

CITY OF MBOMBELA

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**OFFICE OF THE GENERAL MANAGER PUBLIC WORKS
AND TRANSPORT**

Your Reference: Kabokweni Gutshwa 959 JU
Your contact: Praise Mabila
Wayleave No.: WA/17/00002
Enquiries: H v Wyngaard
Telephone: (013) 759 2186

1 February 2017

ESKOM Mpumalanga Operating Unit
PO Box 1567
NELSPRUIT
1200

Attention: Praise Mabila

**WAYLEAVE FOR: 11 MV FEEDER SPLIT WORK TO TAKE PLACE IN A MUNICIPAL ROAD RESERVE
IN KABOKWENI**

Your application for way leave is herewith supported subject to the conditions stated below and to the attached standard conditions of approval:

It will be the responsibility of the applicant to liaise with the following Directorates / Authorities with respect to the positions of services that might be affected by the proposed work:

- Sub-Directorate: PUBLIC WORKS AND TRANSPORT
- Sub-Directorate: ENERGY
- Sub-Directorate: WATER AND SANITATION
- Sub-Directorate: PROTECTION
- Other telecommunications service providers

COMMENTS PROVIDED BY DEPARTMENTS:

1. PARKS AND CEMETARIES:

Supported. No trees maybe removed and should any pruning be required the applicant must first get prior consent from the Parks and Cemeteries Department. Protected plant species affected require prior application for permits from Department of Agriculture, Forestry and Fisheries for any trimming or removal. If any areas are landscaped and are disturbed the area must be restored to its condition before work commenced in that area to the satisfaction of the Parks and Cemeteries

Department and the resident Landscape Contractor. No rubble to be left after excavations in application area.

2. PUBLIC WORKS AND TRANSPORT:

This Application is SUPPORTED subject to standard conditions attached.

3. WATER & SANITATION

This Application is SUPPORTED.

1. The applicant shall endeavor to design and construct their infrastructure in such a manner that will have least possible impact on the Municipal Water and Sanitation Infrastructure.
2. The applicant shall obtain any and all information necessary to ensure that the location of all water and sanitation infrastructure in the vicinity of the proposed works have been accurately determined. This may include physical route surveys and the use of specialized equipment for detection of underground services.
3. The applicant shall obtain Municipal locality drawings and future master planning route information of water and sanitation infrastructure from the City of Mbombela : Water and Sanitation Planning Division representative, prior to the issuing of construction drawings or start of any excavation : Mr T Botha, 013 759 9189, theo.botha@mbombela.gov.za.
4. The applicant shall form the information obtained above prepare final design/construction drawings of their infrastructure deliberately avoiding any unnecessary clashing with Municipal Water and Sanitation Services.
5. The applicant's infrastructure shall not be installed closer than 1m from any water and sanitation infrastructure nor shall it be installed above or below any water and sanitation infrastructure except for direct horizontal crossing of services.
6. The location of all existing water and sanitation infrastructure in the vicinity of the works shall be clearly indicated on all construction drawings of the applicant.
7. All existing water and sanitation infrastructure in the vicinity of the works that may be affected by the works, shall be exposed by means of hand excavation for inspection by Municipal contact person prior to the start of any construction.
8. The applicant shall adhere and comply with all appropriate Occupational Health and Safety Construction Regulations imposed by the most recent legislation.
9. It shall be the responsibility of the applicant to inform adjacent effected property owners of the extent and implications of the works. Reasonable and practical arrangements shall be made with the effected property owners to allow access to property and minimal disruption of services.
10. The applicant shall provide the water and sanitation division with accurately surveyed as-build drawings of their installed services in any appropriate Electronic Computer Aided Drawings format.

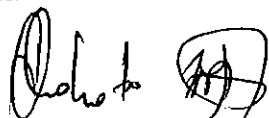
4. ENERGY

This application must be referred to ESKOM for comment.

Yours faithfully



L HALLATT
SENIOR MANAGER ROADS AND STORM WATER
City of Mbombela





AUTHORISATION TO PERFORM WORK WITHIN ROAD RESERVES AND/OR SERVITUDES WITHIN THE CITY OF MBOMBELA AREA



	KABOKWENI
	11 MV FEEDER SPLIT
	KABOKWENI GUTSHWA 959 JU



Water Pipes			
Sewer Pipes			
Stormwater Pipes/Culverts			
Electrical Cables/Sleeves Pipes	ESKOM	Praise Mabla 083 391 4165	13-01-2017
HT LT			
Trees and Landscaping			
TRIG BEACONS			
Communications Network			

Attach the Applicant's request for wayleave.

Department Roads and Stormwater	Hanli van Wyngaard	1-02-2017
Department Electrical Engineering		
Department Parks Sports & Recreation		
Traffic		
SEMBCORP/Silulumanzi – Where applicable		

Conditions to follow:-

CONDITIONS FOR THE APPROVAL OF WAYLEAVES BY CITY OF MBOMBELA

Approval of Wayleave Nr WA/17/00001 is granted by City of Mbombela (hereafter referred to as: the Municipality) to ESKOM (hereafter referred to as: the Applicant) subject to the following conditions:

1. The Applicant shall remain the responsible entity for work carried out under the approved wayleave. All communication lines shall be between the Applicant and the Municipality and the Applicant shall be held liable for any claims that may arise out of work carried out under this wayleave whether it be of direct or indirect consequence. The Municipality will under no circumstances liaise, instruct and/or negotiate with agents, contractors etc. appointed by the Applicant, or property owners.
The Applicant shall visit the site as frequently as necessary to ensure the effective execution of the work and compliance to the conditions of the approval of the wayleave.
*Communications.
Responsibilities
and liabilities...*
2. The Applicant will be responsible for all liaison and co-ordination including any correspondence between the Applicant and any property owner.
*Communication
with third
parties...*
3. The Applicant shall invite the Municipality to meet on site prior to the start of construction or the execution of any work. A program of the proposed work shall be provided to this office prior to commencement of construction.
*Prior to
Construction...*
4. Any damage to existing services or interference with the rights of other service providers as a result of the Applicant's installation operations will be the Applicant's responsibility.
Existing services
5. When a road reserve is closed or a road servitude cancelled by the Municipality, the full authority and control of the land that was taken up by the road reserve or servitude, will revert to the owner of the land on which such reserve or servitude was located. In such case alternative arrangements for the accommodation of non-municipal infrastructure within such abandoned reserve/servitude, must be made by the Applicant/owner of the infrastructure with the relevant property owner.
6. All existing services as indicated on the attached drawings shall first be carefully exposed by hand over short sections for inspection and confirmation by the relevant Municipal contact person prior to the start of any construction.
7. It shall be the sole responsibility of the applicant to adhere and comply with all Occupational Health and Safety requirements prescribed by applicable legislation.
OHS
8. It shall be the responsibility of the applicant to inform adjacent effected property owners of the extent and effect of the works. Reasonable and practical arrangements shall be made with the effected property owners to allow access to property and ensure minimal disruption.
*Notification of
land owners*
9. The Municipality will not be responsible for any expenditure in connection with the laying/erection/installation or maintenance of the Applicant's service.



10. If the relocation or adjustment of the Applicant's infrastructure becomes necessary due to road or sidewalk upgrading or maintenance, the Applicant shall be responsible for the relocation of such infrastructure at his own expense, within the period requested by the Municipality, where such infrastructure has not been installed in full compliance with the conditions of approval of the wayleave. This includes everything concerned and connected to the service(s) such as meter boxes, meters, transformers, poles, street distribution cabinets, anchors, stays, manholes or any other fittings or parts thereof. Where special conditions were allowed, the Applicant will still be responsible for all costs incurred should the applicant's service(s) and appurtenant items have to be relocated.

Relocation of services in the event of incorrect positioning, trenching depth etc.

11. The Applicant will be held responsible for any damage suffered by the Municipality as a result of the Applicant's negligence to move the service(s) within the prescribed period(s).

12. The Municipality will not be liable for any damage suffered by the Applicant as a result of operations carried out on road construction or road maintenance or any other operations whatsoever, unless negligence on the part of the City of Mbombela or its officials can be proved.

13. Depending on the scope of works, a construction guarantee for an amount determined by the Municipality shall be furnished by the Applicant prior to the commencement of any construction work.

Construction guarantee

14. The work must be carried out to the satisfaction of the Municipality. Trees, shrubs, cultivated grass may only be pruned or removed with the consent of the Department of Parks, Sports and Recreation. If required by the Municipality damaged or removed plants will be replaced by the Applicant at his cost and to the satisfaction of the Municipality. All branches and tree trunks or other waste must be removed without delay and may not infringe on the safe movement of vehicles and pedestrians.

Damage to trees... Removal of trees and shrubs...

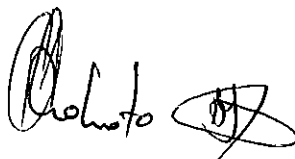
15. Work in natural and/or eco-sensitive drainage systems shall be subject to environmental law. Formal drainage systems (surface and subsurface) must not be interfered with or damaged in any way.

Natural and formal drainage systems....

16. Concrete shall not be mixed on road surfaces or in road reserves. The road reserve must be left clean and all waste products shall be removed.

17. The work must be done within twelve months from the date of this letter. If for any reason at all, the work is delayed for a longer period, extension of time must be requested in writing or a new application will have to be submitted.

18. The person in charge of the construction or maintenance work on the site must at all times be in possession of a copy of the letter of approval of the wayleave, including the conditions of approval and all plans that are required and are referred to in the correspondence shall be presented to officials of the Municipality upon request. If such documentation cannot be presented, the official of the Municipality may order that the work area or part thereof be secured and that all work or part thereof be stopped. If the person in charge does not oblige to such an instruction by an official of the Municipality, the Municipality may take action to enforce such instruction at the expense of the Applicant.



19. The Applicant's services shall be installed in accordance with the "**GUIDELINES FOR HUMAN SETTLEMENT, PLANNING AND DESIGN,**" i.e.

Storm water: according to practical requirements.

*Drainage
Water*

Water supply lines: 2m from the road reserve boundary.

Communication lines: within 2m from the road reserve boundary with a minimum of 800mm deep. Clearance between trench and road reserve boundary shall be 400mm. Trenching within 1m of kerbs or shoulder of a road will not be allowed. If there are other existing services then the trench shall be positioned adjacent to the existing services as close as possible to the road reserve boundary. Bush clearing (including the necessary permits for the eradication for endangered/protected trees) and blasting may be considered in bushy and rocky areas and remains the responsibility of the applicant to make provision for such items as and when necessary. No concessions will be made for deviations from the specified position indicated here. Deviations from the specified position will only be allowed upon written approval by the Municipality.

*Telecommuni-
cation*

Sewer pipelines: between water supply lines and communication lines in proximity to stand boundary or on opposite side of road as gradients may dictate.

Sewer

Electrical cables/conduit pipes: preferably on opposite side of road.

Other services: Street furniture, landscaping and irrigation systems: as per approved detailed drawings.

*ElectricityStreet
furniture*

20. Only rubber wheel excavating equipment will be permitted on paved road surfaces

21. The service (except for water, sewer and storm water pipes) must be laid in a 160mm uPVC sleeve pipe over the full width of the road reserve, with markers above the ground. The top of the sleeve pipe must be laid at least 1m under the lowest point of the road or road reserve. The service must cross the road at right angles as far as possible and no manholes/distribution cabinets, access chambers, etc., must be erected with the road way. Road crossings will be made at dedicated positions as approved on site by the Municipality prior to construction.

Road crossings...

22. If a Service Provider do not wish to share the above mentioned 160mm uPVC sleeve pipe with other Service Providers, he shall install one or more additional 160mm sleeve at the same road crossing for other service providers to utilize. Markers must be put above ground for easy location. The coordinated position of the additional sleeve/s must be submitted with the As-build documents upon completion.

*Provision of
additional
sleeves at major
road crossings*

23. For telecommunication services, the preferred method of installations at road crossings, is drilling, but open trenching may be allowed under certain special circumstances and subject to the approval by the Municipality. If the open trench method is used the sleeve pipe must be laid in two sections across the roadway to obviate interruption to the flow of traffic; only one lane may be closed to the public at a time. A deviation to make the crossing of the road easier can be considered but it must be shown on a plan and approved by the Municipality: Roads and Storm Water Department before commencement of the work.

*Drilling and
trenching...*

24. A bright weatherproof plastic tape must be laid, ± 300 mm above the sleeve to act as a warning.

Markers...

25. The material to be used must be of good quality in order to prevent breaking of the road layer work to do repairs to the service.

Materials...

26. The contractor shall not leave trenches open overnight without sufficient safety measures to protect both traffic and pedestrians. No trench shall be left open for longer than 48 hours. *Open trenches...*
27. Backfilling alongside and over all sleeve pipes must be placed and compacted in layers not exceeding 100mm after compaction to a density required for the material in adjacent fill. Excavation within the road pavement layers shall be backfilled with a soilcrete and compacted progressively from 93% to 98% of modified AASHTO density. The density of the backfill in excavations in natural ground must be at least 90% of modified AASHTO density. The Applicant will be held responsible for any subsidence in the backfill and accidents caused by it. *Backfilling...*
28. Resealing of the roadway at road crossings shall be done within a week from date of backfilling. The Applicant shall inform the Municipality timeously of any delay if the resealing cannot be done as required. *Resealing timeframe...*
29. Where work is carried out in close proximity of the roadway or within the roadway, temporary road signs shall be displayed in accordance with the requirements of the S A Manual for Road Traffic Signs. The necessary precautions are to be taken at all times to safeguard traffic while installation operations are in progress within the road reserve. The Applicant will be liable for any accidents during installation operations due to negligence on the part of Applicant's employees or contractors. *Temporary road signs...*
30. Care must be taken that existing survey beacons/pegs are not damaged or interfered with by excavations. Excavations within the road reserve must be fenced and secured. *Safety of excavations... Survey beacons..*
31. The Applicant, in favor of the service provider, shall register servitudes over private property and/open spaces/parks belonging to the Municipality. *Servitudes....*
32. The Applicant shall request a final inspection on completion of the works. At the final inspection the quality test results required by the Municipality shall be submitted to the Municipality's representative. Accurate as-built drawings, GPS co-ordinates (or GPX files), DCP test results and before and after photos shall to be submitted to this office upon completion of all works. As-builts shall be in drw, drg (Autocad or Cad) or shapefile (GIS) format. A Compliance certificate shall be issued to certify that the work has been executed satisfactorily. Such certification shall, however not relieve the Applicant of any responsibility in respect of latent defects of the completed works. *Final Inspections & Completion....*

