Chapter 4: PROJECT DESCRIPTION

4.1 Project Promoter
4.2 Scale of Undertaking
4.3 Project Team
4.4 Consultation
4.5 Design of the Undertaking
  4.5.1 Road Planning & Design
  4.5.2 Morcellement Plot Layout
  4.5.3 Layout/Specs of internal access roads
  4.5.4 Pedestrian traffic & Safety
  4.5.5 Provisions of Open/Green spaces
  4.5.6 Utilities
4.6 Purpose & Justification of Undertaking
4.7 Implementation Schedule
4.8 Alternatives

Chapter 5: PROVISION OF SERVICES

5.0 Introduction
5.1 Roads
5.2 Drainage and Road Side Drains
5.3 Potable Water Supply
5.4 Estimated Traffic Flow
5.5 Waste Water Disposal
  5.5.1 The Approach
  5.5.2 Soil Absorption Characteristics
  5.5.3 Sewerage Treatment Disposal
  5.5.4 Preliminary Design of Septic Tank
  5.5.5 Absorption Pit
  5.5.6 Preliminary Design of Individual Absorption Pit
  5.5.7 Water Table and Degradation Action
  5.5.8 Desludging
  5.5.9 Statutory Requirements
5.6 Solid Waste Disposal
5.7 Electricity Supply

Chapter 6: PREDICTED ENVIRONMENTAL IMPACTS & MITIGATING MEASURES

6.0 Introduction
6.1 Environmental Impacts of the Proposed Development
  6.1.1 Potential Impacts
  6.1.2 Air Quality
    6.1.2.1 Source of Impact
    6.1.2.2 Mitigating Measures
Proposed Residential Morcellement at St Croix, Terre Rouge

6.1.3 Flora & Fauna
  6.1.3.1 Source of Impact
  6.1.3.2 Mitigating Measures
6.1.4 Noise Pollution & Vibrations
  6.1.4.1 Source of Impact
  6.1.4.2 Mitigating Measures
6.1.5 Effects of Altering the Landscape & Visual Impact
  6.1.5.1 Source of Impact
6.1.6 Traffic Impact
  6.1.6.1 Source of Impact
6.1.7 Surface run-off
  6.1.7.1 Source of Impact
  6.1.7.2 Mitigating Measures
6.1.8 Solid Wastes
  6.1.8.1 Source of Impact
  6.1.8.2 Mitigating Measures
6.1.9 Soil & Geology
  6.1.9.1 Source of Impact
6.1.10 Effluents
  6.1.10.1 Source of Impact
  6.1.10.2 Mitigating Measures
6.1.11 Hydrocarbon Wastes
  6.1.11.1 Source of Impact
  6.1.11.2 Mitigating Measures
6.1.12 Increase Demand on Public Utilities
  6.1.12.1 Potable Water
    6.1.12.1.1 Source of Impact
    6.1.12.1.2 Mitigating Measures
  6.1.12.2 Electricity
    6.1.12.2.1 Source of Impact
    6.1.12.2.2 Mitigating Measures
6.2 Impacts on Human Settlement
6.3 Assessment of Employment

Chapter 7: ENVIRONMENT MONITORING PLAN

7.0 Introduction
7.1 EMP during Implementation & at Operation Phase
  7.1.1 Dust
  7.1.2 Fumes
  7.1.3 Noise Pollution
7.2 Environment Management Plan
  7.2.1 Construction Phase
  7.2.2 Operation Phase
  7.2.3 Monitoring Stage
  7.2.4 Maintenance Stage
Proposed Residential Morcellement at St Croix, Terre Rouge

7.2.5 Auditing Stage 67
7.3 Environment Monitoring Plan Matrix 67
  7.3.1 Environment Monitoring Plan Matrix-Construction Phase 67
  7.3.2 Environment Monitoring Plan Matrix-Operation Phase 69

Chapter 8: IMPLEMENTATION, MONITORING & CONCLUSION 70

8.0 Introduction 70
8.1 Project Timetable 70
8.2 Work Programme 70
8.3 Monitoring 71
8.4 Findings of the EIA Report 71
8.5 Enhancement Opportunity & Positive Impacts 73

LIST OF ANNEXES

Annex Title
1A Certificate of Incorporation
1B Land Surveyor’s Plan
1C Correspondence with DoE
1D Land Surveyor’s Report
1E Mandat de Development from Land owners
2A Location Plan (Land Surveyor)
2B Extract of Outline Scheme
2C Aerial Context Plan (Google)
2D Contour/Topographical Plan
4A Morcellement Layout Plan with Lots No. & Sizes
4B Morcellement Road Layout
4C Site Plan with Proposed Green/Open Spaces
5A Letter from CEB for supply of electricity
Proposed Residential Morcellement at St Croix, Terre Rouge

LIST OF TABLES

Table 2.8a: Climatological Characteristics of the North Area
Table 4.2a: List of Residential Plot No. and Plot Size
Table 6.1a: Environmental Impacts caused by proposed development
Table 6.2a: Summary of Impacts and Mitigation measures
Table 7.1a: Environment Management Plan during Construction phase
Table 7.2a: Environment Management Plan during Operation phase
Table 7.3a: Environment Monitoring Plan Matrix- Construction phase
Table 7.3b: Environment Monitoring Plan Matrix- Operation phase

ACRONYMS

MPL   Municipal Council of Port Louis
NDS   National Development Strategy
PPG   Planning Policy Guidance
CWA   Central Water Authority
CEB   Central Electricity Board
MT    Mauritius Telecom
SETW  South East Trade Winds
DoE   Department of Environment
EIA   Environment Impact Assessment
EPA   Environment Protection Act
MESD  Ministry of Environment & sustainable Development
MHL   Ministry of Housing & Lands
TMRSU Traffic Management & Road Safety unit
WMA   Wastewater Management Authority

REFERENCES

- Outline Scheme, Municipal Council of Port Louis
- National Development Strategy, Ministry of Housing & Lands
- Planning Policy Guidance, Residential Development, Ministry of Housing & Lands
- Mauritius Environment Outlook Report, Ministry of Environment & Sustainable Development
- Environmental Laws of Mauritius
- Website of Ministry of Environment & SD
- Report on Flood Prone Areas, Water Resources Unit
- Website of Mauritius Meteorological Services, Mauritius