THEORY OF PERMACULTURE DESIGN ZONES

Permaculture zones for homesteads Permaculture zones for village clusters Zone The People Zone 00 The Individual Village green and town square Zone 0 Home dwelling Social self sufficiency - commercial, public and entertainment facilities Domestic self sufficiency - pick and pluck Zone 1 plants for daily usage Dwellings and homestead gardens Small animal stock and orchards Zone 2 Agricultural allotments Crops, forage and stored food Zone 3 Gathering, forage, forestry and pastures Orchards and passive open space Zone 4 Natural environment Zone 5 Natural environment

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SUSTAINABLE DESIGN STRATEGY

Key Performance Indicators	Action Plans	Critical Su Facto
Compilation of training programme for sustainable lifestyles.	Design suitable training courses for housing beneficiaries.	Zone 00 – Sens train housing beneficiaries ab sustainable lifes
Town plan layout modified to include a village green and town square.	Design concept for a village green and town square.	Zone 0 – Estab village green ar square
Town plan layout modified to include development nodes for commercial, public and entertainment facilities.	Design concept for development node(s) with commercial, public and entertainment facilities.	Zone 1 – Establ facilities for soci sufficiency
Dwellings designed and sited with best orientation. Dwellings designed with a homestead garden.	Design concepts for dwellings with attributes for enhanced sustainability.	Zone 2 – Estab dwellings with h gardens for food
Town plan layout modified to include agricultural allotments.	Design concepts for agricultural allotments.	Zone 3 – Estab agricultural allot income generat
Town plan layout modified to include orchards, passive open space and urban greening.	Design concepts orchards, passive open space and urban greening.	Zone 4 – Estab orchards, passiv space and urba
Town plan layout modified to include the natural environment.	Design concepts for the natural environment.	Zone 5 – Estab natural environr



Objectives



SUSTAINABLE DESIGN COMPONENTS

# Critical Success Factor Action Plans Sub # Designation	yn Components		
1a Sensitisation towa	ards sustainable lifestyles		
Zone 00 – Sensitize Design suitable training 1b Basic Permacultu	ire design course		
1 and train housing courses for housing 1c Natural earth buil	ding course		
	culture design course		
1e Ecovillage design	n course		
2a Playground			
2b Amphitheatre			
Zono 0 Establish a 2c Tea garden			
2 village green and town green and town square. 2d Community hall			
square 2e Pedestrian walkw	ays		
2f Water features			
2g Sports kick aroun	d area		
Zone 1 Example Design concept for 3a Commercial facili	ities for SMEs		
2 Cone 1 – Establish development node(s) with 2b Public facilities for	or local municipality		
sufficiency commercial, public and 3c Entertainment facilities. 3c Entertainment facilities.			
Zono 2 Establish Design concepts for dwellings	ngs for young families		
4 dwellings with homestead with attributes for enhanced 40 Residential build	ngs for mature families		
gardens for food security sustainability.	ngs for pensioners		
4d Homestead garde			
5a Site infrastructure			
Zone 3 – Establish Design concepts for allotments	sting / irrigation system for		
5 agricultural allotments for agricultural allotments. 5c Fruit trees and pla	ant material		
5d Sheds and small	tools		
5e Market gardeners	s co-operative		
6a Fruit and nut tree	s for orchard areas		
Zone 4 – Establish	sting / irrigation systems		
6 orchards, passive open passive open space and urban 6c Tree nursery			
space and urban greening. 6d Demarcated walk	ways and footpaths		
greening 6e Indigenous, fruit a greening	and nut trees for urban		
	nt and water course for visual		
7a and sound barrier			
Zone 5 – Establish the Design concepts for the 7b Indigenous trees	and plant materials		
7 natural environment natural environment. 7c Earth embankme	nts for wetlands		
7d Demarcated walk	ways and footpaths		
7e Aquaculture spec	lion		

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MARIKANA HOUSING PROJECT – PHASE 1 SUSTAINABLE DESIGN CONCEPT



CONSCIOUS CHOICE

