TABLE OF CONTENTS

List of List of Non- t	of contone of tables of figures the contone of the cont		Page i ii vi vii viii
1.2		n Project Proponent	2
1.3	Project		3
1.4	•	Justification nvironment Impact Assessment	4 5
CHAP	TER 2:	SITE DESCRIPTION	
2.1	Project	Site Location	7
2.2	Legal, ı	egulatory and administrative framework	7
	2.2.1	Land Ownership and extent	7
	2.2.2	Legal requirements, Planning & Policies	8
		2.2.2.1 National Development Plan	8
		2.2.2.2 The Outline Planning Scheme for Pamplemousses District	9
		2.2.2.3 Forests and Reserves Act 1983	11
		2.2.2.4 Sugar Industry Efficiency Act 2001	12
		2.2.2.5 Morcellement Act	13
		3	13
2.3		aracteristics	13
		Existing features and land use	13
		Surrounding Environment	18
	2.3.3	Geological, Topographical and Soil characteristics	21
		2.3.3.1 Topography	21
		2.3.3.2 Geology	21
		2.3.3.3 Soil	21
	2.3.4	Climate	24
		2.3.4.1 Temperature	24
		2.3.4.2 Rainfall	24
	225	2.3.4.3 Wind regime	24
	2.3.5 2.3.6	Hydrology Water bodies and wetlands	25 26
	2.3.7	Fauna and Flora	26
	2.3.1	i auna anu i iora	۷۵
		PROJECT DESCRIPTION	
3.1	Introdu		28
3.2	-	otion of morcellement	28
3.3	water r	esources and supply	30

	Proposed Residential Morcellement at L'Amitié Notre Dame by Terragri Ltd	
3.4	Electricity supply and Telecommunications services	31
3.5	Road and drainage system	32
	3.5.1 Access road	32
	3.5.2 Road reserve and pedestrian traffic	34
	3.5.3 Street lighting	34
	3.5.4 Drainage system	34
	3.5.4.1 Re-alignment of existing drain	35
	3.5.5 Road furniture	35
3.6	Wastewater collection and disposal	36
3.7	Solid waste management	36
3.8	Green spaces and Landscaping	37
3.9	Project Implementation Plan	38
	,	
CHAP	PTER 4: METHOD OF ASSESSMENT OF BASELINE ENVIRONMENT	
4.1	Introduction	39
4.2	Methodology for collection of Baseline information	39
	4.2.1 Noise assessment survey	39
	4.2.2 Soil investigation	40
	4.2.2.1 Soil profile	41
	4.2.2.2 Percolation	41
	4.2.2.3 Water table	41
4.3	Consultations	41
4.4		• •
	Identification of further studies	44
7.7	Identification of further studies	44
	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR	
CHAP		
CHAP	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR	
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction	45
CHAP	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR GATION Introduction Impacts and Mitigation measures during pre-construction and	45
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction	45 45
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land	45 45 45
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna	45 45 45 45
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste	45 45 45 45 46
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater	45 45 45 45 46 48
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages	45 45 45 45 46 48 48
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform	45 45 45 45 46 48 48 49
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality	45 45 45 45 46 48 48 49 50
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform	45 45 45 45 46 48 48 49
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality	45 45 45 45 46 48 48 49 50
CHAP MITIG 5.1	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality 5.2.3 Impacts on noise level	45 45 45 45 46 48 48 49 50 51
CHAF MITIG 5.1 5.2	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality 5.2.3 Impacts on noise level 5.2.4 Impacts on traffic flow	45 45 45 45 46 48 48 49 50 51
CHAF MITIG 5.1 5.2	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality 5.2.3 Impacts on noise level 5.2.4 Impacts on traffic flow Impacts and Mitigation measures during Operational phase	45 45 45 45 46 48 48 49 50 51 53 54
CHAF MITIG 5.1 5.2	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality 5.2.3 Impacts on noise level 5.2.4 Impacts on traffic flow Impacts and Mitigation measures during Operational phase 5.3.1 Generation of solid waste	45 45 45 45 46 48 49 50 51 53 54
CHAF MITIG 5.1 5.2	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality 5.2.3 Impacts on noise level 5.2.4 Impacts on traffic flow Impacts and Mitigation measures during Operational phase 5.3.1 Generation of solid waste 5.3.2 Wastewater generation	45 45 45 45 46 48 48 49 50 51 53 54 54
CHAF MITIG 5.1 5.2	PTER 5: PREDICTED ENVIRONMENTAL IMPACTS AND THEIR SATION Introduction Impacts and Mitigation measures during pre-construction and construction 5.2.1 Land 5.2.1.1 Flora and fauna 5.2.1.2 Solid waste 5.2.1.3 Domestic wastewater 5.2.1.4 Hydrocarbon leakages 5.2.1.5 Change in landform 5.2.2 Air quality 5.2.3 Impacts on noise level 5.2.4 Impacts on traffic flow Impacts and Mitigation measures during Operational phase 5.3.1 Generation of solid waste 5.3.2 Wastewater generation 5.3.3 Surface drainage	45 45 45 45 46 48 49 50 51 53 54 54 54

- (b) Letter to Traffic Management and Road Safety Unit
- 11 (a) Road layout
 - (b) Footpath layout
 - (c) Typical road section
 - (d) Typical kerb details
 - (e) Typical footpath detail
- 12 Street lighting layout
- 13 (a) Drainage layout
 - (b) Typical drain detail
 - (c) Typical soakaway detail
- 14 (a) Road marking and signage layout
 - (b) Typical detail of road marking & road signs
- 15 Typical on-site sewer disposal system
- 16 (a) Environmental Noise Survey results
 - (b) Location plan showing noise monitoring points