

RESOLUTION NO. 16020

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDWOOD CITY APPROVING AND ADOPTING AMENDMENTS TO 2019 ENGINEERING STANDARDS FOR THE CITY OF REDWOOD CITY

WHEREAS, on November 25, 2019, the City Council adopted Resolution No. 15802 approving those certain documents entitled “Standard Technical Specifications”, “City Standard Details”, and “Design Criteria” collectively described as “Engineering Standards for the City of Redwood City”; and

WHEREAS, the City Engineer recommends amending the Engineering Standards for the City of Redwood City in order to meet current City and State Codes, provide clarification for frequently asked questions, and incorporate the latest technologies for construction of public works projects; and

WHEREAS, the proposed amendments to the Engineering Standards for the City of Redwood City are summarized in Exhibit A – Engineering Standards Revision Summary – December 9, 2021; and

WHEREAS, a redlined version of those Engineering Standards for the City of Redwood City proposed for amendment is attached to the staff report prepared in connection with this Resolution (“Staff Report”);and

WHEREAS, the City Council reviewed and considered the proposed amendments to the Engineering Standards for the City of Redwood City as summarized in Exhibit A and attached to the Staff Report.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF REDWOOD CITY, AS FOLLOWS:

1. The redline of those proposed amendments to Engineering Standards for the City of Redwood City dated December 9, 2021, attached to the Staff Report and on

file with the City's Community Development and Transportation Department, are hereby approved and adopted as the City's minimum standards. Nothing herein contained shall be deemed to limit the authority of this Council, or any commission, board or officer of the City to require higher or different standards as may be otherwise duly authorized or required.

2. The City Manager or his/her designee and any all other duly authorized officers of the City of Redwood City are hereby authorized and directed to implement the revised standards.

3. This resolution shall go into effect immediately upon adoption.

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EXHIBIT A
ENGINEERING STANDARDS
REVISION SUMMARY – DECEMBER 9, 2021

Notice: This summary is intended to provide a quick reference and may not contain all the changes. A redlined version of those Engineering Standards proposed for amendment is attached to the Staff Report and electronic copies of the revised three volume set is available for review at the City Clerk's office.

VOLUME I – STANDARD SPECIFICATIONS

SECTION 02662 RECYCLED WATER SYSTEMS
Revised 2.09 to match language in detail RW-40

VOLUME II – STANDARD DETAILS

C-1 RESIDENTIAL DRIVEWAY APPROACH
Updated notes.

C-11 CONCRETE VALLEY GUTTER
New standard.

E-3 STREET LIGHT (SINGLE)
Revised title error.

FP-1 FIRE SERVICE (SYSTEM LAYOUT PLAN)
New detail.

RW-1 HDPE RECYCLED WATER SERVICES
Updated notes.

RW-21 HDPE CATHODIC PROTECTION TEST STATION HOUSING
Revised title error.

RW-22 HDPE CATHODIC PROTECTION EXOTHERMIC WELDING
Revised title error.

RW-32 HDPE RECYCLED WATER BACKFLOW PREVENTION (DOMESTIC)
New detail.

RW-40 HDPE LOCATOR WIRE
Revised title error.

RW-41 HDPE VALVE STEM EXTENSION
Revised title error.

RW-42 HDPE VALVE BOX AND RISER

Revised title error.

UT-1 UTILITY TRENCH

Replaced reinforcing fabric with tack coat.

UT-2 UTILITY TRENCH (BAY MUD)

Replaced reinforcing fabric with tack coat.

UT-3A FIBER MICROTRENCH

New detail.

UT-4a PIPE ANCHORS

Changed from "1 of 1" to "1 of 2".

UT-4b TRENCH STABILIZERS

Changed from UT-5 to UT-4 sheet "2 of 2".

W-1 PVC WATER SERVICES

Updated notes.

W-1 HDPE WATER SERVICES

Updated notes.

W-2 PVC 4" AND 6" WATER SERVICES

Updated notes.

W-2 HDPE 4" AND 6" WATER SERVICES

Updated notes.

W-3 PVC FIRE HYDRANT

Updated notes.

W-3 HDPE FIRE HYDRANT

Updated notes.

W-6 PVC COMBINATION AIR RELEASE AND VACUUM VALVE

Revised table values.

W-6 HDPE COMBINATION AIR RELEASE AND VACUUM VALVE

Revised table values.

W-12 PVC VERTICAL BLOCK ANCHOR

Updated notes.

W-14 PVC RESTRAINTS FOR WATER MAIN LOWERING

Revised for clarity.

W-16 PVC GATE AND BUTTERFLY VALVES JOINTS AND ADAPTERS
Removed unnecessary text.

W-16 HDPE GATE AND BUTTERFLY VALVES JOINTS AND ADAPTERS
Removed unnecessary text.

W-20 PVC CATHODIC PROTECTION AT FITTINGS AND VALVES
Updated references.

W-31 PVC UNDERGROUND BACKFLOW DEVICE
Added new note #8.

W-32 PVC ABOVE GROUND BACKFLOW DEVICE
Removed unnecessary text from note #1.

W-33 PVC ABOVE GROUND BACKFLOW DEVICE (BACKFLOW FUNNEL)
New detail.

W-36 ZERO LOT LINE BACKFLOW DEVICE ENCLOSURES (CLAMSHELL)
New detail.

W-37 ZERO LOT LINE BACKFLOW DEVICE ENCLOSURES (LIFT-OFF)
New detail.

W-43 PVC EXCAVATION FOR TAPPING SLEEVES AND VALVES
Added notes.

W-47 PVC PIPE REPAIRS, TIE-INS, AND CONNECTIONS
New detail.

W-48 PVC VALVE BOX ABANDONMENT
New detail.

W-49 FIRE HYDRANT ABANDONMENT
New detail.

VOLUME III – DESIGN CRITERIA

PART IV DRIVEWAYS, OFF-STREET PARKING, AND LOADING FACILITIES DESIGN CRITERIA

Updated references to latest standard details.

PART VII WATER SYSTEM DESIGN CRITERIA

Updated formatting and numbering.

PART XIII. ATTACHMENTS

- Attachment A-1** **GENERAL NOTES**
UPDATED NOTE #7
- Attachment A-2** **WATER NOTES**
UPDATED REFERENCES TO DETAILS AND PHONE #'S
- Attachment E-2** **DRIVEWAY RAMPS & TURNING RADII**
(NEW ATTACHMENT, PREVIOUSLY IN 2014 STANDARDS)
- Attachment P** **FIRE TRUCK TURNOUTS**
(NEW ATTACHMENT, PREVIOUSLY IN 2014 STANDARDS)

Passed and adopted by the Council of the City of Redwood City at a
Joint City Council/Successor Agency Board/Public Financing Authority Meeting
thereof held on the 24th day of January, 2022 by the following votes:

AYES:	Aguirre, Espinoza-Garnica, Gee, Howard, Reddy, Smith and Mayor Hale
NOES:	None
ABSENT:	None
ABSTAINED:	None
RECUSED:	None



Giselle Hale
Mayor of the City of Redwood City

Attest:



Pamela Aguilar, CMC
City Clerk of Redwood City

I hereby approve the foregoing resolution this
24th day of January 2022.



Giselle Hale
Mayor of the City of Redwood City