

Table of Contents

Abu Dhabi Utility Corridors Design Manual

Part I: Context & Process

Chapter 1 - Introduction

| | | |
|------|--------------------------------------|----|
| 1.1 | Introduction | 2 |
| 1.2 | Purpose of the Manual | 2 |
| 1.3 | Geographical Jurisdiction | 4 |
| 1.4 | Applicability | 4 |
| 1.5 | Intended Users | 5 |
| 1.6 | Stakeholders | 5 |
| 1.7 | Manual Overview | 6 |
| 1.8 | Applying the Manual | 6 |
| 1.9 | Integration with Other Manuals | 7 |
| 1.10 | Standards vs. Guidelines | 10 |
| 1.11 | Design Flexibility | 10 |
| 1.12 | Manual Update | 10 |

Chapter 2 - Goals and Benefits

| | | |
|-----|--|---|
| 2.1 | Introduction | 2 |
| 2.2 | Manual Goals | 2 |
| 2.3 | Benefits of USDM/UCDM Implementation | 2 |

Chapter 3 - Utility Corridors Selection and Approval Routes

| | | |
|-----|---|---|
| 3.1 | Introduction | 2 |
| 3.2 | New Streets | 2 |
| 3.3 | Infrastructure Retrofitting | 4 |
| 3.4 | Approval Routes | 6 |
| 3.5 | Preparation of Utility Corridors Plans and Cross Sections ... | 7 |
| 3.6 | UCDM Exception Solutions | 7 |

Part II: Utility Corridors Design

Chapter 4 - Utility Corridors Requirements

| | | |
|-----|---|----|
| 4.1 | Introduction | 2 |
| 4.2 | Summary of Utility Corridor Location Rules and Widths | 4 |
| 4.3 | Utility Corridors Requirements | 6 |
| 4.4 | Solid Waste Collection | 36 |
| 4.5 | Utility Depths of Cover | 37 |
| 4.6 | Integration of Utilities within Complete Streets | 37 |
| 4.7 | Sikkak | 40 |
| 4.8 | Considerations for Additional Lines | 41 |

Chapter 5 - Utility Corridors Arrangements

| | | |
|-----|---|---|
| 5.1 | Introduction | 2 |
| 5.2 | Utility Corridors Arrangement Composition | 2 |
| 5.3 | Utility Corridors Arrangements | 4 |

Chapter 6 - Junctions, Transitions and Special Arrangements

| | | |
|-----|----------------------------|---|
| 6.1 | Introduction | 2 |
| 6.2 | Junctions | 2 |
| 6.3 | Transitions | 6 |
| 6.4 | Special Arrangements | 8 |