

Department of Planning and Environment

STATEMENT OF ENVIRONMENTAL EFFECTS (SEE

Issued under the Environmental Planning and Assessment Act 1979

of

20

Approved Application No DA 22/11518

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To enable the Department to assess the impacts of your proposal, you must include a statement of environmental effects (SEE) with your DA. This is a succinct written statement that provides sufficient, clear information on four critical issues: Signed E Liang

- the impacts of the development on the natural, human and built environment • Sheet No
- how you have identified those impacts •
- steps or measures that will be taken to protect the environment or to reduce expected • environmental harm
- any specific matters that the Director-General of Department of Planning requires you to deal • with.

The information required varies according to the type of development proposed. It must contain sufficient information for us to determine:

- how the development achieves the aims and objective (clause 2) contained in State Environmental Planning Policy (Kosciuszko National Park – Alpine Resorts) 2007
- how the development addresses the additional matters to be considered by the consent • authority (clause 14)
- how the development addresses any other relevant environmental planning instrument •
- the suitability of the land or building for the proposed development. •

The following Tables will assist you in the preparation of your SEE. You must consider each of the issues as they relate to your proposal:

TABLE 1: GENERAL INFORMATION

Project description	
A brief description of the proposed development and the construction activities to be undertaken during the project.	 The project is a combination of two minor construction projects that include: The removal of an existing awning and construction of a small entry portico at the Entrance to Chalet Sonnenhof. The installation of a Rear Exit Stairway up the slope behind the Chalet at the southern rear Fire Exit.
History of the site	
You must provide information on:	
current development or building approvals for the site	NA
• previous development or building approvals for the site.	NA
Site suitability	
To demonstrate that the site is suitable for the proposed development, consider:	
• site constraints such as flooding, slope, geotechnical hazards, bushfire and any other risks	NA
effects on the local environment, landscape, streetscape, appearance or scenic quality of the locality	The construction of the Front Entrance Portico will enhance the presentation of the Chalet Sonnenhof.
biological and ecological impacts including the impacts on fauna and flora	NA
impacts on existing and future amenity of the locality	NA
the age and condition of any structures or buildings.	The construction of the Front Entrance Portico will include the removal of an existing awning that is due for replacement and showing signs of deterioriation.

Present and previous uses	
Provide details of:	
the present use of the site	Chalet Sonnenhof is a Tourist Accommodation Property located in Perisher Valley. It is located at Lot 129 DP 257290 - 29 Wheatley Road, Perisher Valley.
the previous uses of the site if known	NA
the present use of the adjoining land	NA
whether the present or previous use of the land was a potentially contaminating activity	NA
 whether there has been any assessment or testing of the site for land contamination. 	NA
Provide a statement on whether you are aware that the site is contaminated.	NA
Operational details	1
Describe how the development will operate, including:	Chalet Sonnenhof is an existing Tourist Accommodation Property located in Perisher Valley. The addition of the Front Entry Portico and Rear Exit Stairway will have no impact on the existing operations of the Chalet.
type and details of the proposed business	Tourist Accommodation Property
number of staff and location of staff accommodation	
maximum number of customers or clients	
 hours and days of operation 	7-days a week during the snow season.
 plant and machinery 	NA
 arrangements for loading and unloading of goods and materials 	Via Oversnow Transport to the side of the Chalet
 any proposed hazardous materials, eg LPG, dry pool chlorine, liquefied gas. 	NA
Change of use of a building (where there is no	
Provide a list of category one fire safety provisions:	There is no change in use of this building. The Front Entry Portico and Rear Exit Stairway are minor construction projects only.
 relating to the proposed change 	NA
• used in the existing building or on the land.	NA
Building classification and Building Code of A	ustralia (BCA)
Preliminary consideration should be given to the BCA. Include in your SEE:	
 the classification of the building/structure with details of the method used to determine this 	NA
 information on the proposed fire safety measures and any performance measures that may be relied on under the BCA. 	Please refer to the Bush Fire Safety Report included in this Development Application.
Snow Deposition	
Consideration of the snow deposition and prevailing winds in relation to the proposed works should be undertaken. An assessment of how snow will be deposited and measures to mitigate snow deposition from unsafe areas such as entries, exits, decks and pedestrian areas should be provided. A roof plan will assist in determining the deposition of snow.	The Portico Roof will remove snow off to the side resulting in a safe entry and exit for guests. The Rear Exit Stair Way will be cleared on an ongoing basis to an existing landing above the Snow Drift area resulting in improved egress from the building.
Engineering details	
Preliminary engineering advice may be required for certain aspects of the development:	
 geotechnical advice incorporating structural engineering recommendations 	Please refer to Engineering Detailed provided for the Poritico and Rear Exit Stairway. It is noted

	that the depth of the Eastings is loss than 500mm
	that the depth of the Footings is less than 500mm meaning that there is no Geo-Technical issues to
	consider.
relocation and construction of services	NA
 construction of access 	NA
 building on fill. 	NA
Social and economic impact	
If the answer to any of the following questions is	
'yes' or 'possibly', the issue will need to be	
covered in the SEE. Will the proposal:	
be likely to significantly increase or reduce	NA
the number of people on the site?	
disadvantage or benefit a particular social	NA
group?	
be likely to increase or reduce employment	NA
opportunities in the locality?	
increase demand for community	NA
facilities/services in the locality?	
 be likely to increase conflict in the community or advancely impact on the identity of the 	NA
or adversely impact on the identity of the	
local community?create areas of insecurity or risk to occupants	NA
or pedestrians in or adjacent to the	
development?	
be likely to increase community concern	NA
regarding public safety?	
Access and traffic	
Show that there is adequate provision for access	
regarding:	
pedestrian amenity (paving, weather	NA
protection, security lighting, seating)	
access for people with disabilities	NA
proposed bicycle facilities (racks, storage	NA
lockers)	
existing bus services and over-snow services	NA
vehicle access to a road	NA
resident, staff, customer and visitor parking	NA
arrangements	
parking calculations	NA
potential conflicts between vehicles,	NA
pedestrians, and cyclists.	
Major traffic-generating proposals will require an	NA
access and traffic impact assessment report.	
Privacy, views and overshadowing	
Show how the proposed development will affect privacy, views and overshadowing regarding:	
 the location of habitable rooms 	NA
 window placement relative to adjoining and 	NA
adjacent buildings and public areas	
 views between habitable areas 	NA
 the use of planting and screening to improve 	NA
privacy	
 headlight glare and other glare, eg night 	NA
skiing	
 the placement of active outdoor areas 	NA
relative to bedrooms	
• the separation of roads and parking areas	NA

	m bedroom and living areas	
	e impact of the proposed development on	NA
	ews from adjoining/nearby properties	
	sign options for protecting views.	NA
	d noise	
	that the proposal will not cause, or be	
	d by air or noise emissions. Should the	
	al not able to achieve no air or noise	
	ons, demonstrate how these could be	
minimi	sed. Consider:	
• the	e proposed source/method of heating and	NA
CO	oling	
• no	ise transmission from heating and cooling	NA
sys	stems	
• no	ise transmission between buildings	NA
• me	easures to mitigate external noise sources	NA
	isting sources of odour, smoke	NA
	oposed mitigation measures, placement	NA
	d height of chimneys and flues, air	
	llution control equipment, odour controls,	
	ffer areas, location of waste storage	
	cilities	
• exi	isting noise sources	NA
• CO	nstruction noise, hours of operation, type	NA – Very Minor Construction Only
	equipment, predicted noise levels and	
CO	nsultation with adjoining leaseholders	
• op	erational noise, plant and equipment,	NA – Very Minor Construction Only
pre	edicted noise levels, hours of operation	
• pro	oposed noise reduction measures, noise	NA
ba	rriers, building layout and setback, room	
	out and window placement, building	
	aterials, insulation, double glazing.	
	noise is a major issue a report by a	NA
	ed acoustic consultant is required. This	
	would address predicted noise levels and	
	ed noise reduction measures.	
	vater and wastewater management	
	how the proposal will deal with all aspects	
	water and wastewater management:	
	ow the proposed methods of sewage luent disposal	NA
	he development will be serviced by a	NA
a if ti		
	iculated water supply provide details of	
ret	iculated water supply, provide details of v consultation with the relevant water	
ret an	y consultation with the relevant water	
ret an su	y consultation with the relevant water pply authority	ΝΑ
ret an su	y consultation with the relevant water pply authority nsider including appliances designed for	NA
ret an su • co ma	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency	
 ret suj coi ma 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting	NA
ret any suj • con ma • con teo	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials	NA
 ret any su col ma col teo inco 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials clude sufficient details on the management	
 ret any sul col ma col teo inc of 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials clude sufficient details on the management water entering or leaving the site	NA
 ret any support con material con teo incon of cho 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials clude sufficient details on the management water entering or leaving the site eck the proposal includes sufficient	NA
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 ret any sul cou ma cou teo inco of v cho jus me 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials clude sufficient details on the management water entering or leaving the site eck the proposal includes sufficient stification that the proposed design easures for drainage will not adversely	NA
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 ret any support con material con teo incon of y cho affi cho 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials clude sufficient details on the management water entering or leaving the site eck the proposal includes sufficient stification that the proposed design easures for drainage will not adversely	NA NA NA
 ret any sup con ma con teo inc of y cho jus affi cho 	y consultation with the relevant water pply authority nsider including appliances designed for aximum water efficiency nsider infiltration and water harvesting chniques, eg swales and porous materials clude sufficient details on the management water entering or leaving the site eck the proposal includes sufficient stification that the proposed design easures for drainage will not adversely ect adjoining land eck that design measures in the proposal	NA NA NA

 check there are sufficient details and 	NA
information to assess the impact of the	
proposal on downstream waterways	
check the proposal includes measures to	NA
treat liquid wastes, if appropriate	
check measures are in place for emergency	NA
spill contingency for chemicals, oils and other	
harmful wastes	
 include details of measures to divert 	NA
stormwater	
include details of measures to treat	NA
stormwater run-off from the site	
	NA
check soil or erosion hazards on the site	NA
have been considered in the proposal	
include the proposed construction sequence	NA
for the site	
include critical areas of habitat that require	NA
special management on the site	
 include proposed dust control measures for 	NA
the site	
include main rehabilitation and revegetation	NA
measures proposed for the site.	
Heritage	
To date, three studies have been done for	
Kosciuszko alpine resorts:	
Thredbo Conservation Plan prepared by	NA
Clive Lucas, Stapleton and Partners Pty Ltd	
(July 1997)	
	NA
Perisher Range Resorts Ski Resorts Heritage Study propagad by Datas Fragman Bty Ltd	NA .
Study prepared by Peter Freeman Pty Ltd,	
Matthew Higgins and Heritage Management	
Consultants (June 1998)	
Charlotte Pass Chalet Conservation Plan	NA
prepared by David Hogg Pty Ltd, Ken	
George Pty Ltd in association with Freeman	
Collett and Partners Pty Ltd and Matthew	
Higgins (March 1993).	
A heritage impact statement may be required if	NA
your proposal affects a building identified in any	
of these studies. Please contact us to discuss	
what will be required. Please note that heritage	
issues within the Kosciuszko alpine resorts are	
currently under review by DoP.	
Aboriginal cultural heritage	
If your proposal relates to an area of known or	NA
potential Aboriginal heritage and archaeology,	
include an independent assessment of the impact	
of your proposal on Aboriginal heritage and	
archaeology. Check all relevant policies and	
guidelines that have been adopted for the resort	
areas.	
Energy	
Show how the proposal promotes energy	
efficiency by examining the following:	
	NA
orientation of the proposal	
solar access	NA
insulation	NA
natural ventilation	NA

 heating, cooling and lighting 	NA	
clothes drying	NA	
airlocks	NA	
water heating.	NA	
Waste		
Show how the proposal promotes waste minimisation regarding:		
source waste separation	NA	
 proposed recycling collection from commercial, accommodation, restaurant and entertainment premises 	NA	
 domestic food and organic waste collection and composting 	NA	
litter control programs, if any	NA	
how building waste is re-used, recycled or disposed arrangements for hazardous waste materials.	NA	
Demolition		
Show how the proposal is consistent with the relevant Australian Standard for demolition, if applicable.	NA – There will be little to no waste as the construction if of a minor nature only. All waste will be removed from site during the construction process.	

TABLE 2: STATE ENVIRONMENTAL PLANNING POLICY (KOSCIUSZKO NATIONAL PARK—ALPINE RESORTS) 2007

Clause 2 Aim and objectives of Policy	
(1) The aim of this Policy is to protect and enhance the natural environment of the alpine resorts, in the context of Kosciuszko National Park, by ensuring that development in those resorts is managed in a way that has regard to the principles of ecologically sustainable development (including the conservation and restoration of ecological processes, natural systems and biodiversity).	The proposed additions and alterations have been designed to ensure impacts on the natural and build environment are minimal. The minor construction works for the Front Portico and Rear Exit Stairway will result in a development that is consistent with the aims and objectives.
(2) The objectives of this Policy are as follows:	As per above.
(a) to encourage the carrying out of a range of development in the alpine resorts (including the provision of services, facilities and infrastructure, and economic and recreational activities) that do not result in adverse environmental, social or economic impacts on the natural or cultural environment of land to which this Policy applies,	
(b) to put in place planning controls that contribute to and facilitate the carrying out of ski resort development in Kosciuszko National Park that is ecologically sustainable in recognition of the fact that this development is of State and regional significance,	
(c) to minimise the risk to the community of exposure to environmental hazards, particularly geotechnical hazards, bush fire and flooding, by generally requiring development consent on land	

to which this Policy applies.		
Clause 14 Matters to be considered by con	sent authority	
(1) In determining a development application that relates to land to which this Policy applies, the consent authority must take into consideration any of the following matters that are of relevance to the proposed development:		
(a) the aim and objectives of this Policy, as set out in clause 2,	The proposed additions and alterations have been designed to ensure impacts on the natural and build environment are minimal. The minor construction works for the Front Portico and Rear Exit Stairway will result in a development that is consistent with the aims and objectives.	
(b) the extent to which the development will achieve an appropriate balance between the conservation of the natural environment and any measures to mitigate environmental hazards (including geotechnical hazards, bush fires and flooding),	As there are no hazards resulting from the development, no measures to mitigate the environmental hazards that would impact on the conservation of the natural environment are proposed.	
(c) having regard to the nature and scale of the development proposed, the impacts of the development (including the cumulative impacts of development) on the following:	The proposed developments are very minor in nature will result in a nil increase in floor area, this will ensure that the existing transport, reticulated effluent management, waste disposal and water supply infrastructure will not be required to upgraded or expanded.	
 the capacity of existing transport to cater for peak days and the suitability of access to the alpine resorts to accommodate the development, 	NA	
 the capacity of the reticulated effluent management system of the land to which this Policy applies to cater for peak loads generated by the development, 	NA	
 (iii) the capacity of existing waste disposal facilities or transfer facilities to cater for peak loads generated by the development, 	NA	
(iv) the capacity of any existing water supply to cater for peak loads generated by the development,	NA	
(d) any statement of environmental effects required to accompany the development application for the development,	This Statement of Environmental Effects satisfies this sub-clause.	
(e) if the consent authority is of the opinion that the development would significantly alter the character of the alpine resort—an analysis of the existing character of the site and immediate surroundings to assist in understanding how the development will relate to the alpine resort,	The proposed additions and alterations will not alter the character of the chalet and have been designed to enhance the overall amenity of the building.	
(f) the Geotechnical Policy—Kosciuszko Alpine Resorts (2003, Department of Infrastructure, Planning and Natural Resources) and any measures proposed to address any	No Geotechnical Issues	

geotechnical issues arising in relation to the	
development,	
(g) if earthworks or excavation works are proposed—any sedimentation and erosion control measures proposed to mitigate any adverse impacts associated with those works,	The proposed additions will only require very minor earthworks for the 450mm footings.
(h) if stormwater drainage works are proposed—any measures proposed to mitigate any adverse impacts associated with those works,	Nil Impact
(i) any visual impact of the proposed development, particularly when viewed from the Main Range,	The proposed addition of the Portico has been designed to be compatible with the existing building and will have no additional impacts to the visual amenity of the building.
(j) the extent to which the development may be connected with a significant increase in activities, outside of the ski season, in the alpine resort in which the development is proposed to be carried out,	The proposed additions and alterations will not increase any activities outside of the ski season.
 (k) if the development involves the installation of ski lifting facilities and a development control plan does not apply to the alpine resort: 	NA
(i) the capacity of existing infrastructure facilities, and	
 (ii) any adverse impact of the development on access to, from or in the alpine resort, 	
(2) The <i>long term management goals</i> for ripa	arian land are as follows:
(a) to maximise the protection of terrestrial and aquatic habitats of native flora and native fauna and ensure the provision of linkages, where possible, between such habitats on that land,	NA
(b) to ensure that the integrity of areas of conservation value and terrestrial and aquatic habitats of native flora and native fauna is maintained,	NA
(c) to minimise soil erosion and enhance the stability of the banks of watercourses where the banks have been degraded, the watercourses have been channelised, pipes have been laid and the like has occurred.	NA
15 Additional matters to be considered for	buildings
(1) Building height In determining a development application for the erection of a building on land, the consent authority must take into consideration the proposed height of the building (where relevant) and the extent to which that height:	
(a) has an impact on the privacy of occupiers and users of other land, and	NA
(b) limits solar access to places in the public domain where members of the public gather or to	NA

adjoining or nearby land, and	
(c) has an impact on views from other land, and	NA
(d) if the building is proposed to be erected in Thredbo Alpine Resort—has a visual impact when viewed from the Alpine Way, and	NA
(e) if the building is proposed to be erected in Perisher Range Alpine Resort—needs to be limited so as to assist in maintaining the skyline when viewed from Kosciuszko Road and any other public roads, and	NA
(f) if the building is proposed to be erected in an alpine resort other than Thredbo Alpine Resort or Perisher Range Alpine Resort—is similar to existing buildings in the resort where it is proposed to be erected, and	NA
(g) if the building is proposed to be erected in Bullocks Flat Terminal—relates to the topography of its site.	NA
(2) Building setback In determining a development application for the er must take into consideration the proposed setback which that setback:	
(a) assists in providing adequate open space to complement any commercial use in the alpine resort concerned, and	NA
(b) assists in achieving high quality landscaping between the building and other buildings, and	NA
(c) has an impact on amenity, particularly on view corridors at places in the public domain where members of the public gather, and	NA
(d) is adequate for the purposes of fire safety, and	NA
(e) will enable site access for pedestrians, services (including stormwater drainage and sewerage services) and the carrying out of building maintenance, and	NA
(f) will facilitate the management of accumulated snow.	NA
(3) Landscaped area In determining a development application for the erection of a building on land, the consent authority must take into consideration (where relevant) the extent to which landscaping should be used:	
 (a) as a means of assisting in the protection of the unique alpine environment of the alpine resort concerned, and to maximise its natural visual amenity, for the benefit of visitors and natural ecosystems, and 	NA
(b) to assist in the provision of adequate open space to complement any commercial use in the alpine resort concerned, and	NA

(c) to limit the apparent mass and bulk of the building, and	NA
(d) as an amenity protection buffer between the proposed building and other buildings, and	NA
(e) as a means of reducing run-off, and	NA
(f) to protect significant existing site features and limit the area of any site disturbed during and after the carrying out of development.	NA

SITE ENVIRONMENTAL MANAGEMENT PLAN (SEMP)

Additions & Alterations to Chalet Sonnenhof Portico entrance Rear Exit Stairway

Introduction

The following plan has been provided to identify the appropriate sediment controls, location for construction vehicles &, material storage.

Appropriate environmental management controls will be required to manage soil and surface water during the construction of the development.

Temporary controls will include either a straw bale filter or a sediment fence.

Erosion and Sediment control Management

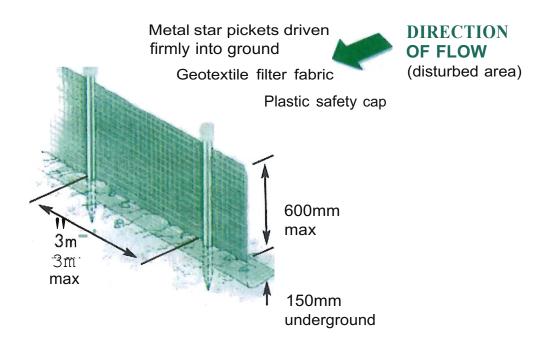
Straw bales will be suitable for low flows of water. It is only recommended that these are used in limited applications such as reducing the flow velocity.

The return of straw bales every 20 metres is recommended to ensure some stability for this style of barrier. Please note that they need to be embedded in the ground and held firmly in place with star pickets.

The minimum number of bales to be used is four. If only two bales are used during a storm event, the water will simply hit the bales and flow around, increasing erosion. The bales must dam the runoff and allow the sediment to settle behind the bales.

Please note straw bales do not filter sediment-laden waters. They will only hold back water if installed correctly.

Diagram B: Standard Sediment Fence Installation



When using a sediment fence, keep in mind that it will be effective within the following parameters:

It is generally not designed to filter concentrated flows and therefore needs to be placed following the contours whenever possible.

- It should last for up to six months but requires regular maintenance and weekly checks are needed. The performance of a sediment fence diminishes considerably when crushed by delivery of building materials. It must remain vertical and keyed into the soil.
- Where the sediment fence is not installed correctly water will inevitably flow through the point of least resistance. Damaged fences must be repaired promptly.
- Sediment fences need to be trenched in at least 150 mm and buried so the water flows through and not underneath.
- Soil on both sides of the fence must be compacted to avoid seepage under the barrier.

Construction notes

1. Construct sediment fences as close as possible to follow the contours of the site .

2. Drive 1.5m long posts into ground, maximum 3 metres apart.

3. Staple to 40mm square hardwood posts or wire tied to steel posts.

4. dig a 150mm deep trench along the up-slope line of the fence for the bottom of the fabric to be entrenched.

5. Backfill trench over base of fabric and compact on both sides.

Access & Vehicle Parking

Access to the site will be achieved via Wheatley Road with the existing parking available to accommodate the construction vehicles.

Material storage

Material storage for the development can be placed at the Front of Chalet Sonnenhof.

Waste Management

To ensure that waste is managed, the following controls and measures are to be adhered to:

• All litter generated on site is to be disposed of in appropriate skip bin provided on site and disposed at Jindabyne tip.

• All employees shall be informed of the need to maintain a clean worksite.

• Site generated waste including garbage, concrete and excess materials shall be collected within the waste bin and removed from the site to landfill located in Jindabyne.

• All loads of rubbish removed shall be securely covered to ensure no spillage.

• To the furthest extent possible efforts shall be made to reduce, reuse and recycle materials used onsite.

• The worksite shall be left in a tidy and rubbish free state upon completion of the Project.

Construction hours

The intended hours of operation is from 7am to 5pm Monday to Friday, 8am - 5pm on Saturday with no work on Sundays or Public Holidays from October through to May of each. No construction is to take place from June through to September.

Air pollution

The construction of the proposed development is not expected to create any unnecessary air pollution.

Fuels and Chemicals

The proposed development will not require the storage of fuels or chemicals on site.

Emergency Procedures

In case of an emergency, the following key emergency response contacts are provided below:

Key Emergency Response contacts

NSW Police 000 Jindabyne: 6456 2244 NSW Fire Brigade 000 Jindabyne: 6456 2476 NSW Ambulance 000 Medical Centres Jindabyne: 6457 1221 National Parks and Wildlife Service (NPWS) 1800 629 104 Jindabyne 6450 5555 Roads and Traffic Authority Traffic incidents & road conditions: 131 700 Road closures and special events: 132 701 Environment Protection Authority Environment Line 131 555

Geotechnical consideration

Geotechnical site investigation should not be required, as the works are very minor construction works which present no geotechnical impact on the site