

LOMBARDSKRAAL DOLERIET (PTY) LTD

**APPLICATION FOR A MINING PERMIT FOR THE MINING OF
GRAVEL, 4.9 HA ON A PORTION OF PORTION 4 OF THE FARM
WAAI KRAAL NO 120 SITUATED IN THE BEAUFORT WEST
MAGISTERIAL DISTRICT OF THE WESTERN CAPE PROVINCE.**

COMMENTS AND RESPONSE REPORT

DEPARTMENT REFERENCE NUMBER:

WC 30/5/1/3/2/10266 MP

FEBRUARY 2021



NOTIFICATION OF APPLICATION TO STAKEHOLDERS AND I&APS DURING INITIAL PUBLIC PARTICIPATION PHASE

COMMENTING PERIOD: 9 NOVEMBER – 9 DECEMBER 2020

Lombardskraal Doleriet (Pty) Ltd applied for a mining permit for the mining of gravel, 4.9 ha on a portion of Portion 4 of the farm Waai Kraal No 120 situated in the Beaufort West magisterial district of the Western Cape Province. During the public participation process the stakeholders and I&AP's were informed of the project by means of background information documents that were sent to the contact persons. A 30-days commenting period was allowed which expired on 9 December 2020. The following table provides a list of the I&AP's and stakeholders that were informed of the project:

STAKEHOLDERS				
TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr J Jonker	Central Karoo District Municipality	jjonker@skdm.co.za	9 November 2020	No Response Received
Mr Haarhoff	Beaufort West Local Municipality	admin@beaufortwestmun.co.za	9 November 2020	19 November 2020

Response received from Beaufort West Local Municipality on 19 November 2020:

Beaufort West Municipality hereby acknowledge receipt of your background information document in the above matter dated 9 November 2020.

Please be advised that the owner of portion 4 of the farm Waai Kraal 120, Beaufort West, must apply for a consent use in terms of Section 15(o) of By-Law

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
<p>on Municipal Land Use Planning for Beaufort West Municipality, 2019 (Notice 21/2019) to allow for a quarry on the aforesaid property before any mining activity may commence,</p> <p>I trust that you will find the above-mentioned in order.</p>				
<p><u>Response send to Mr Strümpher on 9 December 2020:</u></p> <p>Thank you for taking part in the public participation process and submitting valued comments for the proposed mining permit application.</p> <p>The applicant will apply for a consent use in terms of Section 15(0) of By-Law on Municipal Land Use Planning for Beaufort West Municipality in due course.</p> <p>All comments received from you will be incorporated in the Final Basic Assessment Report to be submitted to DMRE for consideration.</p>				
Cllr Derick Welgemoed	Beaufort West Local Municipality Ward 2	derick@matplant.co.za	9 November 2020	No Response Received
Me Waseefa Dhansay	Heritage Western Cape	waseefa.dhansay@westerncape.gov.za	9 November 2020	No Response Received
<p>NID application submitted 25 November 2020.</p>				

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr Jannie van Staden	Breede Gourits Catchment Management Agency	jstaden@breedegouritzcma.co.za	9 November 2020	No Response Received
Me Alana Duffell-Canham	CapeNature	aduffell-canham@capenature.co.za	9 November 2020	No Response Received
Mr Benjamin Walton	CapeNature - George	ceoheritage@westerncape.gov.za	9 November 2020	No Response Received
Mr Cor van der Walt Me Mashudu Marubini Me Phyllis Pienaar	Department of Agriculture, Land reform & Rural Development <ul style="list-style-type: none"> 📍 Cape Town 📍 Pretoria 📍 Beaufort Wes 	landuse.elsenburg@elsenburg.com MashuduMa@Dalrrd.gov.za phyllisp@elsenburg.com	9 November 2020	No Response Received
Me Lutendo Netshilema	Department of Agriculture Forestry and Fisheries	LutendoN@daff.gov.za	9 November 2020	No Response Received
Mr R Khan	Department of Water and Sanitation - Provincial	KhanR@dwa.gov.za	9 November 2020	No Response Received

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr J Scholtz	Department of Economic Development and Tourism	ecohead@westerncape.gov.za	9 November 2020	No Response Received
Me Adri La Meyer	Department of Environmental Affairs and Development Planning - Western Cape	Adri.LaMeyer@westerncape.gov.za	9 November 2020	10 November 2020

Response received from Me Adri Lameyer on 10 November 2020:

Thank you for the BID. Please register the Department as a commenting authority for the BA application. Kindly notify me when the Draft BAR is released for public comment?

I note that the BID indicates that Activity 12 of LN 3 of the NEMA EIA Regulations, 2014 (as amended) is applicable, but that the vegetation type on the mining area is classified as having an ecosystem status of Least Threatened. Please relook at the applicability of said listed activity? (only applicable if the indigenous vegetation has an ecosystem status of Endangered or Critically Endangered).

We will provide more detailed comment on the Draft BAR once available; however, individual directorates may provide comments on the BID directly to you by the deadline of 09 December 2020.

Response received from Ryan Apolles on 2 December 2020:

I'm just following up on the email sent to you from Adri La Meyer(subjoined below), to determine if the Draft BAR (BID 10266 MP) is available for comment as yet?

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
<p><u>Response from Greenmined Environmental on 2 December 2020:</u></p> <p>Thank you for your email. The commenting time for the BID ends 9 December 2020. I will send you an email notification to let you know when the DBAR will be available for comments.</p> <p><u>Response from Greenmined Environmental on 10 December 2020:</u></p> <p>The DBAR will be made available to you for comments.</p> <p>Please note that Activity 12 of LN 3 of the NEMA EIA Regulations, 2014 (as amended) is no longer applicable and was removed from the documentation the application for Environmental Authorisation will also be amended accordingly.</p>				
Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning - George	danie.swanepoel@westerncape.gov.za	9 November 2020	No Response Received
Dr Robert Macdonald	Department of Social Development	Robert.Macdonald@westerncape.gov.za	9 November 2020	No Response Received
Ms Carol Benadie	Department of Social Development - Beaufort West	carol.benadie@westerncape.gov.za	9 November 2020	No Response Received

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Me Grace Swanepoel	Department of Transport and Public Works	grace.swanepoel@westerncape.gov.za	9 November 2020	No Response Received
Me Candice van Heerden	Department of Labour	Candice.VanReenen@labour.gov.za	9 November 2020	No Response Received
Me Juanita Fortuin	Department of Rural Development and Land Reform	juanita.fortuin@drdlr.gov.za	9 November 2020	No Response Received
Transnet	Me Paulita Whon	Paulita.Whon@transnet.net	9 November 2020	No Response Received
Me Nicole Abrahams	SANRAL Western Cape	AbrahamsN@nra.co.za	9 November 2020	No Response Received
Mr Jannie van Staden	Breede-Gouritz Cathement Management Agency	jstaden@bgcma.co.za	9 November 2020	No Response Received

STAKEHOLDERS				
TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
SAHRIS on-line system	SAHRA	www.sahris.org.za	9 November 2020	No Response Received

LANDOWNER / SURROUNDING LANDOWNERS / INTERESTED AND AFFECTED PARTIES				
TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr Gideon Viviers – Land Owner	Wai Kraal No 120	gideonvivier@gmail.com	9 November 2020	No Response Received
Me Esme Koster	Werner Koster Trust	esme.koster@gmail.com	9 November 2020	No Response Received
Mr Boel Smuts	Tamarisk Trust	admin@landmarkfoundation.org.za	9 November 2020	No Response Received

LANDOWNER / SURROUNDING LANDOWNERS / INTERESTED AND AFFECTED PARTIES

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr Micheal Anstey	Courlandskloof	karoolovers@gmail.com	9 November 2020	No Response Received
Mr Rhalf Koster (Tenant)	Courlandskloof	rkoster@mweb.co.za	9 November 2020	No Response Received
Mr Wallie Nigrini	Renosterkop	seviliano@vodamail.co.za	9 November 2020	No Response Received
Mr Sias Reynolds	Avondale & The Meadows	siasreynolds@yahoo.com	9 November 2020	No Response Received
Mr Colin de Villiers	Badshoek	colin@beaufortwest.net	9 November 2020	No Response Received

SUMMARY OF INITIAL PUBLIC PARTICIPATION PROCESS

The I&AP's and stakeholders were informed of the proposed project through:

- telephonic discussions;
- direct communication with background information documents
- placement of on-site notices; advert in Die Courier on 9 November 2020

Comments received were incorporated into the DBAR to be submitted to the DMRE

See attached as Appendix F2 proof of the correspondence with the I&AP's and stakeholders during the public participation process.

NOTIFICATION OF APPLICATION TO STAKEHOLDERS AND I&APS DURING SECOND PUBLIC PARTICIPATION PHASE

COMMENTING PERIOD: 11 DECEMBER 2020 – 29 JANUARY 2021

During the public participation process the stakeholders and I&AP's were informed of the project by means of DBAR notifications that were sent to the contact persons. A 30-days commenting period was allowed which expired on 29 January 2021. The following table provides a list of the I&AP's and stakeholders that were informed of the project:

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TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr J Jonker	Central Karoo District Municipality	jonker@skdm.co.za	11 December 2020	No Response Received
Mr Haarhoff	Beaufort West Local Municipality	admin@beaufortwestmun.co.za	11 December 2020	No Response Received
Cllr Derick Welgemoed	Beaufort West Local Municipality Ward 2	derick@matplant.co.za	15 December 2020	No Response Received
Me Waseefa Dhansay	Heritage Western Cape	waseefa.dhansay@westerncape.gov.za	11 December 2020	No Response Received

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TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr Jannie van Staden	Breede Gourits Catchment Management Agency	jstaden@breedegouritzcma.co.za	11 December 2020	No Response Received
Me Alana Duffell-Canham	CapeNature	aduffell-canham@capenature.co.za	11 December 2020	No Response Received
Mr Benjamin Walton	CapeNature - George	ceoheritage@westerncape.gov.za	11 December 2020	No Response Received
Mr Cor van der Walt Me Mashudu Marubini Me Phyllis Pienaar	Department of Agriculture, Land reform & Rural Development <ul style="list-style-type: none"> 📍 Cape Town 📍 Pretoria 📍 Beaufort Wes 	landuse.elsenburg@elsenburg.com MashuduMa@Dalrrd.gov.za phyllisp@elsenburg.com	11 December 2020	9 February 2021
<p>Lombardskraal Doleriet (Pty) Ltd wishes to commence with a mining activity.</p> <p>A Portion 4 of the farm Waai Kraal NO. 120, Beaufort West Division.</p> <p>The activity includes the blasting of the hard rock where the material will be used for crusting and stock piling. The Department has been requested to provide comment on the Draft Basic Assessment Report for Environmental Authorization for Mining Permit for the mining of aggregate 4,9 hectares, on a</p>				

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				<p>portion 4 of the farm Waai Krral No. 120, Beaufort West.</p> <p>Amongst others, the Department of Agriculture, Land Reform & Rural Development: Sub-Directorate: Land Use Administration administers and implements the Subdivision of Agricultural Land Act (SALA), Act 70 of 1970.</p> <p>Agricultural land is defined in Section 1 of this Act.</p> <p>According to the records of the Department, Portion 4 of the farm Waai Kraal 120 is subjected to the provisions of this Act.</p> <p>As such the Department reserves the rights to comment at this stage, pending the submission of a formal application in terms of this Act.</p>
				<p>Your comments received 9 February 2021 has reference.</p> <p>The desktop agricultural compliance statement done by Dr Darren Bouwer (PhD Soil Science Pri Nat Sci 400081/16) confirmed that the proposed development site is of a “low” Agricultural sensitivity, as classified by the DEA Screening Tool. The landtypes of the area predict shallow rocky soils. This is further substantiated by satellite images of the survey area. These soils will have a low water holding capacity which will limit crop production and are not deemed suitable for irrigation. The grazing potential of 28 ha/LSU is very low and typical of the area. This is further substantiated by the low rainfall. It is the specialist’s opinion that the proposed development site is of a low agricultural sensitivity and that the development at the proposed site will not significantly impact agricultural activities. In terms of agricultural sensitivity, the proposed development should thus be allowed to proceed at the identified site subject to recommendations provided.</p> <p>All comments received for you as well as our response will be incorporated in the Final Basic Assessment Report to be submitted to DMRE for their consideration.</p>

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Me Lutendo Netshilema	Department of Agriculture Forestry and Fisheries	LutendoN@daff.gov.za	11 December 2020	No Response Received
Mr R Khan	Department of Water and Sanitation - Provincial	KhanR@dwa.gov.za	11 December 2020	No Response Received
Mr J Scholtz	Department of Economic Development and Tourism	ecohead@westerncape.gov.za	11 December 2020	No Response Received
Me Adri La Meyer	Department of Environmental Affairs and Development Planning - Western Cape	Adri.LaMeyer@westerncape.gov.za	11 December 2020	29 January 2021

Directorate: Development Management(Region 3) –

Ms Shireen Pullen (Shireen.Pullen@westerncape.gov.za; Tel: (044) 805 8600):

According to the Draft BAR, two site alternatives were considered, being a portion of Portion 4 of the Farm Waai Kraal No. 120, situated in the magisterial district of Beaufort West (the preferred site alternative), and a greenfield site which was not preferred. The Draft BAR does not contain any information (e.g. property and environmental attributes description) and no further assessment on this site alternative. Please note that the aim of the consideration of alternatives in the environmental impact assessment (“EIA”) process is to find the best environmentally practicable environmental option. Also note that the consideration of alternatives is not limited to site alternatives, but may also include, inter alia, layout, design, operational and

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technology alternatives. The EAP is therefore advised to comparatively assess all the feasible and reasonable alternatives in order to select the best practicable environmental option.

The cumulative impacts that may result from the proposed development, is the cumulative impact on the broad-scale ecological processes, and the impact on existing infrastructure as a direct result of the proposed mining operation. Both these cumulative impacts are regarded as having limited impacts and of low significance. It is however not clear how this significance rating was determined as the preferred site is located within proximity to a Critical Biodiversity Area, and a non-perennial centre line which is identified as an aquatic Ecological Support Area. Although the proposed mining area is not located directly within these sensitive environments, the cumulative impact of the proposed development should be adequately assessed, mitigated and reported on.

It is noted that no Screening Tool Report, Site Sensitivity Verification Report, and Public Participation Plan was attached to the Draft BAR; however, page 131 of the Draft BAR states that the Screening Tool Report identified 13 specialist assessments for inclusion in the assessment report. Section 1(k) of the Draft BAR further lists the EAP’s motivation/opinion why some of these specialist inputs are not required. Although this is noted, in terms of the Procedures for the assessment and minimum criteria for reporting on identified environmental themes in terms of sections 24(5)(a) and (h) and 44 of the National Environmental Management Act, 1998, when applying for environmental authorisation (“the Protocols”) published in Government Notice (“GN”) No. 320 of 20 March 2020, the involvement of an agricultural specialist or soil scientist is required to provide a compliance statement, even for a low agricultural sensitivity. The agricultural specialist or soil scientist must be registered with the South African Council for Natural Scientific Professions (“SACNASP”) in terms of the relevant Protocol. Please ensure all the relevant national protocols are complied with, as it is evident that this is not the case.

The Botanical Study Assessment compiled by Nkurenkuru Ecology and Biodiversity dated 10 November 2020 is noted; however, it is unclear whether the specialist is registered with the SACNASP1. Please note that any specialist performing work related to any of the fields of practice listed in Schedule I of the Natural Scientific Professions Act, 2003 (Act No. 27 of 2003) must be registered with the SACNASP, in any of the prescribed categories [section 18] and further to this, only a person registered with the SACNASP may practice in a consulting capacity [section 20]. Proof of such registration must be provided to the competent authority.

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<p>The EMPr states that “stormwater must be diverted around the topsoil heaps and mining areas to prevent erosion.” Due to the proposed mine’s proximity to a watercourse, stringent stormwater management actions should also be included in the EMPr for the duration of the life-of-mine to manage erosion control and to prevent siltation of the nearby watercourse. The EMPr should therefore be amended to include specific stormwater management actions, not only for the prevention of erosion of topsoil, but also for the prevention of erosion of the entire mining area. (In this regard, please also refer to paragraph 2.3. below.)</p> <p>Directorate: Pollution and Chemicals Management –</p> <p>Ms Monique Natus (Monique.Natus@westerncape.gov.za; Tel: (021) 483 6839):</p> <p>Please provide a more detailed description of what the crusher plant may entail, and the extent of the area required to accommodate it.</p> <p>The Draft BAR does not specify the maximum depth of the proposed mine/quarry. Please provide an indication thereof as the depth of the quarry would influence the visual impact.</p> <p>Mining operations and/or excavation activities must be conducted in a manner that prevents the ponding or pooling of water on the surface. The proposal to install stormwater diversion channels around the mining area and topsoil stockpiles is supported. However, adequate measures must be installed to prevent the stormwater channels resulting in significant erosion and removal of topsoil from the surrounding area, and to ensure that on-site activities do not culminate in off-site pollution downslope.</p> <p>The Draft BAR states that no watercourses occur within 1km of the mining area. However, according to available mapping resources, including Cape Farm Mapper, mapped non-perennial drainage lines do occur within 1km to the south and east of the proposed mining area. No information on these features has been provided, and the assumption has been included that the proposal will have no impact on any water resources. It is recommended that the report is amended to include a description of these watercourses, and that additional investigation and assessment of the potential impact(s) of the proposed activities on these features is provided. Clearer and more specific mitigation measures should be proposed to ensure</p>				

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<p>that the proposed mine does not negatively impact on water resources in the area.</p> <p>Per the EMPr, all vehicle maintenance or refuelling should be undertaken within the workshop and service area proposed within the mining area. Alternatively, if emergency repairs or refuelling are required, it must be undertaken on an impermeable surface to prevent contamination of soil and groundwater. Vehicles and equipment must be parked and stored on impermeable surfaces or make use of uPVC lining and drip trays when stationary.</p> <p>The applicant must ensure that no excavation occurs below the level of the water table.</p> <p>Please note that the use of potable water for dust suppression is not supported</p> <p>Please amend the EMPr to include reference to section 30 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (“NEMA”) pertaining to the control of incidents. In the event of a significant accidental spill or leak of hazardous substances (e.g. petrol, diesel, etc.) during any phase of the proposed activities, such an incident(s) must be reported to all relevant authorities, including this Directorate, in accordance with section 30 of NEMA; and not only to the Department of Water and Sanitation, as stated in the report.</p> <p>Directorate: Waste Management – Ms Hadjira Peck (Hadjira.Peinke@westerncape.gov.za; Tel: (021) 483 3003):</p> <p>The Draft EMPr should include the requirement that all safe disposal certificates, including hazardous waste and waste from the chemical ablation facilities, should be retained for a minimum period of five years. This requirement is stipulated in regulation 8(1) of the Waste Classification and Management Regulations published in GN No. R. 634 of 23 August 2013: “All waste generators, transporters and managers subjected to the requirements of subregulations (1), (2), (4), (5), (6) and (7) must retain copies, or be able to access copies/records, of the waste manifest documentation for a period of at least five (5) years.” Waste registers, as described in the Draft BAR and EMPr, must be made available for review upon request by any relevant authority.</p> <p>Per paragraph 2.8. above, any event resulting in the spill or leak of hydrocarbons or any other hazardous solvents into the ground and/or water resources, must be reported within the prescribed timeframes to all relevant authorities, including the Directorate: Pollution and Chemicals Management.</p>				

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<p>Containment, clean-up and remediation must commence immediately in the case of NEMA section 30 incidents, and the necessary documentation must be completed and submitted within the prescribed timeframes.</p> <p>The storage of hazardous and/or general waste in excess of 80m³ and 100m³ respectively, excluding the storage of waste in lagoons or the temporary storage of such waste, would require the applicant to comply with the National Norms and Standards for the Storage of Waste, published in GN No. 926 of 29 November 2013. Although the storage of general and hazardous waste below these mentioned thresholds is not regulated, section 28 of the NEMA, 1998 would apply to ensure that any waste storage does not impact negatively on the environment.</p> <p>Directorate: Development Facilitation –</p> <p>Mr Ryan Apolles</p> <p>(Ryan.Apolles@westernape.gov.za; Tel: (021) 483 2817):</p> <p>The Draft BAR indicates that the proposed mining activities are likely to result in the destruction of the kraal structure and any potential associated artefactual material. The Heritage Impact Assessment compiled by ACO Associates cc dated December 2020 notes that an archaeological site visit was not undertaken, and recommended that a walkover survey by a suitably qualified professional archaeologist and a site visit by a suitably qualified palaeontologist would be required prior to the commencement of quarrying activities.</p> <p>The impacts associated with the destruction of the kraal structure were not included in section 1(vii) of the Draft BAR (positive and negative impacts that the proposed activity and alternatives will have on the environment and the community that may be affected). Please amend the Draft BAR accordingly to specifically include the destruction of the kraal structure as a potential negative impact associated with the proposed activity</p> <p>The location of the kraal structure must be indicated in Appendix C (site activities map).</p> <p>The Draft BAR failed to indicate whether the applicant and EAP considered the retention of the kraal structure in terms of layout alternatives.</p>				

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<p>The EAP is advised that final comment from Heritage Western Cape (“HWC”) must be obtained prior to the submission of the Final BAR to the competent authority, as comment from HWC will inform whether the kraal structure may be destroyed or must be retained. Furthermore, the comments from HWC must be included in section 1(n) of the BAR (aspects for inclusion as conditions of the environmental authorisation).</p> <p>Section 1(vii), page 103 of the Draft BAR identifies drilling and blasting as a potential negative impact of the proposed activity. Reference is made to potential damage to the power line and potential impact on the shale mining and brickworks infrastructure. No further information regarding the impacts to the mentioned infrastructure is provided, and no avoidance or mitigation measures were provided. The site activities map and the surrounding land use map (Appendix D) also failed to indicate the location of the mentioned infrastructure. Please ensure that further information regarding potential impacts to the infrastructure is provided and reported on.</p> <p>The Draft BAR indicates that an existing road will be used to access the mining area and to transport material from the proposed mining area; however, the site activities map failed to indicate the location of the existing access road. Please further note that available aerial photography shows existing roads passing the eastern border of the mining area, but none providing direct access.</p> <p>The Botanical Study Assessment indicates that a field survey was undertaken on 14 November 2020. Whilst the specialist study indicates that the assessment was undertaken in terms of the Protocol for Biodiversity, it is unclear whether the Plant Species Assessment included in the Botanical Study Assessment was compiled in terms of the Terrestrial Plan Species Protocol published in GN No. 1150 of 30 October 2020. Please include a statement from the biodiversity specialist indicating whether the Plant Species Assessment meets the relevant Protocol criteria.</p> <p>Directorate: Air Quality Management – Mr Deon Stoltz (Deon.Stoltz@westerncape.gov.za; Tel: (021) 483 2805):</p> <p>It is noted that fugitive dust emissions from mining activities and traffic on haul roads will occur during the preparation, operational, and decommissioning phases. It is recommended that:</p> <ul style="list-style-type: none"> o Dust suppression methods be implemented through a dust monitoring programme / fugitive dust control plan during all three phases of the 				

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<p>proposed project; and</p> <ul style="list-style-type: none"> o All mitigation measures relating to dust emissions be implemented strictly as per the EMPr. o It is noted that noise generated by the proposed activities will have a limited impact. This Directorate thus recommends that: <ul style="list-style-type: none"> o All noise levels of machinery and work activities within the mining area must be monitored and controlled; and Noise generated from blasting, excavations, crushing, stockpiling activities, loading of material, and the decommissioning/rehabilitation of the mining area must comply with the Western Cape Noise Control Regulations (Provincial Notice 200/2013) of 20 June 2013. <p>The applicant is reminded of its “general duty of care towards the environment” as prescribed in section 28 of the NEMA, 1998 which states that “Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment.”</p>				
<p>Comment noted, site alternative 2 has been comparatively assessed throughout the FBAR.</p> <p>The cumulative impact was determined by the ecologist and also resulted in low significance. As the non-perennial centre line is located over 550m away from the preferred site the cumulative impact of the proposed development should be not have a significant impact if adequately mitigated. Please also refer to Appendix M - Botanical Assessment Report.</p> <p>As per the report,</p> <ul style="list-style-type: none"> o The proposed development footprint is located outside of any CBA and ESA area as identified by the CapeNature (2017). 				

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<p>o The closest CBA area is a CBA1 area located approximately 550m to the west of the proposed site and is regarded as an area in natural condition that are required to meet biodiversity targets for species, ecosystems or ecological process and infrastructure. Important features identified within this CBA are:</p> <ul style="list-style-type: none"> o Suitable habitat for Cape Mountain Zebra o Watercourse Protection – Great Karoo o Shale Gass SEA Very High Significance Terrestrial <p>o From a Floristic perspective this development will have no impact on the integrity of this CBA as this CBA is located within a plateau of a separate ridge/koppie system with its own micro-catchment, and it is highly unlikely that mining activities and their associated impacts will extend into this area due to the natural barrier created between the lower ridge system to be mined and the plateau of the steeper/higher ridge system. Subsequently this proposed development cannot contribute significantly to the integrity of the identified CBA areas.</p> <p>o The closest ESA area is the ESA1 associated with the extensive and broad ephemeral wash located approximately 1.06km to the east of the proposed development footprint. ESAs are areas that are not essential for meeting biodiversity targets, but that play an important role in supporting the functioning of CBAs, and are often vital for delivering ecosystem services. This area has been classified as an ESA due to the presence of the fairly extensive ephemeral wash system acting as an important freshwater resource, as well as an important corridor for the movement of faunal and floral species.</p> <p>o It is unlikely that this proposed development will have an impact on downstream water resources due to the size of the development, distance from the freshwater resource and the relative low slope associated with the area between the mining area and the freshwater resource ($\pm 2\%$). With effective mitigation measures in place, including erosion control, stormwater management, and mine rehabilitation; the natural to near-natural vegetation between the mining area and the ESA1 will be maintained and subsequently the ESA will not be impacted.</p>				

STAKEHOLDERS				
TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
<p>Comment noted, these reports has been attached to the FBAR as Appendix P, Q, R,</p> <p>A compliance statement was obtained and also attached to the FBAR as Appendix S -The desktop study confirmed that the proposed development site is of a “low” Agricultural sensitivity, as classified by the DEA Screening Tool. The landtypes of the area predict shallow rocky soils. This is further substantiated by satellite images of the survey area. These soils will have a low water holding capacity which will limit crop production and are not deemed suitable for irrigation. The grazing potential of 28 ha/LSU is very low and typical of the area. This is further substantiated by the low rainfall. It is the specialist’s opinion that the proposed development site is of a low agricultural sensitivity and that the development at the proposed site will not significantly impact agricultural activities. In terms of agricultural sensitivity, the proposed development should thus be allowed to proceed at the identified site subject to recommendations provided.</p> <p>Mr Botha (Pr.Sci.Nat 400502/14 (Botanical and Ecological Science) has been registered with SACNASP – Please refer to Appendix M - Botanical Assessment Report Appendix 3 for curriculum vitae, Appendix 4 for relevant work experience and Appendix 5 for SACNASP Registration for the CV and expertise of the specialist.</p> <p>Comment noted, this has specific stormwater management actions have been added to the EMPr</p> <p>A detailed description has been added to the FBAR in figure 4</p> <p>The proposed depth of the quarry will be approximately 15m</p> <p>Comment noted, this has specific stormwater management actions have been added to the EMPr</p> <p>Comment noted, the non-perennial drainage lines occur within 550m from the mining area and has been added to the FBAR. Specific mitigation measures were also added in order to ensure that the proposed mine does not negatively impact on water resources in the area.</p>				

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				<p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to. The estimate water table was confirmed by the landowner to be between 20 – 40 m</p> <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered t</p> <p>Comment noted this will be implemented and adhered to</p> <p>The comment refers to the absence in the Heritage Impact Assessment (HIA) in the Draft BAR of a field assessment of the site. This has since been addressed with the inclusion of the results of the required survey (which took place on 14 December 2020) in the revised HIA issued by ACO Associates on 23 December 2020.</p> <p>This field assessment found no archaeological sites and only a few pre-colonial artefacts on the site of the proposed quarry. The walkover survey also confirmed the presence of a roughly circular stone-walled kraal in the south-west of the quarry footprint, originally noted on a Google Earth satellite photograph of the site and referred to in the HIA included in the Draft BAR.</p> <p>The kraal consists of a low wall of dolerite cobbles from the immediate surrounds that have been piled rather than laid in courses. The age of the kraal is unknown but its shape and structure suggests that it is historical and is likely to be no more than perhaps 150 years old, rather than pre-colonial as these were constructed according to a different pattern. The kraal is also not associated with any cultural material to indicate that people in the past lived</p>

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<p>nearby, which might have made the site of greater interest. The site was assigned a grade of 3C in the HIA and is of relatively low, local heritage significance.</p> <p>The HIA notes that the quarrying of the proposed mining area is likely to result in the destruction of the kraal structure.</p> <p>Comment noted the destruction of the kraal structure as a potential negative impact was included in the FBAR</p> <p>As per the archaeologist response:</p> <ul style="list-style-type: none"> o An alternative layout for the quarry, which avoids the kraal and preserves it on its southern boundary, has been proposed in the Final BAR. o From a heritage perspective this alternative quarry layout is less preferred because although the original quarry layout will mean the loss of the kraal, the alternative layout will open the face of the quarry to the N1 and there will be a marked visual impact on the cultural landscape and sense of place of the area surrounding the quarry that will result from its visibility from the N1. o It is our view that the visual impact of the alternative quarry layout is likely to outweigh the relatively minor loss to the heritage record that will result from the destruction of the kraal. Provided the mitigation proposed in the HIA is implemented (i.e. kraal is photographically recorded and its position accurately mapped) it remains our assessment that the loss of the kraal to the proposed quarrying is tolerable, particularly when assessed against the alternative quarry layout which would likely have a far more marked heritage-related impact. <p>Comment noted the kraal structure was added to the site activities map</p> <p>This option was assessed as part of site alternative 2</p> <p>Comment was requested form HWC but not yet received by the printing of this document, as soon as comments are received it will be forwarded to DMRE.</p>				

STAKEHOLDERS				
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<p>An aerial photograph has been added to indicate existing roads to the site.</p> <p>This was an error and been removed from the FBAR</p> <p>As per Botanical Assessment Report – Appendix M - This study has been executed in accordance with and meet the responsibilities in terms of:</p> <ul style="list-style-type: none"> • NEMA, the Environmental Impact Assessment Regulations, 2014 (specifically in terms of regulation 13 of GN No. R. 326); • The “newly” Gazetted Protocols 3(a),(c) and (d) in terms of Section 24(5)(a) and 24(5)(h) of NEMA (Published on the 20th of March 2020); The Terrestrial Plant Species Protocol published in GN NO. 1105 of 30 October 2020; <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to</p> <p>Comment noted this will be implemented and adhered to</p>				
Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning -	danie.swanepoel@westerncape.gov.za	11 December 2020	No Response Received

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
	George			
Dr Robert Macdonald	Department of Social Development	Robert.Macdonald@westerncape.gov.za	11 December 2020	No Response Received
Ms Carol Benadie	Department of Social Development - Beaufort West	carol.benadie@westerncape.gov.za	11 December 2020	No Response Received
Me Grace Swanepoel	Department of Transport and Public Works	grace.swanepoel@westerncape.gov.za	11 December 2020	No Response Received
Me Candice van Heerden	Department of Labour	Candice.VanReenen@labour.gov.za	11 December 2020	No Response Received
Me Juanita Fortuin	Department of Rural Development and Land Reform	juanita.fortuin@drdlr.gov.za	11 December 2020	No Response Received

STAKEHOLDERS

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Transnet	Me Paulita Whon	Paulita.Whon@transnet.net	11 December 2020	No Response Received
Me Nicole Abrahams	SANRAL Western Cape	AbrahamsN@nra.co.za	11 December 2020	No Response Received
Mr Jannie van Staden	Breede-Gouritz Cathement Management Agency	jstaden@bgcma.co.za	11 December 2020	No Response Received
SAHRIS on-line system	SAHRA	www.sahris.org.za	11 December 2020	No Response Received

LANDOWNER / SURROUNDING LANDOWNERS / INTERESTED AND AFFECTED PARTIES

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
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LANDOWNER / SURROUNDING LANDOWNERS / INTERESTED AND AFFECTED PARTIES

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr Gideon Viviers – Land Owner	Waaikraal No 120	gideonvivier@gmail.com	11 December 2020	No Response Received
Me Esme Koster	Werner Koster Trust	esme.koster@gmail.com	11 December 2020	No Response Received
Mr Boel Smuts	Tamarisk Trust	admin@landmarkfoundation.org.za	11 December 2020	No Response Received
Mr Micheal Anstey	Courlandskloof	karoolovers@gmail.com	11 December 2020	No Response Received
Mr Rhalf Koster (Tenant)	Courlandskloof	rkoster@mweb.co.za	11 December 2020	No Response Received
Mr Wallie Nigrini	Renosterkop	seviliano@vodamail.co.za	11 December 2020	No Response Received
Mr Sias Reynolds	Avondale & The Meadows	siasreynolds@yahoo.com	11 December 2020	No Response Received

LANDOWNER / SURROUNDING LANDOWNERS / INTERESTED AND AFFECTED PARTIES

TITLE, NAME AND SURNAME	AFFILIATION/KEY STAKEHOLDER STATUS	CONTACT DETAILS	CONTACTED DATE	RESPONSE RECEIVED
Mr Colin de Villiers	Badshoek	colin@beaufortwest.net	11 December 2020	No Response Received

SUMMARY OF INITIAL PUBLIC PARTICIPATION PROCESS

Comments received were incorporated into the FBAR to be submitted to the DMRE for decision making.

See attached as Appendix F2 proof of the correspondence with the I&AP's and stakeholders during the public participation process.

-END OF COMMENTS AND RESPONSE REPORT-