



The following provides guidance on how to effectively protect the Endangered Western Leopard Toad (*Amietophrynus pantherinus*) through the design or planning phase of any proposed development that falls within the distribution range of the Western Leopard Toad ('WLT'). Please note that for properties containing breeding sites additional ecological buffers to the waterbody or watercourse will be needed. The details of the ecological buffer areas must be discussed with the City of Cape Town: Environmental Resource Management. This checklist should also be used in conjunction with the Construction Phase Environmental Guideline and Checklist.

WLT-friendly design requirements:

Walls	Complied with (√)
<ul style="list-style-type: none"> • Provide permeable internal and external fences / walls (i.e. palisade fencing etc.) 	
<ul style="list-style-type: none"> • Solid street boundary walls to provide 40% visual permeability down to ground level in compliance with City Policy. 	
<ul style="list-style-type: none"> • Solid lateral boundary walls must have ground-level gaps of 10 x 15 cm at 10m intervals as minimum. 	
<ul style="list-style-type: none"> • Level difference on either side of wall must be mitigated by providing steps at each gap where there is a substantial drop to ground level 	
Gutters and Kerbs	
<ul style="list-style-type: none"> • All guttering to be toad friendly (less than 45° angle to sides) 	
<ul style="list-style-type: none"> • Slanted or lowered kerbstones will be used (less than 45° angle to sides) 	
<ul style="list-style-type: none"> • Grids with mesh size of 5 x 5mm will be placed on top of all existing steep sided drains, gutters, canals and open pits 	
Retaining Walls & Structures	
<ul style="list-style-type: none"> • Retaining wall steps vegetated with indigenous plant species 	
<ul style="list-style-type: none"> • Retaining wall steps wide enough to allow faunal movement (i.e. up and over) 	
Artificial Pools & Ponds	
<ul style="list-style-type: none"> • Design the edges of pools and ponds to be gently sloping to ensure that animals can get out 	
<ul style="list-style-type: none"> • Install Beach Pools 	
<ul style="list-style-type: none"> • Provide a plank or shade-cloth on the edge of any existing pool (i.e. <i>toadsavers</i> - see website) 	
Landscaping	
<ul style="list-style-type: none"> • Indigenous plant species (preferably locally indigenous species) to be used for landscaping 	

<ul style="list-style-type: none"> • Suitable cover for WLT and other organisms created through landscaping, logs, rockeries or woodpiles etc. 	
<ul style="list-style-type: none"> • Paved and grassed areas must be kept to a minimum 	
<ul style="list-style-type: none"> • Rainwater must be directed into the garden 	
<ul style="list-style-type: none"> • A designated area for compost heaps must be provided 	
<ul style="list-style-type: none"> • Check stockpiled material and compost heaps for animals prior to material being moved 	
<ul style="list-style-type: none"> • No herbicides and pesticides to be used in landscaped / garden areas 	
<ul style="list-style-type: none"> • Garden service to be informed and educated about the WLT 	
<ul style="list-style-type: none"> • Implement an effective alien plant species clearing programme 	
Rivers / Streams / Wetlands	
<ul style="list-style-type: none"> • Allow for adequate ecological buffer areas around all water bodies and watercourses. (<i>Details can be confirmed with the City of Cape Town</i>) 	
<ul style="list-style-type: none"> • Ensure no pollution / contamination of buffer areas of river/stream/wetland or pond 	
<ul style="list-style-type: none"> • Prevent soil erosion and pollution on site 	
Storm Water System	
<ul style="list-style-type: none"> • Ensure that storm water system is free of silt build-up 	
<ul style="list-style-type: none"> • Ensure that no contaminants / pollution enter the storm water system as this ends up in our rivers and wetlands 	
Roads & Traffic	
<ul style="list-style-type: none"> • Provide speedbumps on internal roads to reduce speed of motorists & prevent WLT road mortalities 	
<ul style="list-style-type: none"> • Provide signage (temporary or permanent) within the development boundaries to create awareness 	
<ul style="list-style-type: none"> • Provide safe passages for WLT to cross roads (i.e. under passes covered with grids etc.) 	
Operational Phase of Development	
<ul style="list-style-type: none"> • Environmental Awareness and Education will be provided to all residence 	
<ul style="list-style-type: none"> • Digging of trenches during the operational phase/ subsequent construction activities must always be managed (i.e. check and release of trapped toads early each morning) 	
<ul style="list-style-type: none"> • No dumping and covering of building rubble or rubbish on premises – during or after construction 	
<ul style="list-style-type: none"> • Implement an adequate recycling / waste management system 	
General	
<ul style="list-style-type: none"> • Ensure that no structures are built that would act as pitfall traps for animals 	
<ul style="list-style-type: none"> • Reporting any harm done to naturally occurring fauna & flora to the relevant authorities 	

For more information please see: www.leopardtoad.co.za or contact the City of Cape Town: Environmental Resource Management in Plumstead at 021 – 444 2239.
 Compiled by Suretha Dorse (Suretha.dorse@capetown.gov.za)