



John R. Kasich, Governor
 Mary Taylor, Lt. Governor
 Craig W. Butler, Director

PROJECT SUMMARY SHEET FOR PLAN REVIEW OF PROPOSED WATERLINE EXTENSIONS

Water System Name _____

Project Title (same as listed on water supply data sheet): _____

The following is a summary of the proposed waterline:

| PIPE MATERIAL | DIAMETER (INCHES) | LENGTH (FEET) | LOCATION | APPLICABLE STANDARDS* | CLASS | PRESSURE RATING |
|---------------|-------------------|---------------|----------|-----------------------|-------|-----------------|
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*Material and installation, JUSTIFY IF NOT AN AWWA STANDARD (See policy ENG-08-002)

1. Will all pipe, fittings, valves and fire hydrants conform to the latest standards issued by AWWA and/or NSF? Yes No

2. Will all packing and jointing materials used for pipe joints conform to the requirements of AWWA? Yes No

3. If in an area of groundwater contaminated by organic compounds,
 - a. are the pipe and joint materials such that they do not allow penetration of the organic compounds? Yes No

 - b. are all portions of the system, including pipe, joint materials, hydrant leads and service connections, of non-permeable materials? Yes No

4. Will all waterlines be pressure tested and tested for leakage in accordance with applicable AWWA Standards? Yes No
- a. Test to be performed by _____
- b. Test to be supervised by _____
5. Is a continuous and uniform bedding provided in the trench for all buried pipe? Yes No
6. Are all tees, bends, plugs, and hydrants provided with reaction blocking, tie rods, or joints designed to prevent movement? Yes No
7. Will all waterlines be disinfected in accordance with AWWA Standard C651? Yes No
- a. Disinfection to be performed by _____
- b. Disinfection to be supervised by _____
- c. Microbiological samples to be analyzed at _____
8. Is the system designed to maintain a minimum pressure of 20 psi at ground level at all points in the system under all conditions of flow? Yes No
9. Will the normal working pressure in the system be not less than 35 psi? (TSS 8.2.1 recommends 60 – 80 psi) Yes No
10. Is the system designed to provide fire protection? Yes No
- a. The design fire flow will be _____ gpm minimum at _____ psi pressure.
- b. What is the maximum spacing of the hydrants? _____
- c. Will hydrant drains be plugged? Yes No
- d. Is the minimum size of all waterlines at least six inches? Yes No
11. Will a backflow prevention program be implemented or followed to prevent cross connections with unapproved sources? Yes No

12. Are there any master meters to be installed as part of this project? Yes No

NOTE: If the answer above is yes, contact your Ohio EPA district office to determine if the entity being served by a master meter is an exempt public water system.

13. Is at least four feet of cover provided to protect the waterline from freezing? Minimum cover _____ feet. Yes No

14. What is the maximum spacing between shutoff valves? _____ (each intersection and 800 feet maximum recommended, 500 feet in commercial areas)

15. Have the number of dead end mains been minimized? Yes No

16. Where dead end mains occur, has a means of flushing the main been provided? (2.5 fpm minimum) Yes No

17. Will all waterlines have at least 10 feet horizontal separation (edge to edge) from sanitary and storm sewers? Yes No

18. Will all waterlines which cross sanitary and storm sewers have a minimum vertical separation (outside to outside) of 18 inches? Yes No

19. Will a reliable means to detect leakage at surface water crossings wider than 15 feet be provided? Yes No

20. Will a minimum cover of five feet be provided over the water crossing pipe? Yes No

21. Will piping at water crossing have flexible watertight joints? Yes No

22. Are air relief valves provided (attach summary sheet)? Yes No

Provide a justification for any of the above questions which are answered "no".

Name: _____ Date: _____