

TABLE OF CONTENTS

	Page
INTRODUCTION	
BREAKDOWN OF PLAN REVIEW PROCESS – WATER	
SECTION 100 - GENERAL INFORMATION	
101. General Requirements - Use of this Document	100-1
102. Plan Review Process	100-1
103. Construction Permit	100-3
104. Approval By Other Government Agencies	100-4
105. Construction	100-4
106. Inspection	100-5
107. As-Builts	100-5
108. One-Year Maintenance	100-6
109. Building Permits	100-7
110. List of Commonly Used Terms	100-7
111. List of Acronyms	100-8
112. Appeals	100-8
Exhibit A – CCWSA Project Ownership Form	100-9
SECTION 200 - PLANS	
201. Water Pressure Flow Test	200-1
202. Plan Requirements	200-1
General Notes For Water System Construction (Detail W730)	200-4
203. Plan Approval	200-6
204. Revisions to Approved Plans	200-6
205. Approval By Other Government Agencies	200-6
206. Relocation of Existing Water and Sewer Facilities	200-7
207. Easement Acquisition and Utility Encroachment Permits	200-7
Example Water Easement Agreement (Detail W731)	200-9
SECTION 300 - DESIGN CRITERIA	
301. General	300-1
302. Water Supply (All Water Supply Systems)	300-1
303. Water Main Extension Requirements	300-1
304. Minimum Water Main Sizes	300-2
305. Water Main Sizes	300-2
306. Fire Protection	300-3
307. Sprinkler Systems	300-4
308. Disconnection of Wells	300-5
309. Location of Water Lines and Fixtures	300-5
310. Fire Line Metering Requirements	300-10
311. Water Pump Stations	300-11
312. Water Mains on Private Roads	300-11
313. Protection of Water Supply and Other Utilities	300-11

SECTION 400 - MATERIALS FOR WATER LINE CONSTRUCTION

401.	General	400-1
402.	Water Main	400-1
403.	Fire Hydrants	400-2
404.	Valves and Accessories	400-3
405.	General Requirements	400-9

SECTION 500 - CONSTRUCTION METHODS

501.	Excavation General	500-1
502.	Erosion and Sedimentation Control	500-1
503.	Clearing and Grubbing	500-1
504.	Trench Excavation	500-2
505.	Rock Excavation	500-5
506.	Subgrade and Bedding	500-6
507.	Installation of Water Main	500-7
508.	Backfilling Trenches	500-8
509.	Thrust Restraint for Pressure Lines	500-10
510.	Setting Fire Hydrants	500-11
511.	Setting Valves and Fittings	500-12
512.	Marking Location of Valves and The End of The Main	500-12
513.	Placing of Steel Casing Pipe	500-13
514.	Connection to the Existing Authority Water System	500-14
515.	Interruption of Water Supply During Construction	500-14
516.	Railroad Crossings	500-14
517.	Highway Crossings	500-14
518.	Stream Crossings	500-15
519.	Replacement of Pavement	500-16
520.	Location and Protection of Existing Underground Utilities	500-18
521.	Clean-Up	500-18
522.	Grassing	500-19
523.	Standard Detailed Drawings	500-20
524.	Construction Permits	500-20
525.	Barricades	500-20
526.	Fences	500-20
527.	Rip-Rap	500-21

SECTION 600 - INSPECTION, TESTING AND ACCEPTANCE

601.	Inspection	600-1
602.	Water System Testing	600-2
603.	Acceptance	600-6
604.	"As-Built" Record Drawings	600-7
	Exhibit B – CCWSA Project Information Form	600-10

SECTION 700 - STANDARD DETAILS

STANDARD
DETAIL NO.

Typical Water Main At Cul-De-Sac	W701
Typical Fire Hydrant Installation	W702
3/4" Water Meter Location (For Subdivisions)	W703
Residential Water Meter Installation	W704
Meter Box For 5/8" or 1" Meter	W705
Standard Jumbo Cast Iron Meter Box	W706
House Service Installation	W707
Compound Meters and Vault	W708
Compact Fire Line Assembly Vault	W709
Detector/Water Meters and Vault	W710
Water A&V Release Valve Assembly	W711
Typical Road Crossing	W712
Concrete Blocking for Bends	W713
Concrete Blocking for Tees and Plugs	W714
Concrete Blocking - Vertical Bends - Upward Thrust	W715
Concrete Blocking - Vertical Bends - Downward Thrust	W716
Concrete Thrust Collar	W717
Typical Valve Installation	W718
Concrete Valve Marker	W719
Blow-Off Assembly	W720
Typical Street Cut Repair	W721
Typical Driveway Cut Repair	W722
Turn Lane Relocation Detail	W723
Water Line Maintenance Sign	W724
New Project Plan Approval Sheet	W725
Utility Placement Detail With Curb	W726A
Utility Placement Detail Without Curb	W726B
New Project Requirement Detail	W727
Sample Certificate of Liability Insurance	W728
"Call Before You Dig" Detail	W729
General Notes for Water Main Construction	W730
Sample Easement for Water Main	W731
 Appendix W-1 – CCWSA Cross Connection Control Program	 W1-1