

Contents

	Page
1 INTRODUCTION	1
1.1 Project Background	1
1.2 Objectives of the Report	2
1.3 Structure of this Report	3
1.4 Nomenclature and Abbreviations	3
2 PROJECT DESCRIPTION	5
2.1 Site Location	5
2.2 Existing Conditions	5
2.3 The Preferred Option	5
2.4 The Project Site Boundary	6
2.5 Land Use Budget	6
2.6 Proposed Development of the PH Site	7
2.7 Proposed Development of the YLIEE Site	10
2.8 Tentative Implementation Programme	11
3 WATER IMPACT ASSESSMENT	13
3.1 Introduction	13
3.2 Methodology and Design Criteria	13
3.3 Existing and Planned Water Supply System	17
3.4 Water Demand Estimations	20
3.5 Interface Projects	23
3.6 Total Water Demand Estimation	25
3.7 Proposed Water Supply Scheme and Hydraulic Analysis	27
3.8 Potential Impact to Existing and Planned Waterworks Facilities	30
3.9 Proposed Mitigation Measures	32
3.10 Conclusion and Recommendation	33
3.11 Implementation Programme	34
4 UTILITY IMPACT ASSESSMENT	36
4.1 Methodology and Design Criteria	36
4.2 Power Supply	37
4.3 Highway Lighting	38
4.4 Gas Supply	38
4.5 Telecommunications	39
4.6 Impacts and Mitigation Strategies	39
4.7 Implementation Programme	40
4.8 References	40