCCUPIED HOUSING AS TO NOT BE A PROBLEM.

3. Inspections and Maintenance :
ALL ENVIRONMENTAL CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
REVIEW WEEKLY
BEFORE AND AFTER STORM EVENTS

6. Associated Documents :
Construction Schedule

FLORA AND FAUNA — Risk : High

Requirement: During construction flora and fauna must be protected

7. FAUNA
PRINCIPLE CONTRACTOR TO UNDERSTAND AND IMPLEMENT FAUNA PROTECTION ASSOCIATED DOCUMENT - ECOLOGIST EMP No, 22058.02 (2.9) BY NATURE ADVISORY. "ECOLOGIST EMP"

EPBC DECISION REFERENCE 2023/09694

8. FLORA
Flora management to be in accordance with sections 3.5 (vegetation management) and section 3.6 (weed management) of the Ecologist EMP.

PRINCIPLE CONTRACTOR TO UNDERSTAND AND IMPLEMENT ARBORICULTURAL IMPACT ASSESSMENT - BY SUSTAINABLE TREE MANAGEMENT. DOCUMENT VERSION 3 DATED DECEMBER 2025

Dust — Risk : High

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

10. Minimising Dust Generation:
CONSTANT TRAVELLING OF MACHINERY AND TRUCKS THROUGH THE WORK SITE DURING DRY WINDY DAYS MAY RESULT IN DUST. ANY ACTIVITY INVOLVING THE HANDLING AND MOVING OF SOIL SHALL BE RESTRICTED ON DRY WINDY DAYS.

12. Contingencies:
WATER CART ON STAND-BY WHEN REQUIRED.

11. Dust Suppression:
DUST GENERATION BY EITHER MOVING PLANT OR WIND SHALL BE CONTROLLED BY APPLICATION OF WATER.
AT TIMES WHERE DUST GENERATION IS LIKELY, A WATER CART SHALL BE MAINTAINED ON THE SITE FOR IMMEDIATE USE.

13. Other:
N/A

Erosion and Sediment — Risk : Medium

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.

14.Drainage Management:
STORMWATER FLOWING ONTO THE SITE SHALL BE CONTROLLED BY CUT OFF DRAINS, STRAW BALES UPSTREAM OF PITS, FILTER BASKETS IN SIDE ENTRY PITS OR OTHER CONTROLS TO FILTER FLOW. FILTER SYSTEMS SHALL BE MAINTAINED IN GOOD ORDER UNTIL WORKS REACH A STAGE AT WHICH NO ERODED MATERIAL IS BEING CARRIED IN THE FLOW. STORMWATER SHALL BE PREVENTED FROM FLOWING ACROSS AREAS DENUDED OF GRASS COVER AS NOMINATED BY PLANS.

SEDIMENT MUST BE PREVENTED FROM ENTERING SOUTHWESTERN DAMS, BANDICOOT HABITAT AND GROWLING GRASS FROG PONDS.

17. Sediment Traps:
REFER TO ITEM # 14.

18. Dewatering:
WHERE POSSIBLE WATER SHALL BE DIRECTED OVER EXISTING GRASSED AREAS FOR FURTHER SEDIMENT CONTROL PRIOR TO DISCHARGE TO STORMWATER SYSTEM.

15. Soil Stabilisation:
BATTERS SHALL BE TREATED TO ESTABLISH GRASS COVER AS EARLY AS PRACTICABLE AFTER THEY ARE TRIMMED AND TOPSOILED.

19. Vehicle and Road Management:
Site Access: *FROM ROSSITER ROAD*
Cleaning Vehicles: *MINIMISE VEHICLE MOVEMENTS DURING WET DAYS*
Street Cleaning: *ROAD SURFACES OVER WHICH CONSTRUCTION VEHICLES TRAVEL SHALL BE KEPT FREE OF TRANSPORTED MATERIAL. ANY CLAY, SOIL OR OTHER DEBRIS MUST BE CLEANED OFF IMMEDIATELY TO AVOID IT ENTERING DRAINAGE SYSTEMS AND TO MINIMIZE TRAFFIC HAZARD.*

VEHICLES ENTERING SITE MUST BE QUARANTINED IN ACCORDANCE WITH THE PROCEDURE DETAILED IN EM02 GENERAL NOTES.

16. Stockpile Protection:
MINIMISE THE NUMBER AND SIZE OF STOCKPILES.
POSITION STOCK PILES AWAY FROM DRAINAGE LINES WHERE POSSIBLE.
DIVERT RUNOFF AWAY FROM STORAGE AREAS WHERE POSSIBLE.
SILT FENCES TO BE ERECTED AROUND ANY STOCK PILES OF SOIL/CLAY AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION TO PREVENT ANY SILT LADEN RUN OFF ENTERING STORM WATER DRAINS.

20. Other:
Post works:
ALL ENVIRONMENTAL CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED DURING THE MAINTENANCE PERIOD.

Waste — Risk : High

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

21. Movement of Soil: *OFF SITE* / On Site / N/A
Contamination Status: *CLEAN* / Prescribed waste

23. Waste Storage and Disposal:
ALL LEFT-OVER SUPPLIES SHALL BE GATHERED AND PLACED IN A NOMINATED AREA WITHIN THE COMPOUND FOR PROPER DISPOSAL. ANY MATERIAL WHICH CAN BE RE-USED SHALL BE NEATLY STACKED. REMOVAL OF WASTE SHALL BE CONDUCTED AS REQUIRED OR WITHIN 24 HOURS OF NOTICE. BIN ON SITE.
DESIGNATED CONCRETE WASHOUT AREA TO BE KEPT AWAY FROM ANY DRAINAGE.

22. Waste Minimisation Methods:
ALL SAFETY AND CONTROLLING APPARATUS USED ON SITE DURING THE WORKS SHALL BE COLLECTED AND RE-USED ON OTHER PROJECTS.
THE COLLECTION OF SURVEY PEGS AND OTHER MATERIALS SUCH AS P.V.C. CONDUITING SHALL BE RE-USED WHEREVER POSSIBLE.
WASHOUT TO BE CARRIED OUT WELL CLEAR OF DRAINAGE.

24. Other:
N/A

Chemicals — Risk : High

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

25. Storage:
STORAGE OF CHEMICALS ON SITE SHALL BE MINIMISED. ALL CHEMICALS SHALL BE STORED WITHIN THE SITE COMPOUND OR INDIVIDUAL SUB-CONTRACTORS SHALL STORE THEM IN THEIR VEHICLES.

27. Refuelling Procedure:
ALL REFUELLING TO BE CONDUCTED AWAY FROM DRAINAGE LINES. MOBILE REFUELLING TRUCK TO VISIT SITE FOR MAJOR PLANT. MINIMUM FUEL TO BE LEFT ON SITE FOR MINOR EQUIPMENT.

26. Spill Management:
SPILL KITS ARE TO BE KEPT ON SITE AND USED WHEN REQUIRED.

28. Other:
N/A

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 _____

Contractor _____

SILT FENCING TO BE INSTALLED AT OUTFALLS OF SWALE DRAINS

HAUL ROADS LOCATIONS TO BE DETERMINED ON SITE WITH THE APPROVAL OF THE SUPERINTENDENT

SEALED ROADS ARE TO BE KEPT FREE OF CLAY
BITUMEN ROADS ARE TO BE CLEANED/WASHED AS REQUIRED
NO CLAY/SEDIMENTS ARE TO BE WASHED/DRAINED INTO PITS

Noise — Risk : Low

Requirement: EPA Victoria and Council requirements must be adhered to in relation to 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.

29. Working Hours:
7:00 am to *5:00* pm Monday to Friday
7:00 am to *1:00* pm Saturday

30. Noise Minimisation Methods:
COMPLY WITH "ENVIRONMENT PROTECTION (RESIDENTIAL NOISE) REGULATIONS 1997"

31. Other:
NOISE POLLUTION IN AREAS WHERE OCCUPIED LAND IS IN CLOSE PROXIMITY SHALL BE KEPT TO A MINIMUM COMPATIBLE WITH THE OPERATIONS INVOLVED, AND NOISE LIKELY TO BE OFFENSIVE SHALL ONLY BE GENERATED BETWEEN THOSE HOURS SPECIFIED BY THE MUNICIPAL COUNCIL AS TIMES WHEN CONSTRUCTION MACHINERY MAY OPERATE.

△ Archaeological /Heritage — **Risk : Medium**

Requirement: As per the approved CHMP

32. Yes Details :
Refer to approved CHMP prepared by Tardis - Residential Subdivision Lot 2,145 Rossiter Road Koo Wee Rup. Cultural Heritage Management Plan 14609. Dated 10/05/2018.

❑ Other — **Risk : High /Medium / Low**

33
.



SITE LOCALITY & NON-SEQUENCED PROTECTION MEASURES

HORIZ 0 20 40 80 120 160

SCALE 1:2000H AT A1 SIZE
1:4000H AT A3 SIZE

LEGEND

- SITE ENTRANCE / EXIT
- RUMBLE GRID WITH BALLAST ROCK
- SITE COMPOUND LOCATION
- TEMPORARY CUTOFF DRAIN
- TOPSOIL STOCKPILE
- SILT FENCE AROUND PIT
- KERB INLET PROTECTION (TO BE MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD)
- GRATED SWALE DRAIN PIT TO BE WRAPPED IN GEOTEXTILE
- AREA OF SITE DISTURBANCE
- ENVIRONMENTALLY SENSITIVE AREA - REFER NOTE EM02
- VEGETATION PROTECTION AREA
- DESIGNATED WASH DOWN AREA
- DESIGNATED SITE QUARANTINE AREA REFER TO GENERAL NOTES EM02
- SILT FENCING - REFER EM04
- EXCLUSION FENCING W/SILT FENCING - REFER EM04
- EXCLUSION FENCING W/FROG PROOF BARRIER - REFER EM04

REFER TO EM02/EM03 FOR SEQUENCED PROTECTION MEASURES

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B	UPDATED LAYOUT	B.C	B.B	W.A	24/07/26
A	PRELIMINARY ISSUE	B.C	B.C	W.A	18/11/25

PRELIMINARY

CLIENT:
ROSSITER ROAD INVESTMENTS PTY LTD

PROJECT:
145 ROSSITER ROAD, KOO WEE RUP

TYPES AND LOCATIONS OF ENVIRONMENTAL PROTECTION MEASURES

Job	Drawing	Revision
E10323.00	EM01	B

Sheet : 1 of 4
Scale : AS SHOWN @ A1 Municipality : CARDINIA Melway Ref. 300 C8

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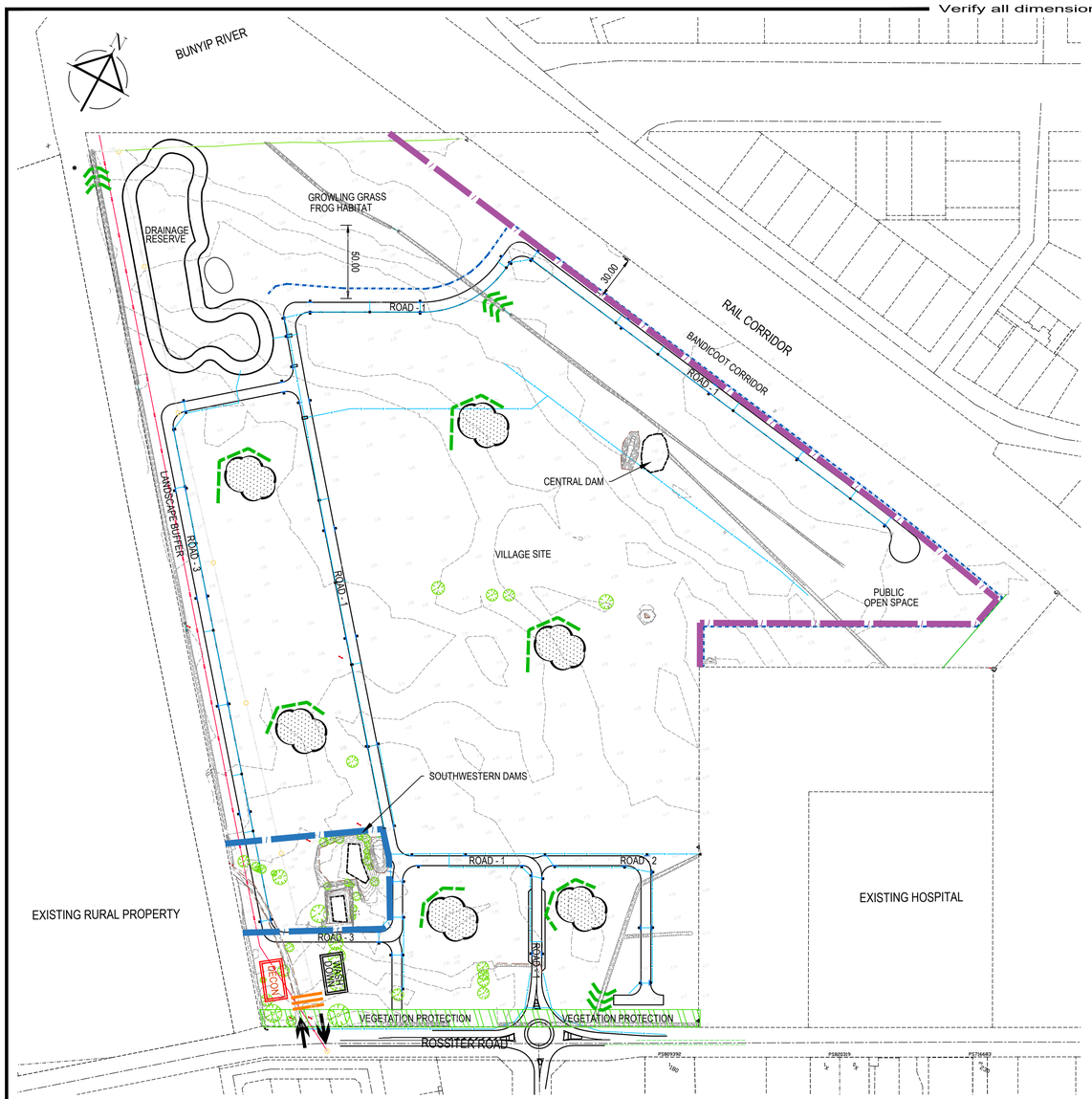
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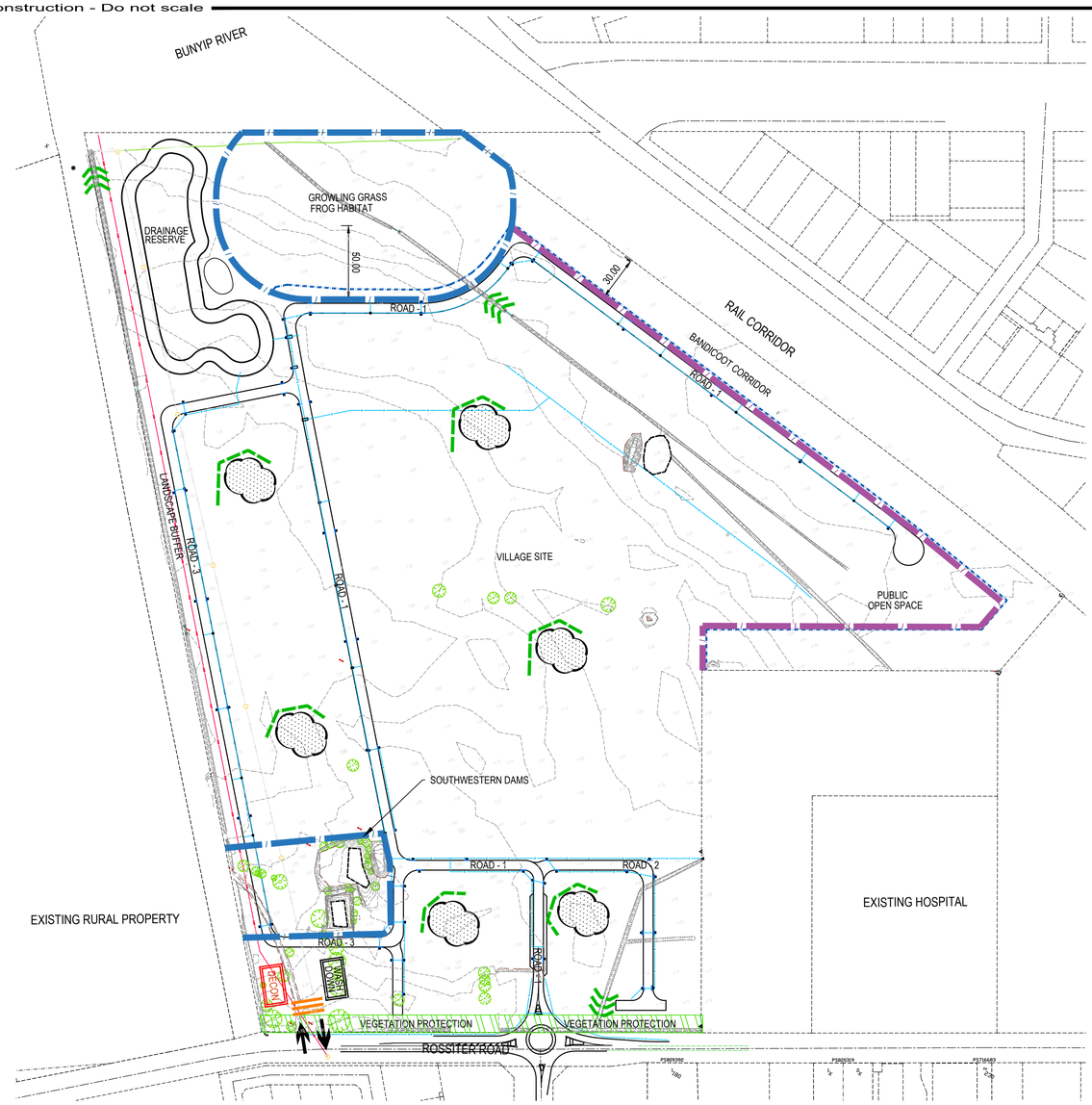
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CONSTRUCTION SEQUENCE 1



CONSTRUCTION SEQUENCE 2

EXCLUSION FENCING W/SILT FENCING - REFER EM04

EXCLUSION FENCING W/FROG PROOF BARRIER - REFER EM04

ECOLOGIST EMP - GENERAL NOTES

DECON — DESIGNATED SITE QUARANTINE AREA

There is a risk of spreading Chytrid fungus into and around the site, which can significantly impact on frogs including Growling Grass Frog. Hygiene protocols to avoid this are to be included in the CEMP.

The Hygiene Protocol for the Control of Diseases in Australian Frogs (Murray et al. 2011) is provided in Appendix 5 to provide guidance on best practice measures to manage Chytrid fungus.

- *All footwear, equipment and vehicles must be cleaned and disinfected prior to entering or exiting the site.*
- *All people entering and exiting the site must use a boot wash station to disinfect their footwear.*
- *Tyres of all vehicles must be cleaned and disinfected before entering and exiting the new wetland habitat.*

Note the above must be carried out at a safe distance from water bodies, so that the disinfecting solution can infiltrate soil rather than runoff into a nearby water body. Spraying with 'toilet duck' (active ingredient benzalkonium chloride) is recommended to disinfect car wheels and tyres. Cleaning of footwear before getting back into the car must be conducted to prevent the transfer of pathogens from/to vehicle floor and control pedals.

ENVIRONMENTALLY SENSITIVE AREA

The following will be prohibited within the Growling Grass Frog habitat and the Southern Brown bandicoot habitat buffer: Storage or dumping of any soil and other materials, equipment, vehicles, machinery or waste products.

GENERAL:

- *All construction and site personnel will be inducted regarding the requirements of the Ecologist EMP. Records of all training conducted must be maintained and include the person's name, date the training was received, the trainer's name and a summary of the training provided.*
- *Frog Relocation Procedure to be in accordance with protocol described in section 3.1 of Ecologist EMP.*
- *The existing habitat for Growling Grass Frog in the southwestern dams must be protected until the new habitat is established, as well as dispersal ability for frogs to the dams.*
- *The new habitat for Growling Grass Frog must be established to the satisfaction of and endorsed by the regulatory authority (Melbourne Water), prior to the removal of the southwestern dams.*

Construction strategy associated actions and measures to be implemented as described in the endorsed ecologist EMP.

CONSTRUCTION SEQUENCE 1 STRATEGY

THE FOLLOWING TO BE ESTABLISHED AT SITE HANDOVER:

- *The two southwestern dams on site will be left in situ. Two southwestern dams to have temporary construction fencing with frog-proof sediment fencing installed around them.*
- *The dam near the centre of the site is to be removed, including pre-clearance survey and salvage translocation of native animals to the new constructed habitat by an experienced zoologist or ecologist.*
- *Temporary construction fencing will be installed around the Southern Brown Bandicoot Buffer*

NOTES:

- *Any frogs in the dam near the central dam can be salvaged and translocated to the southwestern dams prior to removal of the central dam.*
- *Due to the location of the central dam, the protection of this dam and dispersal access for the frogs during construction of the new habitat areas is unlikely to be feasible. The central dam was considered to have the lowest quality of aquatic habitat for Growling Grass Frog of the existing dams and the species was not detected in this dam during targeted surveys.*

CONSTRUCTION SEQUENCE 2 STRATEGY

THE FOLLOWING TO BE ESTABLISHED BEFORE THE COMMENCEMENT OF WORKS ON PROPOSED GGF HABITAT

- *Temporary construction fencing with frog-proof sediment fencing will be installed around the Growling Grass Frog habitat during construction period. To prevent premature entry to the habitat by GGF.*

NOTES:

- *During BEW of the site, any batter leading down into a protected area is to either have silt fencing or a temporary drain established at the toe. Until grassing or sediment load can otherwise be reduced.*

Rev	Reason	Drawn.	Des.	Chk.	Date
B	UPDATED LAYOUT	B.C	B.C	W.A	24/07/26
A	PRELIMINARY ISSUE	B.C	B.C	W.A	18/11/25

PRELIMINARY

CLIENT:
ROSSITER ROAD INVESTMENTS PTY LTD

PROJECT:
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TYPES AND LOCATIONS OF ENVIRONMENTAL PROTECTION MEASURES

Job	Drawing	Revision
E10323.00	**EM02**	**B**

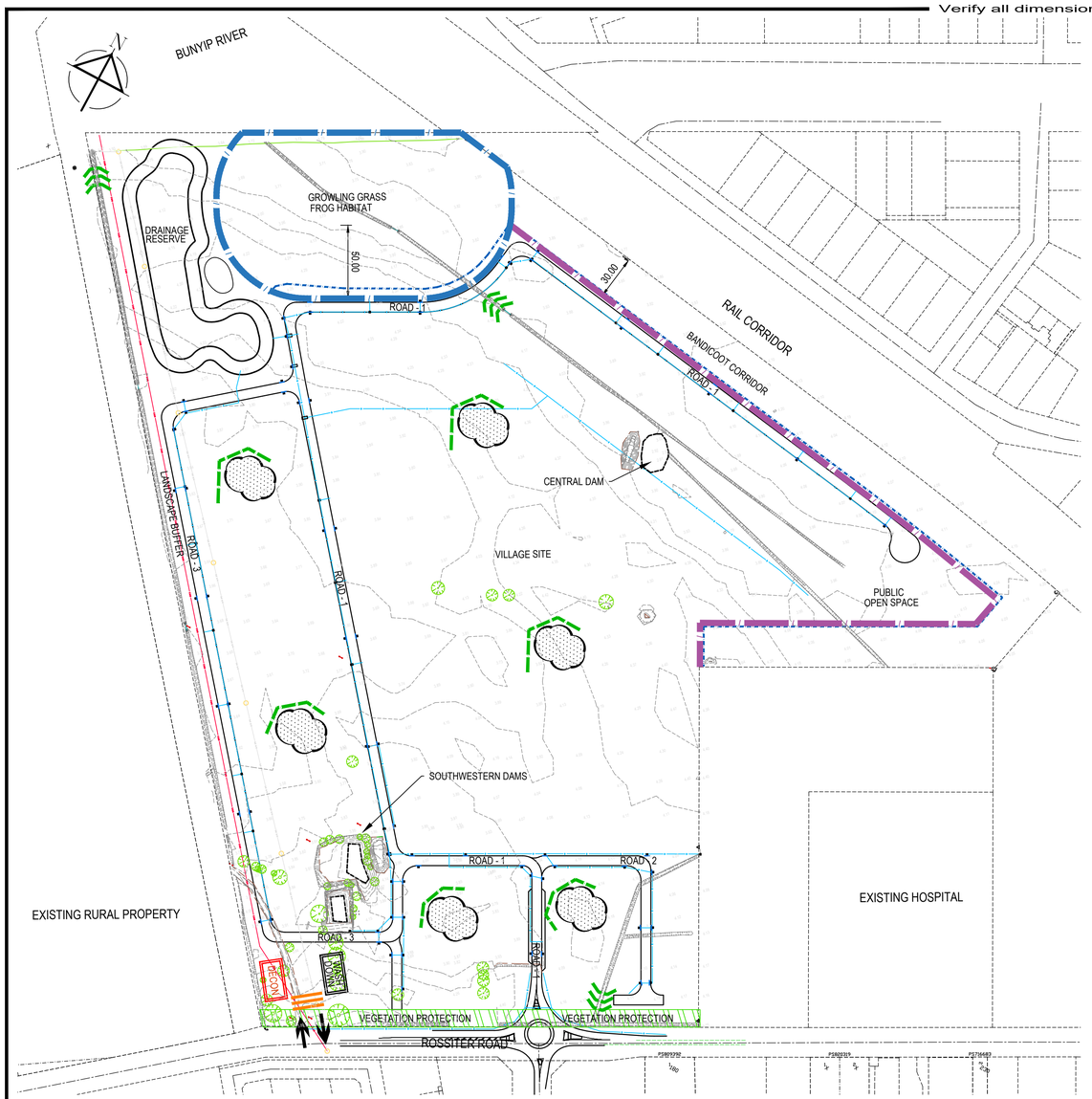
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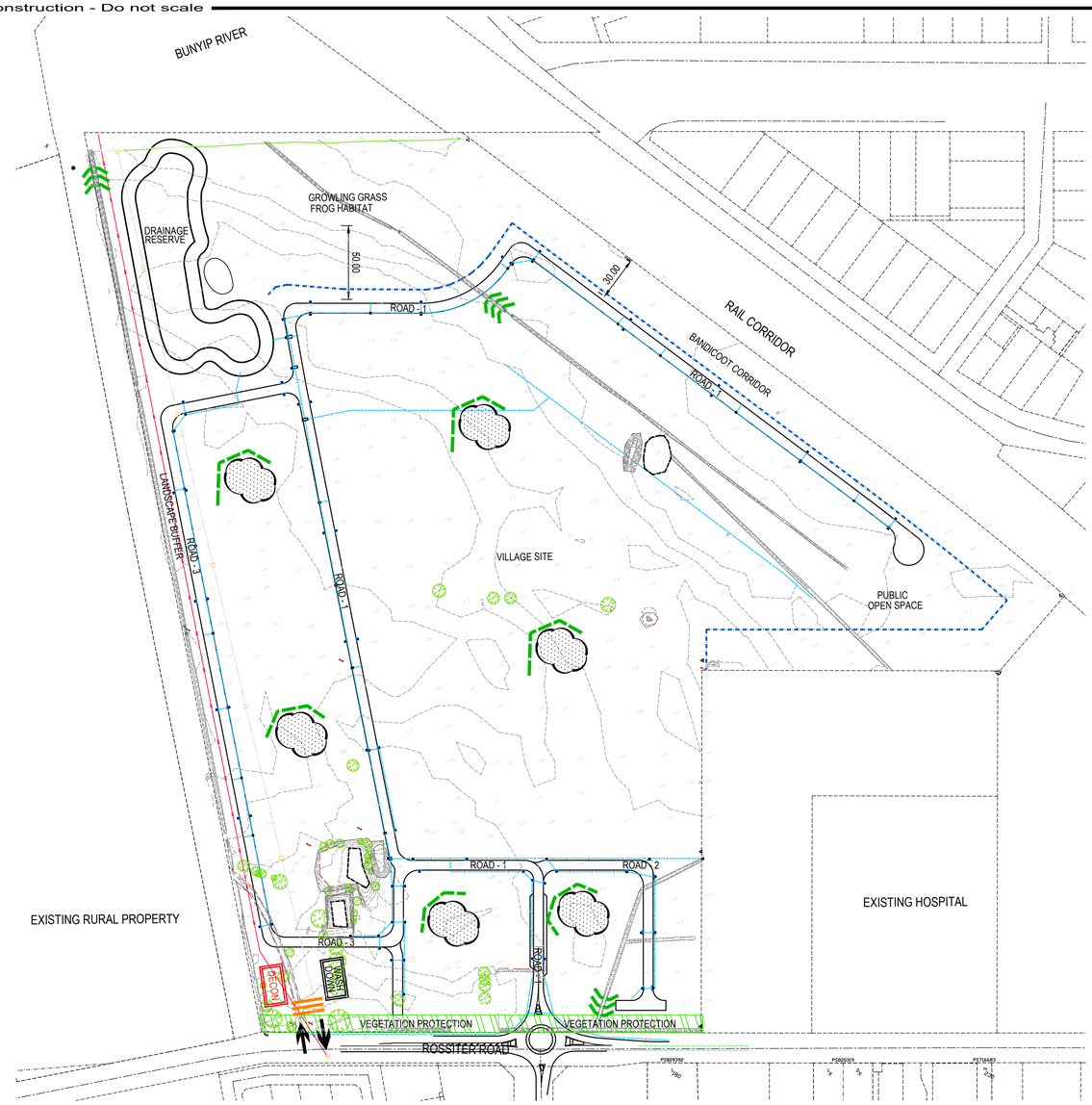
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CONSTRUCTION SEQUENCE 3



CONSTRUCTION SEQUENCE 4

EXCLUSION FENCING W/SILT FENCING - REFER EM04

EXCLUSION FENCING W/FROG PROOF BARRIER - REFER EM04

EXCLUSION FENCING W/SILT FENCING - REFER EM04

EXCLUSION FENCING W/FROG PROOF BARRIER - REFER EM04

Construction strategy associated actions and measures to be implemented as described in the endorsed ecologist EMP.

CONSTRUCTION SEQUENCE 3 STRATEGY	CONSTRUCTION SEQUENCE 4 STRATEGY
THE FOLLOWING TO BE ESTABLISHED WHEN THE NEW GROWLING GRASS FROG HABITATS INCLUDING THE WETLAND AND TERRESTRIAL 50 METRE BUFFER SUFFICIENTLY MEET THE GROWLING GRASS FROG HABITAT DESIGN STANDARDS: • *Works to remove southwestern dams can commence (and the temporary fencing can be removed).* • *The new Growling Grass Frog habitat will be endorsed by an ecological consultant and/or the regulatory authority to be considered established.* • *Pre-clearance survey and salvage translocation of native animals by an experienced zoologist or ecologist must be undertaken (including translocation of Growling Grass Frogs to the new constructed habitat).*	*THE FOLLOWING TO BE UNDERTAKEN AFTER THE DEVELOPMENT OF SITE IS COMPLETED:* • *Fencing will be removed from the new habitats after the development of the site is completed.*
NOTES: • *Frog handling as per section 3.1 Ecologist EMP*	*NOTES:* •

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TYPES AND LOCATIONS OF
ENVIRONMENTAL PROTECTION MEASURES

Job: E10323.00 | Drawing: **EM03** | Revision: **B**

Sheet : 3 of 4

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Noise

Issues:	
* Nature of Noise Generating Works.	LIKELIHOOD
* Potential Noise Receptors.	*LIKELY.*
* Proximity of Works to Noise Receptors.	CONSEQUENCE
*	*MEDIUM*
*	OVERALL RISK
	MEDIUM

Dust

Issues:	
* Dust Sources.	LIKELIHOOD
* Potential Dust Receptors.	*LIKELY.*
* Proximity of Works to Dust Receptors.	CONSEQUENCE
* Extent of Exposed Earth and Duration of Time Exposed.	*MAJOR.*
* Wind Conditions.	OVERALL RISK
*	*LOW.*
*	

Erosion and Sediment

Issues:	
* Erosion and Sediment Sources.	LIKELIHOOD
* Potential Erosion and Sediment Receptors.	*LIKELY.*
* Proximity of Works to Erosion and Sediment Receptors.	
* Extent of Exposed Earth and Duration of Time Exposed.	CONSEQUENCE
* Soil Type and Erosivity.	*MAJOR.*
* Slope.	
* Site Drainage Regime.	OVERALL RISK
* Rainfall.	*HIGH.*
* Vehicle Movements On and Off Site.	
*	

Waste

Issues:	
* Nature of Waste to be Generated.	LIKELIHOOD
* Potential of Waste On Site Prior to Commencement of Works.	*LIKELY.*
* Quantity of Waste Anticipated.	CONSEQUENCE
* Potential Waste Receptors.	*MAJOR.*
* Proximity to Potential Waste Receptors.	OVERALL RISK
*	*HIGH.*
*	

Chemicals

Issues:	
* Type of Chemicals and Fuels Used and/or Stored On Site.	LIKELIHOOD
* Quantities of Chemicals and Fuels Used and/or Stored On Site.	*LIKELY.*
* Potential Chemical Receptors.	CONSEQUENCE
* Proximity to Potential Chemical Receptors.	*MAJOR.*
*	OVERALL RISK
*	*HIGH.*

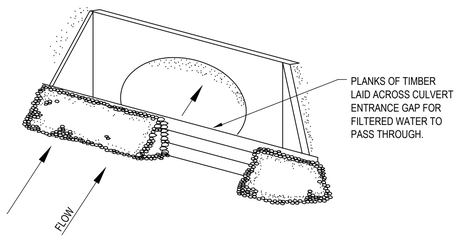
Significant Flora/Fauna

Issues:	
* Type of Flora/Fauna.	LIKELIHOOD
* Vulnerability of Flora/Fauna.	*LIKELY.*
* Proximity of Flora/Fauna to Works.	CONSEQUENCE
* Work Activities Which May Threaten Flora?fauna.	*MAJOR.*
* Potential Impacts on Flora/Fauna.	OVERALL RISK
*	*HIGH.*
*	

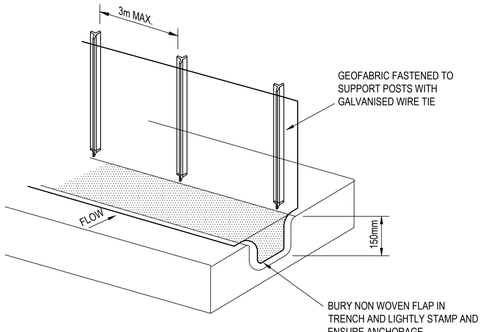
Archaeological/Heritage

Issues:	
* Traditional Land Owners Consulted? Yes/No.	LIKELIHOOD
* Survey of Assessment Conducted? Yes/No.	*UNLIKELY.*
* Probability of Encountering Archaeological/Heritage Items During Works.	CONSEQUENCE
* Types of Archaeological/Heritage Items On Site.	*MEDIUM*
* Proximity of Arcaeological/Heritage Items to Works On Site.	OVERALL RISK
* Work Activities Which May Threaten Archaeological/Heritage Items.	*LOW.*
* Potential Impacts on Archaeological/Heritage Items.	

Environmental controls shall be constructed in accordance with the following designs:



HEADWALL INLET PROTECTION



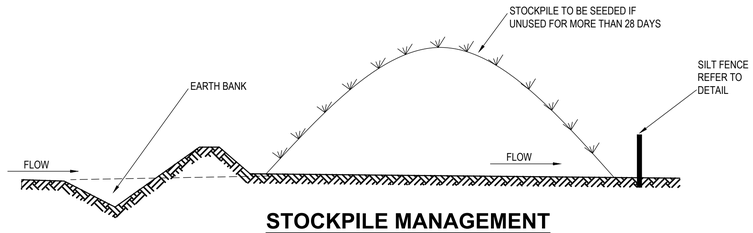
SILT FENCE DETAIL

N.T.S.

NOTES

Where silt fencing is used to control frogs, the sediment fencing must be:

- At least 1m high and made of silt fence material;
- Dug or pegged in so that frogs cannot move under the fence;
- Kept tight to avoid sagging; and
- Tall vegetation within 1m either side of the fence must be trimmed to prevent frogs using the vegetation to jump over the top of the fence.



STOCKPILE MANAGEMENT

N.T.S.

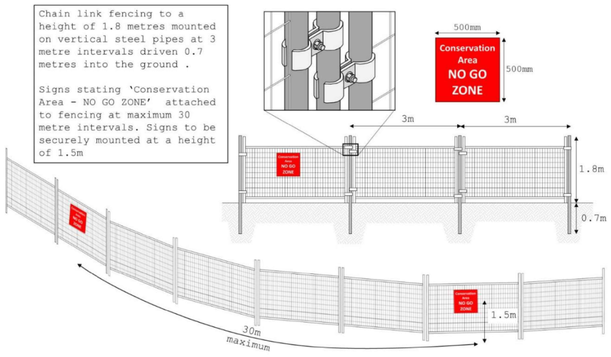


Figure 2. Temporary exclusion fencing

TEMPORARY EXCLUSION FENCING

N.T.S.

EXCLUSION FENCING W/SILT FENCING

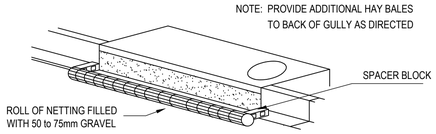
EXCLUSION FENCING W/FROG PROOF BARRIER

NOTE:

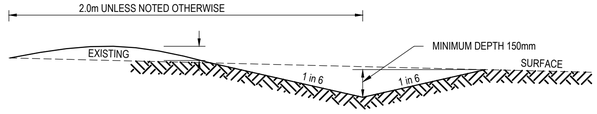
- REFER TO ECOLOGIST EMP SECTION 3.3 (TEMPORARY CONSTRUCTION FENCING) FOR DETAILS
- EXCLUSION FENCING W/FROG PROOF BARRIER IS TO COMBINE SILT FENCING WITH EXCLUSION FENCING

Other

Issues:	
* .	LIKELIHOOD
* .	.
* .	CONSEQUENCE
* .	.
* .	OVERALL RISK
	.



KERB INLET PROTECTION



SWALE DRAIN (Typical)

N.T.S.

NOTES

1. THE CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTION INCLUDING THE MAINTENANCE PERIOD.
2. ALL SEDIMENT CONTROL DEVICES SHALL BE MONITORED, CLEANED AND OR REPAIRED WHENEVER THE ACCUMULATED SEDIMENT REDUCED THE CAPACITY BY 50%.
3. ALL PERIMETER BANK/SWALE SHALL HAVE AN UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
4. AT ALL TIMES THE CONTRACTOR SHALL MONITOR THE PREVAILING WEATHER CONDITIONS AND PROTECT ANY DOWNSTREAM CONSTRUCTION AND GULLY INLETS.
5. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILISED WHEN THE DRAINAGE HAS BEEN PROPERLY STABILISED.

GENERAL NOTES:

Refer to EPA's "Environmental Guidelines for Major Construction Sites" and "Construction Techniques for Sediment Pollution Control". The following are suggested measures to be included in the Environmental Management Plan. The scale and cost of measures needs to be commensurate with the risks to the surrounding environment and objectives of protecting receiving waters and its beneficiaries.

EROSION

1. Keep land clearing to a minimum and the period of time that an area is kept cleared to a minimum.
2. Do not remove vegetation (including grass) within the watercourse and within 5 metres from the edge of banks.
3. Avoid disturbing environmentally sensitive areas and create wide buffer strips of vegetation around it. Avoid works which increase landslips.
4. Co-ordinate and stagger works to minimise erosion. Revegetate and mulch as each section of works is completed.
5. Provide cutoff drains to redirect runoff away form cleared areas and slopes, reducing contaminated water leaving the site.
6. Reduce water velocities on site by minimising long continuous flow paths.
7. Effective treatment installations are to be provided to ensure water leaving the site meets specified standards. Temporary structures are to be designed for a 1 in 2 year (greater if there is a high environmental risk) storm event or 1 in 50 year storm event for permanent structures.
8. Installation of sediment and erosion control measures to be in place prior to construction if possible.
9. All Sediment traps, Detention Ponds, Silt Fences, etc to be checked daily during periods of wet weather & immediately after heavy and intense rainfall. Monitor water entering waterway or drainage system.

DUST SUPPRESSION

10. Install wind fences around exposed soil in areas susceptible to dust generation.
11. Water exposed soil when dust is visible. Ensure that this water does not contaminate surface water. Water from sediment dams my be used for dust suppression.
12. Limit access to and from the site to specified haul roads to be situated preferably away from sloping terrain. Stabilise or pave these haul roads. Additives are to have no adverse impacts on water quality.

STOCKPILES

13. Stockpiles or batters that are to be maintained greater than 28 days must be mulched, roughened and seeded with sterile grasses.
14. Stockpiles are to be placed at a nominated position by the supervising engineer prior to commencement of works. Stockpile batters to have slopes no greater than 2:1. Locate stockpiles more than ten metres from waterways. Minimise the number and size of stockpiles.

DEWATERING

15. All low points to be noted and appropriate measures be put in place. Sediment laden water is to be pumped onto existing vegetation if possible or sediment control structures.

WORKING IN WATERWAYS AND FLOODPLAINS

16. Where it is not possible to avoid working in streams plan to minimise contact time and stage works during periods of low flows. Avoid times of year when potential environmental damage is at its highest.
17. Stream crossings should be positioned perpendicular to flows and at the narrowest part of the stream. Crossings must be engineered to be stable under the expected vehicle loads.
18. Prepare a Contingency Plan for more intense storm events. This contingency plan should include methods to limit stormwater entering excavation areas, siting of construction facilities, procedure for preventing soil, fuel and chemicals entering the environment.
19. Prepare a Reinstatement Plan that includes proposed changes to waterways, flood protection, erosion and sediment runoff controls. A revegetation plan is also included, addressing revegetation and ongoing maintenance for 12 months.

FLORA AND FAUNA

20. Avoid undue disturbance to sensitive or endangered native flora and fauna. Reduce impacts on aquatic plants and animals.

WASTES

21. Minimise wastes on site.
22. Contaminated wastes must be disposed of in safe and appropriate manner. Dispose contaminated material to a licensed disposal facility.
23. Provide bins for litter. Ensure materials are not left where they can be blown or washed away.
24. Remove debris and sediment from pits and adjoining pipes at regular intervals and prior to completion of works.
25. Straw bales to be removed and disposed off site once vegetation in drains and exposed areas are established.

MONITORING

26. Refer to Ch 9 of "Environmental Guidelines for Major Construction Sites". Ensure regular inspections, monitoring and audits.

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Rev	Reason	Drawn.	Des.	Chk.	Date
B	UPDATED LAYOUT	B.C	B.C	W.A	24/07/26
A	PRELIMINARY ISSUE	B.C	B.C	W.A	18/11/25

PRELIMINARY

CLIENT:
ROSSITER ROAD INVESTMENTS PTY LTD

PROJECT:
145 ROSSITER ROAD, KOO WEE RUP

RISK ASSESSMENT AND DESIGNS OF ENVIRONMENTAL PROTECTION MEASURES

Job	Drawing	Revision
E10323.00	**EM04**	**B**

Sheet : 4 of 4
Scale : AS SHOWN @ A1 Municipality : CARDINIA Melway Ref. 300 C8

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