## IDENTIFICATION, ASSESSMENT AND RANKING OF IMPACTS TO REACH THE PROPOSED ALTERNATIVES INCLUDING THE <u>Preferred Alternative</u> within the site

Alternative 1:	Lattice Mast - Preferred Alternative: Noise (Very low negative); Visual (medium-high negative); Cultural Historical (Very low-negative); Socio-economic (low-positive); Ecological aspect (Negligible)	
Alternative 2:	<b>Tree Mast</b> : Not Preferred Alternative: Noise (Very-low negative); Visual (medium-high negative); Cultural Historical (Very low-negative) Socio-economic (low-positive); Ecological aspect (Negligible)	
Alternative 3:	Monopole Mast: Not Preferred Alternative: Noise (Very-low negative); Visual (high-negative); Cultural Historical (Very low-negative) Socio-economic (low-positive); Ecological aspect (Negligible)	
No-go Alternative:	Socio-economic (Low-negative)	

Alternative 1:	Proposed 30m high Lattice Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Noise (Very 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:	Very Low-negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low negative
Degree to which the impact can be avoided:	Medium
Degree to which the impact can be managed:	<ul> <li>The following measures should be implemented amongst others:         <ul> <li>The Contractor shall endeavour to keep noise generating activities to a minimum.</li> <li>Construction only to take place during normal working hours. No construction on Sundays.</li> <li>Compliance with the appropriate legislation with respect to noise shall be mandatory.</li> <li>Implementation of the EMPr.</li> </ul> </li> </ul>
Degree to which the impact can be mitigated:	Low
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:	Very Low - negative
Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Very 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)	
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Alternative 1:	Proposed 30m high Lattice Mast – (Preferred)

Alternative 1:	Proposed 30m high Lattice Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Visual impact (Medium-High negative)
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:	Medium
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)	Medium-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 EAR's.
De anne de cabiele de circa and e anne le cardinante de	Implementation of the EMPr.      Deals and the second of the EMPr.
Degree to which the impact can be mitigated:	Probable  The following was about the implemented group at the con-
	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
Proposed mitigation:	<ul> <li>construction on Sundays.</li> <li>Compliance with the appropriate legislation with respect to noise shall be mandatory.</li> </ul>
	Implementation of the EMPr.
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)  OPERATIONAL PHASE	Low - negative
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 (30m in height) located within an agricultural area of Eendekuil, Piketberg.
Extent and duration of impact:	Local, Permanent
Consequence of impact or risk:	Medium negative (Unsightly views)
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-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
	<ul> <li>Restrict the height of the mast to only 30m;</li> <li>Construct a lattice mast;</li> <li>Galvanise the mast so as to blend in with the surrounding</li> </ul>
Proposed mitigation:	background sky; and
	background sky; and  Implementation of the EMPr.
Residual impacts:	background sky; and  Implementation of the EMPr.  Very Low - negative
Residual impacts:  Cumulative impact post mitigation:	background sky; and  Implementation of the EMPr.
Residual impacts:  Cumulative impact post mitigation:  Significance rating of impact after mitigation	background sky; and  Implementation of the EMPr.  Very Low - negative
Residual impacts:  Cumulative impact post mitigation:  Significance rating of impact after mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative
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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative
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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  Consequence of impact or risk:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  Consequence of impact or risk:  Probability of occurrence:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  Consequence of impact or risk:  Probability of occurrence:  Degree to which the impact may cause irreplaceable loss of resources:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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: 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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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)	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',
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:  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:	background sky; and Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium - negative  The project as proposed does not require 'decommissioning' or 'closure',

Alternative 1:	Proposed 30m high Lattice Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	<u> </u>
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:  Significance rating of impact prior to mitigation	Low - Positive
(e.g. Low, Medium, Medium-High, High, or Very-High)	Low – Positive  N/A. This is a positive impact. Temporary jobs will be created during the
Degree to which the impact can be avoided:	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	Caria accompia sensat (Madium Datitius)
Potential impact and risk:	Socio-economic aspect (Medium – Positive)  The proposed activity will increase the coverage of telecommunications
Nature of impact:	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:  Residual impacts:	N/A. This is a positive impact. No mitigation measures required.  Low - Positive
Cumulative impact post mitigation:	Low - Positive
Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)  DECOMMISSIONING AND CLOSURE PHASE	Low - Positive
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:	
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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 30m high Lattice Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Heritage and Cultural-Historic Aspects (Very low negative) – 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)     If any archaeological remains (including but not limited to fossil
Degree to which the impact can be managed:	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:	Low (Likely)
Proposed mitigation:	<ul> <li>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.</li> <li>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.</li> <li>Implementation of the EMPr.</li> </ul>
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)	Very Low- Negative
OPERATIONAL PHASE	1
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.

Notive of impact	
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	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 30m high Lattice Mast – (Preferred)
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Ecological aspect (Negligible)
Nature of impact:	Due to the site location and nature of the activity, the activity is not expected to have any impacts on ecological or biodiversity aspects. Even though the site is located within a degraded ESA, the activity will have no impact on the ESA as the site is totally 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)
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.

Degree to which the impact can be mitigated:	<ul> <li>No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Construction only to take place during normal working hours.</li> <li>Implementation of the EMPr.</li> <li>Medium</li> <li>The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others:         <ul> <li>The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated.</li> </ul> </li> </ul>
Proposed mitigation:	<ul> <li>No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Construction only to take during normal working hours.</li> <li>Implementation of the EMPr.</li> </ul>
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:	
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:	
Combiante impact post minganori.	<u> </u>

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 2:	Tree Mast
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 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:	Very Low-negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	Low negative
Degree to which the impact can be avoided:	Medium  The following measures should be implemented amongst others:
Degree to which the impact can be managed:	<ul> <li>The Contractor shall endeavour to keep noise generatin activities to a minimum.</li> <li>Construction only to take place during normal working hours. N construction on Sundays.</li> <li>Compliance with the appropriate legislation with respect to nois shall be mandatory.</li> <li>Implementation of the EMPr.</li> </ul>
Degree to which the impact can be mitigated:	Low
Proposed mitigation:	<ul> <li>The following measures should be implemented amongst others:</li> <li>The Contractor shall endeavour to keep noise generatin activities to a minimum.</li> <li>Construction only to take place during normal working hours. No construction on Sundays.</li> <li>Compliance with the appropriate legislation with respect to noise shall be mandatory.</li> <li>Implementation of the EMPr.</li> </ul>
Residual impacts:	Negligible
Cumulative impact post mitigation:	Very Low - negative
Significance rating of impact after mitigation	Very Low - negative
(e.g. Low, Medium, Medium-High, High, or Very-High)	,
OPERATIONAL PHASE  Potential impact and risk:	The activity is not expected to have any noise impacts during the operational phase.
Nature of impact:	P P P P P P P P P P P P P P P P P P P

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	The waste day and an address and was with the commission in all or tales was
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:	
Consequence of impact or risk:  Probability of occurrence:	
Consequence of impact or risk:	
Consequence of impact or risk:  Probability of occurrence:  Degree to which the impact may cause irreplaceable	
Consequence of impact or risk:  Probability of occurrence:  Degree to which the impact may cause irreplaceable loss of resources:	
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:	
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:	
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	
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)	
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:	
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:	
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:	
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:  Proposed mitigation:	
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	
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:	

Alternative 2:	Tree Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Visual impact (Medium-High negative)
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)	Medium-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.

Degree to which the impact can be mitigated:	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.  Probable  The following measures should be implemented amongst others:  The Contractor shall endeavour to keep noise generating
Proposed mitigation:	<ul> <li>activities to a minimum.</li> <li>Construction only to take place during normal working hours. No construction on Sundays.</li> <li>Compliance with the appropriate legislation with respect to noise shall be mandatory.</li> <li>Implementation of the EMPr.</li> </ul>
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)	Low - negative
OPERATIONAL PHASE	_
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 (30m in height) located within an agricultural area of Eendekuil, Piketberg.
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-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:	<ul> <li>Restrict the height of the mast to only 30m;</li> <li>Construct a tree mast;</li> <li>Paint the mast green to blend in with surrounding trees; and</li> <li>Implementation of the EMPr.</li> </ul>
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)	Medium-High negative
DECOMMISSIONING AND CLOSURE PHASE	T
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
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:	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)  DECOMMISSIONING AND CLOSURE PHASE	Low - Positive
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:	- Pro-
	•

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, Medium, Medium-High, High, or Very-High)	
Alternative 2:	Tree Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Heritage and Cultural-Historic Aspects (Very low-negative) – 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:	<ul> <li>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.</li> <li>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.</li> <li>Implementation of the EMPr.</li> </ul>
Degree to which the impact can be mitigated:	Low (Likely)
Proposed mitigation:	<ul> <li>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.</li> <li>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.</li> <li>Implementation of the EMPr.</li> </ul>

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)	Very Low - Negative
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	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 2:	Tree Mast
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Alternative 2:	Tree Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk: Ecological aspect (Negligible)	
Nature of impact:	Due to the site location and nature of the activity, the activity is not expected to have any impacts on ecological or biodiversity aspects. Even though the site is located within a degraded ESA, the activity will have no impact on the ESA as the site is totally 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	Negligible
(e.g. Low, Medium, Medium-High, High, or Very-High)	
Degree to which the impact can be avoided:	Low (Highly Likely)  The EMPr must be enforced and monitored by the Environmental Control
Degree to which the impact can be managed:	<ul> <li>Officer ("ECO"). The following measures should be implemented amongst others: <ul> <li>The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated.</li> <li>No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Construction only to take place during normal working hours.</li> <li>Implementation of the EMPr.</li> </ul> </li> </ul>
Degree to which the impact can be mitigated:	Medium
Proposed mitigation:	<ul> <li>The EMPr must be enforced and monitored by the Environmental Control Officer ("ECO"). The following measures should be implemented amongst others: <ul> <li>The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated.</li> <li>No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Construction only to take during normal working hours.</li> <li>Implementation of the EMPr.</li> </ul> </li> </ul>
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	Due to the site location and nature of the activity, the activity is not
Potential impact and risk:	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:	
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:	Monopole Mast

Alternative 3:	Monopole Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Noise (Very 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:	Very low-negative
Significance rating of impact prior to mitigation (e.g. Low, Medium, Medium-High, High, or Very-High)	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:	Low
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:	Very low - negative
Significance rating of impact after mitigation	
(e.g. Low, Medium, Medium-High, High, or Very-High)	Very 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	
	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)	
	Monopole Mast

Alternative 3:	Monopole Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Visual impact (Medium-High negative)
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:	Medium
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)	Medium-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.
	<ul> <li>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.</li> <li>Construction only to take place during normal working hours.</li> <li>Implementation of the EMPr.</li> </ul>
Degree to which the impact can be mitigated:	Probable  The following recognition of the second decrease of the se
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
·	<del>                                     </del>
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	
	Visual impact (Madium High pagetive)
Potential impact and risk:	Visual impact (Medium-High negative)
Potential impact and risk:  Nature of impact:	Visual impact (Medium-High negative)  The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.
Potential impact and risk:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an
Potential impact and risk:  Nature of impact:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.
Potential impact and risk:  Nature of impact:  Extent and duration of impact:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative
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	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely
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)	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)
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)	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  Medium
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m;  • Construct a monopole mast;  • Galvanise the mast so as to blend in with the background sky; and
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative  Very Low - negative
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative
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:  Proposed mitigation:  Residual impacts:  Cumulative impact post mitigation:  Significance rating of impact after mitigation	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative  Very Low - negative
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	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative  Very Low - negative
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	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium-High negative  The project as proposed does not require 'decommissioning' or 'closure',
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:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium-High negative  The project as proposed does not require 'decommissioning' or 'closure',
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  Potential impact and risk:  Nature of impact:	The development of the mast will most probably have a visual impact because of the height of the mast (30m in height) located within an agricultural area of Eendekuil, Piketberg.  Local, Permanent  Medium negative (Unsightly views)  Definite  Low - negative  Very Likely  Negligible (Possibly during the harvesting season and holiday season).  Medium - negative  Medium-High negative  Highly Unlikely (Low)  Medium  • Restrict the height of the mast to only 30m; • Construct a monopole mast; • Galvanise the mast so as to blend in with the background sky; and • Implementation of the EMPr.  Very Low - negative  Very Low - negative  Medium-High negative  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 3:	Monopole Mast
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	
Potential impact and risk:	Socio-economic aspect (low – 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:	Monopole Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Heritage and Cultural-Historic Aspects (Very low-negative) – 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:	<ul> <li>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.</li> <li>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.</li> <li>Implementation of the EMPr.</li> </ul>
Degree to which the impact can be mitigated:	Low (Likely)
Proposed mitigation:	<ul> <li>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</li> </ul>

	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	Very low - Negligible
(e.g. Low, Medium, Medium-High, High, or Very-High)	Very low - 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)	
Alberta edition 2.	Monopole Mast
Alternative 3:	
PLANNING, DESIGN AND DEVELOPMENT PHASE	

Alternative 3:	Monopole Mast
PLANNING, DESIGN AND DEVELOPMENT PHASE	
Potential impact and risk:	Ecological aspect (Negligible)
Nature of impact:	Due to the site location and nature of the activity, the activity is not expected to have any impacts on ecological or biodiversity aspects. Even though the site is located within a degraded ESA, the activity will have no

impact on the ESA as the site is totally transformed from its natural state
due to past development activities on the property.  Local, Duration of construction phase
Negligible
Highly Unlikely
Highly Unlikely
Definite
Insignificant
Negligible
Negligible
Low (Highly Likely)  The EMPr must be enforced and monitored by the Environmental Control
<ul> <li>Officer ("ECO"). The following measures should be implemented amongs others: <ul> <li>The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated.</li> <li>No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Construction only to take place during normal working hours.</li> <li>Implementation of the EMPr.</li> </ul> </li> </ul>
Implementation of the EMPT.  Medium
<ul> <li>The EMPr must be enforced and monitored by the Environmental Contro Officer ("ECO"). The following measures should be implemented among others: <ul> <li>The contractor shall restrict all his activities, materials, equipment and personnel to within the area specified/demarcated.</li> <li>No further encroachment onto the degraded ESA on site, construction activities to be clearly restricted to demarcated construction area.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Construction only to take during normal working hours.</li> <li>Implementation of the EMPr.</li> </ul> </li> </ul>
Negligible
Negligible

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:	
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	
	The project as proposed does not require 'decommissioning' or 'closure'
Potential impact and risk:	The project as proposed does not require 'decommissioning' or 'closure', as such the potential impacts thereof is considered irrelevant.
Potential impact and risk:  Nature of impact:	
Potential impact and risk:	
Potential impact and risk:  Nature of impact:	
Potential impact and risk:  Nature of impact:  Extent and duration of impact:  Consequence of impact or risk:  Probability of occurrence:	
Potential impact and risk:  Nature of impact:  Extent and duration of impact:  Consequence of impact or risk:	
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	
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:	
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:	
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)	
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	
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)	
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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:	
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:	
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