

Recommendation to City Council to Adopt the Proposed Revisions to the Water, Recycled Water and Sewer Standards and Specifications

Board of Public Utilities
June 1, 2017



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SUMMARY

The purpose of this action is to consider providing a recommendation to City Council to adopt the proposed revisions to the Water, Recycled Water and Sewer Standards and Specifications with the following inclusions:

- Delegate future approval authority to the Board
- Effective 30 days from the date of adoption

Study Session regarding the proposed standard revisions conducted with the Board on May 4, 2017

OUTLINE



- Background
- Revision process
- Description of changes
- Importance of keeping up-to-date
- Delegation of approval authority
- Effective date
- Next Steps

BACKGROUND

- **Design Standards**
 - Framework for designing infrastructure
- **Construction Standards**
 - Specific construction details
- **Construction Specifications**
 - Testing procedures and installation methods

BACKGROUND

Part of Citywide standards related to the development of public infrastructure

- Streets
- Traffic
- Storm Drain
- Parks and Landscaping
- Street Lights

BACKGROUND

Applicability

- Additions and modifications to water and sewer systems
- CIP and private development projects
- Local operations

BACKGROUND

Most recent standard update in 2009

- Council Resolution Number 27404
- Larger domestic services sizes
- High-Density Polyethylene pipe
- Two-way sewer cleanout

BACKGROUND

Citywide standard update attempted in 2014

- **Council - June 3, 2014 (Continued)**
 - Council requested clear description of changes
- **Council - June 10, 2014 (Continued)**
 - Staff requested additional time to prepare documents
- **Council - July 8, 2014 (Redirected)**
 - Council requested review by Planning Commission and the Design Review Board

REVISION PROCESS

- **Input from multiple City departments**
 - Fire, Transportation and Public Works, Parks and Planning and Economic Development
 - Ensures consistency with other codes and policies
- **Public outreach**
 - American Council of Engineering Companies (ACEC)
 - Engineering Contractor's Association (ECA)
- **Coordinating with Street Standards update**

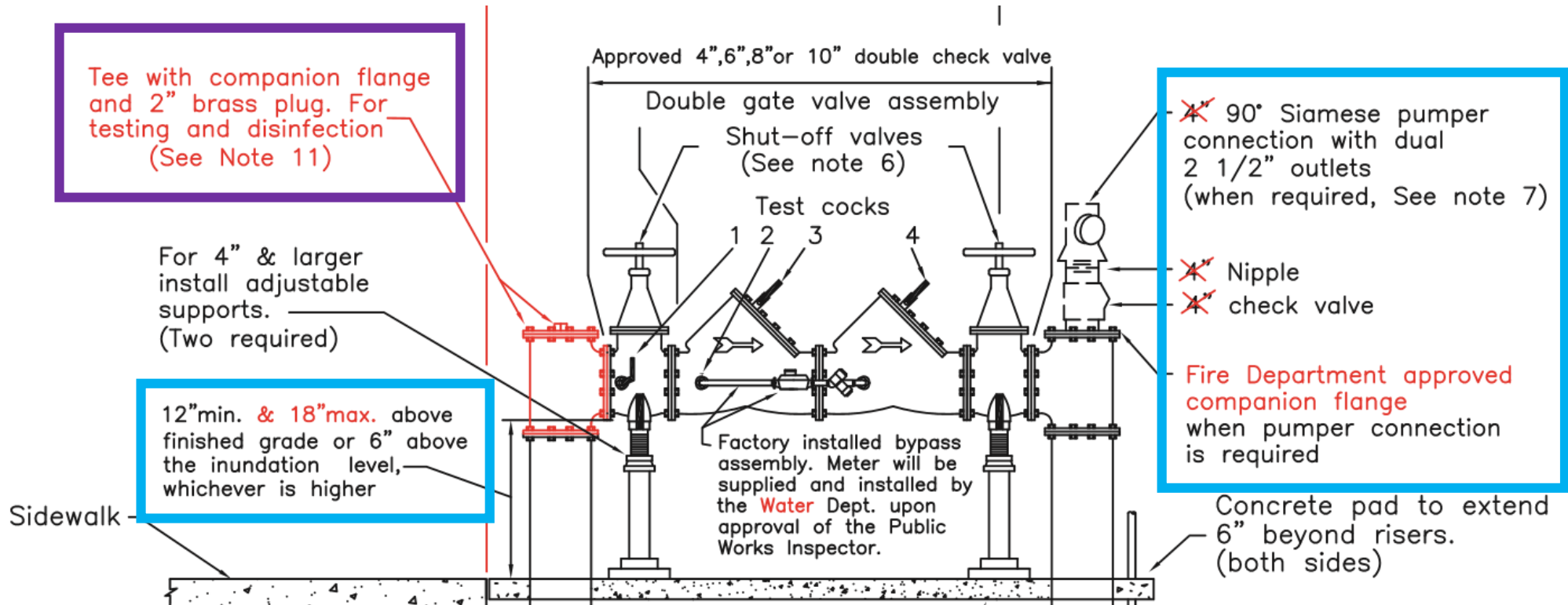
DESCRIPTION OF CHANGES

- **Clarification (70%)**
 - Verbiage or detail to better explain intent
- **Correction (20%)**
 - Identifies correct information or material
- **Improvement (10%)**
 - Improvement in methods or material

DESCRIPTION OF CHANGES - CONSTRUCTION

Improvement

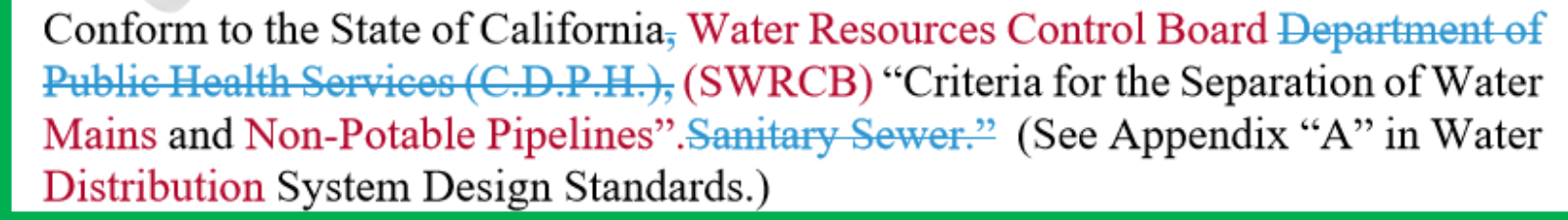
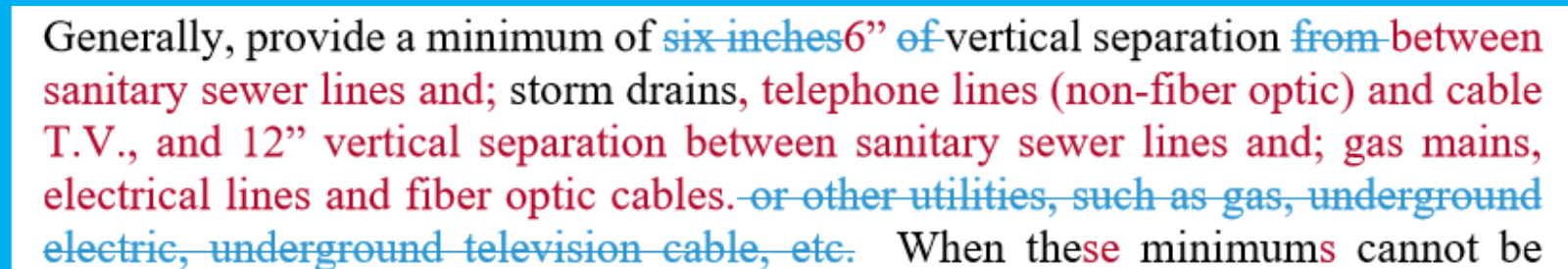


Clarification



DESCRIPTION OF CHANGES – SEWER DESIGN

-  Correction
-  Clarification

B. Vertical

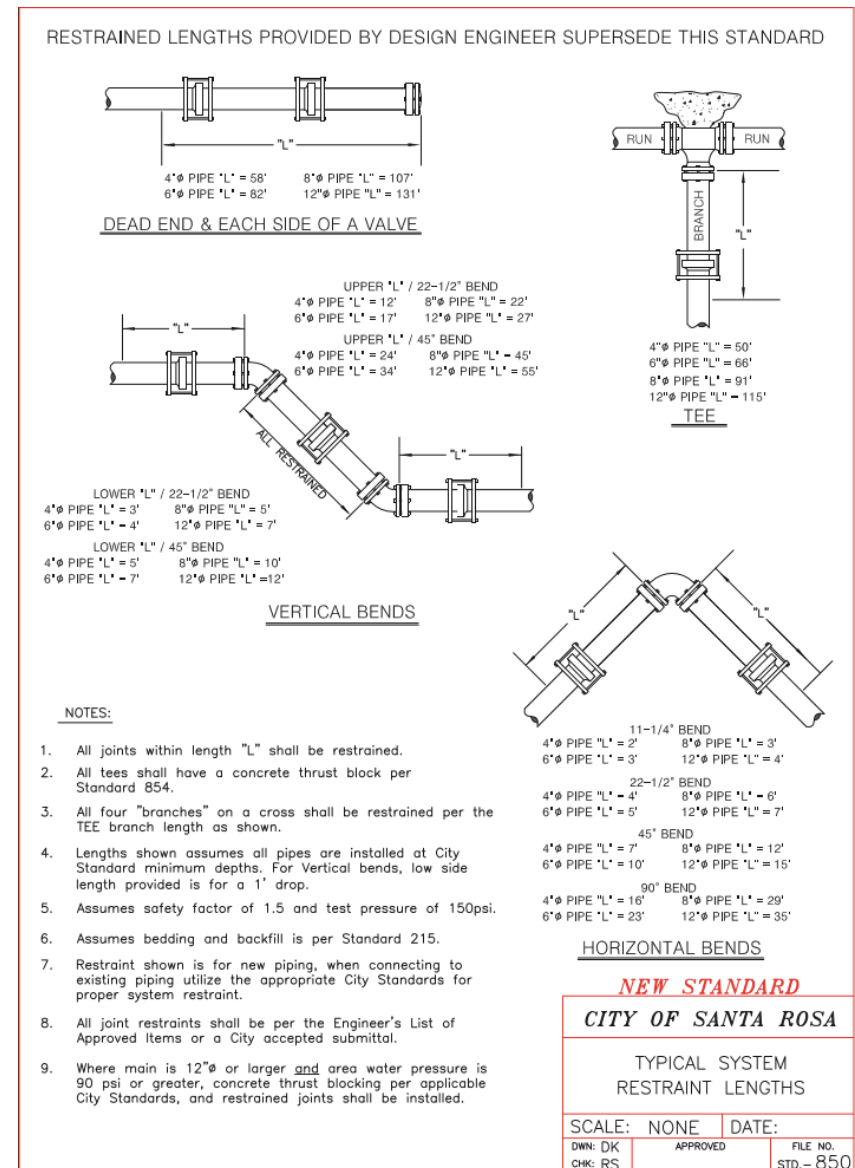
1. Conform to the State of California, ~~Water Resources Control Board~~  ~~Department of Public Health Services (C.D.P.H.), (SWRCB)~~ “Criteria for the Separation of Water Mains and Non-Potable Pipelines”. ~~Sanitary Sewer.”~~ (See Appendix “A” in Water Distribution System Design Standards.)
2.  Generally, provide a minimum of ~~six inches~~  6” ~~of~~ vertical separation ~~from~~  between sanitary sewer lines and; storm drains, telephone lines (non-fiber optic) and cable T.V., and 12” vertical separation between sanitary sewer lines and; gas mains, electrical lines and fiber optic cables. ~~or other utilities, such as gas, underground electric, underground television cable, etc.~~ When these minimums cannot be

DESCRIPTION OF CHANGES - CONSTRUCTION

New Standard

Water – Standard 850

- Allows restrained joints
- Avoids concrete thrust blocks
- Simplifies installation and maintenance



DESCRIPTION OF CHANGES

Sewer and Water Standard Specifications

- Significant changes needed to align CIP and private development process
- Creates a higher level of predictability to the construction industry
- Avoids lengthy specifications for capital projects

DESCRIPTION OF CHANGES

Recycled Water Standards

- Minimal changes
- Majority of updates ensure consistency with potable water revisions

WHY KEEP THE STANDARDS UP-TO-DATE?

- Ensures consistency in all additions and modifications to the systems
- Provides predictability to the design and construction communities
- Avoids the need to address updates on a case-by-case basis through the plan revision process

WHY KEEP THE STANDARDS UP-TO-DATE?

Proposed update process

- Annual review cycle
- Coordinate with Citywide Standards Committee
- Align with industry specific code cycles

FUTURE APPROVAL AUTHORITY

- Recommend approval authority of water, recycled water and sewer standards and specifications be delegated to the Board of Public Utilities
- Timelier processing of future revisions
- Consistent with Section 25 of the Charter of the City of Santa Rosa

EFFECTIVE DATE

- Recommend that revised standards go into effect 30 days from Council adoption and only apply to new projects submitted after the effective date
- Proposal will limit impacts to the private design community and avoid a redesign of plans currently under review

NEXT STEPS

- Approximately 45 days after Board meeting, consideration by City Council to adopt standards
- Public notification regarding effective date
 - Website updates
 - Notices at Planning and Economic Development Counter
 - Direct communication with engineering and contracting organizations

RECOMMENDATION

Board, by resolution, recommend that City Council adopt the proposed revisions to the design and construction standards and:

- Recommend that City Council delegate future approval authority to the Board
- Recommend that City Council allow standards to go into effect 30 days from the date of adoption

QUESTIONS?



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