	A1.	Prevailing Environmental Legislation	104
A1.1 Local Environmental Legislation			
A1.2		eral Environmental Legislation and Executive Orders relevant to land and marine projects	
A1.3		rnational and Regional Environmental Protocols applicable in Abu Dhabi	
A1.4	Env	ironmental Permitting Requirements	107
	A2.	Pipe Structural Design	109
A2-1 Introduction			
A2.2		culations for Pipe Structural Design	
A2.2.		lexible Pipes (MDPE, HDPE, GRP, uPVC)	
A2.2.		emi-rigid Pipes (Ductile Iron)	
A2.2.		igid Pipes (Concrete)	
	A3.	Road Drainage-Gutter & Inlet Design	121
A3.1	lr	ntroduction	121
A3.2		oadway Features	
-	.2.1	Longitudinal Slope	
А3	.2.2	Cross Slope	
A3	.2.3	Kerb and Gutter	
A3	.2.4	Roadside and Median Ditches	
	.2.5	Bridge Decks	
	.2.6	Shoulder Gutters	
		planing	
		ead	
	.4.1	Selection Considerations	
		t Fundamentals	120 135
	.5.1	Kerb-Opening Inlets	136
	.5.2	Grated Gutter Inlets	
	.5.3	Combination Inlets	
A3	.5.4	Slotted Trench Drains and Slotted Pipe Inlets	
	A4.	AL AIN MUNICIPALITY REQUIREMENTS	145
A4.1	Pre	cipitation depth and intensity-duration-frequency curves	145
	.1.1.	Background and characteristics of design frequency curves	
A4.2		lified rational equation	
A4.3		t effective inlet and mainline layout and connection configuration:	
A4.4		kaway:	
	.4.1 .4.1	Soakaway vaults and chambers:	
A4	A5.	MAIN ROADS REQUIREMENTS	
	A5.1.	Open channels and ditches	
^ -	.2.1.1.	·	
	.2.1.1. 5.1.1.1.		_
	.2.1.3.		
	.2.1.4.		
	A5.2.	Cross Drainage	
		-	
	.2.1. 5.2.1.1.	Culverts	
	5.2.1.1. 5.2.1.2.	71	
	5.2.1.3.		
	.2.2.	Wadi bridges	
	5.2.2.1.		
	.2.2.2		
A5	5.2.2.3		