



FORM 196
Rev. 04/03

**COUNTY OF LOS ANGELES FIRE DEPARTMENT
FIRE PREVENTION DIVISION**

Fire Prevention Engineering
5823 Rickenbacker Road
Commerce, CA 90040
Telephone (323) 890-4125 Fax (323) 890-4129

Information on Fire Flow Availability for Building Permit

For All Buildings Other Than Single Family Dwellings (R-3)

INSTRUCTIONS:

Complete parts I, II (A) when:

Verifying fire flow, fire hydrant location and fire hydrant size.

Complete parts I, II (A), & II (B) when:

For buildings equipped with fire sprinkler systems, and/or private on-site fire hydrants.

**PROJECT INFORMATION
(To Be Completed By Applicant)**

PART I

Building Address: 13900 W. Tahiti Way (aka, "Parcel 7")

City or Area: Marina del Rey, California 90292

Nearest Cross Street: Via Marina to west

Distance of Nearest Cross Street: approximately 1,670 feet to west

Applicant: 13900 Tahiti Harbor, Ltd. (Isaac Hakim) Telephone: (310) 823-4504

Address: same as building address above

City: Marina del Rey

Occupancy (Use of Building): 149 apartments Sprinklered: Yes No

Type of Construction: Type 5

Square Footage: approximately 237,500 Number of Stories: 3 over open gar.

Present Zoning: "Specific Plan" - parcel is designated "Residential III" in MDR Specific Plan

Applicant's Signature

October 5, 2009
Date

PART II-A

INFORMATION ON FIRE FLOW AVAILABILITY
(To be completed by Water Purveyor)

Note: Two (2) fire hydrants were flowed simultaneously

Location end of cul-de-sac on Tahiti
(in the median)

Distance from Nearest Property Line 50' Size of Hydrant 6x4x2 1/2 Hydrant Number N/A Size of Water main 10-inch

Static PSI 91 Residual PSI 50 Orifice size 4" + 2.5" Pitot 20 + 30 psi

Fire Flow at 20 PSI 4248 gpm Duration 3 hr Flow Test Date / Time 10/13/09 10am

Location 350-ft from end of cul-de-sac on Tahiti
(in the median)

Distance from Nearest Property Line 400' Size of Hydrant 6x4x2 1/2 Hydrant Number N/A Size of Water main 12-inch

Static PSI 91 Residual PSI 50 Orifice size 4" + 2.5" Pitot 20 + 30 psi

Fire Flow at 20 PSI 4248 gpm Duration 3 hr Flow Test Date / Time 10/13/09 10am

Location 550-ft from end of cul-de-sac on Tahiti
(in the median)

Distance from Nearest Property Line 600' Size of Hydrant 6x4x2 1/2 Hydrant Number N/A Size of Water main 12-inch

Static PSI 91 Residual PSI 50 Orifice size 4" + 2.5" Pitot 20 + 30 psi

Fire Flow at 20 PSI 4248 gpm Duration 3 hr Flow Test Date / Time 10/13/09 10am

PART II-B

SPRINKLERED BUILDINGS/PRIVATE FIRE HYDRANTS ONLY

Detector Location (check one) Above Grade Below Grade Either

Backflow Protection Required (Fire Sprinklers/Private Hydrant) (check one) Yes No

Minimum Type of Protection Required (check one) Single Check Detector Assembly

Double Check Detector Assembly Reduced Pressure Principle Detector Assembly

LA County Waterworks District No. 29

Water Purveyor

10-14-2009

Date



Signature

Associate Civil Engineer

Title

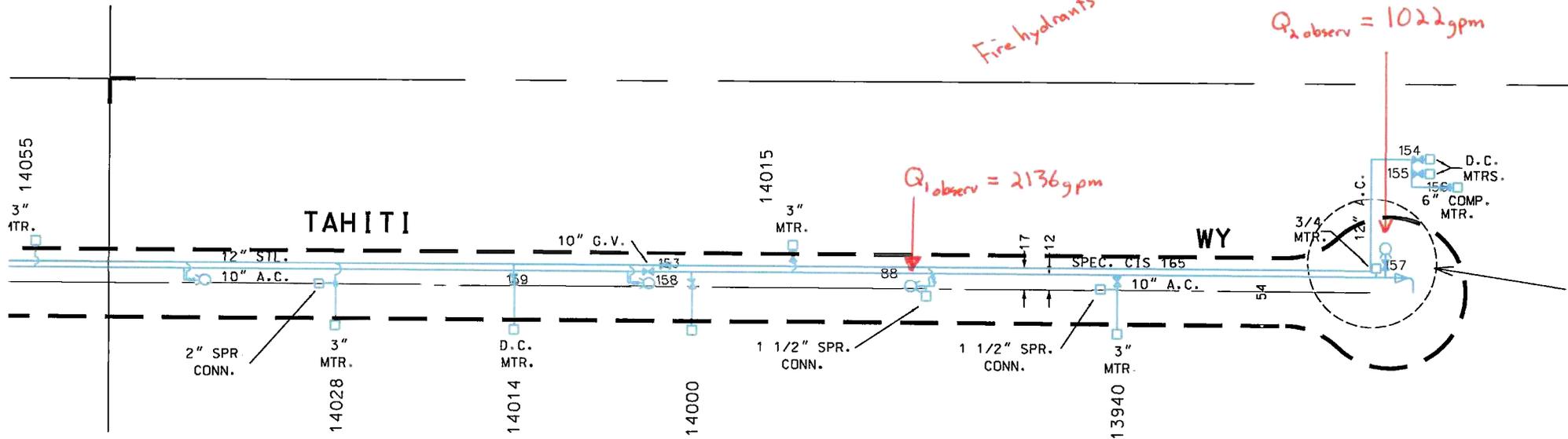
This Information is Considered Valid for Twelve Months

Fire Department approval of building plans shall be required prior to the issuance of a Building Permit by the jurisdictional Building Department. Any deficiencies in water systems will need to be resolved by the Fire Prevention Division only prior to this department's approval of building plans.

Test Date + Time 10-13-09 @ 10:00am

Test static pressure = 91psi
 resid. pressure = 50psi

Fire hydrants were flowed simultaneously....



$Q_{2 \text{ observ}} = 1022 \text{ gpm}$

$Q_{1 \text{ observ}} = 2136 \text{ gpm}$

Hazen Williams

$$Q_{20} = Q_{\text{obs}} \frac{[\text{static} - 20]^{0.54}}{[\text{static} - \text{residual}]^{0.54}}$$

$$Q_{20} = 3158 \times \frac{9.99}{7.43}$$

$$Q_{20} = 4246 \text{ gpm @ } 20 \text{ psi residual}$$

prepared by Kirk
 Allen
 10-14-09