STATE WATER RESOURCES CONTROL BOARD  
Division of Drinking Water

Waterworks Standards Main Separation Alternative  
Request Checklist

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| **Water System Name/Number:** Click here to enter text. |
| **Name of Applicant:** Click here to enter text. |
| **Phone Number and Email Address:** Click here to enter text. |
| **Project Name and Location:** Click here to enter text. |
| **Attach plans or field drawings to show the standard installation and the proposed installation for which the alternative is being requested. (e.g. vertical profile and horizontal alignment, specifications, and other exhibits, as appropriate).** |

The Waterworks Standards in the California Code of Regulations (CCR) Title 22, Chapter 16, Section 64572 provide separation criteria for new construction. When buried water mains are in close proximity to non-potable pipelines, the water mains are vulnerable to contamination that can pose a risk of waterborne disease outbreaks.

Per CCR Title 22, Chapter 16, Section 64551.100, a water system that proposes to use an alternative to a requirement in Chapter 16 shall: 1) demonstrate to the State Board that the proposed alternative would provide at least the same level of protection to public health; and 2) obtain written approval from the State Board prior to implementation of the alternative. Requests for alternatives to the Waterworks Standards must consist of information outlined in at least four of the attachments below. Information contained in Attachments A, B and E will be required for all alternative requests. Information contained in Attachments C and/or D will also be needed depending on your particular situation. Please review all the attachments and submit the information for your specific project. The information must be submitted to your local Division of Drinking Water District Office for review and approval prior to construction.

**Attachment A** represents the standard pipe material and construction that would be used if the standard separation criteria can be met by the utility.

**Attachment B** represents information on the current pipe in the ground that is being crossed by a new pipeline or being paralleled by a new pipeline.

**Attachments C** and **D** represent information on the new pipeline being installed. Attachment C is for parallel construction and Attachment D is for crossings.

**Attachment E** is certification language that is needed to consider the Waterworks Standard alternative application.

Please Note: The information may be submitted using this checklist or another format, but all relevant information must be provided to the Division of Drinking Water District Office for consideration. If multiple crossings or parallel pipelines in multiple locations are part of the application, please indicate in the comments field of the applicable attachment or submittal. Alternatively, the applicant can provide an attachment or separate submittal for each location.

**Attachment A  
(All Cases)**

[This represents the Districts standard potable water pipe information. This is pre-filled out by the District for 12-inch DI potable pipe. Revisions to this attachment are not required.]

### Water System’s Standard Pipe Material and Construction Details

Attach the water system’s standard pipe specification and construction details to this as Exhibit 1 and describe below.

Liquid Conveyed By New Pipeline:  
 Domestic Water  Raw Water  Recycled Water

Sewer  Force Sewer  Storm Drain

Other (describe) Click here to enter text.

Nominal Size: 12 inches

Operating Pressure: 350 psi or  Gravity flow/atmospheric

Pipe Material:  Ductile Iron  Cast Iron  Welded Steel

HDPE  PVC  Concrete  Clay

Other describe Click here to enter text.

AWWA Material Designation Code: Click here to enter text.

Pressure Class/Thickness/Coating Pressure Class 350/Thickness 0.28in/Polyethylene sleeve

Joint Type Construction:  Push On  Restrained  Welded Joints  Fused

Other describe Click here to enter text.

Depth of Cover: 4-ft

**Comments:**

### None

### Attachment B (All Cases)

[Fill-out the information of the potable water pipe that will cross or parallel the non-potable pipe]

### Existing Pipeline Material – Paralleling or Crossing the Proposed Pipe

List the condition of the existing pipeline being paralleled or crossed.

Liquid Conveyed By Existing Pipeline:  
 Domestic Water  Raw Water  Recycled Water

Sewer  Force Sewer  Storm Drain

Other (describe) Click here to enter text.

Nominal Size: Click here to enter text. inches

Operating Pressure: Click here to enter text. psi or  Gravity flow/atmospheric

Pipe Material:  Ductile Iron  Cast Iron  Welded Steel

HDPE  PVC  Concrete  Clay

Other (describe) Click here to enter text.

AWWA Material Designation Code: Click here to enter text.

Pressure Class/Thickness/Coating Click here to enter text.

Joint Type Construction:  Push On  Restrained  Welded Joints  Fused

Other (describe) Click here to enter text.

Length of Project: Click here to enter text.

Age/Condition: Click here to enter text.

Depth of Cover: Click here to enter text.

Separation from proposed pipeline

Note: all distances are measured from the outside walls of both pipelines.

Vertical: Click here to enter text.

Horizontal: Click here to enter text.

Have there been many repairs on the existing pipeline in this area? Yes  No   
if yes, explain: Click here to enter text.

**COMMENTS:**

Click here to enter text.

### Attachment C

### Proposed Parallel Pipeline Material and Construction Information

[Fill-out the information of the non-potable pipe that will parallel the potable water pipe. Submit a separate Attachment C (C-1, C-2, C-3…) for each location this occurs. Attach the entire water improvement plan and call out each location on the plans (C-1, C-2, C-3…). If this does not apply, leave this attachment blank.]

Where the Waterworks Standards cannot be met, it is the responsibility of the water system proposing an alternative to demonstrate that its proposed construction will have at least the “same level of protection to public health” as the minimum separation distances prescribed in the regulations.

Intended Use of New Pipeline:  Distribution  Transmission  Storage

Other (describe) Click here to enter text.

Liquid Conveyed:

Domestic Water  Raw Water  Recycled Water

Sewer  Force Sewer  Storm Drain

Other (describe) Click here to enter text.

Nominal Size: Click here to enter text. inches Flow rate: Click here to enter text. gpm

Operating Pressure: Click here to enter text. psi or  Gravity flow/atmospheric

Pipe Material:  Ductile Iron  Cast Iron  Welded Steel

HDPE  PVC  Concrete  Clay

Other describe Click here to enter text.

AWWA Material Designation Code: Click here to enter text.

Pressure Class/Thickness/Coating Click here to enter text.

Joint Type Construction:  Push On  Restrained  Welded Joints  Fused

Other describe Click here to enter text.

Length of Project: Click here to enter text.

Depth of Cover: Click here to enter text.

Separation From Existing Non- Potable Pipeline

Note: all distances are measured from the outside walls of both pipelines.

Vertical: Click here to enter text.

Horizontal: Click here to enter text.

Is this a temporary installation?  Yes  No

If yes, how long will it be in place? Click here to enter text.

**Can the new pipeline be installed in accordance with the Waterworks Standards? If not explain below:**

Click here to enter text.

**Proposed additional protective measures (*material construction methods, operational considerations, etc.*):**

Click here to enter text.

Attach additional exhibits as necessary

**Attachment D**

# Proposed Pipeline Crossing Material and Construction Information

[Fill-out the information of the non-potable pipe that will cross the potable water pipe. Submit a separate Attachment D (D-1, D-2, D-3…) for each location this occurs. Attach the entire water improvement plan and call out each location on the plans (D-1, D-2, D-3…). If this does not apply, leave this attachment blank.]

Where the Waterworks Standards cannot be met, it is the responsibility of the water system proposing an alternative to demonstrate that its proposed construction will have at least the “same level of protection to public health” as the minimum separation distances prescribed in the regulations.

Intended Use of New Pipeline:  Distribution  Transmission  Storage

Other (describe) Click here to enter text.

Liquid Conveyed:

Domestic Water  Raw Water  Recycled Water

Sewer  Force Sewer  Storm Drain

Other (describe) Click here to enter text.

Nominal Size: Click here to enter text. inches

Operating Pressure: Click here to enter text. psi or  Gravity flow/atmospheric

Pipe Material:  Ductile Iron  Cast Iron  Welded Steel

HDPE  PVC  Concrete  Clay

Other describe Click here to enter text.

AWWA Material Designation Code: Click here to enter text.

Pressure Class/Thickness/Coating Click here to enter text.

Joint Type Construction:  Push On  Restrained  Welded Joints  Fused

Other describe Click here to enter text.

Length of Project: Click here to enter text.

Depth of Cover: Click here to enter text.

Number of Crossings: Click here to enter text.

Angle of Crossings: Click here to enter text.

**Description of crossing pipelines:**

Click here to enter text.

**Can the new pipeline be installed in accordance with the Waterworks Standards? If not explain below:**

Click here to enter text.

**Proposed additional protective measures (*material construction methods, operational considerations, etc.*):**

Click here to enter text.

Attach additional exhibits as necessary

**Attachment E**

**Certification**[The Engineer of Record is required to sign, date, and stamp this Attachment. Digital signatures are accepted.]

# CERTIFYING SIGNATURE:

*For consultants, contractors, and developers: attach written concurrence from the governing water system and pipeline owners stating that the selected project alternative is the preferred alternative.*

Attached concurrence?:  Yes  No  N/A

# I certify that the forgoing information is true and correct to the best of my ability, and that I believe this alternative would provide at least the same level of protection to public health as the minimum separation distances prescribed in the California Waterworks Standards (CCR, Title 22, Section 64572)..

Signature

Name and Title Click here to enter text.

Date Click here to enter a date.