ECO CHECKLIST FOR THE BULK EARTHWORKS, DUNE REHABILITATION AND THE CONSTRUCTION OF BULK SERVICES FOR THE PREEKSTOEL BEACH LIFESTYLE ESTATE ON PORTION 2 OF ERF 599 AND ERF 1028, STILL BAY EAST, WESTERN CAPE

AUBREY WITHERS ENVIRONMENTAL CONSULTANT

File 1012 : ECO Checklist No.: 2

Date: 18 April 2022

PROJECT DETAILS

ECO Checklist for the Bulk Earthworks, Dune Rehabilitation and the Construction of Bulk Services for the Preekstoel Beach Lifestyle Estate on Portion 2 of Erf 599 and Erf 1028, Still Bay East, Western Cape

REPORT	ECO Checklist for Civils Construction
AWEC FILE NO.	1012
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ECO CHECKLIST # 2

PREEKSTOEL BEACH LIFESTYLE ESTATE, STILL BAY EAST, WESTERN CAPE

PREPARED FOR: Vivren Properties (Pty) Ltd.

Date of Site Visit:	13 April 2022	Date of Issue	18 April 2022
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INTRODUCTION

This document provides a Table (ECO Checklist) of the mitigation measures as described in the Environmental Management Programme (EMPr) for the Construction Phase of the **Preekstoel Beach Lifestyle Estate, Still Bay East,** as prepared by Aubrey Withers Environmental Consultants. The ECO Checklist describes the mitigation actions that should be implemented during bulk earthworks and the construction of Municipal Services, as well as the persons/ parties responsible for implementing the actions. The ECO checklist should be read together with the EMPr.

The EMPr headings provided in the left-hand side column of the ECO Table are as per the EMPr for ease of reference. The two columns on the right-hand side of the table should be completed by the ECO during his site inspections. Compliance is measured as Non-Compliant (NC), Partially Compliant (PC), Compliant (C), or Compliant plus added value/ effort (C+). The observations made and corrective actions required are documented in the "comment" column. *Where no comments are included in the "comment" column, the specific measure is either not applicable at this stage of the project or will be addressed during ensuing ECO visits.*

Key to Compliance Indicators:

NC	PC	C	C+
Non-Compliant	**Partially Compliant**	**Compliant**	**Compliant plus added value/effort**

The Construction Manager (**CM**)/ Site Agent (**SA**) and the Environmental Control Officer (**ECO**) will use this document when monitoring construction activities on site. This document can also be used for compliance monitoring during the operational phase of the development. The roles and responsibilities of the CM/ SA and ECO are described in Section A and Section E of the EMPr.

ECO Objectives and Compliance Inspection Scope:

The objectives of this ECO site inspection are to monitor ongoing site clearance and related construction activities being undertaken on site against the requirements of the approved EMPr (Construction Phase).

Compliance Inspection Methodology:

The EMPr states that an ECO must be appointed by the developer to oversee the construction phase of the project. The ECO will then need to undertake periodic site visits to assess whether any environmental degradation is resulting from the construction phase of the project and to check (monitor and report on) compliance with the EMPr. The daily on-site activities will be controlled by the Construction Manager (or Site Agent) and RE.

The ECO is to complete an ECO Checklist after each site visit and circulate this checklist amongst the contractor/s, developer and Authorities (DEADP and Hessequa Municipality) to serve as a record of proceedings. The ECO Checklist must be circulated no more than 5 days after each site visit. The ECO Checklist will also be used for the recording of general site instructions as they relate to the environmental scope of works on site. The site instruction file will, however, also be used for issuing "stop work" orders for the purposes of immediately stopping any particular activities of the contract due to the environmental risk or any significant impacts that may result.

Tracking of Compliance Status:

Date of ECO Checklist Conducted	NC	PC	C	C+
4 March 2022		**4**	**36**	
13 April 2022		**1**	**39**	**1**

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(Headings as per the EMP and EA for ease of reference)

LIST OF ACRONYMS AND ABBREVIATIONS

ARC	Architect
AWEC	Aubrey Withers Environmental
BC	Body Corporate
CM	Construction Manager
DEADP	Department of Environmental Affairs and Development Planning
ECO	Environmental Control Officer
EMPr	Environmental Management Programme
EAP	Environmental Assessment Practitioner
HOA	Home Owners Association
RESP	Responsibility
SHE	Safety, Health & Environmental Officer
SA	Site Agent
RE	Resident Engineer

APPENDICES

APPENDIX 1: Photo Sheet

SECTION F: CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

F.1 GENERAL CONSTRUCTION MANAGEMENT PROGRAMMES

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Establish appropriate partnerships and good relationships with local authorities, local community, and contractors	1. Ensure appropriate communication with all local authorities, CapeNature, and contractors.	To be undertaken by professional team and ECO, project manager (consulting engineer and/or site agent) as ongoing process.	**C**	The ECO Checklists will be distributed by the ECO to authorities, CapeNature and contractor on a monthly basis.
	2. Contractors to be fully informed by the ECO as to their environmental contractual obligations.	ECO to monitor environmental contractual obligations of contractors on ongoing basis.	**C**	A site hand over meeting was held with the ASLA construction on 2 November 2021 during which the contractor was made aware of their environmental obligations. Environmental Awareness Posters have been provided to the Contractors. The induction of dune rehabilitation staff was undertaken on 2 November 2021.
	3. The RE, in the absence of the ECO who was in hospital, inducted the bulk earthmoving staff on 11 January 2022.	The Site Agent met with earthmoving staff before construction commenced to induct the staff regarding the sensitivities of the site and the environmental do's and don'ts.	**C**	The ECO briefed the Site Agent on 2 November 2021 at the site handover meeting.
	4. Appropriate signage that indicates the contact details of the Implementing Agent, Contractor, RE (or RE's representative) and ECO must be provided on site. Given that access across the site must remain open during the day, appropriate signage must be erected on the entrance gate warning visitors to the Nature Reserve about the movement of heavy construction vehicles.	The contractor's Notice Board has been erected at the entrance to the construction site. The signboard warning the public of heavy moving traffic is to be placed in the center of the entrance gate to the site.	**PC**	The contactor's Notice Board still needs to be placed at the entrance to the construction site. A signboard informing visitors to the nature reserve that they must report to the site office has been placed on the fence to the north of the entrance gate. It was suggested that this sign should be put in the middle of the gate. CapeNature are designing a sign board to be put up at the entrance to the construction site (arising from meeting with the Re on 24 March 2022).
Undertake **construction and earthworks** without adversely affecting the environment, including the gravel entrance road across the site to the Nature Reserve.	1. Communicate with contractor to ensure that all the environmental specifications are understood and carried out.	To be undertaken by ECO and site agent before construction commences.	**C**	A meeting was held with the contractor on 4 March 2022 during which the contractor was made aware of their environmental obligations to keep the access road in good condition. Subsequent meetings with CapeNature and Site Agent (4 March), and with RE (24 March) have been held as it appears to be impossible

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
				to maintain the access road in a drivable condition at all times during the day. The RE is currently looking at an alternative route around the property for access. This route could also be used as a fire break to facilitate fire-fighting staff getting to the fire.
	2. The contractor must point out the site office.	To be sanctioned by the ECO and site agent before bulk earthworks commences.	**C**	Only a small container has been placed on the property to act as a temporary site office for the duration of the bulk earthworks.
	3. Control all construction in terms of the Construction Guidelines This will include the removal of alien vegetation and the removal and storage of natural topsoil, brushwood and chip wood if applicable.	ECO to inform and educate the construction staff and RE of the Construction Guidelines and the Recommendations for Clearing of Invasive Alien Vegetation, prior to commencement of construction. ECO to monitor compliance.	**C**	The understorey mulch and brushwood was placed in windrows ready for chipping. The wood chips have been stored in heaps across the site. The brushwood fencing contractor was shown where to place brushwood fencing. The bow-outs on the dune system also need rehabilitation.
Storage of construction materials on site and concrete mixing areas	1. Construction material (concrete and mortar raw materials) must be stored in designated areas in a neat and orderly manner.	Area for construction material to be designated by the Site Agent and to be in secured area out of the way of services construction areas. ECO to monitor compliance.		*The construction of services is not being undertaken in the first phase.*
	2. Contractor to store building rubble in a suitable designated area, with rubble removed from site on a weekly basis (if not to be used as fill).	Area for building rubble storage to be designated by the ECO. Contractor to remove builder's rubble on weekly basis. ECO to monitor compliance.		*No building rubble is being generated during the current phase of works.*
	3. The contractor must indicate the dumping area for all spoil from the site. Trucks removing spoil must remain on designated access roads.	ECO to assess spoil dumping area, and to monitor condition of road.		*The construction of services is not being undertaken in the first phase*.
	4. All other solid waste to be kept in appropriate containers with lids and removed from the site on a weekly basis to a licensed waste disposal facility. The burning of solid waste and paper on site will not be allowed. Recyclable waste (e.g. paper, glass, tin, plastic) should be recycled if possible.	Contractor to remove solid waste on a weekly basis. ECO to monitor compliance.		*The construction of services is not being undertaken in the first phase*

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Storage of construction materials on site and concrete mixing areas (cont.)	5. Only one refuelling area should be provided at the stores/site office for refueling construction vehicles where appropriate.	Contractor to report all fuel and oil spills to the ECO immediately and to remove contaminated soil to a licensed waste disposal facility.	**C**	A mobile diesel bowser is provided on site (**Photo 1**). All machines are parked in a central area after work for the day.
	6. Concrete mixing must be restricted to a designated area on site and cement residues to be removed from site as soon as possible. Two wastewater catch pits must be constructed in series for the capture of cement residues from cleaning of the cement mixer. Residues are to be removed from site from time to time.	ECO to monitor compliance. Contractor to remove cement residues from each logical phase of construction.		*No concrete is being used during the current phase of works on site.*
	7. All parked mechanical vehicles must have a drip tray present to prevent spillage of oils and fuels.	ECO checked all construction vehicles and none of them were leaking oils or diesel.	**C**	Drip trays are on site but are not necessary to be used as no oil or diesel drips were noted (**Photos 2-5**).
Prevent possible **negative impacts of construction personnel** on the environment	1. Contractors will be responsible for the conduct of their personnel on site, as it pertains to trespassing, littering, and unacceptable social behaviour.	Contractor responsible for social management. ECO to monitor for duration of contract.	**C**	Contractor to take note. All staff were observed within the construction area.
	2. ECO must inform construction personnel of environmental rules to apply during construction period.	ECO to meet with contractor prior to commencement of construction in new areas to inform workers of the sensitivities of the site and how they should conduct themselves.	**C**	The ECO met with the Contractor on 4 March 2022. The environmental awareness information was provided to the Contractor, and staff were inducted.
	3. Maintain strict supervision over all construction activities.	ECO to monitor construction activities and if any adverse impacts occur, he must inform the Site Agent, RE and client of such conduct on an on-going basis.	**C**	ECO will conduct monthly inspections and inform the Site Agent and Contractor of any transgressions.
	4. All construction workers must stay within the development area demarcation and no personnel will be allowed beyond the demarcated area.	ECO to monitor for duration of contract.	**C**	All staff were observed within the construction area.
	5. Driving on site must not exceed 20km/hr to at all times.	ECO to monitor on site for duration of contract	**C**	No evidence of the contrary has been noted.

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Prevent possible **negative impacts of construction personnel** on the environment (cont.)	6. Construction staff will not be allowed to stay on site and must be bussed to site each day.		**C**	No construction staff stay on site.
	7. Chemical toilets must be used on site and must be emptied and sanitized regularly.		**C**	One chemical toilet is provided on site and is serviced once a week.
	8. Toilet paper, soap and water must be provided to staff.		**C**	Such commodities are available on site

F.2 BIOPHYSICAL MANAGEMENT PROGRAMMES

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
F.2.1 Fauna and Flora				
Minimise the removal of indigenous vegetation during the de-grubbing phase	1. If natural vegetated areas larger than 20m² are found on site, they should be left intact. If any milkwood trees are found they must not be harmed	Where possible try and save areas of natural vegetation on site during de-grubbing. Any milkwood trees must be kept and must be surveyed in to be kept at all costs.	**C+**	No areas larger than 20m² were located on site. One Milkwood tree was located on the property on the dune to the south of the entrance road. An application has been submitted to the Department of Forestry to have it removed. Extra measures have been taken to protect the Milkwood tree whilst waiting for the permit (**Photo 6**).
Alien plant management	1. Alien vegetation must be removed by appropriate mechanical means and chipped for a mulch to be later used to cover the bare sand to prevent wind erosion.	Alien plant management is a long term commitment and any seedlings must be appropriately controlled. The ECO is to instigate.		A number of rooikrans seedlings have already been noted on the site. Alien vegetation seedlings must be sprayed with appropriate herbicides at the end of the installation of Municipal services.
Minimise disturbance to fauna	1. Contractors must not harm or disturb any wildlife, especially snakes, tortoises, buck, hares and birds.	ECO/Contractor to monitor. The contractor must report all incidents of harm to any fauna to the ECO who will report such incidents to the authorities.	**C**	No incidences of wildlife were noted on site**.**
	2. All fauna must be removed from the construction site without harming them and taken Geelkrans Nature Reserve.	ECO/Contractor to monitor on a going basis. CapeNature may be contacted for a list of snake handlers in the area.	**C**	Contractor to take note**.** No wildlife was found on the site.
F.2.2 Water				

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Institute **measures to minimise ground water pollution** during construction phases of project.	1. No pollution of surface or ground water may occur due to any activity on the property. The relevant requirements of the National Water Act, 1998 (Act No. 36 of 1998) must be complied with at all times	The ECO/Site Agent to monitor use of oils, diesel and other hydrocarbons on site.	**C**	No incidence of water pollution was noted on site. An oil spill kit must be on site and personnel must have the appropriate training to use such a kit.
Institute measures for **stormwater management to prevent erosion**, damage to property and pollution of the environment.	1. Stormwater measures are probably not required during the mass earthworks phase of the property. Should a heavy downpour of rain occur the Site Agent must ensure that stormwater is contained on the property.	RE/Site Agent to monitor adequate storage of stormwater after moderate rainstorms and during the wet winter period (Construction Phase).		Deep ponding of stormwater on site must be prevented and measures to keep the stormwater on the site must be undertaken by the Site Agent. No heavy rainstorms have occurred on site.
F.2.3 Soil				
Prevent soil erosion	1. The whole site has been de-grubbed of alien vegetation. When the various building platforms have been completed it may be necessary to spread the wood chips over the site that will not immediately have Municipal services installed, to prevent wind erosion.	ECO to monitor site clearing and site preparation and check for any erosion that may take place.	**C**	The whole site has been cleared of all alien vegetation and de-grubbed. The phase 1 building platforms are being prepared (**Photo 7**). Municipal services will be installed on these platforms. The remaining area will be covered with wood chips to prevent wind erosion of the loose sandy surface (**Photo 8**).
	2. The Contractor must take appropriate and active measures to prevent soil erosion resulting from construction works, operations and activities to the satisfaction of the ECO.	The contractor is to institute anti-erosion measures such as the spreading of wood chips over the disturbed areas. The ECO is to monitor.	**C**	No wind erosion was noticed on site.
	3. If significant wind erosion of the property takes place despite the use of wood chips, it may be necessary to used specially made netting erected at rights angle to the prevailing winds.	Anti-erosion measures to be discussed with and approved by the RE in consultation with the ECO if and when necessary	**C**	No erosion has been noticed on site as yet.

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Rehabilitate all areas where **soil erosion** has taken place	1. The badly eroded frontal dune system must be rehabilitated by trapping windblown sand using brushwood fences placed at strategic points	If the brushwood fences take too long in trapping sand moved off the beach by wind, sand harvested from the interior of the property can be used to fill in blowouts and reshape dunes. The ECO and the specialist dune rehabilitation company, VULA, will be responsible for such rehabilitation.	**C**	The back-dune area of the frontal dune system has grown in size (by at least 2m vertically over a period of about 20 years) by rooikrans trapping windblown sand off the beach and from prolonged blow-outs. It is envisaged to mechanically drag such sand back towards the beach to get a stable, low angle dune front, which will be rehabilitated with locally indigenous strandveld plants (**Photo 9**). Shade netting rows will be used for long term trapping of sand off the beach and prevent erosion of the newly formed back-dune.
	2. Institute soil protection and soil rehabilitation measures where erosion has taken place with the use of wood chips. Shade netting should be used in areas where windblown open sandy areas are located	To be planned and facilitated by ECO and VULA where necessary.		Mass earthworks are firstly being undertaken over the site to create building platforms, as such, no erosion of the development site is taking place.
	3. Eroded areas will need to be backfilled and compacted	Contractor to ensure that the backfilled material is compacted sufficiently so as to not collapse in the future.		No erosion was noticed on site.
	4. Plant locally indigenous Strandveld plants over the whole site to stabilize exposed open areas. Indigenous grass seeds and Strandveld seeds harvested from the general Still Bay area should also be broadcast over these open sandy areas, together with wood chips. The above planting and broardcasting of seed should only take place after the first good rains of the winter season.	ECO and VULA to monitor and advise accordingly. Once the bulk earthworks have been completed, rehabilitation of the lower phased areas (phases 2 and onwards) will need to be stabilized to prevent windblown erosion. Once the installation of bulk services have been completed for Phase 1, this area can be stabilised using the methods recorded above.		The ECO and VULA will need to facilitate stabilisation of open sandy areas.
	5. Since there is a large volume of rooikrands seeds in the wood chips, rooikrans seedling will germinate over the whole site. These areas should be sprayed using an appropriate herbicide.	ECO and VULA to monitor and advise accordingly.		Some rooikrans seedings have already been noticed growing on the site. It is recommended that such seedlings be sprayed once the services for Phase 1 have been installed.

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Prevent **pollution**/ contamination **of soil**	1. Prevent cement powder spills and clear such accidental spills as soon as possible as cement powder has a high alkalinity pH rating that can contaminate and affect both soil and water pH dramatically. All hydrocarbon spills are to be addressed immediately to prevent seeping into the ground.	ECO to monitor for duration of contract. Contractor to inform ECO of such spills. Special measures are to be implemented for any hydrocarbon fuel spills. An Oil Spill kit must be kept on site in case of a hydrocarbon spill.		No cement is currently being used on site, while diesel refilling is being undertaken from a mobile bowser.
	2. All servicing of vehicles must have a drip tray to prevent accidental spillage of oils and fuels. Similarly, any stationary concrete mixers, dumpers, compressors or generators must have drip trays under them at all times, whether they are working or not.	ECO to monitor for duration of contract.	**C**	Whilst driptrays are on site, no oil or diesel drips were noted beneath any of the construction vehicles on site.
	3. All vehicles, equipment, fuel and petroleum services and tanks must be maintained in a good condition that prevents leakages and potential contamination of soil.	ECO to monitor for duration of contract.	**C**	All vehicles are in good working condition and no oil or diesel leaks were noticed.
	4. All fuels, oils and hydrocarbon products (e.g. tars) are kept in tins and drums must be stored in a suitably bunded area to prevent pollution in case of spills or leakages.	ECO to monitor compliance for duration of contract.		No hydrocarbon products are presently kept on site.
Prevention of dust	1. De grubbing took place first with the removal of all alien vegetation using mechanical means. All brushwood was chipped and stored in mounts over the site. Any areas that create dust must be wetted down with water or the area covered with wood chips.	ECO to Advise during the initial site clearing and chipping and the bulk earthworks.	**C**	All brushwood was removed up to the property boundaries and chipped. One complaint was received from a property owner off Kabeljou street. The area causing dust was wetted down with water.

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
Prevention of dust (cont.)	2. Mass earthworks are being undertaken over the whole site to construct building platforms.	ECO to advise during initial earthworks. .	**C**	Vegetation at the active work site has been cleared.
	3. All disturbed surfaces must be monitored for dust during windy periods. Given that the excavated sand is moist, very little dust is being generated on site. Water bowsers are being used over the dumped sand to get the right compaction ratios.	Currently water is being used to wet the worked surfaces. ECO to advise on the use of straw/wood chips should dust become a nuisance.	**C**	One dust nuisance complaint has been recorded on site but was successfully dealt with.
	4. Road surfaces may cause dust pollution during their construction phase.	ECO to monitor and advise on the use of water to wet surfaces to prevent dust or to advise on alternative dust suppression measures	**C**	The gravel access road is in use and is being kept moist.
F.2.4 Energy Management				
Use electricity sparingly during construction	1. The contractors must be informed of the efficient use of energy (electricity) during construction. When not in use appliances (lights, electrical machinery, motors etc.) must be switched off.	ECO and site agent to monitor for the duration of the contract period.		No electricity is currently required.
F.2.5 Hydrocarbon and Hazardous Materials Management				
Hydrocarbon and Hazardous Materials Management to be carefully undertaken	1. The contractor shall have a hazardous material spill kit on site.	ECO and site agent to monitor for the duration of the contract period.	**C**	Construction vehicles are filled from a mobile diesel bowser. No diesel spills have been noted.
	2. Prevent cement, bitumen, fuel and other hazardous material spills or clear such accidental spills as soon as possible. All hydrocarbon, tar, and bitumen spills are to be addressed immediately to prevent seeping into the ground.	ECO and site agent to monitor for the duration of the contract period.		No construction is currently taking place.
	3. Refuelling may take place on site, provided adequate drip trays, spill absorbent material and fire fighting equipment are at hand	ECO and site agent to monitor for the duration of the contract period.	**C**	Construction vehicles are filled by a mobile diesel bowser. No diesel spills have been noted.

F.3 SOCIO-ENVIRONMENTAL MANAGEMENT PROGRAMMES

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
E.3.1 Archaeological and Heritage Resources				
Conserve all archaeological settings and artefacts	1. The ECO must assess the excavated soils for any signs of archaeological artefacts.	Site Agent to monitor and to comply with work stoppage. ECO to ensure training.	**C**	No archaeological material has been found on site. Should any be found, works on site must be stopped and HWC notified.
	2. Construction personnel must be shown what artefacts to look out for and must point out any archaeological material exposed in the excavations to the ECO. All works must be stopped until such time that the necessary research has been undertaken.	ECO to monitor excavated materials and inform HWC of any finds	**C**	No heritage resources have been found on site yet.
	3. Any burial sites must be reported to the ECO who must investigate the site(s) and inform HWC and SAHRA.	HWC and south African Heritage Resources (SAHRA) must assess sites.	**C**	*Features like burials can occur in unexpected locations, and should any excavations uncover human remains; the ECO and HWC are to be notified immediately.* No burial sites have been reported.
E.3.2 Socio-Economic Benefits of the Development				
Job opportunities should be afforded to the local community where possible	1. Both the temporary job opportunities during the construction phase and more permanent jobs (e.g. domestic staff and security) during the operational phase should be allocated to persons from the local communities wherever possible	Mass earthworks is currently being undertaken by ASLA staff. A single lady from the local community is acting as a signalman to ensure cyclists, motorists and pedestrians crossing the site do so safely.	**C**	A complaint was received from CapeNature regarding the dangerous conditions on site with the use of heavy earthmoving vehicles. Steps are being undertaken to address safer access over the site e.g. a signalman is on site during working hours (**Photo 10**).
	2. Developer should employ a social engagement strategy. Temporary job opportunities (construction phase) should be allocated to persons from the local communities wherever possible.	Developers to ensure compliance with and monitor the local employment strategy. The RE and ECO to monitor compliance.	**C**	The contractor is currently using one lady from the local community for safety practices. More staff will no doubt be used once the installation of services takes place.
To prevent **injury to public using gravel access road**, construction staff, and delivery of materials	1. A new signboard is being designed to assist the public with access over the site	Site Agent and ECO to check on compliance once the new signboard has been erected.	**C**	The new notice board is to be erected as soon as possible. A signalman is being used to control traffic, cyclists and pedestrians on site (**Photo 10**).

ENVIRONMENTAL ASPECTS (PROJECT ACTIVITY)	REQUIRED ACTIONS	TARGET AND RESPONSIBILITY	COMPLIANCE	ECO COMMENTS
E.3.3 Security				
Minimise security risk during the construction phase	1. The contractor(s) will be responsible for the security of their builder's site and the conduct of their personnel for the duration of the services and building contracts.	The contractor and developer will need to monitor security issues.	**C**	The development is secured after hours by means of locking the main entrance gate.
Ensure outdoor advertising associated with the project is not visually obtrusive	1. All outdoor advertising associated with this project, whether on or off the site, must comply with the south African Manual for Outdoor Advertising Control (SAMOAC).	ECO to monitor compliance by developers and contractors.	**C**	The Advertising Board and the Contractors Board comply with SAMOAC.

APPENDIX 1 – PHOTO SHEET

Photo 1: The mobile diesel bowser at the overnight parking area for all ASLA's construction vehicles.

Photo 2: No diesel drips were noted coming from the mobile diesel bowser.

Photo 3: No hydraulic oil or diesel was noted dripping from the large mechanical excavator.

Photo 4: No diesel or hydraulic oil was dripping from the dump truck.

Photo 5: No diesel or hydraulic oil was dripping from the grader parked on site.

Photo 6: Extra effort was taken to prevent wind damage to the milkwood tree found on site. The milkwood tree was also irrigated with sprinklers to ensure the soil did not dry out.

Photo 7: Shows the completed platform for the hotel site (right of photo) and the frontal platform for the first row of houses. The area to the right is private open space which will also include a shallow dam.

Photo 8: The completed platform for the group housing complex to the south of the entrance to the development. Note the spreading of topsoil and wood chips to prevent windblown sand.

Photo 9: Shows the backdune area and the hotel platform to the right. The backdune will be stripped of its rooikrans growth and the exposed sand will be pulled back to fill the large blow-outs. A gentle angle of repose (about 30°) of the backdune will be shaped before covering in jute cloth and planted with salvaged natural Blombos Strandveld plants. A temporary irrigation system will be installed to ensure the transplanted plants survive.

Photo 10: The signalman (woman) (red arrow) is on site to control the vehicles, cyclists and pedestrians when entering and exiting the site. The existing road to the CapeNature house is noted to the right of photo.