

List of Figures

Figure 1	512-1	Detail of 1" Copper Service Installation
Figure 1A	512-1A	Detail of 1" Service Copper to Box/PEX to House
Figure 1B	512-1B	Detail of 1" PEX Service Installation
Figure 1C	512-1C	Detail of 1" Service PEX Main to Stop Box
Figure 1D	512-1D	Detail of 1" Service Installation –Pleasant Hill Only
Figure 1E	512-1E	Detail of 1" Service Installation for Deduct Meter
Figure 2	512-2	Detail of 1 ½" or 2" Service Installation
Figure 3	512-3	Tap Cut at Main Procedures ½" to 1" Direct Taps
Figure 4	512-4	Private Main Abandonment Details
Figure 5	512-5	Installation of Service Into a Duplex (Option #1)
Figure 6	512-6	Installation of Service Into a Duplex (Option #2)
Figure 7	512-7	Building with Standard Basement
Figure 8	512-8	Building with Basement in Rear
Figure 9	512-9	1 st Floor Setting with Concrete Floor
Figure 10	512-10	1 st Floor Setting with Crawl Space Below
Figure 11A	512-11A	Water Service to Shopping Center (Case 1) Multiple Domestic Meters w/Fire Service
Figure 11B	512-11B	Water Service to Shopping Center (Case 2) Multiple Domestic Meters & Individual Fire Services
Figure 12A	512-12A	Multiple Unit Metering (Townhomes, Condominiums, Apartments, and Shopping Centers)
Figure 12B	512-12B	Typical Meter Manifold – Multiple Unit Metering (Townhomes, Condominiums, Apartments, & Shopping Centers)
Figure 13	512-13	Meter Setting with Grounding Strap
Figure 14	512-14	Adjusting Stop Box to New Grade (Arch Pattern Box)
Figure 15	512-15	Adjusting Stop Box to New Grade (Minn. Style Box)
Figure 16	512-16	Detail of the Standard Meter Pit – Disc Meters
Figure 16A	512-16A	Outside City of Des Moines Water Service & Meter Pit Detail
Figure 16B	512-16B	Des Moines & Outside City 1" – 2" Water Service w/Meter Pit Tracer Wire Detail
Figure 17	512-17	Turbine or Compound Meter Pit Detail w/Tracer Wire
Figure 18	512-18	Fire Service Meter Pit Detail w/Tracer Wire
Figure 19	512-19	Standard 2" Meter Setting for Meter Box
Figure 20	512-20	Typical Combination Fire & Domestic Service w/Tracer Wire
Figure 20A	512-20A	Typical Combination Fire & Domestic Service w/Tri-View Tracer Wire Station
Figure 21	512-21	Standard Plan for Meter & By-Pass Installation
Figure 22	512-22	Excavation Detail for Tapping Sleeve
Figure 23	512-23	Concrete Thrust Block Standard

List of Figures (Continued)

Figure 23A	512-23A	Concrete Gravity Block Standard
Figure 24	512-24	Standard Hydrant Detail w/Tracer Wire
Figure 25	512-25	Polyethylene Wrap Detail
Figure 26	512-26	Tracer Wire Detail
Figure 27	512-27	Typical Trench Section
Figure 28	512-28	Example of Load Profile
Figure 29	512-29	Example of Fire Department Review
Figure 30A	512-30A	Example of Water Service Agreement (2 of 2)
Figure 30B	512-30B	Example of Water Service Agreement – Spanish Version (2 of 2)
Figure 31	512-31	Example of Application to Stub & Reuse Water Service Line
Figure 32	512-32	Blank Sheet
Figure 33	512-33	Residential Combination Fire & Domestic Service Installation
Figure 33A	512-33A	Residential Dedicated Fire Service Installation
Figure 33B	512-33B	Residential Web Fire & Domestic Service Installation
Figure 34	512-34	Detail of Service Off of Private Main on Private Property
Figure 35	512-35	Tracer Wire Termination Options
Figure 36	512-36	LUST (Leaking Underground Storage Tank) Sites and the DMWW Distribution System
Figure 37	512-37	Southeast Polk Stop Box & Meter Pit Location Options