EnviroAfrica

10 September 2017

ATT: Mr Schalk Viljoen
P.O. Box 21
Riviersonderend
7250
DEADP Ref: 16/3/3/2/E3/10/1003/17

Dear Mr. Viljoen

Please refer to the compliance rating score card which should be read in conjunction with the ECO construction site environmental inspection report.

The ECO construction site environmental inspection report is a consolidated report, combining all past site visits: 22 August 2018, 28 August 2018, 6 September 2018 and 26 September 2018.

Please note that these reports will be made available on the EnviroAfrica website and all Interested and Affected Parties (I&APs) will be notified. These reports will also be sent to the Department for review as per conditions set out in the Environmental Authorisation,

All following site visits will be rated using the ECO construction site environmental inspection report and compliance rating score card method.

Please contact me if you need to discuss.

Yours sincerely

Inge Erasmus
EnviroAfrica

P.O. Box 5367
Helderberg 7135
Tel: +27 (0)21 851 1616
Fax: +27 (0)86 512 0154

e-mail: admin@enviroafrica.co.za

Unit 7 Pastorie Park
Cnr Reitz & Lourens St.,Somerset West
CK 97/46008/23
VAT4870170513

2018 ENVIRONMENTAL COMPLIANCE RATING SCORECARD: Dasberg Dam

Compliance Rating 0/3/4/5/6
0 = Poor / 3 = Average / 4 = Good / 5 = Very Good / 6 = Excellent

Item No.	Description	Environmental Audit Findings & Comments	Score	Environmental Rating
1.	Demarcation	Appropriate methods of site demarcation and ongoing maintenance of construction site demarcation remains average	4	Good
2.	No-go areas	The No-go area was demarcated as per instruction after the first site visit. Still some damage took place along the boundary of the No-go area. The ECO requested that the demarcation be adjusted to allow for a larger buffer area. Due to miscommunication, this was not done correctly. The contractor ensured that this will be corrected to allow for a larger buffer area.	3	Average
3.	Vegetation and Topsoil Removal	During the first site visit it was clear that the entire dam footprint has been ripped before the necessary method statements were in place. The ECO gave instruction that the removal of topsoil at the dam wall footprint (for the construction of the core) can commence. During the second site visit it was agreed upon what the topsoil will be used for and a method statement was put in place.	3	Good
4.	Construction camp and site office	Very neat and clean. No littering or cigarette buds.	6	Excellent
5.	Personnel living in quarters	Very neat and clean. No littering or cigarette buds. Trench drains are being maintained with lime for odour as per the method statement.	6	Excellent
6.	Plant machinery/ refueling yard	All in order	5	Very good
7.	Construction vehicle maintenance	All in order	5	Very good
8.	Access roads	Access roads have been scraped and are being maintained.	5	Very good
9.	Toilets	Toilets are clean and served regularly as per the method statement. A third toilet might be required if more workers will be located on site permanently ECO to obtain proof of toilets being serviced	5	Very good
10.	Drip Trays	Drip trays visible on site and under stationary vehicles as well as the mobile refueling tanker.	5	Very good
11.	General waste	Dust bins were emptied. No littering on site. [redacted]	5	Very good
12.	Hazardous waste and spills	Hazardous waste bins containing waste oil was observed outside of the bunded area in the storage unit, but this was rectified immediately. During the site visit, 28 August 2018, minor oil spills were observed in and outside the store unit where oil is kept. This area was cleaned up and in a suitable condition during the following site visits.	3	Average

13	Top up oil storage area	Reasonable condition. Could be neater.	3	Average
14.	Construction waste	No construction waste to date	N/A	
15.	Concrete works	No concrete works necessary to date	N/A	
16.	Erosion control	No erosion control measures necessary to date	N/A	
17.	Heritage resources	No heritage resources observed to date	N/A	
18.	Dust control	Dust is not an issue on site as the site is kept quite wet for the construction of the dam wall	4	Good
19.	Method statements	Most method statements in place to date. Some method statements had to, unfortunately, be asked for after these activities already had taken place. It was made clear at the start up meeting that method statements should be in place before such activities take place.	3	Average
20.	Environmental Site file up to date	In order	5	Very good
			Total Score	**70/80 87,5%**

ECO CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT

Project Name:	**Dasberg Dam**	**Report no**	**1 (Consolidated report of last 4 site visits)**
Main Contractor:	**Moresongrondverskuiwings**	**Date**	**26 September 2018**
ECO:	**Inge Erasmus**	**EnviroAfrica Ref. no.**	**0438**

ENVIRONMENTAL ASPECT	**RATING**	**FINDINGS & RECOMMENDATIONS**
RATING: 1 = EXTREMELY POOR 2 = POOR	**3 = AVERAGE**	**4 = GOOD 5 = EXCELLENT**
1. **DEMARCATION** Boundaries of "no go" areas, construction sites, -offices, temporary storage areas as well as labourer's facilities must be demarcated (EMP and ECO requirements) and maintained for the length of the construction period.	4	Construction site was demarcated as per the method statement.
2. **NO-GO AREAS** Identified "No-Go Areas", must be demarcated for protection from construction damage (including secondary impact). • All areas outside of the demarcated construction site(s) and access road(s) to be regarded as NO-GO areas, including remaining natural veld identified trees. • Special attention to identified areas with significant vegetation.	2	During the first site visits, 22 August 2018, the No-go area was not sufficiently demarcated. The ECO instructed and guided the contractor what is expected. During the site visit, 28 August 2018, the No-go area was demarcated as per instructions from the ECO and method statement. During the site visit, 6 September 2018, the ECO noticed a small boundary of the No-go area was damaged – an incident report and first warning was lodged. The ECO instructed the contractor to adjust the demarcation of the No-go area to allow for a larger buffer between the No-go area and construction site. During the site visit, 26 September 2018, this was not sufficiently done (due to miscommunication). The contractor ensured that this will be rectified immediately.
3. **SEARCH & RESCUE** All flora identified for search & rescue must be removed before any construction take place and re-used in pre-approved way.	5	Search and rescue was conducted by VULA Environmental 15 & 16 August 2018 before excavations commenced. Rescued plants were replanted in the No-go area.
4. **VEGETATION & TOPSOIL REMOVAL** Before any construction or earthworks, topsoil must be stripped (>150mm) and stockpiled for rehabilitation/ landscaping. Stockpiles: • must be protected (erosion) and stored separately. • may not be moved further than 50m or mixed with any other soil.	3	During the first site visit, 22 August 2018, it was clear that the entire dam footprint has been ripped. Plant material in the stream was stripped and stockpiled by means by means of bulldozing and dumped outside west of the dam wall footprint in heaps and rows of 1-2 metres high. During the second site visit, 28 August 2018, it was agreed upon that this plant material and topsoil should

ENVIRONMENTAL ASPECT	RATING	FINDINGS & RECOMMENDATIONS
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• must be convex and should not exceed 2m in height. In addition: • Cleared areas must be stabilized. • Burning or burying of cleared vegetation is prohibited (may be used for mulch or slope stabilisation on site).		be used for rehabilitation where necessary and the rest to be disposed of as instructed by the engineer and ECO. It was agreed upon on the second site visit, 28 August 2018, that due to the high clay content in the topsoil and plant material to be stripped from the dam basin is to be used in the construction of the dam wall. No stockpiling to be done. It should be kept in mind that the site is also considered previously ploughed, thus no natural vegetation is present on the site.
5. **CONSTRUCTION CAMP & SITE OFFICES** Must be organised and free of day-to-day litter (good housekeeping standards).	5	Construction camp and site office was very tidy. No litter or cigarette buds were observed on site.
6. **LABOURER'S FACILITIES** Facilities must be of acceptable standards suitably demarcated, well maintained, neat and tidy and with adequate ablution facilities.	5	The labourers camp was very tidy. No litter or cigarette buds observed. Dust bins were emptied. Ablution facilities were clean. Trench drains are being maintained with lime for odour as per the method statement.
7. **ENTRANCE AND HAUL ROADS** Only approved entrance and haul roads may be used. No new roads or parking areas may be developed without written approval from the ECO.	4	Two entrance points to the site is being used. Roads are being maintained. No haul roads needed as per the method statement.
8. **MANDATORY SITE EQUIPMENT** Mandatory site equipment must be in place, well maintained and in accordance with EMP and ECO requirements. • Sufficient refuse bins, well placed and cleaned regularly. • Sufficient fire extinguishers, readily available, maintained and functional. • Drip trays must be used at all fuel and oil storage and refuelling sites. • Toilets and sanitation facilities must be kept clean neat and hygienic.	4	All in order Possibly another toilet needed on site once more permanent staff will be on site.
9. **FUEL AND OIL STORAGE HANDLING** Fuel storage areas must be situated within the demarcated construction camp site (or an area approved by the ECO). • Larger containers must be bunded (containment of accidental spillages). • Drip trays must be used during refuelling or under stationary refuelling vehicles.	3	It was agreed that all machinery will be refuelled on site at the machine refuelling by means of a mobile tanker in the refuelling area as per the method statement. Top-up oil is stored on site in marked containers in large drip trays in the store unit. The mobile tanker was observed on site with drip trays in place.

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• Fuel and oil storage and refuelling sites must be maintained.		During the site visit, 28 August 2018, minor oil spills were observed in and outside the store unit where oil is kept. This area was cleaned up and in a suitable condition during the following site visits.
10. **STOCKPILING & TEMPORARY STORAGE** May only be placed on pre-approved sites, demarcated, stabilised or organised and neat.	N/A	The only stockpiling that will be done is the stockpiling of the plant material that was removed in the stream. No other stockpiling required.
11. **WASTE CONTROL** The contractor is expected to control all construction related waste material and general litter on actual construction sites and its immediate surroundings. • Waste management must be in accordance with the EMP, of acceptable standards, with regular removal of general waste, hazardous waste as well as construction waste (e.g. concrete waste and spoil).	3	General waste and Hazardous was is being maintained as per the method statement. A small oil spill was observed during a site visit, 28 August, but this was cleaned up and not spills were observed during the next visits.
12. **CEMENT MIXING & BATCHING AREAS** Mixing areas must be approved by the ECO, suitably demarcated and may not result in pollution. • Polluted cement water may only be released into sedimentation ponds. • Sedimentation ponds must be maintained and cleaned regularly (and reinstated after use).		Cement mixing is was not necessary to date. Ready mix cement to be supplied to the site. The use of cement will be per the method statement.
13. **CONSTRUCTION VEHICLE MAINTENANCE** Construction vehicles must be in good working order and well maintained to prevent oil and fuel leakages and to reduce noise levels.	4	All in order
14. **HEAVY EARTHMOVING EQUIPMENT** Construction vehicles and equipment may only operate <u>within</u> the demarcated site boundaries (and approved access roads), especially heavy earthmoving vehicles.	4	All in order
15. **DUST CONTROL** Adequate control measures must be in place to prevent dust nuisance or pollution (entrance-, haul roads and exposed surfaces). • Areas of concern must be watered regularly during construction AND periods of strong winds, BUT must take water saving into account.	4	Dust is not an issue on site as the site is kept quite wet for the construction of the dam wall.
16. **EROSION CONTROL** Erosion resulting from works must be controlled. • Temporary and permanent drainage areas must be maintained.	N/A	Erosion is not considered an issue on this site and should be considered when the dam was is constructed

ENVIRONMENTAL ASPECT	RATING	FINDINGS & RECOMMENDATIONS
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• Erosion damage and damage in drainage courses must be reinstated.		
17. **NOISE CONTROL** Effective noise control measures must be in place and acceptable working hours must be kept (deviations must be approval by the ECO).	N/A	Noise control not an issue on this site.
18. **ARCHAEOLOGICAL & HERITAGE FINDS** Should any archaeological or heritage remains be exposed during excavations or any activity on site, these must immediately reported to The site agent/engineer, the ECO HWC or SAHRA.	N/A	No archaeological or heritage finds to date.
19. **METHOD STATEMENTS** Method statements must be submitted and approved before commencement of the works. **Possibly Required:** 1. Demarcation & No-Go Areas (Map) 2. Personnel living-in quarters 3. Road and Traffic Management Plan 4. Clearing of Vegetation and Topsoil 5. Fuel and oil storage and handling 6. Cement mixing 7. Domestic and Hazardous waste plan 8. Rehabilitation **Additional Method Statements** 9. Construction of Dasberg Clay source 2 10. Water supply pond	2	1. In place 2. In place 3. In place 4. In place 5. In place 6. In place 7. In place 8. Still to be conducted These method statements had to, unfortunately, be asked for after these activities already had taken place. It was made clear at the start up meeting that method statements should be in place before such activities take place.
20. **ENVIRONMENTAL CONDUCT** Environmental conduct of construction personnel must be acceptable (e.g. no burning or burying of refuse; no littering and no cement bags or other construction waste material lying around).	4	During the first site visit, a
21. **ENVIRONMENTAL CHECKLIST** The contractor must ensure that the weekly environmental checklist is completed at the end of each week and it must be available at the site offices.	4	In order
22. **REHABILITATION** On completion of the project or phase, all areas impacted by the construction activities must be reinstated and/or rehabilitated to the	N/A	To be done when construction is completed

ENVIRONMENTAL ASPECT	RATING	FINDINGS & RECOMMENDATIONS
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satisfaction of the ECO with emphasis on the following: • Site offices must be removed and the areas rehabilitated or reinstated to the satisfaction of the ECO. • Labourer's facilities must be removed and the areas rehabilitated or reinstated to the satisfaction of the ECO. • All construction site areas must be rehabilitated or reinstated to the satisfaction of the ECO. • All temporary fencing and demarcation must be removed and the areas reinstated to the satisfaction of the ECO. • Temporary storage areas must be rehabilitated or reinstated to the satisfaction of the ECO. • All remaining construction material must be removed and the areas rehabilitated or reinstated to the satisfaction of the ECO. • Any additional disturbed areas must be rehabilitated or reinstated to the satisfaction of the ECO.		
23. **SPOT FINES & PENALTIES** Spot fines and penalties must be recorded and documented by the ECO (in accordance with the EMP).	N/A	Not necessary to date
24. **FIXED POINT PHOTOS** Photographs must be taken by the ECO, Site Engineer and or Site Manager, prior to, during and immediately after construction as visual reference. These photographs must be stored with other records relating to the EMP.	Yes	The ECO is taking site photos with every site visit. For the past 4 site visits, photo records were kept with the weekly checklist.

ECO COMMENTS

During the last site visit, 26 September 2018, Eskom was busy putting up power lines associated with the proposed pump house which is still to be constructed for irrigation purposed.

Although the erection of the power line and pump house does is not form part of the Dasberg Dam application and Environmental Authorisation, these activities are considered associated infrastructure.

Eskom was contacted to ensure the necessary documentation was in place. Mr. Wazeer Essop from Eskom ensured the ECO that the line does not constitute a listed activity in terms of NEMA. A Heritage Screener was conducted and submitted to HWC and HWC granted and approval. The project is considered a minor project. A generic Environmental Management Plan was provided. Mr. Essop also confirmed that the contractor appoints to conduct the work received environmental induction and numerous environmental training courses.

Please find attached:

1. Email correspondence between the ECO and Eskom regarding environmental compliance
2. Layout plans of the power line
3. The Eskom Environmental Management Programme (EMPr)
4. Eskom Environmental Permit and License checklist
5. Response from Heritage Western Cape confirming that the erection of the powerline will not impact on heritage resources.

End of report

ECO
Signat

Inge Erasmus

From: Wazeer Essop <EssopW@eskom.co.za>
Sent: Friday, 28 September 2018 11:47 AM
To: Inge Erasmus
Cc: Abbygail Botha
Subject: RE: Eskom Environmental Method Statement_Portion 5 Farm van der Wattskraal 399
Attachments: DOC000.pdf; BDN233947466_Spanning Sheet 1_2_Rev 2.pdf; BDN233947466 _Spanning Sheet 2_2_Rev 2.pdf; DESD Environmental Man Plan_31.01.2012.pdf; BDN233947464_BDN233947466_WGS.pdf

Good Morning Inge,

I have attached the requisite heritage approval we received from Heritage Western Cape, the overhead line in question is an 11kv line with an approximate length of 578m.

The line does not constitute a listed activity as it does not trigger the EIA listing notices, we have however screened the project and acquired the necessary heritage approval, together with our generic Environmental management plan.

This project is considered a minor project in reference to its reduced scope and complexity, as well as the reduced voltage, that being 11 kilovolts.

I have followed up with the Customer Network Centre and I can confirm that the project in question has been completed recently, the appointed contractor has the requisite training and experience in dealing with projects of this nature. They have also received environmental induction and numerous Environmental Training courses within the Eskom Academy of Learning.

Should there be any other enquiries do not hesitate to contact me.

Regards

Wazeer Essop
Practitioner– Environment & Quality
Land Development – Brackenfell
Distribution
Eskom Ring Road, Brackenfell
PO Box 222,
Brackenfell,
7561
Tel: 021 980 3215
Pax: 8933 3215
Fax: 086 661 8762
***E-mail:* EssopW@eskom.co.za**

Eskom | Powering your world

From: Abbygail Botha
Sent: 28 September 2018 09:08 AM

To: Inge Erasmus
Cc: Wazeer Essop
Subject: RE: Eskom Environmental Method Statement_Portion 5 Farm van der Wattskraal 399

Hi Inge, Wazeer will be able to assist you. He is the environmental Practitioner.

Wazeer, can you kindly please assist Inge.

Regards,
Abbygail

From: Inge Erasmus [mailto:inge@enviroafrica.co.za]
Sent: 28 September 2018 08:11 AM
To: Abbygail Botha
Subject: RE: Eskom Environmental Method Statement_Portion 5 Farm van der Wattskraal 399

Dear Abby

Thank you for this! Can you please send me proof of compliance with NEMA (or exception) from the competent authority (DEADP) ?

Kind regards
Inge

Inge Erasmus

Environmental Consultant
EnviroAfrica cc
p: +27 21 851 1616 m: +27 83 417 0800
f: +27 86 512 0154
a: Unit 7, Pastorie Park, Reitz St, Somerset West, 7130
P.O. Box 5367, Helderberg, 7135
w: www.enviroafrica.co.za e: inge@enviroafrica.co.za

From: Abbygail Botha <BothaAJ@eskom.co.za>
Sent: Friday, 28 September 2018 7:45 AM
To: Inge Erasmus <inge@enviroafrica.co.za>
Cc: Wazeer Essop <EssopW@eskom.co.za>
Subject: RE: Eskom Environmental Method Statement_Portion 5 Farm van der Wattskraal 399

Hi Inge Erasmus, please see attached documentation from our Environment section.

Wazeer Essop was the Environmental Practitioner for this project.

Regards,
Abby

From: Inge Erasmus [mailto:inge@enviroafrica.co.za]
Sent: 27 September 2018 11:09 AM
To: Abbygail Botha
Subject: Eskom Environmental Method Statement_Portion 5 Farm van der Wattskraal 399

Good day

I am the Environmental Control Officer on site for the construction of Dasberg Dam on Portion 3 & 5 of Farm van der Wattskraal 399 for which you are busy putting up an Eskom line to provide electricity to the pump station. Please see the contract that I received from Mr Schalk Viljoen.

I please want to find out if you have some kind of Environmental Documents/ Method Statement for the construction and installation of this powerline? The power line is seen as associated infrastructure to the dam and it is required that all activities on the site be communicated to me (the ECO) and that all staff entering the site undergo environmental induction training. Arrangements should be made between Eskom and the contractor on site for waste management as well.

Kind regards
Inge

Inge Erasmus

Environmental Consultant
EnviroAfrica cc
p: +27 21 851 1616 m: +27 83 417 0800
f: +27 86 512 0154
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P.O. Box 5367, Helderberg, 7135
w: www.enviroafrica.cc.za e: inge@enviroafrica.co.za

NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx

ENVIRONMENTAL MANAGEMENT PROGRAMME

Conditions of Environmental Management Plan to be adhered to during construction and operational phase:

1.1 The Eskom project manager or coordinator shall be responsible for ensuring that the land owners have been informed before any work is carried out on site. Contractors shall find out if the landowners have been informed before moving onto site.

1.2 No infrastructure may be placed with 32 meters of any watercourse (rivers, streams, dams). **(Permit required!!!) If this cannot be avoided, consultation is needed with Department of Water Affairs and an application for a Water Use License (WULA) or General Authorisation. Please contact the Environmental Management Department to provide this service.**

1.3 No Infrastructure may be placed within 500meters of any wetland (seasonal or permanent). **(Permit required!!!) If this cannot be avoided, consultation is needed with Department of Water Affairs and an application for a Water Use License (WULA) or General Authorisation. Please contact the Environmental Management Department to provide this service.**

1.4 No Infrastructure may be placed within 100meters of the high-water mark of the sea or estuary or any river with a saline component (particularly relevant to coastal towns) without an Environmental Authorisation (on completion of EIA process). **Please contact the Environmental Management Department to provide this service.**

1.5 No tree cutting/ clearance/ pruning may be done without identifying the type of tree, identifying whether it is a protected tree or not and/ or whether it is in a forest/ plantation area.
(Permit required!!!) A permit is required if Eskom needs to cut/ disturb any protected tree, champion tree, heritage value tree or any tree in a forest/ plantation area. Please contact the Environmental Management Department to provide this service.

1.6 No fences, gates or locks shall be damaged to obtain access onto a line route. Arrangements shall be made in advance to obtain permission for access.

1.7 Use of private roads shall be arranged in advance. Any damage to private roads shall be repaired at the contractor's expense and to the satisfaction of the landowner. This shall be the responsibility of the project manager or coordinator.

1.8 Gates shall be left as they are found, i.e. closed gates shall be kept closed and open gates shall be left open. Gates to adjacent properties or onto public roads shall be closed at all times. Any Eskom gates installed on the line route shall be kept closed and locked except while stringing is taking place. Open gates shall be guarded to prevent animals straying and unauthorised persons and vehicles entering into adjacent camps or properties.

1.9 Permission shall be obtained from landowners before any water is used.

1.10 No fires shall be lit on private property. If fires are lit on Eskom's property or in the construction camp, provision shall be made that no accidental fires are started. No firewood shall be collected in the veld.

1.11 If activities that can cause a fire are carried out, fire extinguishers shall be available on site and in the construction camp.

1.12 No property may be accessed after normal working hours except with the permission of the landowner. Privacy shall be respected at all times.

1.13 Eskom, Eskom's contractors and their employees shall at all times be courteous towards landowners, tenants and the local community.

1.14 Eskom, Eskom's contractors and their employees shall not cause damage to property, crops or animals. Activities that may cause conflict with landowners, tenants, the local work force or the local community shall be avoided. Should conflict arise it shall be immediately reported to the Eskom project manager or coordinator.

1.15 Vehicles shall be driven at a moderate speed on private roads and stay within the statutory speed limit on public roads.

1.16 All movement of vehicles shall take place on the established Eskom servitude road or on private roads as agreed in advance. Keep to existing tracks. No movement shall take place through the veld.

1.17 Special care shall be taken to prevent excess damage during wet weather.

1.18 If any vehicle should get stuck, the damage shall be repaired immediately so that no deep ruts remain.

1.19 Any damage to private property shall immediately be reported to Eskom and the owner. The damage shall be rectified immediately if possible and/or appropriate compensation shall be paid to the owner at the discretion of the project manager/coordinator in consultation with the property owner. A record of damages and rectifying action shall be kept. The landowner's satisfaction with the outcome of rectifying action shall be obtained in writing.

1.20 A proper system of waste management shall be instituted in the construction camp. This entails that sufficient waste bins are available on site and in the construction camp. The waste shall be dumped at an approved waste disposal site. No containers, scrap metal, conductor etc. shall be left on site. All scrap shall be removed and taken to an appropriate disposal site. No oil, diesel or other chemicals shall be spilled or discarded anywhere. If an accidental spill occurs, it shall be reported immediately and cleaned to the satisfaction of Eskom and the landowner. No waste shall be left in the veld or on the line route.

1.21 Washing and toilet facilities shall be provided on site and in the construction camp. The facilities shall comply with Eskom standards and shall have the approval of the landowner.

1.22 Herbicides shall only be applied with Eskom's permission and in accordance with the Eskom Policy on Herbicides ESKPBAAD4.

1.23 Camp and office sites shall be dismantled and removed after completion of the construction phase of the project. The site shall be rehabilitated to as close as possible to its original condition to the satisfaction of the landowner, which shall be in writing.

1.24 All excavations shall be enclosed to prevent animals or people from accidentally falling into excavations.

1.25 No trees shall be cut or removed without prior permission from the landowner. Permits shall be

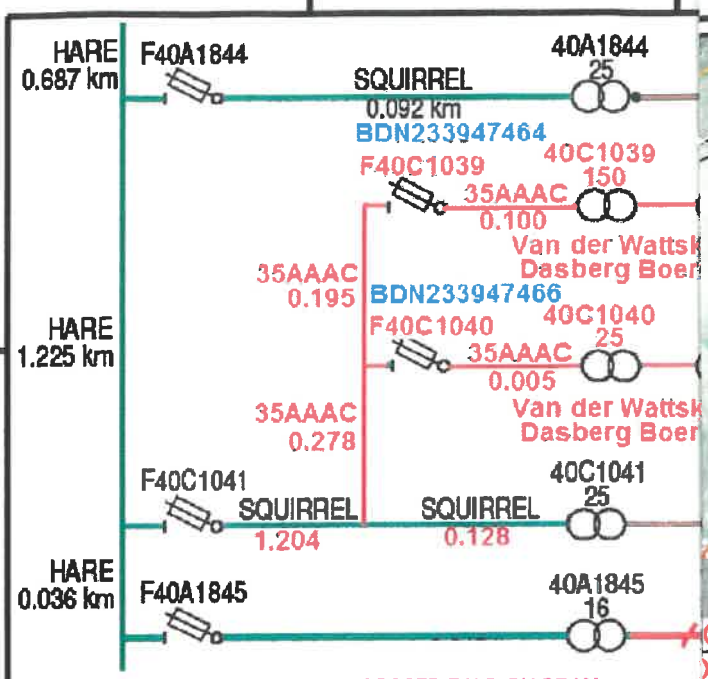
obtained for the cutting and removal protected trees (protected trees shall be dealt with in 2, **Special conditions**)

1.26 Should any natural heritage object be found, or exposed during excavations, all work shall be terminated immediately and the finding reported to the Project Manager who shall inform the Eskom Environmental Practitioner and the SAHRA.

ADDITIONAL SITE SPECIFIC CONDITIONS:

The Distribution Environmental Screening Document (DESD) for the above project is approved subject to compliance to the conditions of the Environmental Management Plan attached and the site specific conditions below:

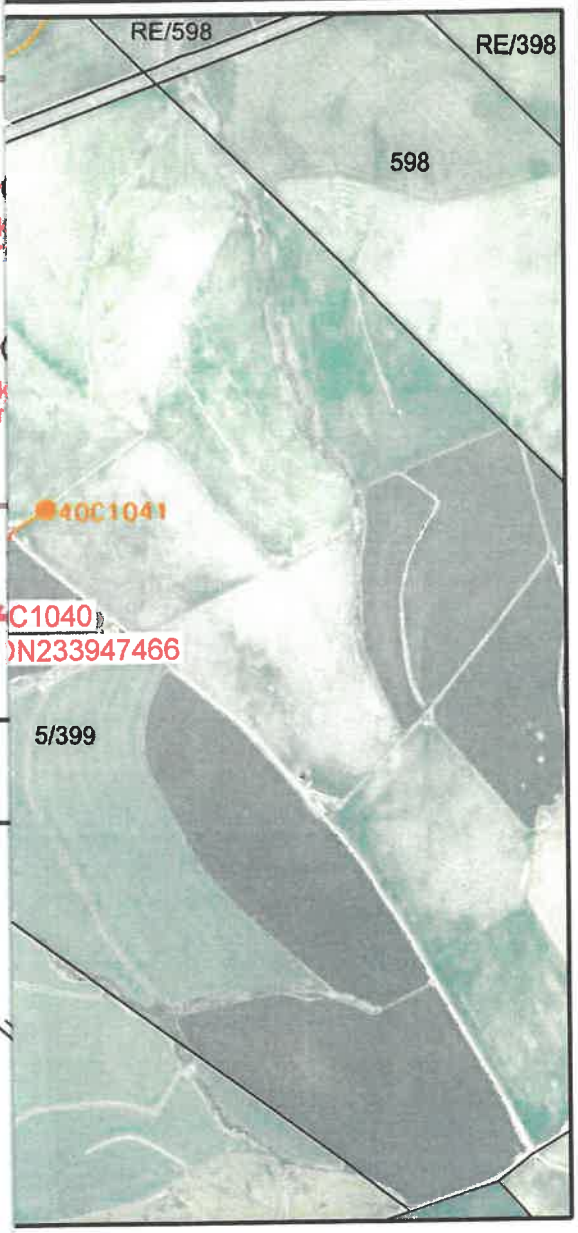
RECOMMENDED FOR COMPLIANCE AUDITING DURING CONSTRUCTION? YES ☐ N/A ☐



NB: THIS IS ONLY A PROPOSED E.N.S. DIAGRAM AND SHOULD NOT BE USED. DEPOT TO FINALISE FUSE POSITION BEFORE COMMISSIONING.

RIVIERSONDEREND F2
SHEET 1 OF 2

25kVA & 150kV TRFRS.
±578m 11kV O/H 35AAAC CONDUCTOR



EXISTING 11kV
OVERHEAD LINE

PROPOSED 11kV
OVERHEAD LINE

5/399

40C1039

PROPOSE
(BDN233

ALL CABLE P
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RFR No's: 40C1039 40C1040
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CHKD	AUTH	DATE	

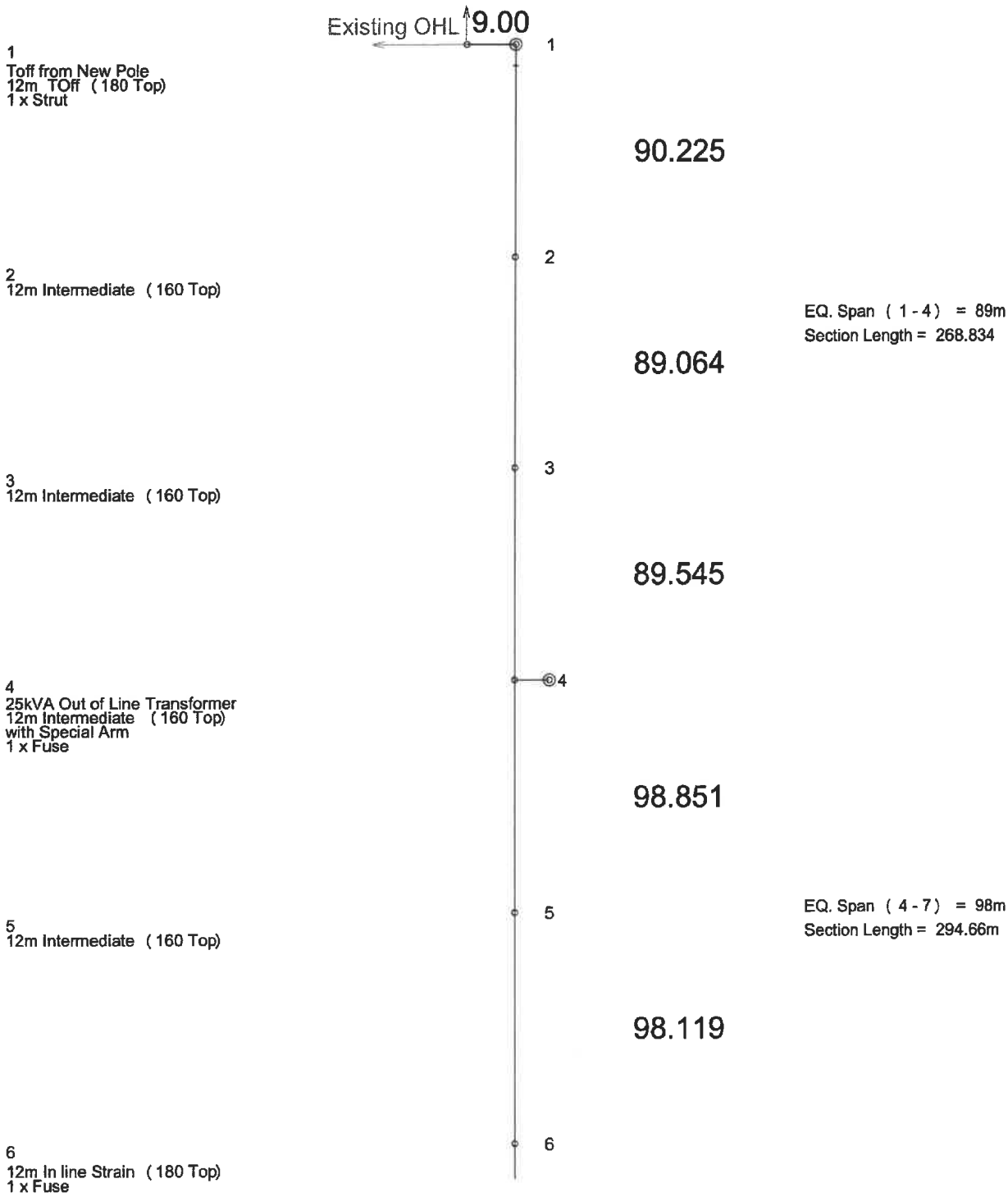
VAN DER WATTSKRAAL
Y
LINE & TRFRS

BDN233947464, BDN233947466

	SET	SHEET	REVISION
4	02	00	0

A3L

CONDUCTOR: 35AAAC
ALL POLES ARE 12m A-FRAME
180mm TOP DIAM, UNLESS OTHERWISE STATED



Scale 1:2500

Sheet Length 465.626
Prog Length 465.626
Sheet 1 of 2

BDN233947466

RIVERSONDEREND F2

SURVEYED BY : A. BOTHA

REVISION HISTORY
Revision 0 : 10 April 2018
Revision 1 : 18 April 2018
Revision 2 : 20 July 2018

Rev
2

CONDUCTOR: 35AAAC
ALL POLES ARE 12m A-FRAME
180mm TOP DIAM, UNLESS OTHERWISE STATED

6
12m Intermediate (180 Top)
1 x Fuse

EQ. Span (4 - 7) = 98m
Section Length = 294.838m

97.868

7
150kVA Transformer
12m Strain (180 Top)
2 x Stays

Scale 1:2500

Sheet Length 97.868
Prog Length 563.672
Sheet 2 of 2

BDN233947466

RIVERSONDEREND F2

SURVEYED BY : A. BOTHA

REVISION HISTORY
Revision 0 : 10 April 2018
Revision 1 : 18 April 2018
Revision 2 : 20 July 2018

Rev
2

ILifa leMveli leNtshona Koloni
Erfenis Wes-Kaap
Heritage Western Cape

RGISTERED POST

Our Ref:	HM/THEEWATERSKLOOF MUNICIPALITY/RIVIERSONDEREND/ FARM NO.399 PTN 5 VAN DER WATTS KRAAL
Case No.:	18062909TZ0713E
Enquiries:	Thando Zingange
E-mail:	Thando.Zingange@westerncape.gov.za
Tel	021 483 9598
Date:	27 July 2018

Abbygail Botha
P.O BOX 21
Plaas Van der Wattskraal
Riviersonderend
Theewaterskloof
7250

RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP: FINAL
In terms of Section 38(2) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

NOTIFICATION OF INTENT TO DEVELOP: THE PROPOSED CONSTRUCTION OF AN OVERHEAD POWERLINE AND TRANSFORMERS, FARM NO.399 PORTION 5 VAN DER WATTSKRAAL, RIVIERSONDEREND, SUBMITTED IN TERMS OF SECTION 38(1) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 18062909TZ0713E

The matter above has reference.

Heritage Western Cape is in receipt of your application for the above matter received on 13 July 2018. This matter was discussed at the Heritage Officers meeting held on 24 July 2018.

You are hereby notified that, since there is no reason to believe that the proposed construction of an overhead powerline and transformers, Farm NO.399 Portion 5 Van der Wattskraal, Riviersonderend will not impact on heritage resources, no further action under Section 38 of the National Heritage Resources Act (Act 25 of 1999) is required.

However, should any heritage resources, including evidence of graves and human burials, archaeological material and paleontological material be discovered during the execution of the activities above, all works must be stopped immediately and Heritage Western Cape must be notified without delay.

This letter does not exonerate the applicant from obtaining any necessary approval from any other applicable statutory authority.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number.

Yours faithfully

pp .....
Dr Mxolisi Dlamuka
Chief Executive Officer, Heritage Western Cape

Street Address [illegible] • Postal Address [illegible]
• Tel [illegible] • E-mail [illegible]

Straatadres [illegible] • Posadres [illegible]
• Tel [illegible] • E-pos [illegible]

Eskom	ENVIRONMENTAL PERMIT & LICENSE CHECKLIST FOR ALL PROJECTS	Template Identifier	240-43921898	Rev	1
		Document Identifier	WFM/LD-4.3.2/001	Rev	1
		Authorisation Date	30-May-13		
		Review Date	30-May-16		

HANDOVER DOCUMENT:

PERMITS AND LICENSES ASSOCIATED WITH NEW ESKOM Dx 11-132 kV PROJECTS AND MAINTENANCE PROJECTS REQUIRING ENVIRONMENTAL PERMITS AND LICENCES

PROJECT NUMBER: BDN233947466
PROJECT NAME: Van Der Watts Kraal

NEW PROJECTS (A-J)

A) National Environmental Management Act (Act 107 of 1998)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
24	Is this a **listed activity** according to the Environmental Impact Assessment, NEM: BA or Waste regulations?	N	Have you submitted an application to DEA or the relevant conservation authority?	Y N	Has the Environmental Authorisation been obtained?	Y N
30	Is this activity being carried out under an **emergency?**	N	Has an application been submitted to DEA	Y N		

B) National Water Act (Act 36 of 1998)

Section	Description	Y/N	If Yes [Land Development]	Project Management

	Is this activity taking place within the 1:100 year flood line or **100** meters from a watercourse?	Y	Have you applied for a General Authorisation or water use license from DWA?	Y N	Has the authorisation been obtained?	Y N
21 (c)	Can this activity be deemed to **divert the flow of water in a watercourse**?	N	Have you applied for a General Authorisation or water use license from DWA?	Y N	Has the authorisation been obtained?	Y N
21 (i)	Can this activity be deemed to be **altering the bed, banks, course or characteristics of a watercourse** (e.g. wetlands, rivers, springs etc)?	N	Have you applied for a General Authorisation or water use license from DWA?	Y N	Has the authorisation been obtained?	Y N

C) National Heritage Resources Act (Act 25 of 1999)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
34	Are you likely to disturb any **structure that is older than 60 years**, **archaeological** or **palaeontological** site or any **meteorite or grave**?	N	Have you applied for a license from the applicable heritage authority?	Y N	Has the license been obtained?	Y N
38	Is the power line or access road **longer than 300m**?	Y	Has the applicable heritage authority been notified and recommendations complied with?	Y N	Has permission, if required, been obtained?	Y N

D) National Forests Act (Act 84 of 1998)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
7	Are you likely to cut, disturb, damage or destroy any indigenous, living tree in, or remove or receive any such tree from, a **natural forest**?	N	Have you applied for a license from the regional Department of Agriculture, Forestry and Fisheries?	Y N	Has the license been obtained?	Y N
10	Are you likely to cut, disturb, damage or destroy any forest produce in, or	N	Have you applied for a license from the regional	Y	Has the license been obtained?	Y

	remove or receive any forest produce from, a **protected area?**		Department of Agriculture, Forestry and Fisheries?	N		N
15	Are you likely to cut, disturb, damage, destroy or remove any protected tree or collect, remove, transport, export, purchase, sell, donate any **protected tree?**	N	Have you applied for a license from the regional Department of Agriculture Forestry and Fisheries	Y N	Has the license been obtained?	Y N
23	Are you likely to cut, disturb, damage or destroy any forest produce in, or remove or receive any forest produce from, a **State forest**?	N	Have you applied for a license from the regional Department of Agriculture, Forestry and Fisheries?	Y N	Has the license been obtained?	Y N
GN1132	Are you likely to encounter a **champion tree**?	N	Have you applied for a permit from the regional Department of Agriculture Forestry and Fisheries	Y N	Has the permit been obtained?	Y N

E) Mineral Resource Development Act (Act 28 of 2002)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
	Do you need to obtain material from a **borrow pit**?	N	Have you applied for a permit from the regional Department of Mineral Resources?	Y N	Has the license been obtained?	Y N

F) National Environmental Management: Protected Areas Act (Act 57 of 2003)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
45, 46 and GN1061	Have you obtained permission to **access** a special nature reserve, nature reserve, national park or world heritage site?	N	Have you applied for access from SANParks or the management authority?	Y N	Has the license been obtained?	Y N
49 and GN1061	Is this a **restricted activity** according to the NEM: PA regulations?	N	Have you applied for a permit to perform a restricted activity from the	Y	Has the permit been obtained?	Y

			management authority?	N		N

G) National Environmental Management: Biodiversity Act (Act 10 of 2004)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
52, 53 and 57	Is this a restricted activity involving a listed threatened or protected ecosystem or species?	N	Have you applied for authorisation to perform a restricted activity from the management authority?	Y N	Has the authorisation been obtained?	Y N

H) National Environmental Management: Integrated Coastal Management Act (Act 24 of 2008)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
63	Is this a coastal activity requiring environmental authorisation in terms of Chapter 5 of the NEMA?	N	Have you applied for authorisation to perform a restricted activity from the DEA?	Y N	Has the authorisation been obtained?	Y N

I) Provincial Legislation - Cape Nature and Environmental Conservation Ordinance (Act 19 Of 1974)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
14	Are you likely to destroy flora in a provincial or local nature reserve?	N	Have you applied for a permit from the local authority?	Y N	Has the permit been obtained?	Y N
63	Are you likely to damage or destroy any endangered, protected or indigenous unprotected flora?	N	Have you applied for a permit from the local authority?	Y N	Has the permit been obtained?	Y N

J) Provincial Legislation – Northern Cape Nature Conservation Act (Act 9 Of 2009)

Section	Description	Y/N	If Yes [Land Development]	Project Management

49 – 51	Are you likely to damage or destroy any specially protected, protected or indigenous **flora**?	N	Have you applied for a permit from the local authority?	Y N	Has the permit been obtained?	Y N

OPERATION AND MAINTENANCE PROJECTS (A-B).

A) National Environmental Management Act (Act 107 of 1998)

Section	Description	Y/N	If Yes [Land Development]		Project Management/Field Services
30	Is this activity being carried out under an **emergency?**		Has an application been submitted to DEA?	Y N	Was a receipt of notification received or proposed measures for rectification/rehabilitation undertaken?

B) National Forests Act (Act 84 of 1998)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
7	Are you likely to cut, disturb, damage or destroy any indigenous, living tree in, or remove or receive any such tree from, a **natural forest**?		Have you applied for a license from the regional Department of Agriculture, Forestry and Fisheries?	Y N	Has the license been obtained?	Y N
10	Are you likely to cut, disturb, damage or destroy any forest produce in, or remove or receive any forest produce from, a **protected area?**		Have you applied for a license from the regional Department of Agriculture, Forestry and Fisheries?	Y N	Has the license been obtained?	Y N
15	Are you likely to cut, disturb, damage, destroy or remove any protected tree or collect, remove, transport, export, purchase, sell, donate any **protected tree?**		Have you applied for a license from the regional Department of Agriculture Forestry and Fisheries	Y N	Has the license been obtained?	Y N

23	Are you likely to cut, disturb, damage or destroy any forest produce in, or remove or receive any forest produce from, a **State forest**?		Have you applied for a license from the regional Department of Agriculture, Forestry and Fisheries?	Y N	Has the license been obtained?	Y N
GN1132	Are you likely to encounter a **champion tree**?		Have you applied for a permit from the regional Department of Agriculture Forestry and Fisheries	Y N	Has the permit been obtained?	Y N

B) National Water Act (Act 36 of 1998)

Section	Description	Y/N	If Yes [Field Services]		Project Management/ Field Services	
21 (c)	Can this activity be deemed to **divert the flow of water in a watercourse (e.g. repairing a cable)**?		Have you applied for a water use license from DWA?	Y N	Has the license been obtained?	Y N
21 (i)	Can this activity be deemed to be **altering the bed, banks, course or characteristics of a watercourse** (e.g. wetlands, rivers, springs etc)?		Have you applied for a water use license from DWA?	Y N	Has the license been obtained?	Y N

C) National Environmental Management: Protected Areas Act (Act 57 of 2003)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
49 and GN1061	Is this a **restricted activity** according to the NEM: PA regulations?		Have you applied for a permit to perform a restricted activity from the management authority?	Y N	Has the permit been obtained?	Y N

D) National Environmental Management: Biodiversity Act (Act 10 of 2004)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
52, 53 and 57	Is this a restricted activity involving a listed threatened or protected ecosystem or species?		Have you applied for authorisation to perform a restricted activity from the management authority?	Y N	Has the authorisation been obtained?	Y N

E) Provincial Legislation - Cape Nature and Environmental Conservation Ordinance (Act 19 Of 1974)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
14	Are you likely to destroy flora in a provincial or local nature reserve?		Have you applied for a permit from the local authority?	Y N	Has the permit been obtained?	Y N
63	Are you likely to damage or destroy any endangered, protected or indigenous unprotected flora?		Have you applied for a permit from the local authority?	Y N	Has the permit been obtained?	Y N

F) Provincial Legislation – Northern Cape Nature Conservation Act (Act 9 Of 2009)

Section	Description	Y/N	If Yes [Land Development]		Project Management	
49 – 51	Are you likely to damage or destroy any specially protected, protected or indigenous **flora**?		Have you applied for a permit from the local authority?	Y N	Has the permit been obtained?	Y N

COMMENTS

CLOSE PROXIMITY TO A DRAIINAGE CHANNELL, NO DIRECT IMPACTS ENVISAGED. NID IS REQUIRED, APPLICATION HAS BEEN LODGED, NO RESPNSE AS YET. Released on Risk.

Signed by:WAZEER ESSOP **Date:** 29/06/2017 **Designation:** Officer Environment and Quality

Eskom	DISTRIBUTION ENVIRONMENTAL SCREENING DOCUMENTS (DESD) RATIFICATION AND CONDITIONS OF APPROVAL	Unique Identifier	
		Revision	Rev. 0
		Land Development & Environment	

PROJECT NR:	BDN233947466	DESD COMPILER:	A. Botha
RATIFICATION DATE:	29/06/2017	RATIFIED BY:	Wazeer Essop

DESD Approved (subject to generic EMP conditions)	X	DESD Approved (Subject to generic EMP plus additional site specific conditions)	
DESD needs revision (poor info, poor quality, too little info, etc)		Rejected with Reasons (see comments section)	
Additional Information needed/ Site visit required to Ratify		Project triggers a listed activity (ito NEMA EIA Regs 2010) and needs to EIA prior to commencement	
Project needs Water Use Licence Applications (WULA) (where infrastructure within 500m of wetland, within 32m of river/ stream bank, cabling through river, etc)		Project triggers consultation with and/or application to Heritage Authority for permit, protected trees cutting permit, consultation with EWT re wildlife impact. (see comments)	x

COMMENTS: Heritage approval sought, released on risk due to delay in approval of NID Application.

ADDITIONAL SITE SPECIFIC CONDITIONS:

The Distribution Environmental Screening Document (DESD) for the above project is approved subject to compliance to the conditions of the Environmental Management Plan attached and the site specific conditions below:

RECOMMENDED FOR COMPLIANCE AUDITING DURING CONSTRUCTION? YES ☐ **N/A** ☒

For any clarity/ questions please contact:

Justine Wyngaardt at (021) 980 3112 (Pax 8933)

Wyngaajo@eskom.co.za

0022E

24.02.2006

Eskom

AREA: **SWELLENDAM RD**	PROJECT NO. : **BDN233947466**
FEEDER: **RIVERSONDEREND F2**	
SUPPLY TO: **DASBERG BOERDERY**	
ESKOM REPRESENTATIVE: **ABBYGAIL BOTHA**	TEL: **021 980 3810**
DISTRIBUTION	EMAIL: **BothaAJ@eskom.co.za**

WAY LEAVE AGREEMENT
OVERHEAD POWER LINE/UNDERGROUND CABLE(S)

I/We, the undersigned (full names)

✘..... ... **SCHALK WILLEM VILJOEN**..... .....

(* If Company/CC/Trust, complete capacity of authorised persons)

✘ In my capacity as ..... **OWNER**.....of **PORTION 5 OF THE FARM VAN DER WATTS KRAAL A NO. 399**

✘Address: Posbus 21, Plaas Van der Wattskraal, Riviersonderend

..... Postal Code 7250

✘ Tel No.: 083 441 9471

being the **REGISTERED OWNER/S** and

(hereinafter referred to jointly or individually as the "Owner) of the following property/properties:

PORTION 5 OF THE FARM VAN DER WATTS KRAAL A NO. 399

situate in the Administrative District of **SWELLENDAM RD** held by virtue of Title Deed numbers **T109803/1998** extents **631.1316H**

(hereinafter referred to as the "Property") hereby grant/s to Eskom Holdings SOC Limited, Registration Number 2002/015527/30, its successors in title, assignees, licensees, (hereinafter referred to as "Eskom") an irrevocable right of way leave in perpetuity free of charge to transmit electricity over the property.

1. The right of WAY LEAVE shall be binding on the Owner, its heirs, assignees and successors in title and shall include the following rights in favour of Eskom:
   - 1.1 the right to erect an overhead power line/underground cable(s) together with such structures, works, appliances, apparatus, conductors and overhead cables ("works") on the property or to erect or lead such conductors or appliances or other equipment on, under or over the property substantially on the route as indicated by the letters **A,B,C,D** on the sketch attached hereto, as may at any time be necessary or convenient in exercising the right of way leave for overhead power line(s) / underground cable(s) (hereinafter together with the restriction area referred to in 3.1, referred to as the "Servitude Area").
   - 1.2 the right to enter and be upon the property at any time in order to construct, erect, operate, use, maintain, repair, re-erect, remove, alter or inspect the structures, works, appliances, apparatus, conductors or cables ("works") on the property, or in order to gain access to any adjacent properties in the exercise of similar rights.
   - 1.3 the right to have access to and egress from the power lines and the right to use existing roads giving access to and egress from the property or roads running across the property and gates on the property and to erect in any fence such gates as may be necessary or convenient to gain access to and egress from any power line/underground cable or accessory equipment.
   - 1.4 the right to remove any trees, bush, grass, material or structures within the restricted area defined in clause 3 hereof and the right to cut or trim any trees in order to comply with the restrictions referred to in clause 3 hereof, after consultation with the land owner/s.

✘ ...

2. Eskom shall exercise its rights subject to the following terms and conditions -
   2.1 Eskom shall ensure that any gates used by its personnel shall be kept closed.
   2.2 Eskom shall pay compensation:
      2.2.1 where damage is caused intentionally to any property by Eskom, its employees or contractors, to enable Eskom to use or continue to use the servitude area for its intended purpose.
      2.2.2 where damage or injury is caused by any negligent act or omission on the part of Eskom, its employees or contractors;
3. The following special restrictions are placed on the use of the property namely -
   3.1 No building or structure may be erected or installed above or below the surface of the ground, neither may any material which might endanger the safety of this power line/underground cable be placed within **9 (NINE)** metres of the centre line of this power line/underground cable without the prior written permission of Eskom.
   3.2 No tree shall be planted within the servitude area.
   3.3. No tree which will grow to a height in excess of the horizontal distance of that tree from the nearest conductor of any power line shall be planted within the vicinity of the power line
   3.4. No material which may in the opinion of Eskom endanger the safety of any transmission line shall be placed within the servitude area.
   3.5. No mining activities or blasting operations shall be permitted within 500 metres of any power line/underground cable without the prior written permission of Eskom.
4. The right of way leave hereby granted to Eskom -
   4.1 shall be binding on the heirs, assignees and successors in title of the owner.
   4.2 shall be brought in writing to the attention of any purchaser or transferee of the property (or of any portion of the property) by the owner or the seller (at that time) of the property before the property (or any portion thereof) is sold and/or transferred to such purchaser or transferee.
   4.3 shall, if Eskom so requests, be incorporated into a notarial deed of servitude and be registered against the title deed under which the property is held; on Eskom's costs the owner and/or its heirs, assignees and successors in title shall perform all necessary actions and sign all necessary documents to achieve the notarial execution and registration (in the office of the Registrar of Deeds) of a deed of servitude, as envisaged above.

5. Remarks / Special Conditions:
   .....
   .....

× Signed at ...Riversonderend..... on this ....22..... day of .....June..... **2018**

AS WITNESSES:

× 1. .....

× 2. .....

× .....
REGISTERED OWNER(S)/PURCHASER/
LESSEE/USUFRUCTUARY/HEIR/
OCCUPANT*/SPOUSE IF MARRIED IN
COMMUNITY OF PROPERTY

Signed at ..... on this..... day of **2018**

AS WITNESSES:

1. .....

2. .....

.....
REGISTERED OWNER(S)/PURCHASER/
LESSEE/USUFRUCTUARY/HEIR/
OCCUPANT*/SPOUSE IF MARRIED IN
COMMUNITY OF PROPERTY

Signed at ..... on this ..... day of **2018**

AS WITNESSES:

1. .....

2. .....

.....
for and on behalf of
ESKOM HOLDINGS SOC LIMITED

(* Delete whichever is not applicable)

Eskom	WCOU DISTRIBUTION ENVIRONMENTAL SCREENING DOCUMENT (DESD) TEMPLATE	WESTERN CAPE OPERATING UNIT

Project Name and Number:	BDN233947466
Location:	Riversonderend
Customer Network Centre:	Bredasdorp CNC
Date DESD Completed:	11 April 2018
DESD Completed by:	☑ **Engineering Surveyor** ☐ **Environmental Practitioner** ☐ **Environmental Advisor** ☐ **Customer Exec/ Advisor** **Other:** .....
DESD Form completed by.....A. Botha..... **(Name & Surname)** **In consultation with :** Schalk Viljoen **CAPACITY (e.g. land owner, specialist):** Land owner/Trustee	Signature: ..... Signature: .....
Accepted by Land Owner/s/Users ..... *(Declaration by Land Owner/ User/ Manager) I have seen the completed document and accept the recommendations made.*	Signature: .....

SECTION A: PROJECT SCOPE AND ADDITIONAL INFORMATION

1. PROPERTY INFORMATION (PLEASE COMPLETE IN FULL)

Area/ Town:	Riversonderend		
Municipality:	Theewaterskloof Munic.		
Rural Scheme Feeder:	Riversonderend F2		
Voltage:	11kV		
Supply from (Scheme name, pole numbers for tee-off):	40 C 1041		
Erf or Farm Name and Nr etc. (property for which application is made)	5/399 Von der Watts kraal		
Street Address (e.g. Off R44, Stellenbosch):	off N2		
GPS Coordinates of Property (A logical centre point. Format based on WGS84):	96534.381 (Y) - 3778577.998 (X)		
Extent of Property (Hectares):	631.1316H		
Land Use (e.g. Agricultural, Residential, Industrial, etc.):	Agricultural		
Land Owners Telephone Nr:	(Home)	(Cell) 0834419471	(Fax)
Land Owners Email Address:	schalk@whalemail.co.za		
Total Length of Line (m)	± 570		

2. PROPERTIES TRAVERSED

Farm Name:			
Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		**Line Length (m):**	
Farm Name:			
Farm Number (Registration Nr, Division and Sub-division):			
GPS Coordinates of Property (A logical centre point. Format based on WGS84):		**Line Length (m):**	

3. PROJECT SCOPE AND SUPPLEMENTARY INFORMATION

Give a brief description of the project scope, including all activities anticipated:				
Will the power line/ cable be 300m or longer? (Y/N)	YES	X	NO	
Will the line be near any or affect any old structures or buildings or known historical towns.	YES		NO	X
Are there any marked or unmarked graves on the route/ or on site?	YES		NO	X
Will any planned activity or infrastructure be within 100meters of a watercourse (rivers/ streams/ dams)?	YES	X	NO	
Is any portion of the power line or cable or any other infrastructure within 32m of a watercourse/ wetland?	YES		NO	X
Will any planned activity or infrastructure be within 500meters of a wetland (seasonal and permanent)?	YES		NO	X
Is any portion of the power line or proposed activity within 100m of the high-water mark of the sea/ estuary/ lagoon?	YES		NO	X
Is any property affected a nature reserve or conservancy?	YES		NO	X
Will the power line be going through or adjacent to a forest/ plantation area?	YES		NO	X
Will any portion of project be cabled through veld/ natural vegetation?	YES		NO	X
Will any portion of project be cabled through a river-bed/ stream?	YES		NO	X
Are new access roads/ tracks needed to maintain & operate the power line?	YES		NO	X
Are there any protected trees/ heritage trees along the power line or close to it? (Owner might know)	YES		NO	X
Will natural/ indigenous vegetation have to be removed prior to construction?	YES		NO	X
Did you observe any evidence of wildlife in close proximity to the power line? For example, birds, nests, giraffe, elephants, etc.	YES		NO	X
Will the activity require sewerage connection or discharge?	YES		NO	X
Will the activity require the installation (permanent or temporary) of a septic tank/ soak away/ french drains/ ventilated pit latrine?	YES		NO	X
Will any large amount of waste have to be disposed of?	YES		NO	X
Will the activity generate any hazardous waste that will have to be disposed of? Specify:	YES		NO	X

SECTION B: ENVIRONMENTAL IMPACT SCREENING

TOPOGRAPHY					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Flat	X	Unstable rocky or steep slopes		Difficult to construct in area	
Ridgeline		Erosion present on site		Erosion	
Mountainous/ Side slope of hill/ mountain		Steep slopes with loose soil		Difficult vehicular access	
Undulating plain/ low hills		Rocky outcrops		New access roads needed	
Dune (In-land or Coastal)		Dolomite, sinkhole or doline areas		Seasonal dune movement (Impact on clearance)	
Sea-front		Any other unstable soil or geological feature		Other (Specify):	
Valleys/ Ravine/ Donga		Other (Specify):			
Other (Specify):		N/A	X		

VISUAL AESTHETICS			
Aspect (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Easily Seen	X	Infrastructure will be obtrusive in landscape (not fit in)	
Hidden Partially		Objection by members of public/ interest group/ owners	
Hidden Completely		Negatively impact on a business (e.g. Tourism)	
Other (Specify):		Other (Specify): NA	X

SOIL					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Sandy		Unstable rocky or steep slopes		Contamination of soil with concrete and cement	
Rocky		Saturated/ wet soils/ shallow water table		Compaction of soil due to driving	
Clayey	X	Sensitive to erosion or evidence of erosion in the area		Erosion	
Other (Specify):		N/A	X	N/A	X

LAND USE, COMMERCIAL & OTHER INFRASTRUCTURE			
Aspect (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Agriculture / Farm lands (Crops, Orchards, Grazing, etc.) Please Specify:	X	Objection by members of public/ interest group/ owners	
Forestry Area		Negatively impact on a business (e.g. Tourism)	
Mining Activity (including sand mining): Please specify:		Impact on centre pivots or other farming/ mining implements	
Factories/ Shops/ Industrial (Please specify):		Threat of encroachment with or contact(Safety risk/ clearance)	
Road Crossings or near main roads (National Roads, etc.)		Construction limited to specific season/ time period	
Other infrastructure (e.g. Railways, communication towers, existing power lines, sewer, water pipes, cables) Please specify:		Loss of orchards, crops, etc.	
Air fields, landing strips/ wind turbines (Please specify):		Other (Specify): NA	X

FAUNA					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Birds (Specify if you can identify type, e.g. vulture, eagle, blue crane, raptor):		Bird nests present		Threat of electrocution	
Mammals		Game (Giraffe, Elephants, etc)		Threat of collision	
Other (Specify): No		Other (Specify):		Other (Specify):	

GROUNDCOVER AND FLORA					
Aspect (Mark with an 'X' if applicable)		Present Condition (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Natural Vegetation	X	Natural veld in good condition	X	Contamination of ground due to driving during construction	
Alien Vegetation		Natural veld with scattered aliens		Trampling and loss of natural vegetation due to driving and walking over it	
Bare Soil		Natural veld with heavy alien infestation		Fire risk	
Other (Specify):		Thick bush		Erosion risk	
		Gardens/ Sport fields		Vegetation clearance is required for construction and maintenance	
		Paved/ hardened Surface		Other (Specify): NA	X

NATURAL HERITAGE			
Aspect (Mark with an 'X' if applicable)		Potential Impact (Mark with an 'X' if applicable)	
Area of cultural significance		Infrastructure will be obtrusive in landscape (not fit in)	
Known Archaeological objects present on site		Objection by members of public/ interest group/ owners	
Known Palaeontological objects present on site		Negatively impact on a business (e.g. Tourism)	
Monuments		Threat of encroachment	
Graves		Direct impact (e.g. Cutting of heritage trees, etc.)	
Meteorites		Require permits/ other special permission	
Ruins/ Old buildings (structures older than 60 years)		Deface/ damage to heritage resource	
Windbreak Trees/ Trees with heritage significance/ Trees registered as a heritage resource/ national champion tree		Objection by public/ interest group	
Other (Specify):		Other (Specify):	

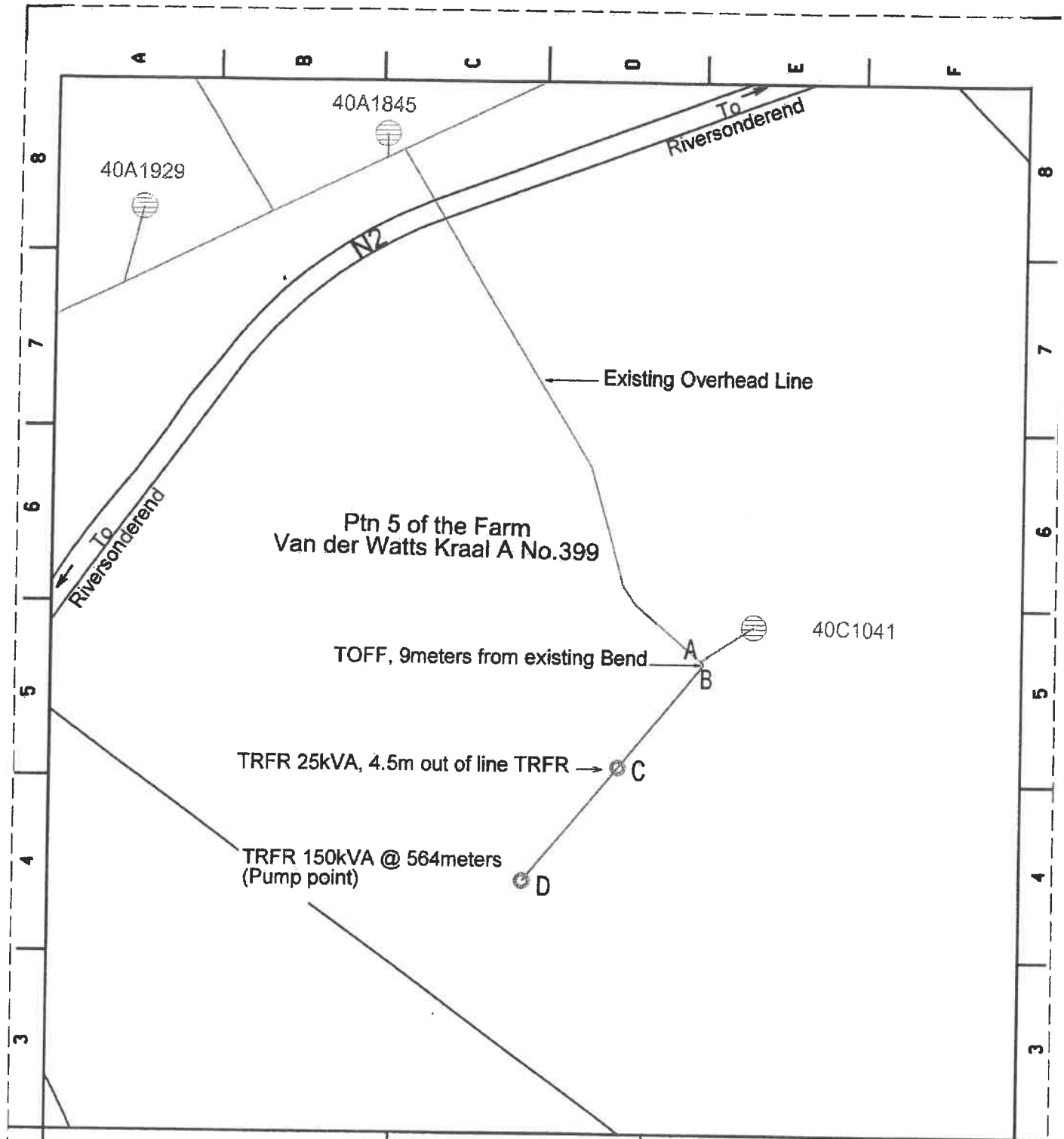
IMPACT OF PROJECT

Rate the potential impact of the project on the following elements – Mark with an 'X'				
ELEMENT	**N/A**	**Low**	**Medium**	**High**
Water Resources		X		
Soil		X		
Topography		X		
Groundcover and Flora		X		
Fauna		X		
Restricted Areas		X		
Visual Aesthetics		X		
Natural Heritage		X		
Land Use, Commercial and other Infrastructure		X		

ADDITIONAL COMMENTS/ MITIGATING MEASURES:

* New 11kV O/H Line of ±570m for 25kVA connection aswell as a 150kVA TRFR point & pump point. New dam will be built; New offices to be built.

New dam could attract Birds - Bird Flappers to be considered.



POWER LINE ROUTE AS INDICATED

Eskom Distribution

KRAGLYN ROETE SOOS AANGEDUI

BDN233947466

PROJECT NO / PROJEK NR

DATE / DATUM

ESKOM

WITNESS / GETUIE

N

DEPT. LAND DEVELOPMENT

TEL 021-980 3129 FAX 021-980 3053

X

OWNER / EIENAAR

WITNESS / GETUIE

SIZE A4P