

TABLE OF CONTENTS

CHAPTER 1 - GENERAL PLANNING, DESIGN, AND APPROVAL REQUIREMENTS

1.00	Requirements for Public Improvements	1-1
1.01	Precedence of Documents	1-3
1.02	Abbreviations and Definitions	1-4
1.03	Permits	1-9
1.04	General Requirements for Utility Extensions (Sanitary Sewer, Storm Sewer, Water)	1-10
1.05	Submittal Requirements	1-11
1.06	General Requirements for Engineering Plans	1-11
1.07	Requirements for Public Street Improvement Plans	1-13
1.08	Site Grading Plan	1-15
1.09	Erosion Control Plans	1-15
1.10	Requirements for Utility Plans (Water, Sanitary Sewer, Drainage)	1-16
1.11	Requirements for Supplemental Submittal Information	1-18
1.12	Review Procedure	1-19
1.13	As-Built Drawings	1-20
1.14	Professional Qualifications	1-20
1.15	Changes to Standards	1-21
1.16	Design Modifications Process	1-21
1.17	Errors and Omissions	1-22
1.18	Contractor's Responsibility for Scheduling and Testing	1-23
1.19	Railroad Crossings	1-23
1.20	Penalties	1-23
1.21	Parking Restrictions	1-24

TABLE OF CONTENTS

CHAPTER 2 - STREETS

2.00	Functional Classification	2-1
2.01	General Requirement for Layout	2-2
2.02	Access	2-2
2.03	Width.....	2-2
2.04	Number of Lanes.....	2-3
2.05	Design Speed	2-4
2.06	Dedications	2-4
2.07	Private Streets	2-6
2.08	Horizontal Alignment	2-7
2.09	Vertical Alignment.....	2-9
2.10	Transitions.....	2-12
2.11	Street Frontage Improvements.....	2-13
2.12	Street Ends	2-13
2.13	Medians.....	2-14
2.14	Intersections and Curb Returns.....	2-15
2.15	Sight Obstruction Requirements.....	2-17
2.16	Curb and Gutter - Types and Application.....	2-18
2.17	Survey Monuments	2-19
2.18	Concrete Sidewalks.....	2-19
2.19	Asphalt Sidewalks.....	2-21
2.20	Multi-Use Trail	2-21
2.21	Bikeways/Bikelanes.....	2-21
2.22	Driveways	2-22
2.23	Bridges	2-25
2.24	Landscaping in the Right-of-Way, Easements and Access Tracts	2-26
2.25	Mailboxes.....	2-27
2.26	Street Illumination	2-27
2.27	Traffic Control and Signing.....	2-29
2.28	Appurtenances.....	2-30
2.29	Franchise Utilities	2-30
2.30	Safety Railing.....	2-31
2.31	Guard Rails	2-32

TABLE OF CONTENTS

CHAPTER 2 - STREETS

(continued)

2.32	Surfacing Requirements.....	2-32
2.33	Utilities.....	2-36

Tables

2.03A	Street Widths.....	2-3
2.08A	Design Speed / Center Line Radius - Minimums	2-8
2.09A	Design Controls for Crest Vertical Curves Based on Stopping Sight Distance	2-10
2.09B	Design Controls for Sag Vertical Curves Based on Stopping Sight Distance.....	2-11
2.09C	Design Controls for Lighted Sag Vertical Curves 25 Miles per Hour.....	2-11
2.09D	Design Controls for Lighted Sag Vertical Curves 15 Miles per Hour.....	2-12
2.14A	Turning Radii (Feet) Edge of Pavement/Curb - Minimums	2-16
2.15A	Corner Sight Distance	2-17
2.22A	Driveway Widths	2-24

TABLE OF CONTENTS

CHAPTER 3 - STORM DRAINAGE

3.00	General Approval Requirements.....	3-1
3.01	Planning Criteria	3-1
3.02	General Design Requirements	3-2

TABLE OF CONTENTS

CHAPTER 4 - WASTEWATER COLLECTION

4.00	General Approval Requirements.....	4-1
4.01	Planning Criteria	4-2
4.02	General Design Standards.....	4-3
4.03	Main Lines	4-3
4.04	Side Sewers.....	4-4
4.05	Manholes.....	4-5
4.06	Pipe Class / Protection / Cover	4-7
4.07	Clearances / Other Utilities.....	4-8
4.08	Connections to Existing Systems.....	4-9
4.09	Fats, Oils, Grease Separation	4-10
4.10	Easements	4-12
4.11	Pump Stations	4-12

TABLE OF CONTENTS

CHAPTER 5 - WATER

5.00	General Approval Requirements.....	5-1
5.01	Planning Criteria	5-1
5.02	General Design Standards.....	5-2
5.03	Valving.....	5-4
5.04	Fire Hydrants	5-4
5.05	Pipe Class / Protection / Cover	5-5
5.06	Clearances / Other Utilities	5-6
5.07	Slopes	5-7
5.08	Connections to Existing System	5-8
5.09	Easements	5-8
5.10	Services	5-8
5.11	Backflow Prevention.....	5-9
5.12	Satellite (Remote) Water Systems	5-12