

Review of Environmental Factors

Environmental Assessment for Council Projects

Insert Project Title Here

Environmental Conditions

For any further information regarding the following conditions please Contact Council Environment Team/Environment officer name on 4221 6014 or Environment Officer mobile number

Insert conditions resulting from Review of Environmental Factors here. See <u>standard REF</u> <u>conditions</u> and revise or add conditions as required for the proposed activity.

ENVIRONMENT TO COMPLETE

Site Map

Insert site map here. Site map to include location and footprint of works, area of direct impact, environmental values, and environmental control measures such as access points, tree protection or no go zones.

ENVIRONMENTAL ASSESSMENT	
Site Information and SECTIONS A - F	to be completed by Applicant
Asset Officer, Project Delivery Officer, Design	gn Engineer or Civil Coordinator
Name of Project	
Type of project eg - stormwater pipe maintenance works, new playground, footpath upgrade	
Description of Proposed Works / Activities	
Briefly outline: The proposed works/activities Project site location & footprint Machinery that will be used If site storage is required Types & volume of waste expected Any ongoing works	
Is excavation required?	☐ Yes ☐ No
	If yes, what is maximum depth?
Is vegetation removal required?	□ Yes □ No
	If yes, describe how much and what species.
Section A - Site Identification	
Address	
Lot and DP	
Land Status (Ownership)	
If the site is Crown Land, <u>Promapp for</u> <u>"Provide Native Title Advice"</u> will need to be undertaken.	
Provide the legislation (including relevant section) that applies to these works?	
e.g. SEPP 2007 Division 12 clause 66 – (1) – (a) - (vii) play equipment if adequate safety measures (including soft landing surfaces) are provided and, in the case of the construction of such equipment, so long as the equipment is situated at least 1.2m away from any fence.	

LEP Year & Zone: e.g LEP 2013 – E3	
Is the project consistent with the zone objectives?	
Current use of the site	
Adjoining land uses	
Natural landforms/features	
Consider the slope of the land, topography	
What is the aspect (facing north etc.)?Is the area mapped for Flooding?	
Soil type/stability/potential for erosion	
Check <u>eSPADE</u> for soil landscape, nearest soil profiles, erosion hazard, etc.	
Section B – Reasons for Activity and	Options
Reasons for the activity	
Are there alternative options?	☐ Yes ☐ No
Have options to avoid and minimise impacts, such as the following points, been considered?	If yes, what are they?
 Use of recycled/reused materials like recycled asphalt or concrete over quarried products Alternatives to increasing the amount of concrete/hard surface Alternatives to reduce excavation required Incorporating soil infiltration, fauna habitat into drainage systems 	
Reasons for adopting the preferred	□ Practicality and functionality
option	□ Cost efficiency
	□ Environmental sustainability
	☐ To minimise environmental impact
Section C – Constraints	
Vegetation on Site	Describe all vegetation present on site
Check Intramaps "Environment" layer, aerial imagery, and site photos Things to note include (if known):	Will any vegetation on site be pruned or removed?

 Mapped vegetation community Endangered Ecological Communities Threatened flora species records Unmapped vegetation present onsite Condition of vegetation ie good, moderate, low. Density Other observations - recent fire, clearing Weeds on site? 	☐ Yes ☐ No If yes, provide details Will footprint of works occur within the Structural Root Zone or Dripline of any trees? ☐ Yes ☐ No If yes to either of the above questions, a report from a suitably qualified Arborist may be required; contact Environment team for advice.
Fauna Habitat Check Intramaps Environment layer for any threatened species records in or near the site. Other things to note include (if known): Brief description of fauna habitat present, e.g.: hollows in trees, rocks, dense vegetation, waterways, etc. Species likely to occur within the site, e.g.: birds, frogs, reptiles, bats, seabirds.	
Water Bodies How far is the activity from a water body (including a drain, creek, river, lake or the ocean)? Include name of creek/waterbody Will works or project impact waterways with increased runoff or contamination?	
Fish Habitat Is the site designated Fish Habitat or adjacent to Fish Habitat? Check Intramaps "Constraints" layer DPI outlines a list of activities requiring a permit in designated Fish Habitat.	☐ Yes ☐ No If yes, will the project include any activities requiring a permit? ☐ Yes ☐ No If yes, a Fisheries permit may be required. Contact Environment team or DPI Fisheries Officer.
Coastal Management Is the proposal within any Coastal management areas, such as Coastal Environment Area, Coastal Use Area, Coastal Wetlands, Coastal Rainforests, or Proximity Areas? If so, it will be required to address the Coastal Management Act 2016 and SEPP	☐ Yes ☐ No If yes, provide details (i.e. which Coastal areas) and further information addressing Coastal Management; using the table templates provided here , copy, paste, and complete the relevant tables.

(Coastal Management) 2018. Check Intramaps and NSW State mapping: Note that if the proposal is within a Coastal Wetland or Littoral Rainforest, an REF may not be the appropriate approval pathway, and a DA may be required.	
Contamination	☐ Yes ☐ No
Is the site listed as contaminated?	If yes provide detail:
Check Intramaps Environment layer and see details under the Information tool	
see details under the information tool	☐ Landfill
	☐ Petrol Station
	☐ Extractive industry
	☐ Other, please specify:
	If no a Contamination Unexpected Finds Protocol must be included within the conditions. See standard conditions.
Acid Sulphate Soils	☐ Yes ☐ No
Are Acid Sulphate Soils mapped as being likely to occur?	If yes, what class?
Note: Class 1 indicates Acid sulphate Soil at the ground surface;	Are excavation works proposed to the depth of mapped Acid Sulphate Soil?
Class 2 indicates Acid sulphate Soil	☐ Yes ☐ No
 just below the surface; Class 3 indicates Acid sulphate Soil from 1m below the surface; Class 4 indicates Acid sulphate Soil from 2m below the surface. 	If yes, an Acid Sulphate Soil Management Plan must be completed and included as an appendix to this document.
	If no, an Acid Sulphate Soil Unexpected Finds protocol must be included within the conditions. See standard conditions.
Cultural Heritage Does the proposed works require a Preliminary Aboriginal Cultural Heritage Assessment?	The Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (The Code) has been applied to assess any potential cultural heritage impacts that may arise as a result of this project, with the following result:
Is there potential for the site to have cultural heritage values?	Select one of the following from the drop-down box:
Will the proposed works potentially impact cultural heritage values?	Choose an item.
If the answer is yes to both of these questions a Preliminary Aboriginal Cultural Heritage Assessment is required.	Is the site listed as a heritage item or does it contain any heritage items (Aboriginal or non-Aboriginal) listed in the LEP?
Refer to the REF guidelines for detail on:	□ Yes □ No
	•

 How to assess potential for the site to have cultural heritage values; and, What is included within a Preliminary Aboriginal Cultural Heritage Assessment? 	If yes, provide details; advice must be sought from Council's Heritage Officer.
Section D - Planning Controls and Ap	provals
Will the proposed works potentially impact any Threatened Species, Endangered Ecological Communities or Populations listed under the <i>NSW Biodiversity Conservation Act</i> 2016?	☐ Yes ☐ No If yes refer to the Environment Team to assess and if required conduct a Test of Significance.
Any works that may potentially impact threatened flora or fauna species, endangered populations or endangered ecological communities must be assessed according to the Test of Significance criteria included in Section 7.3 of the BC Act 2016.	
Will the proposed works potentially impact any Threatened Species, Endangered Ecological Communities or other matters listed under the Commonwealth Environment Protection Biodiversity Conservation Act 1999?	☐ Yes ☐ No If yes refer to the Environment Team to assess and if required conduct an EPBC Significant Impact Criteria Assessment.
Check Commonwealth status using the information tool on Intramaps or the Australian Government Protected Matters Search Tool for any Commonwealth threatened species recorded or predicted to occur within or near the site.	
Are any other approvals, permits or licences required for this project?	☐ Yes ☐ No
If yes provide detail, for example: Department of Primary Industries (DPI) Fisheries Permit; Hazard Reduction Certificate.	If yes, please specify and attach any approvals/permits/licences as an appendix to this document
 Note: Activities assessed under an REF do not require a Scientific Licence under Part 2.8 of the BC Act, Public Authorities are exempt under Clause 41 of the Water Management Regulation (2018) from requiring a Controlled Activity Approval for works on water front land 	

Section E - Environmental Impact Assessment: What are the impacts and how will they be avoided, minimised, mitigated or offset.

Refer to gu	uide for examples: G:\Environment Team\Environmental Assessment\REF\Guide to a REF.doc
а	Will there be any social environmental impact on a community?
u	
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
b	Will there be any transformation of a locality?
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
С	Will there be any environmental impact on the ecosystems of the locality?
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
d	Will there be any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality?
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
е	Will there be any effect upon a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations?
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
f	Will there be any impact on the habitat of protected animals (within the meaning of the <i>Biodiversity Conservation Act 2016</i>)?
	(This includes all native animals)
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
g	Will there be any endangering of any species of animal, plant or other form of life whether living on land, in water or in the air?
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse
	Details:
h	Will there be any long-term effects on the environment?
	\square n/a or negligible \square positive \square low adverse \square medium adverse \square high adverse
	Details:

-	Will there be any degradation of the quality of the environment?				
	□ n/a or negligible □ positive □ low adverse □ medium adverse □ high adverse				
	Details:				
j	Will there be any risk to the safety of the environment?				
	☐ n/a or negligible ☐ positive	e □ low adverse □ medium adverse □ high adverse			
	Details:				
k	Will there be any reduction of	the range of beneficial uses of the environment?			
	(For example, recreation, edu	ucational or biodiversity)			
	☐ n/a or negligible ☐ positive	e □ low adverse □ medium adverse □ high adverse			
	Details:				
I	Will there be any pollution of	the environment?			
	(For example, air, water, soil,	noise)			
	☐ n/a or negligible ☐ positive	e □ low adverse □ medium adverse □ high adverse			
	Details:				
m	Will there be any environmental problems associated with the disposal of waste?				
	☐ n/a or negligible ☐ positive	e □ low adverse □ medium adverse □ high adverse			
	Details:				
n	Will there be any increased demands on resources (natural or otherwise) which are, or are likely to become, in short supply?				
	☐ n/a or negligible ☐ positive ☐ low adverse ☐ medium adverse ☐ high adverse				
	Details:				
0	Will there be any cumulative environmental effect with other existing or likely future activities?				
	☐ n/a or negligible ☐ positive	e □ low adverse □ medium adverse □ high adverse			
	Details:				
р	Will there be any impact on coastal processes and coastal hazards, including those under projected climate change conditions?				
	☐ n/a or negligible ☐ positive	e □ low adverse □ medium adverse □ high adverse			
	Details:				
	principles of Ecologically	☐ Yes ☐ No			
oustainar	ole Development been				

	sidered in your design and cution plans?		If yes, how? If no, why	not?	
(c)	The precautionary principle Inter-generational equity Conservation of biological diversit and ecological integrity	y			
(d)	Improved valuation, pricing and incentive mechanisms				
Sun	nmary of potential impacts:				
	Removal of native vegetation		Downstream contamination from fuels or chemicals		Impact to creek or creek banks, lake or coast foreshore
	Impact to retained trees /vegetation		Erosion		Impacts to European or Aboriginal Cultural Heritage
	Impact to native fauna / fauna habitat		Sediment		Dust
	Impacts to adjacent areas		Acid sulphate soils		Construction Noise
Othe	er impacts:				
Sec	tion F – Project Design and A	ppro	oval Pathway Assessm	ent	
	ne of person completing this essment				
Posi	tion				
Date)				
	E	nd o	f Applicant Section		
Plea	se register the Draft REF in CiAny	wher	e and task to the Environm	ent T	eam Task Group.
Please include in the registered document any associated design/construction plans, maps or other supporting documentation. A list of attachments can be included at the end of this form.					
List of Attachments to REF 1. Attachment 1 – Acid Sulphate Soil Unexpected Finds Protocol 2. Attachment 2 - Plan 7B020 Erosion & Sediment Control Measures 3. Attachment 3 - <title> (Doc Number in ECM, if applicable) 4. Attachment 4 - <Title> (Doc Number in ECM, if applicable)</td></tr><tr><td colspan=4>Section G - Conditions and Environmental Mitigation Measures</td></tr><tr><td></td><td>rironment to complete)</td><td>Om</td><td>ieritai mitigation measu</td><td>1163</td><td></td></tr><tr><td>Has</td><td>a site visit been conducted?</td><td></td><td>□ Yes □ No</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>If yes add date and atte</td><td>endee</td><td>?S</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></title>					

Has a BC Act Test of been completed and a		□ Not required □ Yes	
Has an EPBC Act Assessment been completed and attached?		□ Not required □ Yes	
Environmental Deter	rmination		
Select one of the follo	owing from the drop	p-down box:	
Choose an item.			
Is a site environment orientation by a suitably qualified consultant required		☐ Yes ☐ No	
to prior to commence		If yes fill out details in Section L below	
(where specific environments) be identified)	ntal constraints must		
Is a site environment required during works		☐ Yes ☐ No	
completion of works?	or and	If yes fill out details in Section M below	
Plus: ☐ The proposed activity complies with and/or is consistent with relevant specific requirements in the following planning instruments or approvals/licenses required:			
List any licences/permits/approvals identified as being required from Section D.			
,			
Section H - Environr	ment Officer Sign	Off	
	t Officer	Off	
Section H - Environment	t Officer	Off	
Section H - Environment Name of Environment reviewing assessmen	t Officer	Off Environment signature	
Section H - Environment Name of Environment reviewing assessmen Date	t Officer It		
Name of Environment reviewing assessmen Date Action to be taken	t Officer tt		
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Section H - Environment reviewing assessmen Date Action to be taken □ Return for alteration □ Elevate for determi Section J - Project A To be signed by the D (or other delegated au	ns ination Approval Director or Group Nuthority)	Environment signature	
Section H - Environment reviewing assessmen Date Action to be taken □ Return for alteration □ Elevate for determi Section J - Project A To be signed by the D (or other delegated au	ns ination Approval Director or Group Nuthority)	Environment signature Manager authorising the works	
Section H - Environment reviewing assessment Date Action to be taken □ Return for alteration □ Elevate for determine Section J - Project Action to be signed by the Designed by the Designe	ns ination Approval Director or Group Nuthority)	Environment signature Manager authorising the works	
Section H - Environment reviewing assessment Date Action to be taken Return for alteration Elevate for determination of the signed by the Control of the recommendation of th	ns ination Approval Director or Group Nuthority)	Environment signature Manager authorising the works	

Section K – Acknowledgement of and Commitment to Comply with Conditions			
To be signed by the Manager/Supervisor authorising the works (will be responsible for ensuring compliance with the conditions)			
accept and endorse the determination - the project can proceed. I am aware that it is my responsibility to convey any conditions placed on this activity to the site supervisor for enforcement. Failure to do so may result in me being found negligent in this regard.			
All necessary parties will be informed of any conditions placed on this activity.			
Name			
Position			
Signature			
Date			
Section L - Site Ind	luction – Environment	Officer	
To be conducted by the Environment Officer on site prior to commencement of works for staff or contractors undertaking the works, if required			
Name of Environmer	nt Officer		
Signature			
Date			
Names of staff induc	ted	Signatures of staff inducted	
Section M – Site Inspection – Environment Officer			
To be conducted by the Environment Officer on site during works or after completion of works as relevant, if required			
Name of Environmer inspection	nt Officer conducting		

Are works compliant with relevant conditions?	☐ Yes ☐ No
Notes/Details:	
Signature	
Date	

List of Attachments to REF

- 1. Attachment 1 Acid Sulphate Soil Unexpected Finds Protocol
- 2. Attachment 2 Plan 7B020 Erosion & Sediment Control Measures
- 3. Attachment 3 <Title> (Doc Number in ECM, if applicable)
- 4. Attachment 4 <Title> (Doc Number in ECM, if applicable)

Attachment 1 – Acid Sulphate Soil Unexpected Finds Protocol

Acid Sulphate Soil Unexpected Finds Protocol

Where service trenches can be refilled within 24 hours, excavated Acid Sulphate Soil (ASS) material should be separated from overlying topsoil and temporarily stockpiled. Once trenching and laying of services is completed, ASS material should be returned to the trench first followed by the topsoil. Where ASS burial cannot be completed within 24 hours, or if there is surplus of ASS material, a liming procedure should be adopted.

Liming and Treatment Procedure for Acid Sulphate Soil (ASS)

- 1. Lime the base of the stockpile pad 5 mm thick layer of fine grade-1 agricultural lime;
- 2. Spread excavated ASS onto the pad in layers 10 30cm thick;
- 3. Apply lime at a standard rate of 25 kg of lime (1 bag) per cubic metre of soil. Windy conditions should be avoided for safety and efficiency;
- 4. Cultivate lime into the ASS layer well, preferably using a rotary hoe. Ensure an even homogenous mix of soil and lime is created before spreading the next soil layer;
- 5. Repeat steps 2 4 as required.

ASS treated in this way can be used as fill.

Attachment 2 - Plan 7B020 Erosion & Sediment Control Measures

