TYPICAL WATER SERVICE INSTALLATION 300

- Single New Service Plan
- Double New Service Plan

TYPICAL WATER SERVICE 301

FLUSHING CONNECTION AND BLOW OFF DETAIL 303

TYPICAL NEW FIRE HYDRANT ASSEMBLY INSTALLATION 302

FILLING CONNECTION 305

RELOCATE OR CONNECT EXISTING FIRE HYDRANT 306

TYPICAL WATER SERVICE INSTALLATION 8

- Meter Boxes for 5/8, 3/4, and 1 inch meters shall be the O.K.I. meter box (TYP)
- OKIE #890-40-260282 medium box and 890-40-260257 medium lid
- O.D. tubing, X meter flange 180' turn check-lock wing "Mueller"

CONDUCTIVE COMPRESSION CONNECTION, FOR CTS O.D. TUBING "Mueller" B-25028, including the stainless steel double stainless steel style F-202, or equal

- Strap saddle "Ford"

- Single New Service Plan
- Gate valve (meter)
- Angle stop

NOTES:

1. Keep valve as close as possible to the hydrant.
2. Reconnect existing fire hydrant to new water main.
3. Connect new valve to existing where applicable.
4. Blowoff full diameter valve box.
5. Gate valve (meter)

FIRE HYDRANT

- Gate valve
- Angle stop
- All poly service lines
- Must be wrapped with stop and meter
- Attached to corporation

- 2" poly 2" tap
- -1"x1"x1" compression

NOTES:

- Pressure test to include coupling "Gate valve"
- Reduced pressure backflow prevention device and ball valve 2"x2"x1/4"

- Copper pipe 12" min.
- Existing fire hydrant
- Gate check valve
- Valve
- Coupling

- Reduced pressure backflow preventer with hose connection for lift station

- Ball valve 2"x2"x1/4"
- Gate valve (meter)
- Angle stop
- All poly service lines
- Must be wrapped with stop and meter
- Attached to corporation

- 2" poly 2" tap
- -1"x1"x1" compression
**WATER SYSTEM NOTES:**

1. Dead-end water mains 6" or larger shall terminate with a fire hydrant.
2. The minimum depth of cover over water mains is 30" except where shown differently on plans. A continuous and uniform bedding shall be provided. Backfill material shall be tamped in layers around the pipe as shown on the plans and/or City of Fort Lauderdale Construction Standards and Specifications, January 1982.

**VALVES:**

- Gate valves 3" or less shall be NIBCO T-133 OR T-136 with malleable hand wheels. No substitutions allowed.
- Gate valves 4" or larger shall meet A.N.S.I./A.W.W.A. C-151/A 21.51-02 and lined and coated per A.N.S.I./A.W.W.A. C-104/A-214-03. 20" and 1200 feet.
- Connections to existing mains shall be made under the direction of the City of Fort Lauderdale.

**Fittings:**

- All P.V.C. pipe shall be manufactured in accordance with the Uni-Bell plastic pipe Association's Standards and Specifications of C-600-99, or latest revision.
- All DIP shall be installed in accordance with A.N.S.I./A.W.W.A. C-500-02 specification (latest revision).
- All P.V.C. mains shall be series 1120, class 150 (DR 18) pressure pipe, conforming to A.N.S.I./A.W.W.A. standards C-114/A-21.11-00, or better versions.
- All crossings shall be arranged so that the sewer pipe joints and the water main pipe joints are equidistant from the point of crossing (pipes centered on the crossing).
- Where a new pipe conflicts with an existing pipe with less than 18" vertical clearance, the new pipe shall be relocated to a minimum of 10 feet away from the existing pipe.

**HYDRANTS:**

- Hydrants shall be CLOW Corporation model F-1058, standard fire protection equipment approved by the engineer of record, bacteriological tests may be performed by a certified environmental testing laboratory.
- Standard connections shall comply with A.N.S.I./A.W.W.A. C-500-02, standard fire protecive equipment shall be designed in accordance with the engineering plans, minimum 6" Connections to existing mains shall be made under the direction of the City of Fort Lauderdale.
- Connections shall be 100 feet.
- The City of Fort Lauderdale Electric Department will install all fire hydrants, to be scheduled by the Inspector, if determined, water service shall be determined and controlled by the engineer of record, bacteriological tests may be performed by a certified environmental testing laboratory.
- Throat blocks shall not be allowed.
- All connections to existing mains shall be made under the direction of the City of Fort Lauderdale.
- Throat blocks shall not be allowed.
- All crossings shall be arranged so that the sewer pipe joints and the water main pipe joints are equidistant from the point of crossing (pipes centered on the crossing).

**PIVOT BLOCKS:**

- Pivot blocks shall be electrically continuous over the entire length of the pipe, and fastened every 10' with A.S.T.M. A588.
- The minimum depth of cover over water mains is 30" except where shown differently on plans. A continuous and uniform bedding shall be provided. Backfill material shall be tamped in layers around the pipe as shown on the plans and/or City of Fort Lauderdale Construction Standards and Specifications, January 1982.

**GASES:**

- Gas lines shall be electrically continuous over the entire length of the pipe, and fastened every 10' with A.S.T.M. A588.
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**SOIL:**

- Pipes shall be back-filled with #12 wire.

**SOIL DRAINAGE LINES:**

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