

APPENDIX 10: VEGETATION LETTER

Your ref:
Our ref: 41748/2019/MVR/mvr

13 March 2019

TERRATEST (PTY) LTD
PO BOX 794
HILTON
3245

Submitted via email: patakr@terratest.co.za

ATTENTION: Riona Patak

Dear Riona,

RE: ASSESSMENT OF THE VEGETATION ON ERF 61 OF LINCOLN MEADE ASSOCIATED WITH THE PROPOSED LINCOLN MEADE RESIDENTIAL DEVELOPMENT IN PIETERMARITZBURG, KWAZULU-NATAL

This letter serves as confirmation that based on the assessment of the vegetation on the development site associated with the proposed Lincoln Meade Residential Development on Erf 61, it is my opinion as a Vegetation Specialist that the vegetation on the site is highly transformed by anthropogenic impacts.

These impacts have allowed the encroachment of a large number of alien invasive plant species which has decreased the biodiversity value of the vegetation.

The anthropogenic impacts that has allowed the heavy alien infestation is substantiation of this specialist's opinion that the amount of indigenous vegetation that will be cleared during the establishment of the development will not exceed 300m².

If you need any further clarity regarding our quotation, please feel free to contact me directly.

Yours sincerely,



Magnus van Rooyen
(for TERRATEST (Pty) Ltd)

Your ref:
Our ref: 41748/2018/MVR/mv

13 September 2018

TERRATEST (PTY) LTD
PO BOX 794
HILTON
3245

Submitted via email: patakr@terratest.co.za

ATTENTION: Riona Patak

Dear Riona,

**RE: ASSESSMENT OF THE VEGETATION ON ERF 61 OF LINCOLN MEADE
ASSOCIATED WITH THE LINCOLN MEADE RESIDENTIAL DEVELOPMENT IN
PIETERMARITZBURG, KWAZULU-NATAL**

Please find below the high level assessment of the vegetation on Erf 61 of Lincoln Meade associated with the Lincoln Meade Residential Development in Pietermaritzburg, KwaZulu-Natal.

BACKGROUND

It is understood that the proposed development site is located within the urban area of Pietermaritzburg with access off Grimthorpe Road in the Lincoln Meade Residential area.

The residential development will make provision for the establishment of 23 residential units and associated services infrastructure (water, sewer, electricity and access roads). The layout of the proposed development is provided in the figure below.

The development layout makes provision for the location of the residential units and associated infrastructure outside of the delineated wetland area that occurs on the development property.

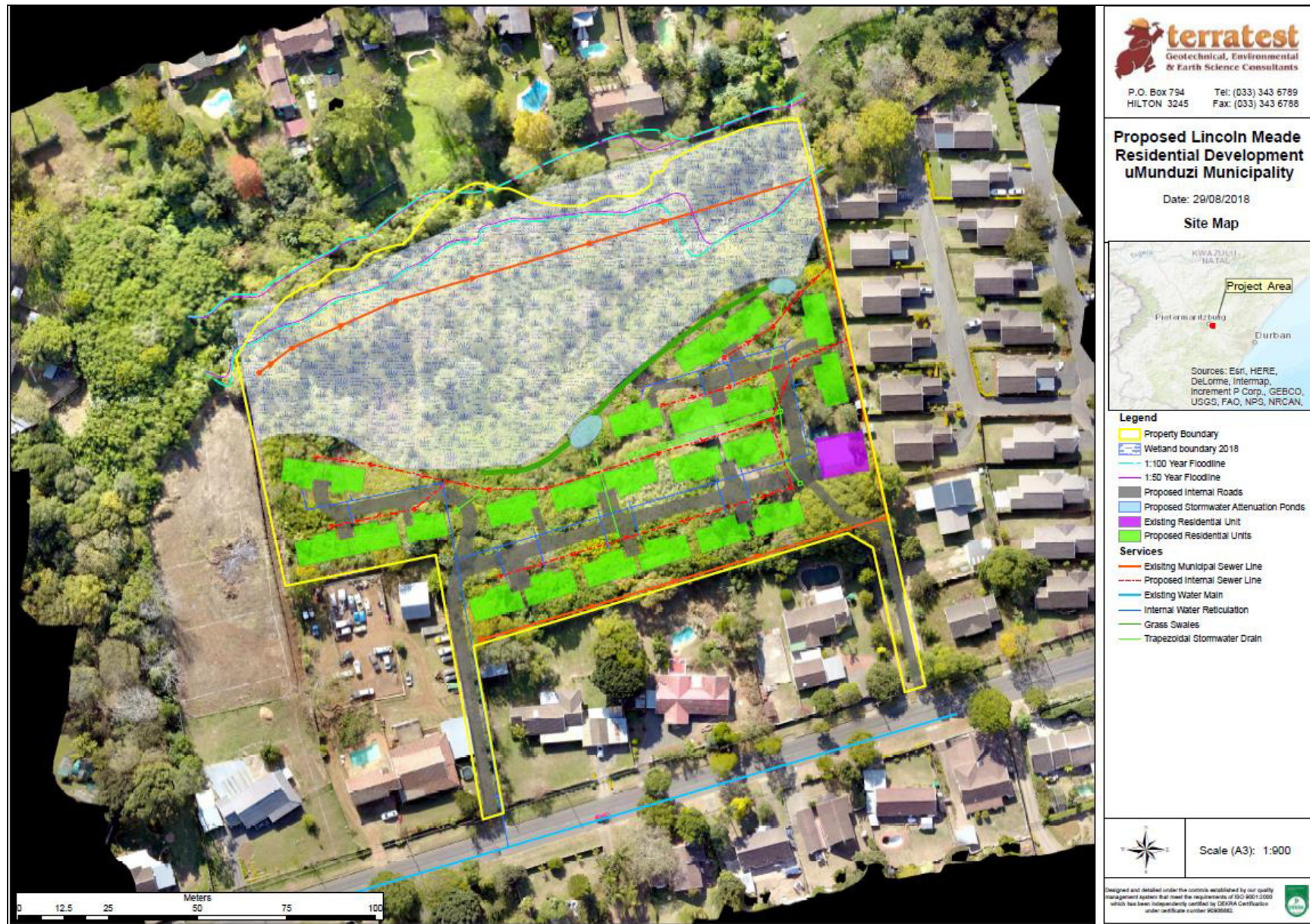


Figure 1: Layout of the proposed development

VEGETATION ASSESSMENT

The assessment of the vegetation that will be affected by the proposed development has as goal to determine the level of indigenous vegetation that is present on the site. To this end a site visit was conducted on 20 June 2018 to evaluate the vegetation species composition in the area that will be transformed for the establishment of the residential units and associated infrastructure.

The vegetation on the site is dominated by alien invasive species typical to the larger area. The species that were identified during the site visit are contained in the table below:

Table 1: Alien vegetation species on the development site

Scientific name	Common name	CARA status
<i>Solanum mauritianum</i>	Bug Weed	Category 1
<i>Lantana camara</i>	Common Lantana	Category 1
<i>Chromolaena odorata</i>	Triffid Weed	Category 1
<i>Schinus terebinthifolius</i>	Brazilian Pepper Tree	Category 1
<i>Cardiospermum grandiflorum</i>	Balloon Vine	Category 1
<i>Ageratum conyzoides</i>	Ageratum	Category 1
<i>Ricinus communis</i>	Castor-oil Plant	Category 2
<i>Macfadyena unguis-cati</i>	Cat's Claw Creeper	Category 1
<i>Arundo donax</i>	Giant Reed	Category 1
<i>Psidium guajava</i>	Guava	Category 2
<i>Montanoa hibiscifolia</i>	Tree Daisy	Category 1
<i>Melia azedarach</i>	Syringa	Category 3
<i>Jacaranda mimosifolia</i>	Jacaranda	Category 3



Plate 1: View of the *Cardiospermum grandiflorum* (Balloon Vine) on the site



Plate 2: View of the *Lantana camara* (Common Lantana) on the site



Plate 3: View of the *Schinus terebinthifolius* (Brazilian Pepper Tree) on the site



Plate 4: View of the *Solanum mauritianum* (Bug Weed) on the site

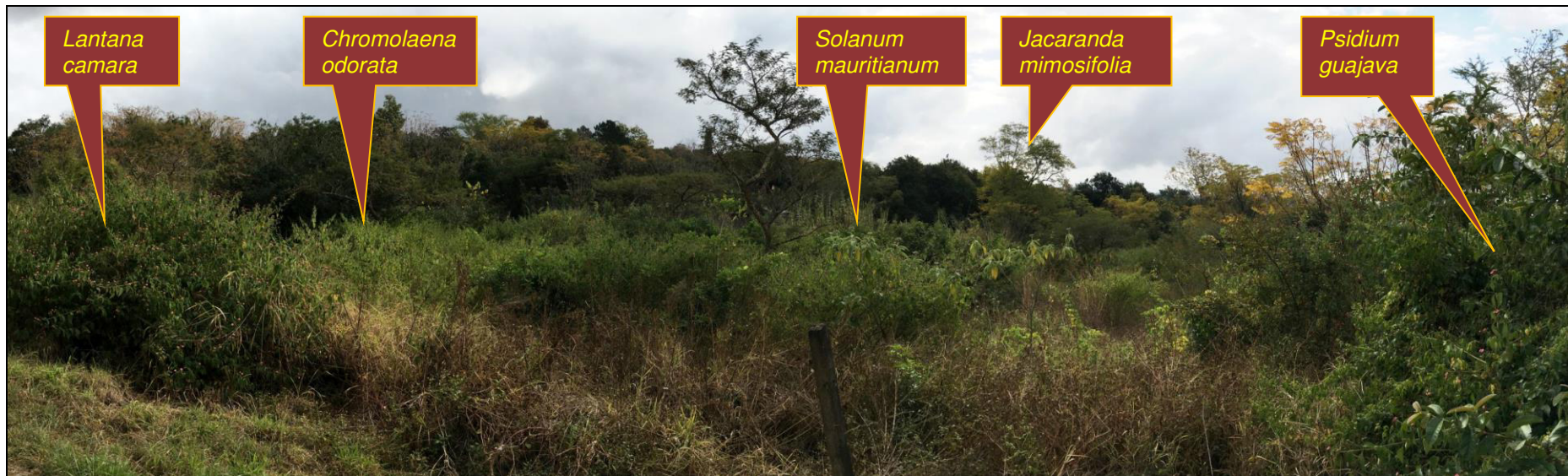


Plate 5: View of the alien vegetation on the site

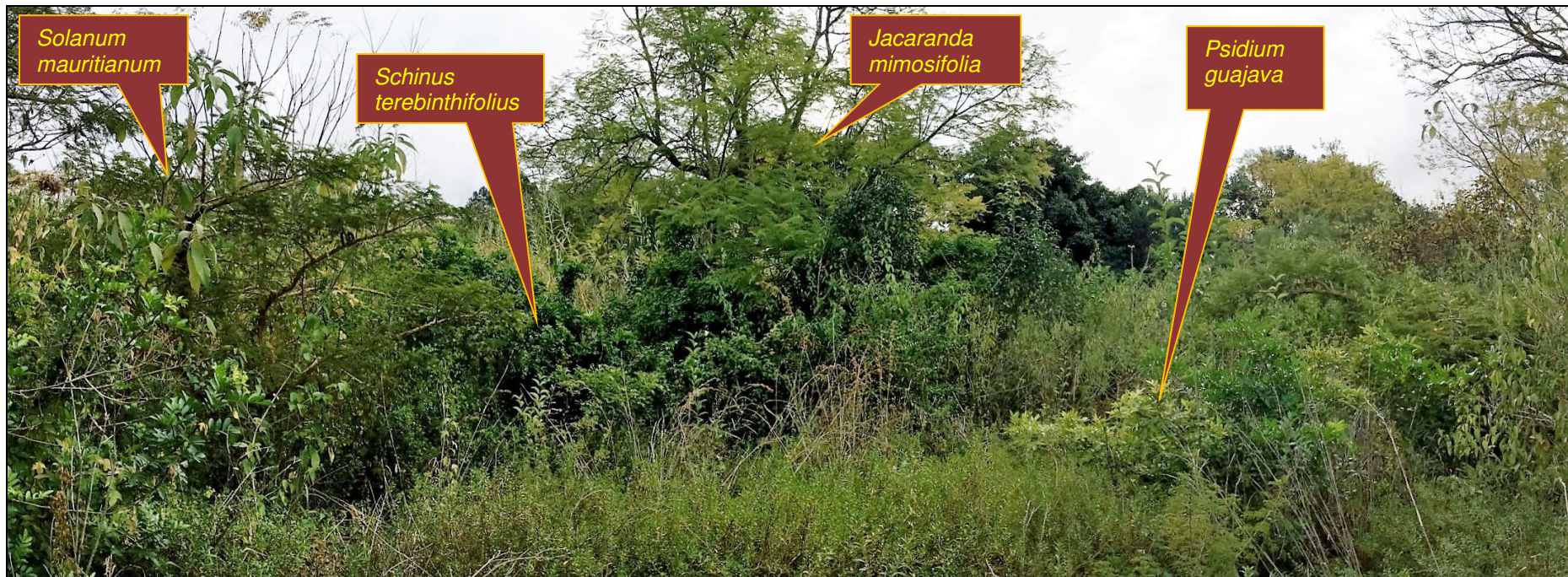


Plate 6: View of the alien vegetation on the site



Plate 7: View of the alien vegetation on the site

The woody indigenous plant species that occur on the property is dominated by several small to medium size *Acacia sieberiana* (Paper Bark Thorn) and a single *Acacia nilotica* (Scented Thorn).



Plate 8: View of one of the *Acacia sieberiana* (Paper Bark Thorn) on the site



Plate 9: View of the *Acacia nilotica* (Scented Thorn) on the site

It is clear that the vegetation on the property that will be affected by the implementation of the proposed development is dominated by a heavy infestation of alien invasive species. The number of indigenous plant species within this area is very limited.

CONCLUSION

Considering the Listed Activities contained in the National Environmental Management Act (Act No. 107 of 1998): Environmental Impact Assessment (EIA) Regulations of 2014, as amended that relates to the removal of indigenous vegetation, the following Listed Activities are potentially applicable to this proposed development.

Table 2: Potential Listed Activities triggered by the proposed development

Government Notice	Listed Activity	Description
GN R.327 Listing Notice 1	27	The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation except where such clearance of indigenous vegetation is required for – (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.

Based on the findings of the assessment of the vegetation contained on the development footprint, it is considered that the amount of indigenous vegetation that will require clearing from the area will be less than 10 000m² (1 ha).

This being the case, the Listed Activity provided above will not require an Environmental Authorisation before the development can commence.

If you require any additional information in this regard, please feel free to contact me.

Yours sincerely,



Magnus van Rooyen
 (for TERRATEST (Pty) Ltd)