Alternative 1:	Proposed 35m high Monopole Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Noise Low-negative
Nature of impact:	Noise impact from machinery on the property and neighbouring residential properties during construction.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Localised noise disturbance on the site
Probability of occurrence:	Probable
Degree to which the impact may cause irreplaceable loss of resources:	Negligible
Degree to which the impact can be reversed:	Definite
Indirect impacts:	Slight increase in localised ambient noise levels (negligible)
Cumulative impact prior to mitigation:	Low-negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium - Low negative
Degree to which the impact can be avoided:	Medium
Degree to which the impact can be managed:	The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr.
Degree to which the impact can be mitigated:	Medium
Proposed mitigation:	The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory.
	Implementation of the EMPr.
Residual impacts:	Implementation of the EMPr. Negligible
Cumulative impact post mitigation:	
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE	Negligible Low - negative Low - negative
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible Low - negative
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be managed: Degree to which the impact can be mitigated:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the operational phase.
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk: Nature of impact:	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the operational phase. The project as proposed does not require 'decommissioning' or 'closure',
Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE Potential impact and risk: Nature of impact: Extent and duration of impact: Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE	Negligible Low - negative Low - negative The activity is not expected to have any noise impacts during the operational phase. The project as proposed does not require 'decommissioning' or 'closure',

Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 1:	Proposed 35m high Monopole Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Visual impact: Medium-high negative. The development of the mast will have a visual impact because of the height of the mast (35m in height) and is located within a residential area of De Hoop, Oudtshoorn.
Nature of impact:	Unsightly views due to construction site
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Localised visual disturbance on site
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	Negligible
Degree to which the impact can be reversed:	Low
Indirect impacts:	Low
Cumulative impact prior to mitigation:	Low- negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	High-Medium - negative
Degree to which the impact can be avoided:	Medium
Degree to which the impact can be managed:	Visual impact mitigation measures will be dealt with in the Environmental Management Programme ("EMPr"). The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: • The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. • Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. • The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. • Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. • Construction only to take place during normal working hours. • Implementation of the EMPr.
Degree to which the impact can be mitigated:	Probable
Proposed mitigation:	 The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr. Paint the mast a greyish colour to blend in with the background sky. Shorten the height of the mast to 30m in height to reduce the

Residual impacts:	Very Low-negative
Cumulative impact post mitigation:	Low - negative
Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	Medium-high negative
OPERATIONAL PHASE	т.
Potential impact and risk:	Visual impact: Medium-high negative
Nature of impact:	The development of the mast will most probably have a visual impact because of the height of the mast (35m in height) located within a residential area of De Hoop, Oudtshoorn.
Extent and duration of impact:	Local, Permanent
Consequence of impact or risk:	Low-Medium negative
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	Low - negative
Degree to which the impact can be reversed:	Very Likely
Indirect impacts:	Negligible (Possibly during the harvesting season and holiday season).
Cumulative impact prior to mitigation:	Medium - negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium - negative
Degree to which the impact can be avoided:	Highly Unlikely (Low)
Degree to which the impact can be managed:	Medium
Degree to which the impact can be mitigated:	Medium
Dogree to which the impact can be fillingated.	Restrict the height of the mast to only 30m, thereby reducing the
Proposed mitigation:	visual impact; Construct a monopole mast; Paint the mast a greyish colour to blend in with the background sky. Implementation of the EMPr.
Residual impacts:	Very Low - negative
Cumulative impact post mitigation:	Very Low - negative
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - negative
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Indirect impacts: Cumulative impact prior to mitigation:	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided:	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed:	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated:	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation:	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts:	

Alternative 1:	Proposed 35m high Monopole Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Socio-Economic (Low - Positive)
Nature of impact:	Temporary jobs will be created in the construction industry during the construction phase.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Low - Positive (temporary job creation)
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	N/A. This is a positive impact

Degree to which the impact can be reversed:	N/A. This is a positive impact
Indirect impacts:	Very - Low - Positive (contribute to temporary construction jobs).
Cumulative impact prior to mitigation:	Low - Positive
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - Positive
Degree to which the impact can be avoided:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase.
Degree to which the impact can be managed:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Degree to which the impact can be mitigated:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Proposed mitigation:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Residual impacts:	Low – Positive (Temporary jobs to be created during the construction phase).
Cumulative impact post mitigation:	Low - Positive
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE	Low – Positive
Potential impact and risk:	Socio-economic aspect (Medium – Positive)
Nature of impact:	The proposed activity will increase the coverage of telecommunications services, including providing a more reliable and wider coverage. The proposed mast will have a positive impact on the socio-economics of the surrounding area as it will provide communication users with the option of faster internet coverage, cheaper cellular rates and available, stable network coverage which could be critical in the case of an emergency.
Extent and duration of impact:	Regional, Long-term
Consequence of impact or risk:	Please see above. The activity will increase the cellular network coverage within the area. Medium – Positive
Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources:	N/A. Unlikely to cause any loss of resources. This is a positive impact.
Degree to which the impact can be reversed:	N/A. This is a positive impact.
Indirect impacts:	Low – Positive indirect impacts associated with the activity. Improved mobile network coverage within the surrounding area.
Cumulative impact prior to mitigation:	Medium - Positive
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low – Positive
Degree to which the impact can be avoided:	N/A. This is a positive impact that will improve the cellular network coverage within the surrounding area.
Degree to which the impact can be managed:	N/A. This is a positive impact.
Degree to which the impact can be mitigated:	N/A. This is positive impact.
Proposed mitigation:	N/A. This is a positive impact. No mitigation measures required.
Residual impacts:	Low - Positive
Cumulative impact post mitigation: Significance rating of impact after mitigation	Low - Positive
(e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE	Low - Positive
	The project as proposed does not require 'decommissioning' or 'closure',
Potential impact and risk:	as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence: Degree to which the impact may cause irreplaceable	
loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation: Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 1:	Proposed 35m high Monopole Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Heritage and Cultural-Historic Aspects – Due to the site location and nature of the activity, the activity is not expected to have any impacts on heritage and cultural-historic aspects.
Nature of impact:	The loss of heritage, cultural or historic aspects during construction.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Very Low - negative
Probability of occurrence:	Highly unlikely, no cultural or historic aspects of significance were identified on site.
Degree to which the impact may cause irreplaceable loss of resources:	Highly Unlikely
Degree to which the impact can be reversed:	N/A
Indirect impacts:	Negligible; activity unlikely to have a negative indirect impact
Cumulative impact prior to mitigation:	Very Low - Negative
Significance rating of impact prior to mitigation	Very - Low Negative
(e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided:	Low (Likely)
Degree to which the impact can be managed:	 If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must immediately be reported to Heritage Western Cape (HWC) and must not be disturbed further until the necessary approval has been obtained from HWC. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency and HWC. The ECO and Engineer are also to be informed. Implementation of the EMPr.
Degree to which the impact can be mitigated:	Medium (Likely)
Proposed mitigation:	 If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must immediately be reported to Heritage Western Cape (HWC) and must not be disturbed further until the necessary approval has been obtained from HWC. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency and HWC. The ECO and Engineer are also to be informed. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Very Low - Negative
Significance rating of impact after mitigation	Negligible
(e.g. Low, Medium, Medium-High, High, or Very-High)	IzeAliAinie
OPERATIONAL PHASE	
Potential impact and risk:	No heritage or cultural aspects are expected to be impacted during the operational phase since no cultural or historic aspects were identified on site.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Alternative 1:	Proposed 35m high Monopole Mast – (Preferred)

Alternative 1:	Proposed 35m high Monopole Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Ecological aspect
Nature of impact:	Due to the site location and nature of the activity, the activity is expected to have very low negative impact on ecological or biodiversity aspects. The proposed site is not located within a Critical Biodiversity Area ("CBA"), and is covered with some patched of Muscadel Riviere, a critically endangered ecosystem. However, the site is transformed from its natural state due to past development activities on the property.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Negligible
Probability of occurrence:	Highly Unlikely
Degree to which the impact may cause irreplaceable loss of resources:	Highly Unlikely
Degree to which the impact can be reversed:	Definite
Indirect impacts:	Insignificant
Cumulative impact prior to mitigation:	Negligible
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Very-Low negative
Degree to which the impact can be avoided:	Low (Highly Likely)
Degree to which the impact can be managed:	The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: • The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. • No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area. • Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. • The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been

Degree to which the impact can be mitigated:	completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. • Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. • Construction only to take place during normal working hours. • Implementation of the EMPr. Medium The EMPr must be enforced and monitored by the Environmental Control
Proposed mitigation:	 Officer ("ECO"). The following measures should be implemented amongst others: The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area. Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. Construction only to take during normal working hours. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Negligible
Significance rating of impact after mitigation	Negligible
(e.g. Low, Medium, Medium-High, High, or Very-High)	regilgible
Potential impact and risk:	Due to the site location and nature of the activity, the activity is not expected to have any impacts on ecological or biodiversity aspects during the operational phase.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Significance rating of impact prior to mitigation	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk: Nature of impact:	

Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

(e.g. Low, Medium, Medium-High, High, or Very-High)	
Alternative 2:	Tree Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	1 2 7
Potential impact and risk:	Noise Low-negative
Nature of impact:	Noise impact from machinery on the property and neighbouring residential properties during construction.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Localised noise disturbance on site
Probability of occurrence:	Probable
Degree to which the impact may cause irreplaceable loss of resources:	Negligible
Degree to which the impact can be reversed:	Definite
Indirect impacts:	Slight increase in localised ambient noise levels (negligible)
Cumulative impact prior to mitigation:	Lo-negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium – Low negative
Degree to which the impact can be avoided:	Medium
Degree to which the impact can be managed:	 The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr.
Degree to which the impact can be mitigated:	Medium
Proposed mitigation:	The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Low - negative
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - negative
OPERATIONAL PHASE	
Potential impact and risk:	The activity is not expected to have any noise impacts during the operational phase.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	

Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable	
loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
[e.g. Low, Mediotti, Mediotti-night, night, or Very-night)	

Alternative 2:	Tree Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	1
Potential impact and risk:	Visual impact: High-negative. The development of the mast will have a visual impact because of the height of the mast (35m in height) and is located within a residential area of De Hoop, Oudtshoorn.
Nature of impact:	Unsightly views due to construction site
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Localised visual disturbance on site
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	Negligible
Degree to which the impact can be reversed:	Low
Indirect impacts:	Low
Cumulative impact prior to mitigation:	Low-Medium negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	High - negative
Degree to which the impact can be avoided:	Medium
Degree to which the impact can be managed:	Visual impact mitigation measures will be dealt with in the Environmental Management Programme ("EMPr"). The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: • The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. • Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. • The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO.

Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts:	Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. Construction only to take place during normal working hours. Implementation of the EMPr. Probable The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr.
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Cumulative impact post mitigation:	Low - negative
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	High - negative
OPERATIONAL PHASE	T
Potential impact and risk:	Visual impact: High-negative
Nature of impact:	Visual impact: High-negative. The development of the mast will have a visual impact because of the height of the mast (35m in height) and is located within a residential area of De Hoop, Oudtshoorn.
Extent and duration of impact:	Local, Permanent
Consequence of impact or risk:	Low-Medium negative
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	Low - negative
Degree to which the impact can be reversed:	Very Likely
Indirect impacts:	Negligible (Possibly during the harvesting season and holiday season).
Cumulative impact prior to mitigation:	Medium - negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	High - negative
Degree to which the impact can be avoided:	Highly Unlikely (Low)
Degree to which the impact can be managed:	Medium
Degree to which the impact can be mitigated:	Medium
Proposed mitigation:	 Restrict the height of the mast to only 35m; Construct a lattice mast; and Implementation of the EMPr.
Residual impacts:	Very Low - negative
Cumulative impact post mitigation:	Very Low - negative
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	High negative
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 2:	Tree Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	1
Potential impact and risk:	Socio-Economic (Low - Positive)
Nature of impact:	Temporary jobs will be created in the construction industry during the construction phase.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Low - Positive (temporary job creation)
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	N/A. This is a positive impact
Degree to which the impact can be reversed:	N/A. This is a positive impact
Indirect impacts:	Very - Low - Positive (contribute to temporary construction jobs).
Cumulative impact prior to mitigation:	Low - Positive
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low – Positive
Degree to which the impact can be avoided:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase.
Degree to which the impact can be managed:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Degree to which the impact can be mitigated:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Proposed mitigation:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Residual impacts:	Low – Positive (Temporary jobs to be created during the construction phase).
Cumulative impact post mitigation:	Low – Positive
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE	Low - Positive
Potential impact and risk:	Socio-economic aspect (Medium – Positive)
Nature of impact:	The proposed activity will increase the coverage of telecommunications services, including providing a more reliable and wider coverage. The proposed mast will have a positive impact on the socio-economics of the surrounding area as it will provide communication users with the option of faster internet coverage, cheaper cellular rates and available, stable network coverage which could be critical in the case of an emergency.
Extent and duration of impact:	Regional, Long-term
Consequence of impact or risk:	Please see above. The activity will increase the cellular network coverage within the area. Medium – Positive
Probability of occurrence:	Highly Probable
Degree to which the impact may cause irreplaceable loss of resources:	N/A. Unlikely to cause any loss of resources. This is a positive impact.
Degree to which the impact can be reversed:	N/A. This is a positive impact. Low – Positive indirect impacts associated with the activity. Improved
Indirect impacts:	mobile network coverage within the surrounding area.
Cumulative impact prior to mitigation:	Medium - Positive
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - Positive
Degree to which the impact can be avoided:	N/A. This is a positive impact that will improve the cellular network coverage within the surrounding area.
Degree to which the impact can be managed:	N/A. This is a positive impact.
Degree to which the impact can be mitigated:	N/A. This is positive impact.
Proposed mitigation:	N/A. This is a positive impact. No mitigation measures required.
Residual impacts:	Low - Positive
Cumulative impact post mitigation:	Low - Positive
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - Positive
DECOMMISSIONING AND CLOSURE PHASE	1
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
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Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 2:	Tree Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Heritage and Cultural-Historic Aspects – Due to the site location and nature of the activity, the activity is not expected to have any impacts on heritage and cultural-historic aspects.
Nature of impact:	The loss of heritage, cultural or historic aspects during construction.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Very Low - negative
Probability of occurrence:	Highly unlikely, no cultural or historic aspects of significance were identified on site.
Degree to which the impact may cause irreplaceable loss of resources:	Highly Unlikely
Degree to which the impact can be reversed:	N/A
Indirect impacts:	Negligible; activity unlikely to have a negative indirect impact
Cumulative impact prior to mitigation:	Very Low - Negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Very - Low Negative
Degree to which the impact can be avoided:	Low (Likely)
Degree to which the impact can be managed:	 If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must immediately be reported to Heritage Western Cape (HWC) and must not be disturbed further until the necessary approval has been obtained from HWC. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency and HWC. The ECO and Engineer are also to be informed. Implementation of the EMPr.
Degree to which the impact can be mitigated:	Medium (Likely)
Proposed mitigation:	 If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must immediately be reported to Heritage Western Cape (HWC) and must not be disturbed further until the necessary approval has been obtained from HWC. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency and HWC. The ECO and Engineer are also to be informed. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Very Low - Negative
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible

OPERATIONAL PHASE	
Potential impact and risk:	No heritage or cultural aspects are expected to be impacted during the operational phase since no cultural or historic aspects were identified on site.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Alternative 2:	Tree Mast (35m in height)

Alternative 2:	Tree Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Ecological aspect
Nature of impact:	Due to the site location and nature of the activity, the activity is expected to have very low negative impact on ecological or biodiversity aspects. The proposed site is not located within a Critical Biodiversity Area ("CBA"), and is covered with some patched of Muscadel Riviere, a critically endangered ecosystem. However, the site is transformed from its natural state due to past development activities on the property.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Negligible
Probability of occurrence:	Highly Unlikely
Degree to which the impact may cause irreplaceable loss of resources:	Highly Unlikely
Degree to which the impact can be reversed:	Definite
Indirect impacts:	Insignificant
Cumulative impact prior to mitigation:	Negligible
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible
Degree to which the impact can be avoided:	Low (Highly Likely)

	The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others:
Degree to which the impact can be managed:	 The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area. Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. Construction only to take place during normal working hours.
De anne de subiele de cisso and e and be active de de	·
Degree to which the impact can be mitigated:	Medium The EMPr must be enforced and monitored by the Environmental Control
Proposed mitigation:	 Officer ("ECO"). The following measures should be implemented amongst others: The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area. Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. Construction only to take during normal working hours. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Negligible
Significance rating of impact after mitigation	Negligible
(e.g. Low, Medium, Medium-High, High, or Very-High) OPERATIONAL PHASE	<u> </u>
Potential impact and risk:	Due to the site location and nature of the activity, the activity is not expected to have any impacts on ecological or biodiversity aspects during the operational phase.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided:	
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Degree to which the impact can be managed:	

Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
DECOMMISSIONING AND CLOSURE PHASE	•
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

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Alternative 3:	Lattice Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Noise Low-negative
Nature of impact:	Noise impact from machinery on the property and neighbouring residential properties during construction.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Localised noise disturbance on the site
Probability of occurrence:	Probable
Degree to which the impact may cause irreplaceable loss of resources:	Negligible
Degree to which the impact can be reversed:	Definite
Indirect impacts:	Slight increase in localised ambient noise levels (negligible)
Cumulative impact prior to mitigation:	Low-negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Medium - Low negative
Degree to which the impact can be avoided:	Medium
Degree to which the impact can be managed:	 The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr.
Degree to which the impact can be mitigated:	Medium
Proposed mitigation:	The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory.
Residual impacts:	Implementation of the EMPr. Negligible
•	Negligible
Cumulative impact post mitigation:	Low - negative

Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - negative
OPERATIONAL PHASE	•
Potential impact and risk:	The activity is not expected to have any noise impacts during the operational phase.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 3:	Lattice Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Visual impact: High-negative. The development of the mast will have a visual impact because of the height of the mast (35m in height) and is located within a residential area of De Hoop, Oudtshoorn.
Nature of impact:	Unsightly views due to construction site
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Localised visual disturbance on site
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	Negligible
Degree to which the impact can be reversed:	Low
Indirect impacts:	Low
Cumulative impact prior to mitigation:	Low-Medium negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	High - negative
Degree to which the impact can be avoided:	Medium

Degree to which the impact can be managed:	Visual impact mitigation measures will be dealt with in the Environmental Management Programme ("EMPr"). The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: • The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. • Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. • The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. • Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. • Construction only to take place during normal working hours.
	Implementation of the EMPr.
Degree to which the impact can be mitigated:	Probable
Proposed mitigation:	The following measures should be implemented amongst others: The Contractor shall endeavour to keep noise generating activities to a minimum. Construction only to take place during normal working hours. No construction on Sundays. Compliance with the appropriate legislation with respect to noise shall be mandatory. Implementation of the EMPr.
Residual impacts:	Very Low-negative
•	
Cumulative impact post mitigation: Significance rating of impact after mitigation	Low - negative
(e.g. Low, Medium, Medium-High, High, or Very-High)	Medium-high negative
OPERATIONAL PHASE	
Potential impact and risk:	Visual impact: High-negative
Nature of impact:	Visual impact: High-negative. The development of the mast will have a visual impact because of the height of the mast (35m in height) and is
	located within a residential area of De Hoop, Oudtshoorn.
Extent and duration of impact:	located within a residential area of De Hoop, Oudtshoorn. Local, Permanent
Extent and duration of impact: Consequence of impact or risk:	• •
'	Local, Permanent
Consequence of impact or risk:	Local, Permanent Low-Medium negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable	Local, Permanent Low-Medium negative Definite
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources:	Local, Permanent Low-Medium negative Definite Low - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season).
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low)
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr.
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative High - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk: Nature of impact:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative High - negative The project as proposed does not require 'decommissioning' or 'closure',
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk: Nature of impact: Extent and duration of impact:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative High - negative The project as proposed does not require 'decommissioning' or 'closure',
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk: Nature of impact:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative High - negative The project as proposed does not require 'decommissioning' or 'closure',
Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to mitigation: Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed mitigation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) DECOMMISSIONING AND CLOSURE PHASE Potential impact and risk: Nature of impact: Extent and duration of impact:	Local, Permanent Low-Medium negative Definite Low - negative Very Likely Negligible (Possibly during the harvesting season and holiday season). Medium - negative High - negative Highly Unlikely (Low) Medium • Restrict the height of the mast to only 35m; • Construct a lattice mast; and • Implementation of the EMPr. Very Low - negative Very Low - negative High - negative The project as proposed does not require 'decommissioning' or 'closure',

Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 3:	Lattice Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Socio-Economic (Low - Positive)
Nature of impact:	Temporary jobs will be created in the construction industry during the construction phase.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Low - Positive (temporary job creation)
Probability of occurrence:	Definite
Degree to which the impact may cause irreplaceable loss of resources:	N/A. This is a positive impact
Degree to which the impact can be reversed:	N/A. This is a positive impact
Indirect impacts:	Very - Low - Positive (contribute to temporary construction jobs).
Cumulative impact prior to mitigation:	Low - Positive
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - Positive
Degree to which the impact can be avoided:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase.
Degree to which the impact can be managed:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Degree to which the impact can be mitigated:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Proposed mitigation:	N/A. This is a positive impact. Temporary jobs will be created during the construction phase. No mitigation measures required.
Residual impacts:	Low – Positive (Temporary jobs to be created during the construction phase).
Cumulative impact post mitigation:	Low - Positive
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low – Positive
OPERATIONAL PHASE	1
Potential impact and risk:	Socio-economic aspect (Medium – Positive)
Nature of impact:	The proposed activity will increase the coverage of telecommunications services, including providing a more reliable and wider coverage. The proposed mast will have a positive impact on the socio-economics of the surrounding area as it will provide communication users with the option of faster internet coverage, cheaper cellular rates and available, stable network coverage which could be critical in the case of an emergency.
Extent and duration of impact:	Regional, Long-term
Consequence of impact or risk:	Please see above. The activity will increase the cellular network coverage within the area. Medium – Positive
Probability of occurrence:	Highly Probable
Degree to which the impact may cause irreplaceable loss of resources:	N/A. Unlikely to cause any loss of resources. This is a positive impact.
Degree to which the impact can be reversed:	N/A. This is a positive impact.
Indirect impacts:	Low – Positive indirect impacts associated with the activity. Improved mobile network coverage within the surrounding area.
Cumulative impact prior to mitigation:	Medium - Positive
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low – Positive
Degree to which the impact can be avoided:	N/A. This is a positive impact that will improve the cellular network coverage within the surrounding area.
Degree to which the impact can be managed:	N/A. This is a positive impact.
Degree to which the impact can be mitigated:	N/A. This is positive impact.
Proposed mitigation:	N/A. This is a positive impact. No mitigation measures required.

Residual impacts:	Low - Positive
Cumulative impact post mitigation:	Low - Positive
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low - Positive
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	

Alternative 3:	Lattice Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Heritage and Cultural-Historic Aspects – Due to the site location and nature of the activity, the activity is not expected to have any impacts on heritage and cultural-historic aspects.
Nature of impact:	The loss of heritage, cultural or historic aspects during construction.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Very Low - negative
Probability of occurrence:	Highly unlikely, no cultural or historic aspects of significance were identified on site.
Degree to which the impact may cause irreplaceable loss of resources:	Highly Unlikely
Degree to which the impact can be reversed:	N/A
Indirect impacts:	Negligible; activity unlikely to have a negative indirect impact
Cumulative impact prior to mitigation:	Very Low - Negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Very - Low Negative
Degree to which the impact can be avoided:	Low (Likely)
Degree to which the impact can be managed:	 If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must immediately be reported to Heritage Western Cape (HWC) and must not be disturbed further until the necessary approval has been obtained from HWC. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency and HWC. The ECO and Engineer are also to be informed. Implementation of the EMPr.
Degree to which the impact can be mitigated:	Medium (Likely)
Proposed mitigation:	 If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must

	 immediately be reported to Heritage Western Cape (HWC) and must not be disturbed further until the necessary approval has been obtained from HWC. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency and HWC. The ECO and Engineer are also to be informed. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Very Low - Negative
Significance rating of impact after mitigation	Negligible
(e.g. Low, Medium, Medium-High, High, or Very-High)	regiigible
OPERATIONAL PHASE	
Potential impact and risk:	No heritage or cultural aspects are expected to be impacted during the operational phase since no cultural or historic aspects were identified on site.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence:	
Degree to which the impact may cause irreplaceable loss of resources:	
Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation: Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	
DECOMMISSIONING AND CLOSURE PHASE	
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Nature of impact:	
Extent and duration of impact:	
Consequence of impact or risk:	
Probability of occurrence: Degree to which the impact may cause irreplaceable	
loss of resources: Degree to which the impact can be reversed:	
Indirect impacts:	
Cumulative impact prior to mitigation:	
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	
Degree to which the impact can be managed:	
Degree to which the impact can be mitigated:	
Proposed mitigation:	
Residual impacts:	
Cumulative impact post mitigation:	
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	
Alternative 3:	Lattice Mast (35m in height)
PLANNING, DESIGN AND DEVELOPMENT PHASE	•
Potential impact and risk:	Ecological aspect
Nature of impact:	Due to the site location and nature of the activity, the activity is expected to have very low negative impact on ecological or biodiversity aspects. The proposed site is not located within a Critical Biodiversity Area ("CBA"), and is covered with some patched of Muscadel Riviere, a critically

	endangered ecosystem. However, the site is transformed from its natural
	state due to past development activities on the property.
Extent and duration of impact:	Local, Duration of construction phase
Consequence of impact or risk:	Negligible
Probability of occurrence: Degree to which the impact may cause irreplaceable	Highly Unlikely Highly Unlikely
loss of resources: Degree to which the impact can be reversed:	Definite
Indirect impacts:	Insignificant
Cumulative impact prior to mitigation:	Negligible
Significance rating of impact prior to mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible
Degree to which the impact can be avoided: Degree to which the impact can be managed:	 Low (Highly Likely) The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area. Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. Construction only to take place during normal working hours.
Degree to which the impact can be mitigated:	Implementation of the EMPr. Medium
Proposed mitigation:	 The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated. No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area. Construction material must be stored in areas designated by the site agent and in a neat and orderly manner and must not damage natural vegetation. The contractor must ensure that all structures, equipment, materials and facilities used or created on site for or during construction activities are removed once the project has been completed. The construction site must be cleared and cleaned to the satisfaction of the ECO. Immediately after the demolishing of the campsite, the contractor shall restore the site to its original state, paying particular attention to its appearance relative to the general landscape. Construction only to take during normal working hours. Implementation of the EMPr.
Residual impacts:	Negligible
Cumulative impact post mitigation:	Negligible
Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	Negligible
OPERATIONAL PHASE	
Potential impact and risk:	Due to the site location and nature of the activity, the activity is not expected to have any impacts on ecological or biodiversity aspects during the operational phase.
Nature of impact:	

Consequence of impact or risk: Probability of occurrence: Degree to which the impact may cause irreplaceable loss of resources: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to miligation: (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be mitigated: Proposed miligation: Residual impacts: Cumulative impact post mitigation: Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High) PROMMISSIONING AND CLOSURE PHASE Potential impact and risk: Start and duration of impact of impact the mitigation: Estent and duration of impact the properties of resources: Degree to which the impact can be reversed: Indirect impacts: Etent and contains of impact of risk: Probability of occurrence: Degree to which the impact can be reversed: Indirect impacts: Cumulative impact prior to miligation: Significance rating of impact and seversed: Indirect impacts: Cumulative impact prior to miligation: (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be avoided: Degree to which the impact can be avoided: Degree to which the impact can be avoided: Degree to which the impact can be managed: Degree to which the impact can be mitigation: (e.g. Low, Medium, Medium-High, High, or Very-High) Degree to which the impact can be managed: Degree to which the impact can be mitigation: (e.g. tow, Medium, Medium-High, High, or Very-High)	Extent and duration of impact:	
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Note: The EAP may decide to include this section as Appendix J to the BAR. (This section was added as Appendix J to the BAR).