

Distribution Mains - Review of Plans

Job No. Name of Service Area _____

(T,V,C) _____ County _____

Reviewed by _____ Date _____

Pipe diameter: 6" 8" 10" 12" 14" Pipe length: _____ ft Type of pipe: _____

1. Does pipe meet appropriate AWWA standard? Yes No
2. Are the pipe joints acceptable? Yes No
3. Are the water mains large enough to maintain a minimum of 20 psi throughout the system under all flow conditions? Yes No
4. Is the number of valves adequate to isolate the water main for repairs? Yes No
5. Are hydrants or blowoffs provided on all dead ends? Yes No
6. Is the blowoff size adequate? Yes No
7. Is looping possible? Yes No
8. Is fire protection provided? Yes No
9. Are hydrants within 600 ft. of homes as measured along streets? Yes No
- 10 a. What is the height of the ground water from the finished grade? _____ ft
 b. If greater than 7 ft, are hydrant weepholes plugged? Yes No
11. Are appropriate air releases for high points provided? Yes No
12. Are appropriate blowoffs for low points provided? Yes No
13. Is the drainage from the valves above ground? Yes No
14. Is proper drainage from valve pits and drainage pits provided? Yes No
15. Is disinfection equal to AWWA C601-68 (Item 7.3 deleted)? Yes No
16. Do pressure and leakage test results conform to AWWA standards? Yes No
17. Are adequate details provided for:
 - a. road crossing Yes No
 - b. thrust blocks Yes No
 - c. fire hydrant installations (with valve) Yes No
 - d. stream crossing (sampling taps and valve) Yes No
18. Do water main crossings with sewer or gas lines conform to requirements in Bulletin 42, Item 8.4? Yes No
19. Is enough cover provided to protect mains from freezing? Yes No
20. Is an interconnection with another system
 - a. available? Yes No
 - b. desirable? Yes No
21. What is the present existing maximum consumption? _____ gpd
22. What is the maximum daily consumption for the proposed extension? _____ gpd
23. What is the total future maximum daily consumption? _____ gpd
24. What is the existing source capacity? _____ gpd
25. What is the source name? _____
26. Is the quality acceptable? Yes No
27. What is the pressure in the proposed system?
 - a. maximum _____ psi
 - b. minimum _____ psi

COMMENTS