

STANDARD WATER SYSTEM SPECIFICATIONS

<u>ITEM</u>	<u>SUB-SECTION</u>	<u>PAGE NO.</u>
<u>GENERAL INFORMATION - SECTION 1</u>		
Definitions	1	2
Scope of Regulations	2	2
Plan Review Procedure	3	2
Plan Sheet Requirements	4	3
Design Features	5	4
Easements	6	6
Permits	7	7
Preconstruction Conference	8	7
Ability to Perform	9	8
Inspection	10	8
Workmanship	11	10
Final Inspection	12	10
Record Drawings	13	11
Final Acceptance	14	11
Process		12
<u>MATERIALS - SECTION 2</u>		
General	1	14
Concrete	2	14
Crushed Stone	3	14
Pea Gravel	4	15
Ductile Iron Pipe	5	15
PVC Pipe	6	16
Pipeline Detection Tape & Tracer Wire	7	17
Fittings	8	17
Gate Valves	9	18
Resilient Seat Gate Valves	10	18
Butterfly Valves	11	18
Tapping Sleeves and Valves	12	19
Fire Hydrants	13	19
Air Release Valves	14	20
Valve Boxes	15	20
Precast Manholes for Air Release Manholes	16	20
Manhole Frames & Covers for Air Release Manholes	17	21
Manhole Steps	18	21
Service Line Materials	19	21
Service Installations	20	22
Meter Box Materials	21	23
Meter Box Installations	22	23
Casing Pipe	23	24
Tunnel Liner Plate	24	25

Tunnel Liner Grout	25	25
Tunnel Backfill	26	25
Water Line / Valve Markers	27	26
Special Fitting - Meter Vault	28	26
Foster Adapter	29	26
Tie Rod	30	26

CONSTRUCTION METHODS - SECTION 3

Location of Lines	1	27
Trenching	2	27
Laying Water Pipes	3	29
Installation of Fittings	4	30
Installation of Valve, Valve Boxes	5	31
Installation of Fire Hydrants	6	31
Installation of Services	7	32
Installation of Special Items	8	32
Backfilling	9	33
Tunnel / Bore	10	34
Pavement Removal	11	37
Pavement Replacement	12	37
Clean-up Procedures and Requirements	13	37
Slope Protection and Erosion Control	14	38

TESTING - SECTION 4

General		40
Pressure and Leakage Tests		40
Disinfection		41
Testing of Valves		42

APPENDIX

Standard Detail Drawings	W1 - W32
--------------------------	-----------------