



# Bayou Liberty Water Association

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## ***B.L.W.A. New Development Requirements 2007***

Developers requesting water service from Bayou Liberty Water Association must submit plans to the Board of Directors for approval. The following are requirements for approval:

1. All water mains to be polyvinylchloride (PVC) gasket joint class 160 (SDR 26) "Fluid-Tite" couplings conforming to ASTM D1784 Type 1, Grade 1, 2000 p.s.i. D.S. ASTM D2241. Rubber gaskets to be ASTM D1869.
2. All water mains are to be installed at a minimum depth of 36".
3. Fire Hydrants to be AWWA compression type 5.25" valve opening, Mueller brand, Super Centurion 250 model, 3-way type: two standard 2.5" & one 4" pumper connection with national standard threads with 6" swivel tees with transition gasket connection and painted red.
4. Upon completion of the water system, the contractor shall contact the appropriate Fire Department to have all fire hydrants tested for gpm capacity. The top and nozzle caps shall be painted according to the gpm rating as follows:

1000 gpm or more (Class A)	-	GREEN
500 to 999 gpm (Class B)	-	ORANGE
500 gpm or less (Class C)	-	RED
4. Blue colored, raised reflectors shall be securely affixed on the roadway in proximity to the fire hydrant.
5. All fire hydrants shall have gate valves installed between the water main and hydrant for isolation.
6. Gate valves to be AWWA designation C509 iron body, bronze trim, resilient wedge type with 3-piece iron valve box and 20" x 20" concrete pad.
7. Use necessary fittings to avoid conflicts with other utilities.

8. The contractor shall furnish an "As Built" plan showing the location of all valves, hydrants, tees, bends, etc. and distances between and to the building lines.
9. The contractor is responsible for locating and protecting all existing utilities.
10. The contractor shall use necessary fittings to provide 18" vertical and 10' horizontal clearance between sewer and water lines.
11. The water lines shall pass a hydrostatic pressure test of 125 p.s.i. for two hours and leakage shall not exceed 20 gallons/day/mile of pipe. The contractor shall provide the equipment for the test. B.L.W.A. must be notified and present to witness the test.
12. All cuts under streets to be back-filled with sand or other suitable material approved by the engineer and to be compacted to 95% std. Proctor (ASTM D698). Compaction of all other backfill to be 90% std. Proctor.
13. All water lines are to be sterilized in accordance with AWWA std. C-601, sampled and approved by the Louisiana Department of Health and Hospitals.
14. Identification tape is to be used underground.
15. Installation shall be according to PPA UNI-B-3-76A for PVC pipe.
16. All water mains 8" in dia. and smaller shall have restrained joints within 20' of all fittings (tees, bends, valves, etc.). Mains 10" dia. and larger shall be restrained within 40' of all fittings.
17. All water services shall have Continental Fastap saddles with 1" cts compression outlets, 1" cts polyethylene water service tubing, a bronze U-branch with locking curb stops and 3/4" meter swivel connections.
18. Contractor shall notify B.L.W.A. with contact person's name and phone number prior to beginning work and during work for inspection of all aspects of construction.
19. Contractor shall provide plastic meter boxes with solid lids for all water services delivered to B.L.W.A.
20. Any variations to these requirements must be approved by B.L.W.A. prior to implementation.
21. A System Development fee of \$1000.00 per subdivision lot is to be paid by the developer prior to water service by Bayou Liberty Water Association as approved by Louisiana Public Service Commission.
22. Bayou Liberty Water Association is PWS ID no. 1103005