

TABLE OF CONTENTS

SECTION 1.0	GENERAL CONDITIONS	PAGE
1.1	Planning and Conceptual Servicing.....	1-1
1.2	Standards	1-1
1.3	Local Improvements	1-2
1.4	Definitions	1-3
1.5	Engineering Design	1-3
1.6	Submission of Preliminary Engineering Design.....	1-4
1.7	Design Review.....	1-4
1.8	Final Design Review	1-4
1.9	Construction Approval	1-4
1.10	Record Drawings	1-5
1.11	Municipal Acceptance	1-5
1.12	Materials	1-6
1.13	Local Conditions	1-6
1.14	Abandoned Mains, Services & Other Works	1-6
1.15	Existing Studies	1-6
1.16	Building Permits.....	1-7
1.17	Construction Site Safety	1-7
1.18	Asphalt Maintenance Period.....	1-7
SECTION 2.0	WATERWORKS SYSTEM	
2.1	Design.....	2-1
2.2	Mains	2-1
2.3	Hydrants	2-1
2.4	Valves.....	2-2
2.5	Thrust Blocking.....	2-3
2.6	Service Connections	2-3
2.7	Materials	2-3
2.8	Cathodic Protection	2-4
2.9	Testing and Disinfecting.....	2-4
2.10	System Operation	2-5
SECTION 3.0	SANITARY SEWER SYSTEM	
3.1	Design Criteria.....	3-1
3.2	Mains	3-2
3.3	Manholes	3-2
3.4	Service Connections	3-3
3.5	Materials	3-3
3.6	Concrete for Manholes and Appurtenances.....	3-3
3.7	Curved Sewers.....	3-3
3.8	Testing of Sewers	3-3
3.9	Sewage Lift Stations and Force Mains	3-4

SECTION 4.0 STORM SEWER DRAINAGE SYSTEM		PAGE
4.1	General	4-1
4.2	Design Criteria.....	4-1
4.3	Drainage Ditches	4-2
4.4	Piped Systems.....	4-3
4.5	Culverts	4-3
4.6	Curved Sewers.....	4-4
4.7	Materials	4-4
4.8	Storm Outfalls	4-4
4.9	Concrete for Manholes, Outfalls & Appurtenances	4-5
SECTION 5.0 TRENCHING, BEDDING & BACKFILLING		
5.1	Trench Width.....	5-1
5.2	Trench Wall.....	5-1
5.3	Maximum Width	5-1
5.4	Pipe Bedding	5-1
5.5	Backfill	5-1
5.6	Safety Requirements.....	5-2
5.7	Auguring or Tunneling	5-2
5.8	Frost Protection Measures for Pipes or Structures	5-2
SECTION 6.0 SUBDIVISION GRADING		
6.1	Plans	6-1
6.2	Retaining Walls	6-1
6.3	Design.....	6-1
6.4	Pre-grading	6-2
6.5	Swales.....	6-2
6.6	Walkways	6-2
SECTION 7.0 ROADWAYS		
7.1	Road Right-of- Ways and Carriageway Widths.....	7-1
7.2	Rural Cross Section Design.....	7-2
7.3	Geometric Design	7-2
7.4	Clearing and Grubbing	7-4
7.5	Stripping Topsoil	7-4
7.6	Right-of-Way Grading.....	7-4
7.7	Subgrade Construction	7-4
7.8	Pavement	7-5
7.9	Graveled Road Surface.....	7-7
7.10	Lanes	7-8
7.11	Driveways.....	7-8
7.12	Geotextiles.....	7-8

SECTION 8.0	CURBS AND GUTTERS	PAGE
8.1	Type and Location.....	8-1
8.2	Rural Roadways.....	8-1
8.3	Concrete.....	8-1
8.4	Single Gutters.....	8-1
8.5	Reinforcing Steel.....	8-2
8.6	Construction Joints.....	8-2
SECTION 9.0	SIDEWALKS	
9.1	Requirements.....	9-1
9.2	Dimensions.....	9-1
9.3	Ramps.....	9-1
9.4	Finishing.....	9-1
9.5	Concrete.....	9-2
9.6	Service Connection.....	9-2
9.7	Cold Joints.....	9-2
9.8	Grades.....	9-2
9.9	Base.....	9-2
SECTION 10.0	LANDSCAPING	
10.1	Areas.....	10-1
10.2	Scope.....	10-1
10.3	Grades.....	10-1
10.4	Grading.....	10-1
10.5	Trees.....	10-1
10.6	Utility Service.....	10-2
10.7	Walkways.....	10-2
10.8	Barriers.....	10-2
SECTION 11.0	STREET LIGHTING	
11.1	Requirements.....	11-1
11.2	Installation.....	11-1
11.3	Location.....	11-1
SECTION 12.0	TRAFFIC CONTROL DEVICES & STREET NAME SIGNS	
12.1	General.....	12-1
12.2	Traffic Control Devices.....	12-1
12.3	Street Name Signs.....	12-1
12.4	Supply, Installation and Costs.....	12-1
SECTION 13.0	GAS, POWER, TELEPHONE & CABLEVISION SERVICES	
13.1	Installation.....	13-1
13.2	Right-of Ways.....	13-1

SECTION 14.0	SURVEY CONTROL NETWORK	PAGE
14.1	Installation	14-1
14.2	Acceptance	14-1
14.3	Replacements.....	14-1
	LIST OF APPENDIXES	PAGE
	Appendix A - Approved List of Manufacturers/Suppliers of Materials	A-1
	Appendix B - List of Standard Drawings	B-1
	Appendix C - List of Standard Forms	C-1