

PIPELINE EXTENSION AGREEMENT STUDY

Title: Auburn Grove – San Rafael

Prepared by: Joseph Eischens

Date: 04/13/2026

Type of Development: Residential Subdivision – 79-units

Area/System: Forbes Reservoir (11/04)

Lead Agency: County of Marin

CEQA Requirements: Categorically Exempt – Section 211.59.25

Fire Flow Requirement: 1,500gpm

Set By: MCFD

Building Site Elevation: 0-10’

Pressure: 120psi

Water Facilities Required: approximately 1150’ of 6” pipe, 4-6” hydrants, 15-4” firelines, 11-1.5” services and 6-1” services (existing services – 2-3/4” residential)

Annual Consumption: 12.75af (1.37af for Irrigation) **Average Summer Day:** 255 gal./unit

	Before	After	Dist. Standard/Minimum
Tank Adequacy Rating:	1.46	1.45	2.00/1.25
Pump Adequacy Rating:	NA	NA	3.00/1.50

Estimated Cost of Work: A summary of the estimated costs to provide facilities and capacity for the pipeline extension applied for as developed in this report is as follows:

	Column 1: Materials, Fees, and Charges	Column 2: Installation Costs	Column 3: Total
Pipeline Installation	\$33,806	\$207,500	\$241,306
Hydrant Installation	\$24,184	\$88,000	\$112,184
Service Installation	\$29,075	\$91,395	\$120,470
Fireline Installation	\$53,685	\$270,000	\$323,685
District Labor and Equipment	\$84,300	\$0	\$84,300
Capacity Charges	\$987,660	\$0	\$1,004,400
TOTAL	\$1,212,710	\$656,895	\$1,869,605

Said cost estimates are made solely for the convenience of District in determining required deposits, bonds, and guarantees; and they are based, in part, on information submitted by the applicant.

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