



Water System Name: Click or tap here to enter text. PWS ID: Click or tap here to enter text.

Project Title (same as listed on water supply data sheet): Click or tap here to enter text.

The following is a summary of the proposed waterline (provide separate line for each street and provide street names for location):

PIPE MATERIAL	DIAMETER (INCHES)	LENGTH (FEET)	LOCATION	APPLICABLE STANDARDS	CLASS	PRESSURE RATING
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

MATERIALS

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. Does the pressure rating of the pipe exceed the maximum operating pressure in the area of the proposed pipe?

Yes

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

INSTALLATION OF WATER MAINS

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|----|---|--------------------------|--------------------------|
| 5. | Will all waterlines be pressure tested and tested for leakage in accordance with applicable AWWA Standards? | Yes | No |
| | | ☐ | ☐ |
| a. | Test to be performed by : Click or tap here to enter text. | | |
| b. | Test to be supervised by : Click or tap here to enter text. | | |
| 6. | Is a continuous and uniform bedding provided in the trench for all buried pipe? | Yes | No |
| | | ☐ | ☐ |
| 7. | Are all tees, bends, plugs, and hydrants provided with reaction blocking, tie rods, or joints designed to prevent movement? | Yes | No |
| | | ☐ | ☐ |
| 8. | Will all waterlines be disinfected in accordance with AWWA Standard C651? | Yes | No |
| | | ☐ | ☐ |
| a. | Disinfection to be performed by Click or tap here to enter text. | | |
| b. | Disinfection to be supervised by Click or tap here to enter text. | | |
| c. | Microbiological samples to be analyzed at a State of Ohio certified lab? | Yes | No |
| | | ☐ | ☐ |

SYSTEM DESIGN

- | | | | | |
|-----|---|--------------------------|--------------------------|--------------------------|
| 9. | 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 | |
| | | ☐ | ☐ | |
| 10. | Will the normal working pressure in the system be not less than 35 psi? (TSS 8.2.1 recommends 60 – 80 psi) | Yes | No | |
| | | ☐ | ☐ | |
| 11. | Is the system designed to provide fire protection? | Yes | No | |
| | | ☐ | ☐ | |
| a. | The design fire flow will be Click or tap here to enter text. gpm minimum at Click or tap here to enter text. psi pressure. | | | |
| b. | What is the maximum spacing of the hydrants? Click or tap here to enter text. | | | |
| c. | Will hydrant(s) be self-draining (weep hole)? | N/A | Yes | No |
| | | ☐ | ☐ | ☐ |
| d. | If hydrants are self-draining, is a detail provided showing a gravel pocket or dry well? | N/A | Yes | No |
| | | ☐ | ☐ | ☐ |
| e. | Is the minimum size of all waterlines serving fire hydrants at least six inches? | N/A | Yes | No |
| | | ☐ | ☐ | ☐ |



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|-----|--|--|---------------------------------|--------------------------------|
| 12. | Will a backflow prevention program be implemented or followed to prevent cross connections and appropriately address potential backflow risks? | | Yes
☐ | No
☐ |
| 13. | Are there any master meters to be installed as part of this project? | | Yes
☐ | No
☐ |
| 14. | If the answer above is yes, name of entity being served through the master meter: | | 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.

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|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 15. | If the proposed waterline will result in a connection between multiple public water systems, has the system included corrosion control treatment evaluation as part of the project. If yes, list the water systems below: | N/A
☐ | Yes
☐ | No
☐ |
|-----|---|---------------------------------|---------------------------------|--------------------------------|

PWS ID: OHClick or tap here to enter text.

Name Click or tap here to enter text.

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Name Click or tap here to enter text.

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|-----|---|--|---------------------------------|--------------------------------|
| 16. | Is at least four feet of cover provided to protect the waterline from freezing? Minimum cover Click or tap here to enter text. feet.
(If depth is less than four feet, provide reference to jurisdiction construction standards or provide justification below.) | | Yes
☐ | No
☐ |
|-----|---|--|---------------------------------|--------------------------------|

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|-----|---|--|---------------------------------|--------------------------------|
| 17. | Are a sufficient number of valves provided to minimize sanitary hazards during repairs? | | Yes
☐ | No
☐ |
|-----|---|--|---------------------------------|--------------------------------|

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|-----|---|--|--|--|
| 18. | What is the maximum spacing between shutoff valves? Click or tap here to enter text.
(800 feet maximum recommended, 500 feet in commercial areas, and/or at each intersection) | | | |
|-----|---|--|--|--|

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|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 19. | Have the number of dead-end mains been minimized? | N/A
☐ | Yes
☐ | No
☐ |
|-----|---|---------------------------------|---------------------------------|--------------------------------|

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|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 20. | Where dead end mains occur, has a means of flushing the main been provided? (2.5 fps minimum) | N/A
☐ | Yes
☐ | No
☐ |
|-----|---|---------------------------------|---------------------------------|--------------------------------|

SEPARATION DISTANCES FROM CONTAMINATION SOURCES

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|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 21. | Will all waterlines have at least 10 feet horizontal separation (edge to edge) from sanitary, on-site systems and storm sewers?
(If no, please provide a variance request below) | N/A
☐ | Yes
☐ | No
☐ |
|-----|---|---------------------------------|---------------------------------|--------------------------------|

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|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 22. | Where 10 feet of horizontal separation cannot be maintained between the waterline and curb drains (less than 12-inch diameter), catch basins, inlets, driveway culverts (less than 200 feet in length): | N/A
☐ | Yes
☐ | No
☐ |
|-----|---|---------------------------------|---------------------------------|--------------------------------|

Is 18-inches of vertical separation and at least 4-feet of horizontal separation provided?



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|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 23. | Will all waterlines which cross sanitary and storm sewers have a minimum vertical separation (outside to outside) of 18 inches?
(if no, please provide a variance request below) | N/A
☐ | Yes
☐ | No
☐ |
| 24. | Will hydrant drains be provided with 10 feet of horizontal separation from sanitary sewers, on-site systems, storm sewers, or storm drains? | N/A
☐ | Yes
☐ | No
☐ |

SURFACE WATER CROSSINGS

- | | | | | |
|-----|---|---------------------------------|---------------------------------|--------------------------------|
| 25. | Will a minimum cover of five feet be provided over the water crossing pipe? | N/A
☐ | Yes
☐ | No
☐ |
| 26. | Will piping at water crossing have flexible watertight joints? | N/A
☐ | Yes
☐ | No
☐ |
| 27. | Are there surface water crossings wider than 15 feet (normal water level)? | N/A
☐ | Yes
☐ | No
☐ |
| a. | Will valves be provided at both ends of the water crossing(s) so the section can be isolated for testing or repair? | | Yes
☐ | No
☐ |
| b. | Will permanent taps or other provisions be provided to allow insertion of a small meter to determine leakage and obtain water samples on each side of the valve closest to the supply source? | | Yes
☐ | No
☐ |

AIR RELIEF VALVES

- | | | | | |
|-----|--|---------------------------------|---------------------------------|--------------------------------|
| 28. | Are hydrants or air relief valves provided to purge air at high points?
(If air relief valves are provided, complete the appropriate summary sheet and provide detail on plans) | N/A
☐ | Yes
☐ | No
☐ |
|-----|--|---------------------------------|---------------------------------|--------------------------------|

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

[Click or tap here to enter text.](#)

Variance request:

We are requesting a variance of Recommended Standards for Water Works Section 8.8 for the 10-foot horizontal or 18-inch vertical separation between the existing (storm/sanitary) sewers and the proposed waterline. The variance is requested at the following location(s):

Location (Street name, sheet number, and/or other location identification)	Beginning Station	Ending Station	Minimum Horizontal Separation (feet)	Minimum Vertical Separation (inches)	Storm, Sanitary, or Combined Sewers?
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.



Provide justification for the variance request(s):
[Click or tap here to enter text.](#)
Name of person preparing plans: [Click or tap here to enter text.](#) Date: [Click to enter date](#)
P.E. Stamp and Signature (if required per OAC 3745-91-03):