Division of Drinking and Ground Waters

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

*Material and installation, JUSTIFY IF NOT AN AWWA STANDARD (See policy ENG-08-001)

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: _____