
APPENDIX R

SEWER, FIRE AND WATER CAPACITY REPORT INFORMATION

Sewer Capacity Availability Request (SCAR)

To: Bureau of Sanitation

The following request is submitted to you on behalf of the applicant requesting to connect to the public sewer system. Please verify that the capacity exists at the requested location for the proposed developments shown below. The results are good for 180 days from the date the sewer capacity approval from the Bureau of Sanitation.

Job Address:	4446 FLORIZEL STREET	Sanitation Scar ID:	64-4440-1218
Date Submitted	12/11/2018	Request Will Serve Letter?	Yes
BOE District:	Central District		
Applicant:	MARTIN MONASTERIO		
Address:	600 W WILSHIRE BLVD	City :	LOS ANGELES
State:	CA	Zip:	90017
Phone:	213.988.8802	Fax:	
Email:	MMONASTERIO@FUSCOE.COM	BPA No.	
S-Map:	495	Wye Map:	5039-8

SIMM Map - Maintenance Hole Locations

No.	Street Name	U/S MH	D/S MH	Diam. (in)	Approved Flow %	Notes
1	FLORIZEL ST	49508001	49508002	8	12.00	4,265 GPD
2	FLORIZEL ST	49508290	49508002	8	20.00	7,109 GPD
3	FLORIZEL ST	49508003	49508005	8	22.00	7,820 GPD
4	MACKENZIE AVE	49508031	49508048	8	10.00	3,555 GPD
5	MERCURY AVE	49508045	49508046	8	15.00	5,332 GPD
6	MERCURY AVE	49508046	49508047	8	21.00	7,464 GPD

Proposed Facility Description

No.	Proposed Use Description	Sewage Generation (GPD)	Unit	Qty	GPD
1	RESIDENTIAL: SFD - 1 BDRM. *6	140	DU	97	13,580
2	RESIDENTIAL: SFD - 2 BDRMS *6	185	DU	57	10,545
3	RESIDENTIAL: SFD - 3 BDRMS *6	230	DU	34	7,820
4	COMMUNITY CENTER	3	OCCUPANT	1,200	3,600

Proposed Total Flow (gpd): 35,545

Remarks 1] Approved for the maximum allowable capacity of 35,545 GPD (24.68 gpm). 2] Discharge as indicated on SCAR letter.

Note: Results are good for 180 days from the date of approval by the Bureau of Sanitation

Date Processed: 12/12/2018 Expires On: 06/10/2019

Processed by: **Albert Lew**
Bureau of Sanitation
Phone: 323-342-6207
Sanitation Status: **Approved**
Reviewed by: **Ricardo Avendano**
on **12/12/2018**

Submitted by: **Steve Melgar**
Bureau of Engineering
Central District
Phone: 213-482-7050

Fees Collected	Yes	SCAR FEE (W:37 / QC:704) \$1,430.00
Date Collected	12/11/2018	SCAR Status: Completed

SEWER CAPACITY AVAILABILITY REVIEW FEE (SCARF) - Frequently Asked Questions

SCAR stands for Sewer Capacity Availability Review that is performed by the Department of Public Works, Bureau of Sanitation. This review evaluates the existing sewer system to determine if there is adequate capacity to safely convey sewage from proposed development projects, proposed construction projects, proposed groundwater dewatering projects and proposed increases of sewage from existing facilities. The SCAR Fee (SCARF) recovers the cost, incurred by the City, in performing the review for any SCAR request that is expected to generate 10,000 gallons per day (gpd) of sewage.

The SCARF is based on the effort required to perform data collection and engineering analysis in completing a SCAR. A brief summary of that effort includes, but is not limited to, the following:

1. Research and trace sewer flow levels upstream and downstream of the point of connection.
2. Conduct field surveys to observe and record flow levels. Coordinate with maintenance staff to inspect sewer maintenance holes and conduct smoke and dye testing if necessary.
3. Review recent gauging data and in some cases closed circuit TV inspection (CCTV) videos.
4. Perform gauging and CCTV inspection if recent data is not available.
5. Research the project location area for other recently approved SCARs to evaluate the cumulated impact of all known SCARs on the sewer system.
6. Calculate the impact of the proposed additional sewage discharge on the existing sewer system as it will be impacted from the approved SCARs from Item 6 above. This includes tracing the cumulative impacts of all known SCARs, along with the subject SCAR, downstream to insure sufficient capacity exist throughout the system.
7. Correspond with the applicant for additional information and project and clarification as necessary.
8. Work with the applicant to find alternative sewer connection points and solutions if sufficient capacity does not exist at the desired point of connection.

Questions and Answers:

1. When is the SCARF applied, or charged?

It applies to all applicants seeking a Sewer Capacity Availability Review (SCAR). SCARs are generally required for Sewer Facility Certificate applications exceeding 10,000 gpd, or request from a property owner seeking to increase their discharge thru their existing connection by 10,000 gpd or more, or any groundwater related project that discharges 10,000 gpd or more, or any proposed or future development for a project that could result in a discharge of 10,000 gpd.

2. Why is the SCARF being charged now when it has not been in the past?

The City has seen a dramatic increase in the number of SCARs over 10,000 gpd in the last few years and has needed to increase its resources, i.e., staff and gauging efforts, to respond to them. The funds collected thru SCARF will help the City pay for these additional resources and will be paid by developers and property owners that receive the benefit from the SCAR effort.

3. Where does the SCARF get paid?

The Department of Public Works, Bureau of Engineering (BOE) collects the fee at its public counters. Once the fee is paid then BOE prepares a SCAR request and forwards it to the BOS where it is reviewed and then returned to BOE. BOE then informs the applicant of the result. In some cases, BOS works directly with the applicant during the review of the SCAR to seek additional information and work out alternative solutions



City of Los Angeles

Los Angeles Department of Water and Power - Water System



SAR NUMBER 73166

Fire Service Pressure Flow ReportSERVICE NUMBER 629661For: 4446 FLORIZEL ST Approved Date: **12-20-2018**Proposed Service 4 INCH off of the6 inch main in BOUNDARY AVE on the EAST side approximately180 feet NORTH of NORTH of MERCURY AVE The System maximum pressure is120 psi based on street curb elevation of 524 feet above sea level at this location.The distance from the DWP street main to the property line is 33 feet**System maximum pressure should be used only for determining class of piping and fittings.****Residual Flow/Pressure Table for water system street main at this location**

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	81				
230	80				
330	79				
415	78				
480	77				
545	76				
600	75				

Meter Assembly Capacities**Domestic Meters**

- 1 inch = 56 gpm
- 1-1/2 inch = 96 gpm
- 2 inch = 160 gpm
- 3 inch = 220 gpm
- 4 inch = 400 gpm
- 6 inch = 700 gpm
- 8 inch = 1500 gpm
- 10 inch = 2500 gpm

Fire Service

- 2 inch = 250 gpm
- 4 inch = 600 gpm
- 6 inch = 1400 gpm
- 8 inch = 2500 gpm
- 10 inch = 5000 gpm

FM Services

- 8 inch = 2500 gpm
- 10 inch = 5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: OK to sell combo (4"FS + 2"DS).**This information will be sent to the Department of Building and Safety for plan checking.**

This SAR is valid for one year from 12-20-18. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216**

RUIPIN WANG

Prepared by

RUIPIN WANG

Approved by

144-228

Water Service Map



City of Los Angeles

Los Angeles Department of Water and Power - Water System



SAR NUMBER 73167

Fire Service Pressure Flow Report

SERVICE NUMBER 629662

For: 4446 FLORIZEL ST Approved Date: **12-20-2018**

Proposed Service 4 INCH off of the

8 inch main in MCKENZIE AVE on the WEST side approximately

180 feet NORTH of NORTH of MERCURY AVE The System maximum pressure is

139 psi based on street curb elevation of 480 feet above sea level at this location.

The distance from the DWP street main to the property line is 18 feet

System maximum pressure should be used only for determining class of piping and fittings.

Residual Flow/Pressure Table for water system street main at this location

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	101				
285	100				
415	99				
515	98				
600	97				

Meter Assembly Capacities

Domestic Meters	
1 inch =	56 gpm
1-1/2 inch =	96 gpm
2 inch =	160 gpm
3 inch =	220 gpm
4 inch =	400 gpm
6 inch =	700 gpm
8 inch =	1500 gpm
10 inch =	2500 gpm

Fire Service	
2 inch =	250 gpm
4 inch =	600 gpm
6 inch =	1400 gpm
8 inch =	2500 gpm
10 inch =	5000 gpm

FM Services	
8 inch =	2500 gpm
10 inch =	5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: OK to sell combo (4"FS + 1.5"DS).

This information will be sent to the Department of Building and Safety for plan checking.
 This SAR is valid for one year from 12-20-18. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216**



City of Los Angeles

Los Angeles Department of Water and Power - Water System



SAR NUMBER 73168

Fire Service Pressure Flow ReportSERVICE NUMBER **629663**For: 4446 FLORIZEL ST Approved Date: **12-20-2018**Proposed Service 4 INCH off of the6 inch main in FLORIZEL ST on the SOUTH side approximately250 feet WEST of WEST of MCKEINZIE AVE The System maximum pressure is131 psi based on street curb elevation of 498 feet above sea level at this location.The distance from the DWP street main to the property line is 15 feet**System maximum pressure should be used only for determining class of piping and fittings.****Residual Flow/Pressure Table for water system street main at this location**

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	90				
175	89				
250	88				
315	87				
365	86				
415	85				
455	84				
495	83				
530	82				
565	81				
600	80				

Meter Assembly Capacities**Domestic Meters**

1 inch = 56 gpm
 1-1/2 inch = 96 gpm
 2 inch = 160 gpm
 3 inch = 220 gpm
 4 inch = 400 gpm
 6 inch = 700 gpm
 8 inch = 1500 gpm
 10 inch = 2500 gpm

Fire Service

2 inch = 250 gpm
 4 inch = 600 gpm
 6 inch = 1400 gpm
 8 inch = 2500 gpm
 10 inch = 5000 gpm

FM Services

8 inch = 2500 gpm
 10 inch = 5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: OK to sell combo (4"FS + 4"DS).

This information will be sent to the Department of Building and Safety for plan checking.

This SAR is valid for one year from 12-20-18. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216****RUIPIN WANG**

Prepared by

RUIPIN WANG

Approved by

144-228

Water Service Map



City of Los Angeles

Los Angeles Department of Water and Power - Water System



SAR NUMBER 73169

Fire Service Pressure Flow ReportSERVICE NUMBER **629664**For: 4446 FLORIZEL ST Approved Date: **12-20-2018**Proposed Service 4 INCH off of the12 inch main in MERCURY AVE on the NORTH side approximately250 feet EAST of EAST of BOUNDARY AVE The System maximum pressure is227 psi based on street curb elevation of 500 feet above sea level at this location.The distance from the DWP street main to the property line is 17 feet**System maximum pressure should be used only for determining class of piping and fittings.****Residual Flow/Pressure Table for water system street main at this location**

Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)	Flow (gpm)	Press. (psi)
0	184	585	166		
120	183	600	165		
180	182				
220	181				
260	180				
290	179				
320	178				
350	177				
375	176				
400	175				
425	174				
445	173				
470	172				
490	171				
510	170				
530	169				
545	168				
565	167				

Meter Assembly Capacities**Domestic Meters**

1 inch = 56 gpm
 1-1/2 inch = 96 gpm
 2 inch = 160 gpm
 3 inch = 220 gpm
 4 inch = 400 gpm
 6 inch = 700 gpm
 8 inch = 1500 gpm
 10 inch = 2500 gpm

Fire Service

2 inch = 250 gpm
 4 inch = 600 gpm
 6 inch = 1400 gpm
 8 inch = 2500 gpm
 10 inch = 5000 gpm

FM Services

8 inch = 2500 gpm
 10 inch = 5000 gpm

These values are subject to change due to changes in system facilities or demands.

Notes: OK to sell combo (4"FS + 2"DS).

This information will be sent to the Department of Building and Safety for plan checking.

This SAR is valid for one year from 12-20-18. Once the SAR expires, the applicant needs to re-apply and pay applicable processing fee.

For additional information contact the Water Distribution Services Section **CENTRAL (213) 367-1216****RUIPIN WANG**

Prepared by

RUIPIN WANG

Approved by

144-228

Water Service Map



Water Revenue Fund

Office Issued By: .WD 1425-E Perez
Office Issued To: Accounting BU
Amount: NINE HUNDRED TWENTY DOLLARS And 00/100 CENTS
Received Of: TRCC-ROSE HILL COURT
Collection Address: 18201 VON KARMAN AVE. SUITE 900,IRVINE CA 92612
Comments: SAR FOR FWD 4/2, 1/1 1/2, 4/4, 4/2

Date: 12/13/2018
Assigned To: E Perez
Telephone No.: 213-988-8802

Fee Type	Size/other	Rate	Rate Per	Units	Amount	ID No. / Location / Map
Service Install-Service Advisory Req.	4" Fire w/ Dom	\$230.00	SAR	x 1.00 =	\$230.00	629661 / 4446 Florizel St / 144-228
Service Install-Service Advisory Req.	4" Fire w/ Dom	\$230.00	SAR	x 1.00 =	\$230.00	629662 / 4446 Florizel St / 144-228
Service Install-Service Advisory Req.	4" Fire w/ Dom	\$230.00	SAR	x 1.00 =	\$230.00	629663 / 4446 Florizel St / 144-228
Service Install-Service Advisory Req.	4" Fire w/ Dom	\$230.00	SAR	x 1.00 =	\$230.00	629664 / 4446 Florizel St / 144-228

Payment Method: Check **Payment Ref. No.:** 1024 **\$920.00**

Department Of Water & Power

Received By Cashier: _____ On: ____ / ____ / ____ By: _____ Printed On: 12/20/2018

Internal Comments:

Processing and installation time for services 3-inches and smaller takes approximately 90 days, and approximately 120 days for services 4 inches and larger, from the time full payment and all required information is received. This time could vary based on the Los Angeles Department of Public Works, Bureau of Engineering permitting conditions and requirements and the availability of the DWP construction crews.



To check the status of your job, log on to <http://wmisweb.ladwp.com/waterwmis>
(Water Services ONLY)