Tower reference:
 195-RG014
 Proposed Tower Location
 23°12'27.428" E

 Date of assessment:
 20-Apr-2016
 (DMS):
 27°20'39.285" S

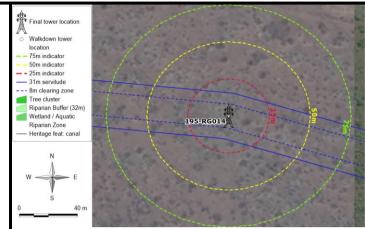
 Farm portion:
 MT ROPER 321/0
 Final Tower Location (DMS):
 23°12'27.428" E

 Land owner:
 Ropermoor Pty Ltd
 Final Tower Location (DMS):
 27°20'39.285" S

Tower structure: 7645 - 22m Angle Strain (01°-30°)

#### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:196-RG015Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

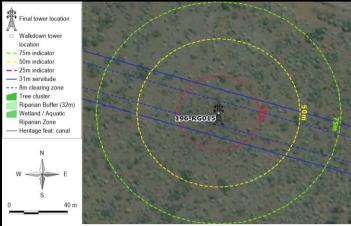
<u>Proposed Tower Location</u> 23°12'36.020" E (<u>DMS</u>): 27°20'41.655" S

Final Tower Location (DMS): 23°12'36.020" E

I mai Tower Education (E

# Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude, will require pruning or removal.



27°20'41.655" S





Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:197-RG016Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

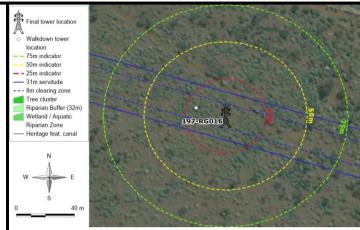
<u>Proposed Tower Location</u> 23°12'44.149" E (<u>DMS</u>): 27°20'43.896" S

r Location (DMS): 23°12'44.803" E

Final Tower Location (DMS): 27°20'44.077" S

# Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:198-RG017Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

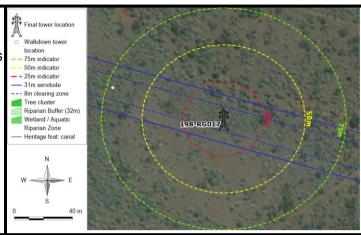
<u>Proposed Tower Location</u> 23°12'51.947" E (<u>DMS</u>): 27°20'46.046" S

Final Tower Location (DMS): 23°12'54.416" E

27°20'46.727" S

## Aerial overview & tower footprint:

The tower position is located what seems to be a dormant quarry. Area is completely transformed and no environmental sensitivities are present on site. No palaeontological artefacts were identified.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

Tower located within possible guarry / borrow pit.

#### Conclusion and recommendation:

Eskom to engage with SANRAL regarding tower position. The quarry can be spanned with towers located on either side of the quarry area. No environmental sensitivities are evident next to the quarry therefore towers on either side of the quarry will not impact on exiting environmental sensitivities.

Tower reference:199-RG018Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

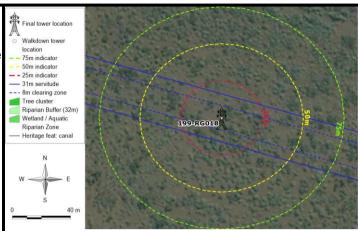
<u>Proposed Tower Location</u> 23°13'03.291" E (<u>DMS</u>): 27°20'49.174" S

Final Tower Location (DMS): 23°13'03.291" E

131 Tower Location (DMS): 27°20'49.174" S

## Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate to low groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

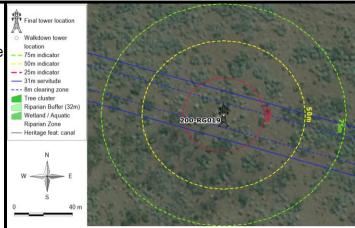
200-RG019 Tower reference: Date of assessment: 20-Apr-2016 **MT ROPER 321/0** Farm portion: Land owner: Ropermoor Pty Ltd D7649 26m Susp 37kN Tower structure:

**Proposed Tower Location** 23°13'11.654" E (DMS): 27°20'51.479" S

23°13'11.654" E Final Tower Location (DMS): 27°20'51.479" S

## Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate to low groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

 Tower reference:
 201-RG020
 Proposed Tower Location
 23°13'19.534" E

 Date of assessment:
 20-Apr-2016
 (DMS):
 27°20'53.651" S

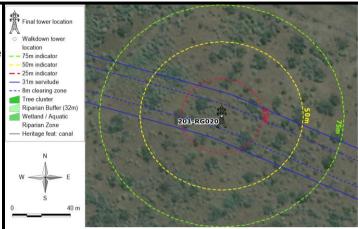
 Farm portion:
 MT ROPER 321/0
 Final Tower Location (DMS):
 23°13'19.534" E

 Land owner:
 Ropermoor Pty Ltd
 Final Tower Location (DMS):
 27°20'53.651" S

**Tower structure:** 7645 - 22m Angle Strain (01°-30°)

#### Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate to low groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:202-RG021Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 24m Susp 37kN

 Proposed Tower Location
 23°13'27.337" E

 (DMS):
 27°20'56.916" S

Final Tower Location (DMS): 23°13'27.337" E

27°20'56.916" S

#### Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate to low groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:203-RG022Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

 Proposed Tower Location
 23°13'36.875" E

 (DMS):
 27°21'00.905" S

 23°13'36.875" E

Final Tower Location (DMS): 27°21'00.905" S

#### Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate to low groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

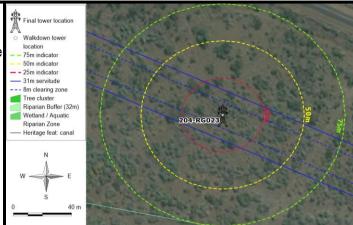
204-RG023 Tower reference: Date of assessment: 20-Apr-2016 **MT ROPER 321/0** Farm portion: Land owner: Ropermoor Pty Ltd D7649 26m Susp 37kN Tower structure:

23°13'45.747" E **Proposed Tower Location** (DMS): 27°21'04.616" S

23°13'45.746" E Final Tower Location (DMS): 27°21'04.616" S

# Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate to low groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

 Tower reference:
 205-RG024

 Date of assessment:
 20-Apr-2016

 Farm portion:
 MT ROPER 321/0

 Land owner:
 Ropermoor Pty Ltd

 Tower extracture:
 D7640 26m Supp 37

 Proposed Tower Location
 23°13'54.808" E

 (DMS):
 27°21'08.406" S

 23°13'54.808" E

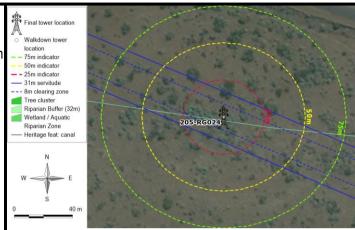
Final Tower Location (DMS): 27°21'08.406" S

Tower structure: D7649 26m Susp 37kN

## Aerial overview & tower footprint:

Aerial image indicates a drainage line at this tower location.

However at the location the drainage line is located less than 50m







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

Within well-developed non-perennial watercourse. The watercourse has no defined riparian zone and is not considered an ecologically significant standalone habitat unit. Relocate to outside of the watercourse & 32m buffer.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Move approx. 125 m towards either 204-RG023 or 206-RG025. Likely to require additional tower.

Tower reference:206-RG025Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

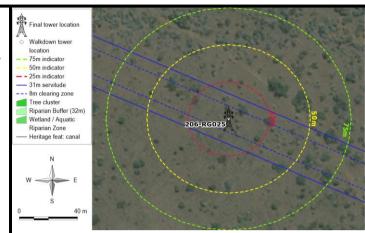
<u>Proposed Tower Location</u> 23°14'04.155" E (<u>DMS</u>): 27°21'12.316" S

Final Tower Location (DMS): 23°14'04.155" E

1al Tower Location (DMS): 27°21'12.315" S

#### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Two track access road located approx. 40m northeast of tower position.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:207-RG026Date of assessment:20-Apr-2016Farm portion:MT ROPER 321/0Land owner:Ropermoor Pty LtdTower structure:D7649 26m Susp 37kN

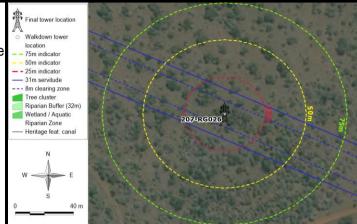
<u>Proposed Tower Location</u> 23°14'13.238" E (<u>DMS</u>): 27°21'16.114" S

Final Tower Location (DMS): 23°14'13.238" E

nal Tower Location (DMS): 27°21'16.114" S

#### Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate groundcover. Moderate size trees located in servitude, will require pruning or removal.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

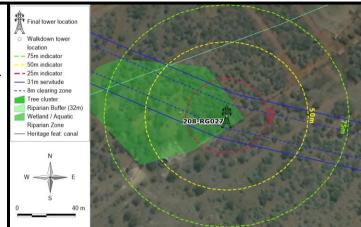
#### Conclusion and recommendation:

Tower reference:208-RG027Proposed Tower LocationDate of assessment:20-Apr-2016(DMS):Farm portion:MT ROPER 321/0Final Tower Location (DMS):Land owner:Ropermoor Pty Ltd

**Tower structure:** 7645 - 22m Angle Strain (01°-30°)

#### Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate groundcover. Tower position located in a cluster of protected trees. Specialist recommend relocation of tower north-eastwards.



23°14'21.673" E

27°21'19.641" S

23°14'21.673" E

27°21'19.641" S





Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

Prominent aggregation of large Boscia albitrunca and Acacia erioloba trees occur close to the footprint area or within the servitude area. Recommend moving tower to avoid the identified tree cluster.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

## **Conclusion and recommendation:**

Move approx. 40m northeast. Will require change in servitude alignment.

(DMS):

Tower reference:209-RG028Date of assessment:20-Apr-2016Farm portion:ELGON 375/0

Land owner:Highlands Gemeenskap TrustTower structure:D7649 26m Susp 37kN

Proposed Tower Location 23°14'31.515" E

27°21'21.849" S

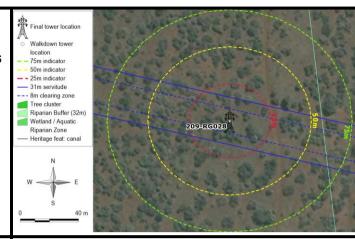
Final Tower Location (DMS):

23°14'31.515" E

27°21'21.849" S

## Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Two track access road located approx. 25m east of tower position.



Photograph not available

Photograph not available

## Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

Two graves (HK6) identified 75m southeast of proposed tower position. Recommend 20m No-Go buffer.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Access road or 2 track path must be established outside the 20m buffer around the graves.

Tower reference:210-RG029Date of assessment:20-Apr-2016Farm portion:ELGON 375/0

Land owner:Highlands Gemeenskap TrustTower structure:D7649 26m Susp 37kN

Proposed Tower Location 23°14'41.477" E

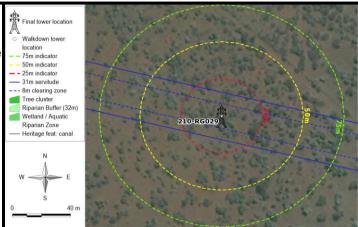
(DMS): 27°21'24.084" S

Final Tower Location (DMS): 23°14'41.476" E

27°21'24.083" S

## Aerial overview & tower footprint:

Generally dense brush vegetation/bush with moderate groundcover. Moderate size trees located in servitude, will require pruning or removal.



Photograph not available

Photograph not available

## Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference: 211-RG030

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°14'52.427" E

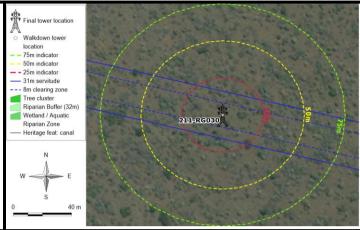
(DMS): 27°21'26.540" S

Final Tower Location (DMS): 23°14'52.426" E

27°21'26.539" S

#### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 212-RG031

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

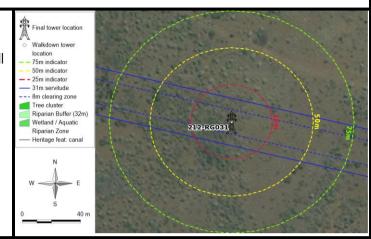
23°15'00.677" E 27°21'28.390" S

Final Tower Location (DMS): 23°15′00.675″ E

27°21'28.389" S

# Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 213-RG032

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°15'11.589" E

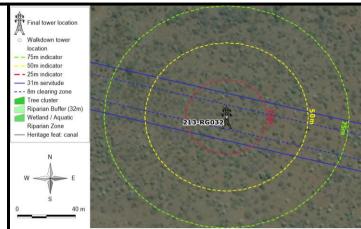
27°21'30.837" S

Final Tower Location (DMS): 23°15'11.587" E

27°21'30.836" S

# Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 214-RG033

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°15'21.468" E

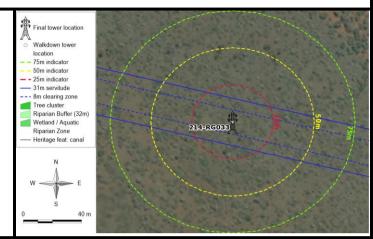
27°21'33.052" S

Final Tower Location (DMS): 23°15'21.466" E

27°21'33.051" S

# Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 215-RG034

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

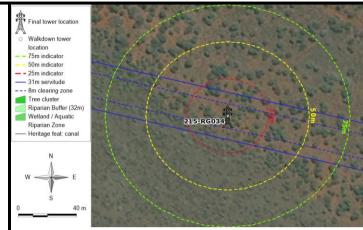
23°15'31.471" E 27°21'35.295" S

Final Tower Location (DMS): 23°15'31.468" E

27°21'35.293" S

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 216-RG035

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

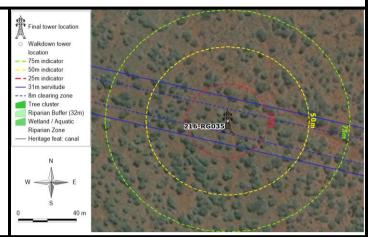
23°15'41.883" E 27°21'37.629" S

Final Tower Location (DMS): 23°15'41.880" E

27°21'37.627" S

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required. Erosion-related drainage line 25m northeast of tower.







Tower footprint view 1

Drainage line 25m NE of tower

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 217-RG036

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°15'51.682" E

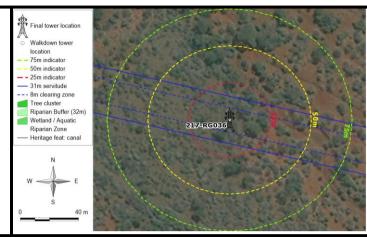
27°21'39.825" S

Final Tower Location (DMS): 23°15'51.679" E

27°21'39.824" S

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required. Erosion-related drainage line 50m northeast of tower.







Tower footprint view 1

Drainage line 50m NE of tower

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 218-RG037

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

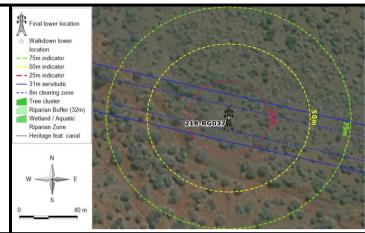
23°16'01.718" E 27°21'42.075" S

Final Tower Location (DMS): 23°16'01.715" E

27°21'42.073" S

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required. Erosion-related drainage line 40m northeast of tower.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 219-RG038

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°16'11.328" E

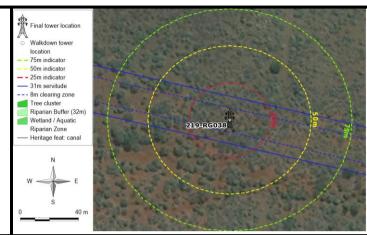
27°21'44.228" S

Final Tower Location (DMS): 23°16'11.325" E

27°21'44.227" S

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 220-RG039

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

23°16'20.430" E 27°21'46.268" S

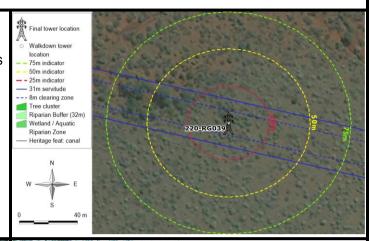
Final Tower Location (DMS):

23°16'20.427" E

27°21'46.266" S

#### Aerial overview & tower footprint:

Area with dense bush and moderate size trees located in servitude. Bush clearing will be required. Isolated protected trees located in the servitude area in the vicinity. May require removal.







Tower footprint view 1

Tower footprint view 2

## Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference: 221-RG040

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°16'29.915" E

(DMS): 27°21'48.393" S

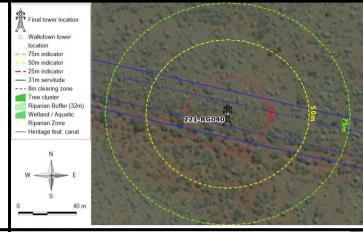
Final Tower Location (DMS): 23°16'29.911" E

# Final Tower Location (DINS)

# 27°21'48.391" S

#### Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required. Erosion-related drainage line 25m south of tower.







Tower footprint view 1

Tower footprint view 2

## Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

222-RG041 Tower reference: Date of assessment: 20-Apr-2016

**LOWER KURUMAN 219/2** Farm portion:

Land owner: Kgosi P.P. Toto

D7649 26m Susp 37kN Tower structure:

**Proposed Tower Location** 23°16'39.655" E

(DMS): 27°21'50.576" S

23°16'39.652" E Final Tower Location (DMS): 27°21'50.574" S

# Aerial overview & tower footprint: Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required. Erosion-related drainage line 90m southwest of tower.







Tower footprint view 1

Tower footprint view 2

## Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 223-RG042

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

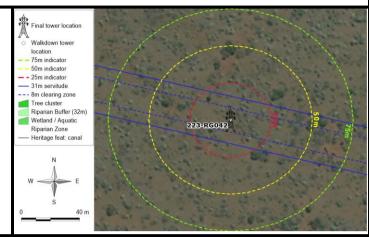
23°16'49.569" E 27°21'52.796" S

Final Tower Location (DMS): 23°16'49.565" E

27°21'52.795" S

#### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 1

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

**Proposed Tower Location** 

Final Tower Location (DMS):

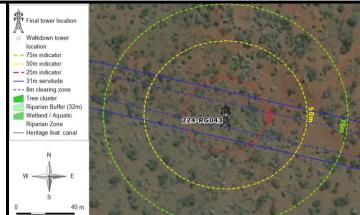
224-RG043 Tower reference: Date of assessment: 20-Apr-2016

**LOWER KURUMAN 219/2** Farm portion: Land owner: Kgosi P.P. Toto

7645 - 24m Angle Strain (00°-05°) Tower structure:

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.



23°16'59.440" E

27°21'55.007" S

23°16'59.437" E

27°21'55.006" S





Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 225-RG044

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2
Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

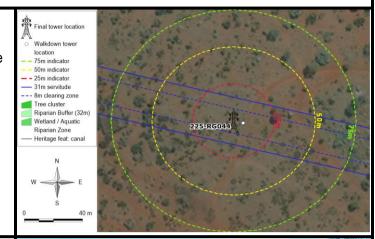
23°17'09.373" E 27°21'57.232" S

Final Tower Location (DMS): 23°17'09.162" E

27°21'57.184" S

#### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Two track road located close to the tower position. Can be used as temporary access road during construction.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 226-RG045

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/2

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

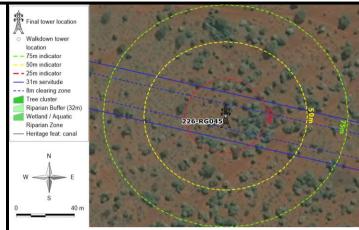
23°17'18.352" E 27°21'59.243" S

. 23°17'18.350" E

Final Tower Location (DMS): 25 17 10.330 E 27°21'59.241" S

## Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:227-RG046Date of assessment:20-Apr-2016Farm portion:GAMOHAAN 438/0Land owner:Kgosi P.P. Toto

D7649 26m Susp 37kN

Proposed Tower Location 23°17'28.688" E

(DMS): 27°22'01.557" S

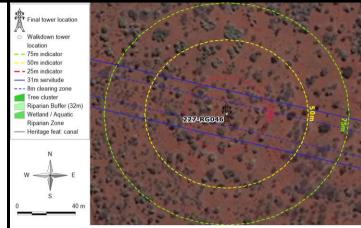
Final Tower Location (DMS): 23°17'28.685" E

# 27°22'01.556" S

#### Aerial overview & tower footprint:

Tower structure:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

228-RG047 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto D7649 26m Susp 37kN

(DMS): 27°22'03.750" S 23°17'38.477" E Final Tower Location (DMS):

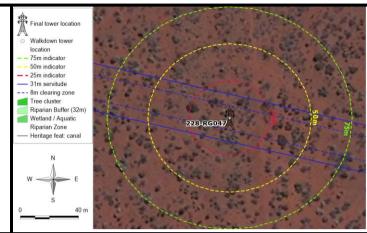
**Proposed Tower Location** 

27°22'03.748" S

## Aerial overview & tower footprint:

Tower structure:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Two track road located approx. 20m east of the tower location.



23°17'38.479" E





Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

229-RG048 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto

D7649 26m Susp 37kN Tower structure:

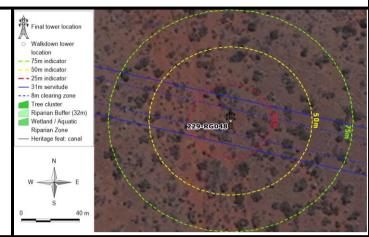
23°17'48.259" E **Proposed Tower Location** (DMS):

27°22'05.939" S

23°17'48.257" E Final Tower Location (DMS): 27°22'05.938" S

# Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Erosion-related watercourse located approx. 20 west of the tower position.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference:230-RG049Date of assessment:20-Apr-2016Farm portion:GAMOHAAN 438/0Land owner:Kgosi P.P. Toto

Final Tower Location (DMS):

**Proposed Tower Location** 

27°22'07.913" S 23°17'57.076" E

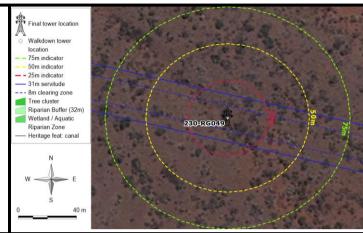
23°17'57.078" E

27°22'07.912" S

Tower structure: D7649 26m Susp 37kN

## Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:231-RG050Date of assessment:20-Apr-2016Farm portion:GAMOHAAN 438/0Land owner:Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

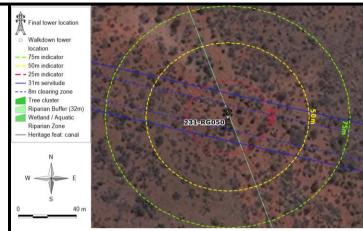
Proposed Tower Location 23°18'06.110" E

(DMS): 27°22'09.935" S

Final Tower Location (DMS): 23°18'06.108" E 27°22'09.934" S

### Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required. Located in a watercourse.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

Within well-developed non-perennial watercourse. The watercourse has no defined riparian zone and is not considered an ecologically significant standalone habitat unit. Relocate approx. 50m to east.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

### **Conclusion and recommendation:**

Move tower approx. 40 - 50 m towards 232-RG051.

232-RG051 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto

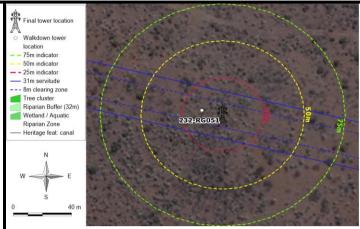
D7649 24m Susp 37kN Tower structure:

**Proposed Tower Location** 23°18'16.080" E (DMS): 27°22'12.166" S

23°18'16.542" E Final Tower Location (DMS): 27°22'12.269" S

# Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

233-RG052 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto D7649 24m Susp 37kN

23°18'25.125" E Final Tower Location (DMS):

**Proposed Tower Location** 

27°22'14.190" S

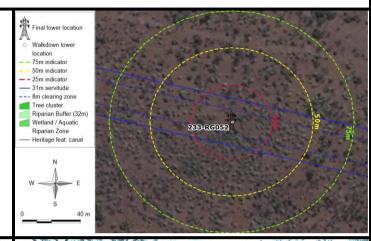
23°18'25.144" E

27°22'14.195" S

### Aerial overview & tower footprint:

Tower structure:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

234-RG053 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto

23°18'33.971" E Final Tower Location (DMS):

**Proposed Tower Location** 

27°22'16.170" S

23°18'34.515" E

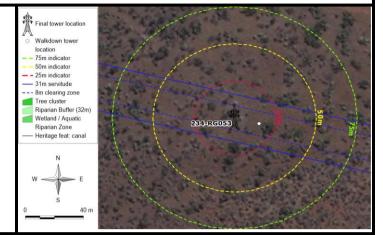
27°22'16.292" S

### Aerial overview & tower footprint:

Tower structure:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.

D7649 24m Susp 37kN





Photograph not available

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

235-RG054 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto

(DMS): 27°22'18.773" S 23°18'44.898" E

Final Tower Location (DMS):

**Proposed Tower Location** 

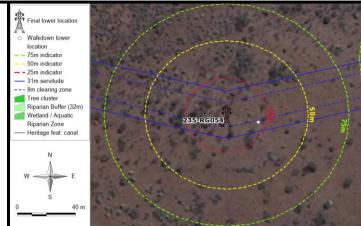
27°22'18.615" S

23°18'45.603" E

7645 - 22m Angle Strain (01°-30°) Tower structure:

# Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

236-RG055 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto D7649 24m Susp 37kN

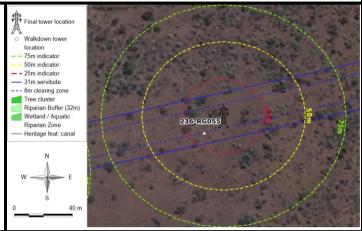
(DMS): 27°22'17.755" S 23°18'50.584" E Final Tower Location (DMS): 27°22'17.379" S

**Proposed Tower Location** 

# Aerial overview & tower footprint:

Tower structure:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.



23°18'50.152" E





Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:237-RG056Date of assessment:20-Apr-2016Farm portion:GAMOHAAN 438/0Land owner:Kgosi P.P. Toto

D7649 24m Susp 37kN

 Proposed Tower Location
 23°19'02.110" E

 (DMS):
 27°22'15.079" S

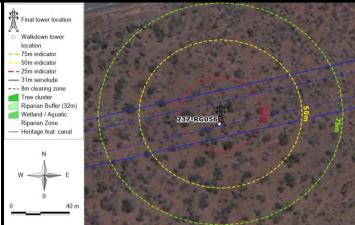
Final Tower Location (DMS): 23°19'02.141" E

27°22'14.866" S

## Aerial overview & tower footprint:

Tower structure:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference:238-RG057Date of assessment:20-Apr-2016Farm portion:GAMOHAAN 438/0Land owner:Kgosi P.P. Toto

Final Tower Location (DMS):

**Proposed Tower Location** 

27°22'12.440" S 23°19'13.823" E

23°19'13.908" E

7900140 20011 0

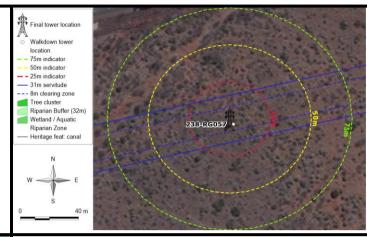
27°22'12.326" S

### Aerial overview & tower footprint:

Tower structure:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.

D7649 26m Susp 37kN







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:239-RG058Date of assessment:20-Apr-2016Farm portion:GAMOHAAN 438/0Land owner:Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°19'23.049" E

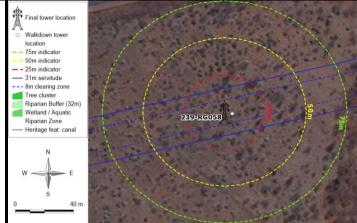
(DMS): 27°22'10.394" S

Final Tower Location (DMS): 23°19'22.880" E

27°22'10.356" S

### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

240-RG059 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto

Final Tower Location (DMS):

**Proposed Tower Location** 

27°22'07.751" S 23°19'34.855" E

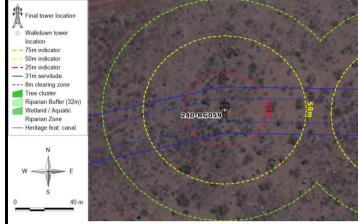
23°19'34.855" E

27°22'07.751" S

7645 - 22m Angle Strain (01°-30°) Tower structure:

# Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

241-RG060 Tower reference: Date of assessment: 20-Apr-2016 GAMOHAAN 438/0 Farm portion: Land owner: Kgosi P.P. Toto D7649 26m Susp 37kN

23°19'39.041" E Final Tower Location (DMS):

**Proposed Tower Location** 

# 27°22'07.824" S

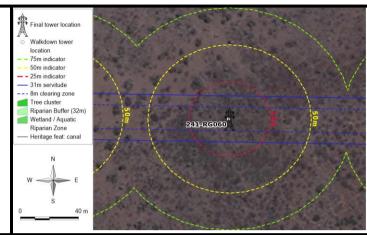
23°19'39.020" E

27°22'07.823" S

### Aerial overview & tower footprint:

Tower structure:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

242-RG061 Tower reference: Date of assessment: 20-Apr-2016

**LOWER KURUMAN 219/1** Farm portion:

Land owner: 7645 - 22m Angle Strain (01°-30°) Tower structure:

Kgosi P.P. Toto

**Proposed Tower Location** 

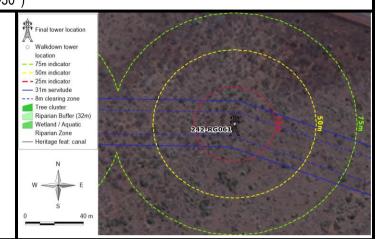
23°19'44.264" E 27°22'07.913" S

23°19'44.264" E Final Tower Location (DMS):

27°22'07.913" S

### Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 243-RG062

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

23°19'54.174" E 27°22'11.275" S

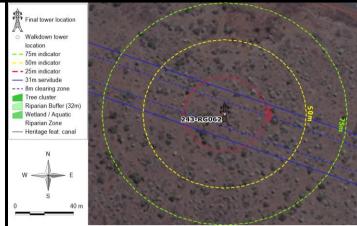
Final Tower Location (DMS):

23°19'54.174" E

27°22'11.275" S

### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 244-RG063

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

**Proposed Tower Location** 

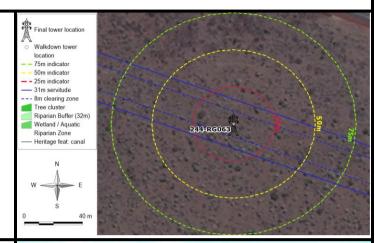
23°20'03.156" E 27°22'14.322" S

Final Tower Location (DMS): 23°20'03.156" E

27°22'14.322" S

## Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 245-RG064

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

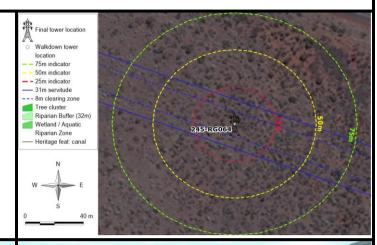
23°20'12.065" E 27°22'17.344" S

Final Tower Location (DMS): 23°20′12.064″ E

27°22'17.343" S

### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

246-RG065 Tower reference:

Date of assessment: 20-Apr-2016

Land owner: Kgosi P.P. Toto

D7649 26m Susp 37kN Tower structure:

**Proposed Tower Location** 

(DMS): 27°22'20.450" S

23°20'21.223" E

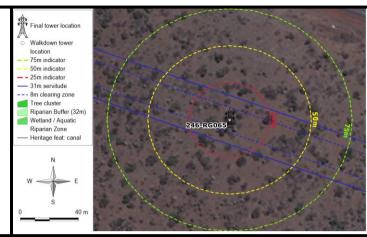
23°20'21.222" E Final Tower Location (DMS): 27°22'20.449" S

**LOWER KURUMAN 219/1** 

### Aerial overview & tower footprint:

Farm portion:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 247-RG066

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location 23°20'30.686" E

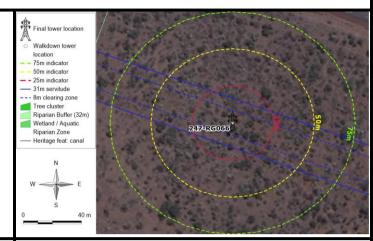
27°22'23.659" S

Final Tower Location (DMS): 23°20'30.686" E

27°22'23.659" S

### Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1 Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

248-RG067 Tower reference:

Date of assessment: 20-Apr-2016 **LOWER KURUMAN 219/1** 

Land owner: Kgosi P.P. Toto

D7649 26m Susp 37kN Tower structure:

**Proposed Tower Location** 

23°20'39.664" E 27°22'26.703" S

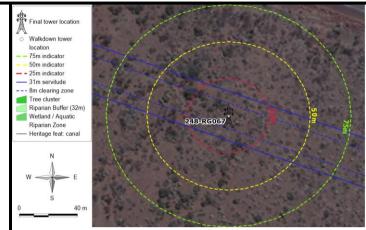
23°20'39.663" E Final Tower Location (DMS):

27°22'26.703" S

### Aerial overview & tower footprint:

Farm portion:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

(DMS):

Tower reference: 249-RG068

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

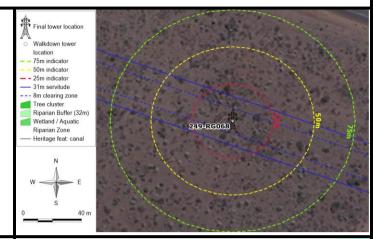
23°20'47.195" E 27°22'29.257" S

Final Tower Location (DMS): 23°20'47.195" E

27°22'29.257" S

## Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference: 250-RG069

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

Proposed Tower Location

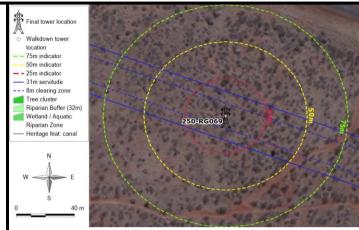
(DMS): 27°22'32.661" S

23°20'57.233" E

Final Tower Location (DMS): 23°20'57.233" E 27°22'32.660" S

# Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference: 251-RG070

Date of assessment: 20-Apr-2016

Farm portion: LOWER KURUMAN 219/1

Land owner: Kgosi P.P. Toto

Tower structure: D7649 26m Susp 37kN

**Proposed Tower Location** 

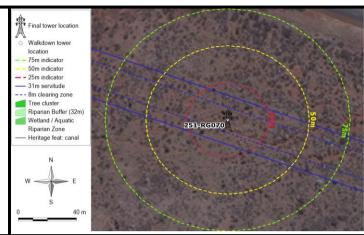
23°21'05.706" E

(DMS): 27°22'35.533" S

Final Tower Location (DMS): 23°21'05.706" E 27°22'35.533" S

### Aerial overview & tower footprint:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

252-RG071 Tower reference: Date of assessment: 20-Apr-2016 Farm portion:

**KURUMAN RESERVE 690/1** Ga-Segonyana Municipality

7645 - 22m Angle Strain (30°-60°) Tower structure:

23°21'15.113" E **Proposed Tower Location** (DMS):

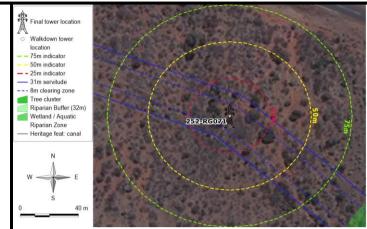
27°22'38.722" S

23°21'15.113" E Final Tower Location (DMS): 27°22'38.722" S

# Aerial overview & tower footprint:

Land owner:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Tower reference:253-RG072Date of assessment:20-Apr-2016Farm portion:KURUMAN R

KURUMAN RESERVE 690/1
Ga-Segonyana Municipality

Tower structure: 7645 - 24m Angle Strain (00°-05°)

(DMS): 2
Final Tower Location (DMS): 2

**Proposed Tower Location** 

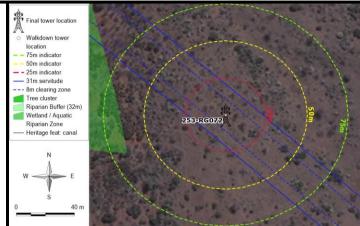
23°21'21.681" E 27°22'43.955" S

23°21'21.681" E 27°22'43.954" S

# Aerial overview & tower footprint:

Land owner:

Open area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude.







Tower footprint view 1

Tower footprint view 2

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

Prominent aggregation of large Acacia erioloba trees occur close to the footprint area or within the servitude area. Recommend moving tower to avoid the identified tree cluster.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation:

Move approx. 85m north east. Will require change in servitude alignment and additional strain towers. Power line will be closer than 95 m from road.

Tower reference: 254-RG073

Date of assessment: 20-Apr-2016

Farm portion: KURUMAN RESERVE 690/1
Land owner: Ga-Segonyana Municipality

Tower structure: 7645 - 22m Angle Strain (01°-30°)

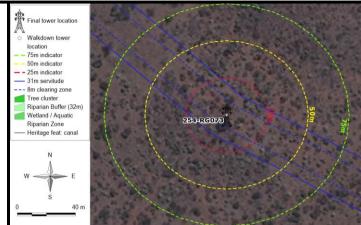
 Proposed Tower Location
 23°21'28.736" E

 (DMS):
 27°22'49.786" S

Final Tower Location (DMS): 23°21'28.736" E 27°22'49.786" S

# Aerial overview & tower footprint:

Area with bush and moderate groundcover evident in the area. Moderate size trees located in servitude. Bush clearing will be required.





Tower footprint view 1

Photograph not available

# Description of biodiversity, aquatic & wetland, heritage sensitivities and technical constraints

No biodiversity sensitivities with the potential to suffer significant impact as a result of the proposed power line construction were identified within the tower footprint or servitude area. Application for the relevant permits for pruning or removal of protected trees and plant species occurring within the servitude area will be applied for.

No wetlands or aquatic sensitivities were identified at the tower location.

No heritage or archaeological resources or artefacts were identified close or at the proposed tower position.

No technical constraints identified at or close to proposed tower location.

#### Conclusion and recommendation: