

A G E N D A
SAN RAFAEL SANITATION DISTRICT
BOARD OF DIRECTORS
FRIDAY – SEPTEMBER 27, 2019 - 9:00 A.M.
SAN RAFAEL CITY HALL
1400 FIFTH AVENUE – CDD LARGE CONF. RM. – 2nd Fl.
SAN RAFAEL, CALIFORNIA 94901

Members of the public may speak on Agenda items.

1. OPEN PERIOD

Opportunity for the public to address the Board on items not on the agenda.
(Presentations are generally limited to 2 minutes.)

2. MINUTES OF THE MEETING

Not submitted.

3. PAYMENTS

Request approval as submitted.

4. OLD BUSINESS

None.

5. NEW BUSINESS

- a. Presentation of the 2018-19 Financial Statements for acceptance and approval. (John Maher)
- b. Presentation of the 2018-19 Schedule of Connection Fees for acceptance and approval. (John Maher)
- c. Report on bid opening for the South Francisco Pump Station Improvement Project and adopt resolution to award contract.
- d. Adopt resolution authorizing the District Manager/District Engineer to request bids and execute an Informal Emergency Project in accordance with Section 20783 of the Public Contract Code for the Beach Drive Emergency Force Main Repair Project.

6. INFORMATIONAL ITEMS

7. DIRECTOR REPORTS/REQUESTS FOR FUTURE AGENDA ITEMS

8. ADJOURNMENT

The next scheduled meeting is October 25, 2019.

SAN RAFAEL SANITATION DISTRICT

PAYMENT SUMMARY

July 1, 2019 - July 31, 2019

Vendor/Payee	Memo	Class	Acct #	Account Name	Amount
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 6/26/19	200	2021	Uniforms	146.01
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 7/03/19	200	2021	Uniforms	100.51
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 7/10/19	200	2021	Uniforms	105.51
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 7/17/19	200	2021	Uniforms	100.51
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 7/24/19	200	2021	Uniforms	100.51
AT&T 8362	Telephone Service - land lines for pump stations and dialers from 6/02/19-7/01/19	100	2534	Telephone service	312.57
AT&T MOBILITY	Telephone Service - cell phone service from 6/04/19-7/03/19	100	2534	Telephone service	672.63
BAY AREA AIR QUALITY MANAGEMENT DIS	Pump Stations - Glenwood Pump Station annual permit renewal fee 9/01/19-9/01/20	200	2359	Maint- pump sta's & force mains	455.00
BAY AREA AIR QUALITY MANAGEMENT DIS	Pump Stations - Loch Lomond Pump Station annual permit renewal fee 9/01/19-9/01/21	200	2359	Maint- pump sta's & force mains	689.00
BWS DISTRIBUTORS	Pump Stations - absorbent pads for use at pump stations	200	2359	Maint- pump sta's & force mains	139.52
BWS DISTRIBUTORS	Safety - gloves	200	2385	Safety equipment and supplies	225.63
CALIFORNIA DIESEL & POWER INC.	Pump Stations - parts for block heater for portable generator	200	2359	Maint- pump sta's & force mains	515.89
CALIFORNIA DIESEL & POWER INC.	Pump Stations - replacement of voltage regulator on West Railroad PS portable generator	200	2359	Maint- pump sta's & force mains	1,154.56
CALIFORNIA SANITATION RISK MGMT ATH	General Insurance - property insurance renewal for 7/01/19-7/01/20	100	2059	General insurance	7,111.00
CENTRAL MARIN SANITATION AGENCY	CMSA Connection Fees - 108 Fair Drive and 1833 Fourth Street	200	2210	Connection fees payable cmsa	20,568.10
CENTRAL MARIN SANITATION AGENCY	Debt Service - semi-annual debt service payment for 9/1/19	400	4113	Sewage treatment - debt service	1,501,781.17
CENTRAL MARIN SANITATION AGENCY	FOG Program - personnel services from April-June 2019	100	4300	FOG Program	3,943.08
CENTRAL MARIN SANITATION AGENCY	Service Charges - first quarter service charges for 7/01/19-9/30/19	400	4112	Sewage treatment	1,269,084.48
CITY OF SAN RAFAEL	Telephone Service - reimbursement to City of San Rafael for inadvertent payment of SRSD invoice	100	2534	Telephone service	240.20
CRATUS INC.	Emergency Projects - Second Street Emergency Repair Project, Progress Payment #2 - retention release	300	4321	Emergency Projects	20,632.39
D'ARCY & HARTY CONSTRUCTION, INC	Sewer Pipe Repair 2018, Phase 1 - progress payment no. 2	300	4332	Sewer Pipe Repair '18, Phs1(80)	760,208.27
DURACABLE MANUFACTURING	Collection System - cleaning tools for power rodder	200	2360	O&M - collection systems	1,356.17
EVOQUA WATER TECHNOLOGIES, LLC	Odor Control - chemical for Loch Lomond Pump Station	200	2106	Odor control chemicals	5,456.66
FORSTER & KROEGER INC.	Collection System - weed abatement	200	2360	O&M - collection systems	3,560.00
HARDIMAN CONSTRUCTION	Collection System - spot repair at 520 Fifth Avenue	200	2360	O&M - collection systems	12,496.00
JACKSON'S HARDWARE	Collection System - water tubes for vactor truck	200	2360	O&M - collection systems	2.89
MAHER ACCOUNTANCY	Accounting Services - development of budget for fiscal years 2019-20 and 2020-21	100	2717	Accounting services	4,445.00
MAHER ACCOUNTANCY	Accounting Services - July	100	2717	Accounting services	3,600.00
MARIBETH BUSHEY	Director's Fees - Maribeth Bushey on 7/10/19	100	2282	Director's fees	100.00
MARIN COUNTY TAX COLLECTOR	County Counsel - 4th quarter April/May/June FY 2018/19	100	2713	Legal services	2,610.50
MARIN MUNICIPAL WATER DIS	Water - 44 Lagoon Road from 4/17/19-6/14/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - 220 Tamal Vista - water for vactor truck 5/01/19-6/28/19	200	2536	Water utility costs	1,210.47
MARIN MUNICIPAL WATER DIS	Water - 1271 Anderson Drive from 4/11/19-6/10/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - 3106 Kerner Blvd. from 4/16/19-6/13/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - Andersen Drive from 4/11/19-6/10/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - Castro Ave. from 4/13/19-6/12/19	200	2536	Water utility costs	221.08
MARIN MUNICIPAL WATER DIS	Water - Catalina Blvd. from 4/13/19-6/12/19	200	2536	Water utility costs	85.76
MARIN MUNICIPAL WATER DIS	Water - East Francisco Blvd. from 4/13/19-6/12/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - East Francisco Blvd. from 4/16/19-6/13/19	200	2536	Water utility costs	210.86
MARIN MUNICIPAL WATER DIS	Water - Montecito Road from 4/16/19-6/13/19	200	2536	Water utility costs	58.31
MARIN MUNICIPAL WATER DIS	Water - N. San Pedro Road from 4/17/19-6/14/19	200	2536	Water utility costs	46.57

MARIN MUNICIPAL WATER DIS	Water - Peacock Drive from 4/17/19-6/14/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - Point San Pedro Road from 4/16/19-6/13/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - Riviera Drive from 4/17/19-6/14/19	200	2536	Water utility costs	50.55
MARIN MUNICIPAL WATER DIS	Water - Simms Street from 4/11/19-6/10/19	200	2536	Water utility costs	46.57
MARIN MUNICIPAL WATER DIS	Water - Woodland Ave. from 4/11/19-6/10/19	200	2536	Water utility costs	50.55
MARIN RESOURCE RECOVERY INC	Pump Stations - Simms Street and West Railroad PS bushes and weeds taken to the dump	200	2359	Maint- pump sta's & force mains	40.00
MARIN ROTO-ROOTER SEWER SERVICE, INC	Standby - service at 31 St. Francis Lane	200	2363	Standby services	650.00
MARIN ROTO-ROOTER SEWER SERVICE, INC	Standby - service at 114 Laurel Place	200	2363	Standby services	325.00
NUTE ENGINEERING	Caltrans San Rafael Harbor Bridge - services from 6/01/19-6/30/19	300	4331	Caltrans SR Harbor Bridge (80)	674.75
NUTE ENGINEERING	Consulting Services - revise standard specs from 6/01/19-6/30/19	100	2325	Consulting services	421.25
NUTE ENGINEERING	South Francisco Pump Station Improvements Project - services from 6/01/19-6/30/19	300	4148	S. Francisco Pump Station (10)	27,451.00
OWEN EQUIPMENT SALES	Collection System - repair kit for vactor truck swivel	200	2360	O&M - collection systems	470.85
PERIN - BATTERIES PLUS	Collection System - flashlight battery	200	2360	O&M - collection systems	31.56
PG&E	Emergency Projects - SPSD share of paving costs for Second Street emergency repair	300	4321	Emergency Projects	9,629.33
PG&E a/c 2480926202-5	Power - electric service for pump stations May-June 2019	200	2535	Electric utility costs	18,655.89
PG&E CFM/PPC DEPARTMENT	Sewer Pipe Repair 2018, Phase 1 - support for utility pole at 50 West Crescent Drive	300	4332	Sewer Pipe Repair '18, Phs1(80)	6,769.90
PHILLIPS, GARY	Director's Fees - Gary O. Phillips on 7/10/19	100	2282	Director's fees	100.00
SHAMROCK	Pump Stations - base rock for Loch Lomond Pump Station	200	2359	Maint- pump sta's & force mains	26.82
STAPLES INC	Office supplies - miscellaneous office supplies	100	2133	Office & shop supplies	114.82
SUBSITE ELECTRONICS CA	Collection System - spacers for wheels on CCTV camera skid	200	2360	O&M - collection systems	77.32
US BANK CORPORATE PAYMENT	Miscellaneous Expenses - lunch for new Sewer Maintenance Worker interview panel	100	2389	Miscellaneous expenses	56.57
US BANK CORPORATE PAYMENT	Safety - jacket and parka	200	2365	Safety equipment and supplies	140.69
US BANK CORPORATE PAYMENT	Subscriptions - Marin Independent Journal for 8 weeks	100	2131	Memberships and subscriptions	112.00
VERIZON WIRELESS	Telephone Service - wireless service for laptops 5/21/19-6/20/19	100	2534	Telephone service	266.07
WATER COMPONENTS & BLDG SUPPLY	Collection System - manhole ring and lid for manhole no. MH491	200	2360	O&M - collection systems	472.41
WATER COMPONENTS & BLDG SUPPLY	Collection System - mortar and coupling for manhole repair (MH691) and pipe repair at 253 Union Street	200	2360	O&M - collection systems	111.21
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - staples for weed fabric at Peacock Pump Station	200	2359	Maint- pump sta's & force mains	10.90
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - weed fabric for Peacock Pump Station	200	2359	Maint- pump sta's & force mains	143.06
WECO INDUSTRIES LLC	Collection System - power rodder parts	200	2360	O&M - collection systems	550.40
WOODLAND CTR AUTO SUPPLY	Vehicles - battery for vehicle # 8203	200	2083	Parts and repairs vehicles	208.09
WORKSMART AUTOMATION, INC	South Francisco Pump Station Improvements Project - modification of control descriptions	300	4148	S. Francisco Pump Station (10)	1,760.00
					\$ - 3,692,890.36

3.

SAN RAFAEL SANITATION DISTRICT

PAYMENT SUMMARY

August 1, 2019 - August 31, 2019

Vendor/Payee

	Memo	Class	Acct #	Account Name	Amount
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 7/31/19	200	2021	Uniforms	100.51
ARAMARK UNIFORM SERVICES	Uniforms - weekly service ending 8/07/19	200	2021	Uniforms	100.51
AT&T *8362	Telephone Service - land lines for pump stations and dialers from 7/02/19-8/01/19	100	2534	Telephone service	311.94
CENTRAL MARIN SANITATION AGENCY	Pump Stations - annual cathodic protection survey for Simms Street Force Main	200	2359	Maint- pump sta's & force mains	2,202.50
CITY OF SAN RAFAEL	Vehicles - fuel from 4/01/19-6/30/19	200	2083	Parts and repairs vehicles	5,528.79
CRATUS INC.	Emergency Projects - Second St. Emergency Repair Project, sewer work done at the request of PG&E to aid with their gas main repair	300	4321	Emergency Projects	60,500.00
EVOQUA WATER TECHNOLOGIES, LLC	Odor Control - chemical for Cayes Main, Glenwood, Loch Lomond, and Riviera Pump Stations delivered 7/22/19	200	2106	Odor control chemicals	4,682.29
FASTENAL	Collection System - paint for USA markings	200	2360	O&M - collection systems	85.30
FASTENAL	Collection System - paint for USA markings	200	2360	O&M - collection systems	70.65
FASTENAL	Pump Stations - glue and broom	200	2359	Maint- pump sta's & force mains	23.00
MARIN ROTO-ROOTER SEWER SERVICE, INC	Standby - service at 1 Welch Street	200	2363	Standby services	650.00
MILLER PACIFIC ENGINEERING GROUP	Sewer Pipe Repair 2018, Phase 1 - geotechnical services 6/10/19-6/23/19	300	4332	Sewer Pipe Repair '18, Phs1(80)	910.60
NETWORK ADJUSTERS, INC	Claims & Deductibles - payment of claim for 205 Alpine Street	100	2051	Claims and deductibles	3,024.00
OWEN EQUIPMENT SALES	Collection System - parts for vactor truck, vehicle #8192	200	2360	O&M - collection systems	143.68
PG&E a/c 2480926202-5	Power - electric service for pump stations June-July 2019	200	2535	Electric utility costs	12,577.89
STAPLES INC	Office Supplies - tape for label maker	100	2133	Office & shop supplies	54.48
STAPLES INC	Office Supplies - USB drives	100	2133	Office & shop supplies	43.56
STAPLES INC	Office Supplies - yellow copy paper and battery backup	100	2133	Office & shop supplies	69.74
US BANK CORPORATE PAYMENT	Office Supplies - USB drives	100	2133	Office & shop supplies	40.84
US BANK CORPORATE PAYMENT	Pump Stations - bark and liners for weed prevention at West Railroad, Glenwood, and Peacock Pump Stations	200	2359	Maint- pump sta's & force mains	637.92
US BANK CORPORATE PAYMENT	Pump Stations - covers for cables on portable generators	200	2359	Maint- pump sta's & force mains	18.94
US BANK CORPORATE PAYMENT	Pump Stations - dolly for moving pumps at pump stations	200	2359	Maint- pump sta's & force mains	17.43
VERIZON WIRELESS	Telephone Service - wireless service for laptops 6/21/19-7/20/19	100	2534	Telephone service	266.31
WATER COMPONENTS & BLDG SUPPLY	Collection System - bypass piping for sewer work at 131 Highland Avenue and 31 St. Francis Lane	200	2360	O&M - collection systems	183.37
				\$	92,244.25

5.c.

SAN RAFAEL SANITATION DISTRICT
Agenda Item No. 5.c.

DATE: September 27, 2019

TO: San Rafael Sanitation District Board of Directors

PREPARED BY: Karen Chew, Senior Civil Engineer

APPROVED BY: Doris Toy, District Manager/District Engineer *DT*

SUBJECT: Report on Bid Opening for the South Francisco Pump Station Improvement Project and Adopt Resolution to Award Contract

RECOMMENDATION:

Staff recommends that the Board adopt the resolution awarding contract to JMB Construction, Inc., for the South Francisco Pump Station Improvement Project in the amount of \$2,175,702.

BACKGROUND:

The South Francisco Pump Station is likely more than 50 years old, based on the type of construction. The pump station is located at 1601 East Francisco Blvd., just west of Shoreline Parkway. The Station is a wet pit/dry pit type and contains two 20 hp centrifugal Fairbanks Morse sewage pumps. The pump station collects gravity and pumped sewage from the San Rafael Sanitation District collection system in the Shoreline Parkway area, which is predominantly commercial and includes roughly the area east of the intersection of East Francisco Blvd. and Irene Street, and north of the 580 Freeway; it encompasses the Home Depot shopping area.

The bids for the South Francisco Pump Station Improvement Project were opened on September 19, 2019, and the District received six bids.

The following are the Engineer's Estimate and the bids received:

<u>Engineer's Estimate</u>	<u>\$ 2,169,171.00</u>
JMB Construction, Inc.	\$ 2,175,702.00
Pacific Infrastructure Corp.	\$ 2,234,875.00
Valentine Corporation.	\$ 2,239,369.00
Maggiòra & Ghilotti, Inc.	\$ 2,373,999.00
Clyde G. Steagall, Inc.	\$ 2,484,210.00
Ranger Pipelines, Inc.	\$ 3,231,260.00

See attached bid summary for the breakdown of items.

ANALYSIS:

The Engineer's Estimate was \$2,169,171. JMB Construction, Inc, with a bid of \$2,175,702, was the lowest bidder for this project. JMB Construction, Inc., has worked on several of the District's pump station projects, i.e. Loch Lomond Pump Station (2008), Cayes Main Pump Station (2014), and Glenwood Pump Station (2015). They were all successful projects.

District staff and Nute Engineering have reviewed the bids and recommend that this project be awarded to JMB Construction, Inc.

FISCAL IMPACT:

District staff will perform the construction management and inspection on this project. The project will be funded under the Pump Station and Force Main Capital Improvements Program from the 2019-20 and 2020-21 Budget.

Proposed Construction Costs:

Construction (Includes 10% Contingency)	\$ 2,393,272.20
Nute Engineering Services	\$ 95,000.00
Miller Pacific Engineering Group	\$ 10,000.00
Miscellaneous and Incidental Costs	\$ 20,000.00
Total Construction Cost	\$ 2,518,272.20

Proposed Funding Source:

Pump Station & Force Main Capital Improvement Program	
FY 2019-20	\$ 1,650,000.00
FY 2020-21	\$ 870,000.00
Total Funding	\$ 2,520,000.00

OPTIONS:

1. Staff recommends that the Board award the contract to JMB Construction, Inc.
2. The Board may reject the bid from JMB Construction and award the contract to the second lowest responsible bidder, Pacific Infrastructure Corporation. Staff does not recommend this option since this would delay construction.

ACTION REQUIRED:

Adopt the resolution awarding contract to JMB Construction, Inc., for the South Francisco Pump Station Improvement Project.

Attachments:

1. Resolution
2. Nute Engineering Bid Review Letter, dated September 23, 2019
3. Bid Summary
4. Contractor's License Details

SAN RAFAEL SANITATION DISTRICT

RESOLUTION NO. 19-1194

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SAN RAFAEL SANITATION DISTRICT
AWARDING CONTRACT TO JMB CONSTRUCTION, INC.
FOR THE SOUTH FRANCISCO PUMP STATION IMPROVEMENT PROJECT**

WHEREAS, sealed bids or proposals were received by the San Rafael Sanitation District for the South Francisco Pump Station Improvement Project, and all such bids were publicly opened, examined, and declared; and

WHEREAS, the bid or proposal of JMB Construction, Inc., at the quotation stated in their bid, was and is the lowest responsible bid or proposal; and

WHEREAS, the District's consulting engineer, Nute Engineering, after review and evaluation, has recommended award of the contract to JMB Construction, Inc.

NOW, THEREFORE, IT IS HEREBY RESOLVED that the Chairman and Secretary are authorized to execute a contract on behalf of the San Rafael Sanitation District with JMB Construction, Inc., for construction of the South Francisco Pump Station Improvement Project in accordance with the terms, specifications, and general provisions of said bid or proposal.

BE IT FURTHER RESOLVED that all other bids or proposals are hereby rejected, and the District Manager/District Engineer is directed to return all accompanying certified checks, cash, and bonds of said unsuccessful bidders.

PASSED AND ADOPTED at a regular meeting of the San Rafael Sanitation District Board of Directors held on the 27th day of September, 2019, by the following vote, to wit:

AYES:

NOES:

ABSENT:

Gary O. Phillips, Chairman

ATTEST:

Katie Rice, Acting Secretary



September 23, 2019

Ms. Doris Toy, District Manager/District Engineer
San Rafael Sanitation District
111 Morpew Street
San Rafael, CA 94901

Re: South Francisco Pump Station Improvements
Award Recommendation

Dear Doris:

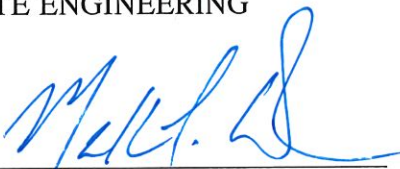
On September 19, 2019 six bids were received for the above-referenced project. A spreadsheet comparing these bids is enclosed.

The lowest apparent bid of \$2,175,702 was submitted by JMB Construction of South San Francisco. Enclosed are the license details obtained from the Contractor's License Board which shows that JMB Construction has a valid Contractor's License and are registered with the California Department of Industrial Relations (DIR). The subcontractors also have a valid Contractor's License and are registered with the DIR.

We reviewed their submitted bid package and recommend the bid be awarded to JMB Construction.

Very truly yours,

NUTE ENGINEERING

By 
Mark T. Wilson, P.E.

Enclosure(s)

SAN RAFAEL SANITATION DISTRICT
MARIN COUNTY, CALIFORNIA
SOUTH FRANCISCO PUMP STATION IMPROVEMENTS
BID RESULTS SUMMARY

Bid Opening: 2:00 pm
September 19, 2019
Design Job Nos: 8790
Engineer's Est: \$2,169,171

				JMB Construction South San Francisco	Pacific Infrastructure Pleasanton	Valentine Corporation San Rafael	Maggiora & Ghilotti San Rafael	Clyde G. Steagall Loomis	Ranger Pipelines San Francisco						
				1	2	3	4	5	6						
Item No.	Quant	U/M	Description	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount		
1.	1	LS	MOBILIZATION, DEMOBILIZATION, SWPPP, PERMITS & LICENSES	\$90,000	\$90,000	\$100,000	\$100,000	\$95,673	\$95,673	\$50,000	\$50,000	\$80,000	\$80,000	\$125,000	\$125,000
2.	20	LF	A-LINE – 18” C-900 SEWER MAIN PIPE – OPEN CUT	\$500	\$10,000	\$6,500	\$130,000	\$2,000	\$40,000	\$1,000	\$20,000	\$1,047	\$20,940	\$800	\$16,000
3.	1	EA	CONNECT TO EXISTING 4’ DIAMETER MANHOLE, REBUILD CHANNELS	\$1,700	\$1,700	\$20,000	\$20,000	\$3,500	\$3,500	\$6,000	\$6,000	\$6,500	\$6,500	\$3,000	\$3,000
4.	60	LF	CURB AND GUTTER REPLACEMENT	\$100	\$6,000	\$75	\$4,500	\$140	\$8,400	\$150	\$9,000	\$75	\$4,500	\$75	\$4,500
5.	248	SF	CONCRETE SIDEWALK AND DRIVEWAY APPROACH	\$24	\$5,952	\$75	\$18,600	\$27	\$6,696	\$50	\$12,400	\$15	\$3,720	\$20	\$4,960
6.	20	CY	HARD ROCK EXCAVATION	\$100	\$2,000	\$10	\$200	\$50	\$1,000	\$10	\$200	\$300	\$6,000	\$200	\$4,000
7.	1	LS	STACKED SEGMENTAL BLOCK WALL	\$15,000	\$15,000	\$20,000	\$20,000	\$16,000	\$16,000	\$15,000	\$15,000	\$21,516	\$21,516	\$30,000	\$30,000
8.	1	LS	125 KW ENGINE GENERATOR WITH BASE TANK AND SOUND ENCLOSURE	\$81,000	\$81,000	\$90,000	\$90,000	\$80,000	\$80,000	\$65,177	\$65,177	\$56,096	\$56,096	\$80,000	\$80,000
9.	1	LS	SOUTH FRANCISCO PUMP STATION IMPROVEMENTS (Total 9a through 9n)	\$1,840,000	\$1,840,000	\$1,620,000	\$1,620,000	\$1,860,000	\$1,860,000	\$2,089,222	\$2,089,222	\$2,178,613	\$2,178,613	\$2,790,000	\$2,790,000
	9a.	1 LS	PUMP STATION APPROVED TEMPORARY SEWAGE BYPASS SYSTEM	\$200,000		\$180,000		\$200,000		--		\$165,000		\$50,000	
	9b.	1 LS	PUMP STATION DEMOLITION WORK	\$85,000		\$80,000		\$148,000		--		\$102,325		\$150,000	
	9c.	1 LS	PUMP STATION EXCAVATION WORK	\$40,000		\$90,000		\$32,000		--		\$36,250		\$150,000	
	9d.	1 LS	PUMP STATION CONCRETE WORK	\$326,000		\$310,000		\$145,000		--		\$215,428		\$250,000	
	9e.	1 LS	PUMP STATION MECHANICAL WORK	\$500,000		\$350,000		\$550,000		--		\$168,100		\$1,500,000	
	9f.	1 LS	PUMP STATION SITE WORK INCLUDING FENCE & GATE	\$62,000		\$80,000		\$57,000		--		\$915,203		\$150,000	
	9g.	1 LS	PUMP STATION GENERATOR PAD INSTALLATION	\$25,000		\$30,000		\$25,000		--		\$7,215		\$10,000	
	9h.	1 LS	PUMP STATION PUMP CONTROL PANEL (PCP)	\$225,000		\$185,000		\$280,000		--		\$323,750		\$200,000	
	9i.	1 LS	PUMP STATION PORTABLE ENGINE GENERATOR INTERFACE PANEL	\$28,000		\$25,000		\$40,000		--		\$30,000		\$20,000	
	9j.	1 LS	PUMP STATION 200a UTILITY SERIES METERMAIN PEDESTAL	\$24,000		\$20,000		\$34,000		--		\$16,250		\$20,000	
	9k.	1 LS	PUMP STATION ELECTRICAL CONDUIT, CONDUCTORS, AND CONDUITS	\$270,000		\$225,000		\$230,000		--		\$177,865		\$225,000	
	9l.	1 LS	RADIO ANTENNAE AND LIGHTING	\$7,000		\$10,000		\$10,000		--		\$12,100		\$10,000	
	9m.	1 LS	ALL ELECTRICAL AND SIGNAL CONNECTIONS	\$38,000		\$25,000		\$100,000		--		\$3,500		\$35,000	
	9n.	1 LS	CATHODIC PROTECTION, TESTING, AND WRITTEN REPORT	\$10,000		\$10,000		\$9,000		--		\$5,627		\$20,000	
10.	20	TONS	ASPHALT OVERLAY AT PUMP STATION SITE	\$600	\$12,000	\$410	\$8,200	\$650	\$13,000	\$1,400	\$28,000	\$375	\$7,500	\$500	\$10,000
11.	45	TONS	AC GRIND & OVERLAY 100 LF W BND & E BND LANES EAST FRANCISCO BLVD	\$750	\$33,750	\$475	\$21,375	\$800	\$36,000	\$560	\$25,200	\$525	\$23,625	\$660	\$29,700
12.	200	SF*	AUXILIARY PIT HIGH STRENGTH CONCRETE WALL REPAIR	\$42	\$8,400	\$50	\$10,000	\$50	\$10,000	\$60	\$12,000	\$45	\$9,000	\$300	\$60,000
13.	50	GAL	EPOXY FILLER	\$230	\$11,500	\$220	\$11,000	\$250	\$12,500	\$200	\$10,000	\$347	\$17,350	\$300	\$15,000
14.	1	LS	SHORING FOR ALL EXCAVATIONS	\$10,000	\$10,000	\$95,000	\$95,000	\$22,000	\$22,000	\$10,000	\$10,000	\$2,500	\$2,500	\$50,000	\$50,000
15.	2	EA	POTHOLE UTILITY MAINS	\$1,800	\$3,600	\$16,000	\$32,000	\$5,000	\$10,000	\$6,000	\$12,000	\$9,850	\$9,850	\$800	\$1,600
16.	1	LS	TRAFFIC CONTROL AND NOTIFICATIONS	\$40,000	\$40,000	\$50,000	\$50,000	\$20,000	\$20,000	\$5,000	\$5,000	\$4,500	\$4,500	\$5,000	\$5,000
17.	20	LF	INTERNAL TELEVISIONING OF SEWER MAINS	\$140	\$2,800	\$100	\$2,000	\$130	\$2,600	\$140	\$2,800	\$1,500	\$30,000	\$25	\$500
18.	1	LS	AS-BUILT DRAWINGS	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
SUBTOTAL					\$2,175,702		\$2,234,875		\$2,239,369		\$2,373,999		\$2,484,210		\$3,231,260
Contingencies and Incidentals (15%)					\$0		\$0		\$0		\$0		\$0		\$0
GRAND TOTAL					\$2,175,702		\$2,234,875		\$2,239,369		\$2,373,999		\$2,484,210		\$3,231,260
Check Percentage Bid Item 1 to Total Project (5% max)				4.1%		4.5%		4.3%		2.1%		3.2%		3.9%	
Addendum Acknowledged				1		1		1		1		1		1	
Bid Bond				y		y		y		y		y		y	
Contract Signed				y		y		y		y		y		y	
License Number				y		y		y		y		y		y	
Non-Collusion Affidavit				y		y		y		y		y		y	
Contractors License Number				715324		799927		229225		226767		389542		417996	
SUBCONTRACTORS:															
Subcontractors				Liffey Electric		Liffey Electric		Liffey Electric		Liffey Electric		JEFFCO Painting		Liffey Electric	
				Redwood Painting		Redwood Painting		Redwood Painting		JEFFCO Painting				Redwood Painting	
				Ahlborn Fence & Steel		Ahlborn Fence & Steel		Ransome Company		Ahlborn Fence & Steel				Ahlborn Fence & Steel	
Site Visit Affidavit				y		y		y		y		y		y	
Drug-Free Certification				y		y		y		y		y		y	
Bidder's Statement Financial Responsibility & Experience				y		y		y		y		y		y	
Three Year EMR ≤ 1.0				0.79		1.46		1.2		1.67		1.21		0.79	
RIR ≤ 5.5				1.79		6.24		2.78		3.4		0.33		2.03	
LTR ≤ 2.0				0.43		6.24		2.78		1.41		0		1.02	
Financial Statement Submitted				y		y		y		n		y		y	
Safety Compliance Affidavit				y		y		y		y		y		y	
9a-9n no Unit PriceMath error-only multiplied by 1															

*The District reserves the right to increase or decrease this quantity by 50%.



CONTRACTORS STATE LICENSE BOARD



Contractor's License Detail for License # 715324

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.

Per B&P 7071.17, only construction related civil judgments reported to the CSLB are disclosed.

Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.

Due to workload, there may be relevant information that has not yet been entered onto the Board's license database.

Data current as of 9/19/2019 12:55:09 PM

Business Information

JMB CONSTRUCTION INC
132 SOUTH MAPLE AVE
SOUTH SAN FRANCISCO, CA 94080
Business Phone Number: (650) 267-5275

Entity Corporation
Issue Date 11/16/1995
Expire Date 11/30/2019

License Status

This license is current and active.

All information below should be reviewed.

Classifications

A - GENERAL ENGINEERING CONTRACTOR

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with WESTCHESTER FIRE INSURANCE COMPANY.

Bond Number: K08748901

Bond Amount: \$15,000

Effective Date: 01/01/2016

Contractor's Bond History

Bond of Qualifying Individual

The qualifying individual MARGARET PATRICIA BURKE certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.

Effective Date: 11/16/1995

Workers' Compensation

This license has workers compensation insurance with the NATIONAL UNION FIRE INSURANCE COMPANY OF PITTSBURGH, PA

Policy Number: WC025893658

Effective Date: 10/01/2016

Expire Date: 04/01/2020

Workers' Compensation History

Other

Personnel listed on this license (current or disassociated) are listed on other licenses.

Contractor Information

Legal Entity Name
 JMB CONSTRUCTION, INC.
Legal Entity Type
 Corporation
Status
 Active
Registration Number
 1000002551
Registration effective date
 7/1/2019
Registration expiration date
 6/30/2022
Mailing Address
 132 SOUTH MAPLE AVENUE SOUTH SAN FRANCISCO 9408...
Physical Address
 132 SOUTH MAPLE AVENUE SOUTH SAN FRANCISCO 9408...
Email Address
Trade Name/DBA
License Number(s)
 CSLB:715324

Registration History

Effective Date	Expiration Date
6/12/2018	6/30/2019
6/8/2017	6/30/2018
6/7/2016	6/30/2017
6/3/2015	6/30/2016
11/7/2014	6/30/2015
7/1/2019	6/30/2022

Legal Entity Information

Corporation Number: C1945892
Federal Employment Identification Number:
President Name: MARGARET BURKE
Vice President Name: JOHN BURKE
Treasurer Name:
Secretary Name: MARGARET BURKE
CEO Name:

Agent of Service Name: MAAGARET BURKE
Agent of Service Mailing Address: 132 SOUTH MAPLE AVENUE SOUTH SAN FRANCISCO 94080 CA United States of America

Workers Compensation

Do you lease employees through Professional Employer Organization (PEO)? No

Please provide your current workers compensation insurance information below:

PEO Information	PEO Name	PEO Phone	PEO Email

Insured by Carrier


Policy Holder Name: JMB CONSTRUCTION, INC.
Insurance Carrier: NATIONAL UNION FIRE INSURANCE COMPANY OF PITTSBURGH, PA
Policy Number: WC025893658
Inception date: 9/30/2015
Expiration Date: 3/31/2020

SAN RAFAEL SANITATION DISTRICT
Agenda Item No. 5.d.

5.d.

DATE: September 27, 2019

TO: Board of Directors, San Rafael Sanitation District

FROM: Doris Toy, District Manager/ Engineer 

SUBJECT: Adopt Resolution Authorizing the District Manager/District Engineer to Request Bids and Execute an Informal Emergency Project in accordance with Section 20783 of the Public Contract Code for the Beach Drive Force Main Emergency Repair

RECOMMENDATION:

Adopt resolution authorizing the District Manager/District Engineer to request bids and execute an Informal Emergency Project in accordance with Section 20783 of the Public Contract Code for the Beach Drive Force Main Emergency Repair.

BACKGROUND:

The District has a pump station at 11 Beach Drive, where the road is between a marsh and the Bay. The marsh drains in and out of the Bay with the tide. The pump station serves approximately 55 homes and pumps their wastewater through a 4-inch cast iron force main, 220 feet to Point San Pedro Road.

In February 2019, the force main broke near the pump station and resulted in a 900-gallon spill. Valentine Corporation, who was working on the San Pedro Pump Station Improvement Project at the time, assisted the District in repairing and replacing approximately 20 feet of pipe from the pump station.

On September 5, 2019, the force main broke several feet away from the February repair and resulted in a 1,000-gallon spill. Maggiora and Ghilotti assisted the District with the repair.

Both the force main and pump station are scheduled to be rehabilitated next fiscal year.

ANALYSIS:

Although the force main and pump station are scheduled to be rehabilitated next fiscal year, the remaining section of the force main should be replaced as soon as possible in order to minimize the chance of another pipe failure, which would result in a sewer overflow into the marsh and Bay and possibly a collapsed pipe and/or the creation of a void. Staff did attempt to video the pipe interior, but there was a lot of calcification on the pipe wall; thus, it was difficult to assess. Also, the wet-weather season is approaching, and it would be more difficult to perform construction with higher flows and a higher risk of pipe deterioration, which would also impact public and contractor safety.

The District does not have time to go through the formal bid process, which could take a couple of months. The quickest method to accomplish this work would be by informal bid. However, the allowable maximum bid amount for an informal bid is \$35,000, and this work would far exceed that amount. However, if the Board determines that this is an emergency repair, then the Board could authorize staff to bid this project as an informal bid.

It is staff's opinion that the work falls under the definition of an emergency per Section 20783 of the Public Contract Code, where it states that the public interest and necessity demand immediate expenditure of public money to safeguard life, health, or property. The findings for this determination are:

1. The force main had two breaks within the last seven months; thus, there is a strong chance that it will have another break.
2. If the pipe were to break, health issues could occur as a result of sewage overflows into the marsh and Bay.
3. If the pipe were to collapse, a sinkhole could occur in the street, which would create an unsafe environment for the public driving through that area.

For these reasons, staff is recommending that the Board authorize the District Manager to request bids and execute an informal emergency project for the Beach Drive Force Main Emergency Repair.

FISCAL IMPACT:

This work would be funded from the Pump Station and Force Main Capital Improvements Program for FY 2019-20.

OPTIONS:

- 1) Staff recommends that the Board authorize the District Manager/District Engineer to request bids and execute an Informal Emergency Project in accordance with Section 20783 of the Public Contract Code for the Beach Drive Force Main Emergency Repair.
- 2) The Board may direct staff to bid the project as a formal bid. Staff does not recommend this option since construction would occur in the winter months, which would increase the risk of a pipe break.
- 3) The Board may direct staff to bid the project as scheduled for next fiscal year. Staff does not recommend this option, since the District will be taking a risk that the force main will not break within the next couple of years.

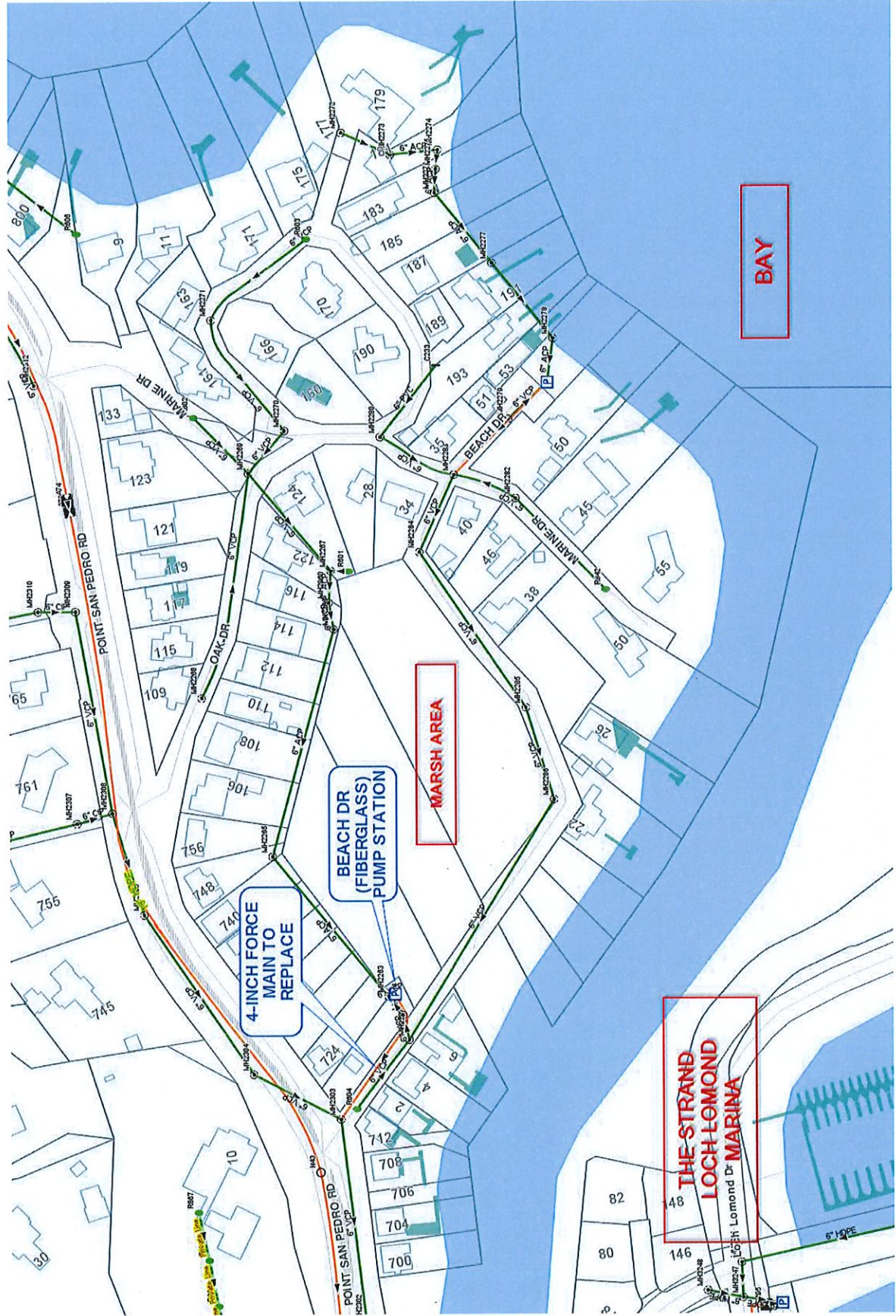
ACTION REQUIRED:

Staff recommends that the Board adopt the resolution.

Attachments:

1. Site Map
2. Resolution

BEACH DRIVE FORCE MAIN EMERGENCY REPAIR – SITE MAP



SAN RAFAEL SANITATION DISTRICT

RESOLUTION NO. 19-1195

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SAN RAFAEL SANITATION DISTRICT
AUTHORIZING THE DISTRICT MANAGER/DISTRICT ENGINEER
TO REQUEST BIDS AND EXECUTE AN INFORMAL EMERGENCY PROJECT
IN ACCORDANCE WITH SECTION 20783 OF THE PUBLIC CONTRACT CODE
FOR THE BEACH DRIVE EMERGENCY FORCE MAIN REPAIR PROJECT**

WHEREAS, a pump station located at 11 Beach Drive is adjacent to a marsh and the Bay; and

WHEREAS, the pump station collects wastewater from 55 homes and transports the wastewater through a 4-inch cast iron force main, 220 feet to Point San Pedro Road; and

WHEREAS, two force main breaks have occurred within seven months; and

WHEREAS, there would be serious consequences to health and safety if the pipeline were to break or collapse, which would cause a sewer overflow and may also cause the street to collapse; and

WHEREAS, the Board makes the following findings declaring the force main replacement on Beach Drive to be an immediate threat to health and safety:

1. The force main had two breaks within the last seven months, which leads to a strong possibility that another break could occur in the near future.
2. If the pipe were to break, health issues could result, stemming from sewage overflows into the marsh and Bay.
3. If the pipe were to collapse, a sinkhole may form, creating an unsafe travel way.

NOW, THEREFORE, IT IS HEREBY RESOLVED that the District Manager/District Engineer is authorized to request bids and execute an informal emergency project in accordance with Section 20783 of the Public Contract Code for the force main repair on Beach Drive.

PASSED AND ADOPTED at a regular meeting of the Board of Directors on the 27th day of September, 2019, by the following vote:

AYES:

NOES:

ABSENT/ABSTAIN:

Gary O. Phillips, Chairman

ATTEST:

Katie Rice, Acting Secretary

6. INFORMATIONAL ITEMS

- a. PG&E Public Safety Power Shut-Off Preparation
- b. Sanitary District No. 2 After Hours Assistance
- c. Lateral Ordinance Update
- d. Third Street Sewer Rehabilitation (verbal report)
- e. Retaining Wall and Slide Repair near 88 Bret Harte Rd (verbal report)
- f. 205 Alpine St. Update (verbal report)



SAN RAFAEL SANITATION DISTRICT
Memorandum

DATE: August 30, 2019
TO: Doris Toy, District Manager/District Engineer
FROM: Kris Ozaki, Sewer Maintenance Superintendent
SUBJECT: PG&E Public Safety Power Shut-Off Preparation

Given the growing threat of extreme heat and dry weather, Pacific Gas and Electric has notified us of the potential for an extended multi-day power outage in order to prevent fires, like the 2018 Camp Fire in Butte County. If an outage should occur, PG&E will notify us through San Rafael Police Dispatch, and through email message to me and Quinn Gardner, San Rafael's Emergency Management Project Manager. PG&E expects these outages to last between 24 and 48 hours, but they urged us to prepare for longer outages, which could last from 2 to 5 days if their equipment needs to be repaired.

If we should experience a power outage that lasts for 5 days, our main concern will be powering our pump stations in order to keep the wastewater flowing to the treatment plant and preventing overflows. It would be very difficult to stockpile enough diesel to power the generators long enough to run continuously for that amount of time. Hospitals, Police, and Fire would have first priority for fuel deliveries.

Our plan is to purchase two 1,000-gallon DOT-rated diesel trailers with integrated fuel pumps. Since none of our crew has the required Haz-Mat endorsement to tow these trailers, we plan to park them at a designated location and leave them there indefinitely. Our current thought is to park one at the Corporation Yard and another at our Loch Lomond Pump Station. We would also like to install an above-ground diesel tank at our Cayes Main Pump Station.

This still leaves the question of whether we would have enough diesel to power our generators for 5 days, which I do not think we would.

The plan we have come up with is not powering our emergency back-up generators 24/7 but instead, using them only when needed. Currently, when we lose power at a pump station that has a stationary back-up generator, the generator will fire up, and the automatic transfer switch will engage. The generator will then continue to run until the pump station senses that PG&E power is back online. Our plan is to turn off the generators at the control panel and to use them only when the wet wells are full. During off-peak hours (between 10 P.M. and 6 A.M.) when most of the City is sleeping, the flows are minimal, and our generators would not need to run continuously. It is likely that most businesses would be closed during an extended power outage, so the pump stations in industrial areas would not need to have back-up power running continuously. We feel that this would save our diesel consumption considerably. We plan on running two 12-hour shifts and splitting our crews up. Each crew's job would be to maintain our pump station water levels. We have 33 pump stations, eight of which have stationary back-up generators. The remaining pump stations would receive emergency back-up power when needed from our four portable 60 kw generators.

We recently consulted with our generator preventative maintenance contractor, CD&Power, and ran our plan through them in order to make sure it would be feasible to turn off the generators and only use them when needed. They thought this would work fine and sent out a technician to instruct our crews on how to do it properly. We then created a standard operating procedure with pictures that shows exactly how to do this task at each of our pump stations.


Ross Valley Sanitary District recently called a meeting with the JPA members to discuss how to deal with a PG&E Public Safety Power Shutoff. RVSD's main concern was similar to ours in regard to the best way to deal with supplying diesel to each of their generators. Central Marin Sanitation Agency has 9,000 gallons of diesel on site; but they must maintain their own back-up generators as well as those of Sanitary District No. 2. Therefore, counting on CMSA in an emergency would be questionable. I told the JPA members about our plan, and they thought it was very good. They also then decided that they would only use their generators when necessary instead of operating them 24 hours a day. RVSD has only one 60 kw portable back-up generator. Therefore, if the need should arise, we could lend one of our generators to RVSD.

Our fleet of portable back-up generators consists of one 200 kw, one 260 kw, and four 60 kw generators. The 60 kw generators will power most of our pump stations. Our larger pump stations already have back-up power onsite. Those

generators are larger. If one should fail, then the 200 kw and/or the 260 kw generator would be wired in to provide back-up power.

6.b.

SAN RAFAEL SANITATION DISTRICT
Memorandum

DATE: September 24, 2019
TO: Doris Toy, District Manager/District Engineer
FROM: Kris Ozaki, Sewer Maintenance Superintendent 
SUBJECT: Sanitary District No. 2 (SD2) After Hours Assistance

On August 28th I attended a JPA meeting with RVSD, CMSA, and SD2. At some point during the meeting, Fernanda Stefanick with SD2 asked if I could have my Vactor available at a moment's notice the following week. She went on to explain the Air Release Valve service they were attempting to complete and reported that if something should go wrong, they might need help transporting sewage from one part of town to another. Apparently, Ross Valley was unable to totally depressurize the force main to which the ARVs were connected.

The following Friday, August 30th, I received a phone call from Mark Wilson with Nute Engineering. He asked if I was aware of SD2's task, and I explained that Fernanda had asked me to keep my phone close in case of an emergency. He then asked if it would be possible for me to have a truck and crew scheduled to assist them. He felt it was necessary to get as many trucks on site rather than wait for them to arrive if they could not keep up with the flow. At the time, they had two trucks from Roy's Sewer Service (one would be working with Maggiora & Ghilotti), one truck from Roto-Rooter, one truck from RVSD, one small truck from SD2, and our truck.

Our crews showed up at 11:00 P.M. on Tuesday, September 3rd, at the Trader Joes parking lot in Corte Madera, and they worked until 3:30 A.M. the following morning. The work we completed was done at the Marin RV Park on Redwood Highway. The job went so well that Mark asked if I could have the crews come back on Wednesday night and Thursday.

Attached is an email from Pippin Cavagnaro from Nute Engineering thanking each District involved and explaining the events that took place.

Kris Ozaki

From: Pippin Cavagnaro <pippin.c@nute-engr.com>
Sent: Friday, September 6, 2019 12:39 PM
To: Peter Brown; 'Fernanda Stefanick (fstefanick@tcmmail.org)'; R.J. Suokko; Scott Ghilotti; pbruemmer@cmsa.us; Chris Finton- CMSA PSs
Cc: Mark Wilson; Steve Moore; Kris Ozaki; Stephen Miksis; Doris Toy
Subject: RE: Night three: SD2 ARV Capping was also successful.
Attachments: Attach8768_20190906_001229.jpg; Attach8770_20190906_002643.jpg; Attach8749_20190905_215229.jpg; Attach8750_20190905_221030.jpg

Peter,

ARV capping night work three (and the last night!) went well again, and was even shorter than the previous night. The procedures and teams all worked together better each night, even with changing staff as needed.

All three leaking ARVs have now been capped and sealed.

Again, as you said yesterday, congrats to everyone! I think this was really good practice for multi-agency response and coordination to manage sewer emergencies. Big thank you to CMSA, SRSD and RVSD staff and management as well for contributing help to SD2 in this big effort to shut down the FM system multiple times.

We are working with Scott Ghilotti and CMSA to gather the required locally available pipe and fitting parts for the re-installation of two new ARV's. For some of the back-ordered parts that are really long lead times (and just cannot be rush-ordered) we are also reaching out to RVSD and SRSD to inquire about loaner/spares if CMSA does not have them in stock. These can be used in the temporarily until the new components arrive.

The critical tapping sleeves and 3" hot-tap valves are supposed to arrive with-in ten days according to the primary supplier. We are working with a secondary supplier for the 3" valves if the first parts prove to be not available. The 316 Stainless Steel material used in these parts and fitting is one of the higher quality materials, and we are finding industry wide the stock is really low right now.

The plan is to try to complete these orders today (or ASAP). We will also continue to work with the Contractor and your staff today and early next week to select the best fit manhole/vault designs for each location.

Then when parts delivery dates are confirmed the Hot-Tap company Tap-Masters will be scheduled to install the new vent holes and shutoff isolation valves. This will likely be able to be completed with just SD2 and CMSA staff during regular working hours and pipe pressures.

This was a really big SSO risk for SD2 that has been mitigated now, and once the new valves are completed the pipe will be able to be brought back to full design capacity for the winter in these locations. The District can then proceed to use a more methodical approach to investigate and exercise and plan repairs where needed for the remaining system valves.

Thanks,
Pippin

Pippin Cavagnaro, P.E.
Nute Engineering
Civil & Sanitary Consultants
907 Mission Ave | San Rafael, CA 94901





Agenda Summary Report

To: LGVSD Board of Directors
From: Mike Prinz, General Manager *MSP*
Greg Pease, Collection System and Safety Manager
Mtg. Date: September 19, 2019
Re: Public Comment Summary - Sewer Lateral Ordinance Request for Feedback
Item Type: Consent _____ Discussion X Information _____ Other _____.
Standard Contract: Yes _____ No _____ (See attached) Not Applicable X .

BACKGROUND

The District has been pursuing a private property Sewer Lateral Ordinance for a number of years and has most recently been formulating an ordinance targeting inflow and infiltration (I and I) jointly, with a focus on reducing inflow, which is potentially the most significant contributor to peak flow related problems in the collection system and at the treatment plant.

The District implements capital improvement projects to reduce I and I in District sewer mains and manholes within the public right of way and easement areas. While these capital projects are effective in reduction of I and I impacts on the District's system (and subsequent reduction of operational and customer costs, as well as reduction of risk of environmental impacts due to spills), I and I from private sewer laterals remains a notable problem. In fact, regulatory agencies are now requiring wastewater collection and treatment system operators to pursue I and I reduction from private properties through the consideration of sewer lateral ordinances.

Figure 1 below shows the generalized impact of I and I on plant flows. The red, dashed line indicates treatment plant flow during the dry weather season. Staff wishes to draw attention to the peak flow, and how that is typically largely attributable to inflow.

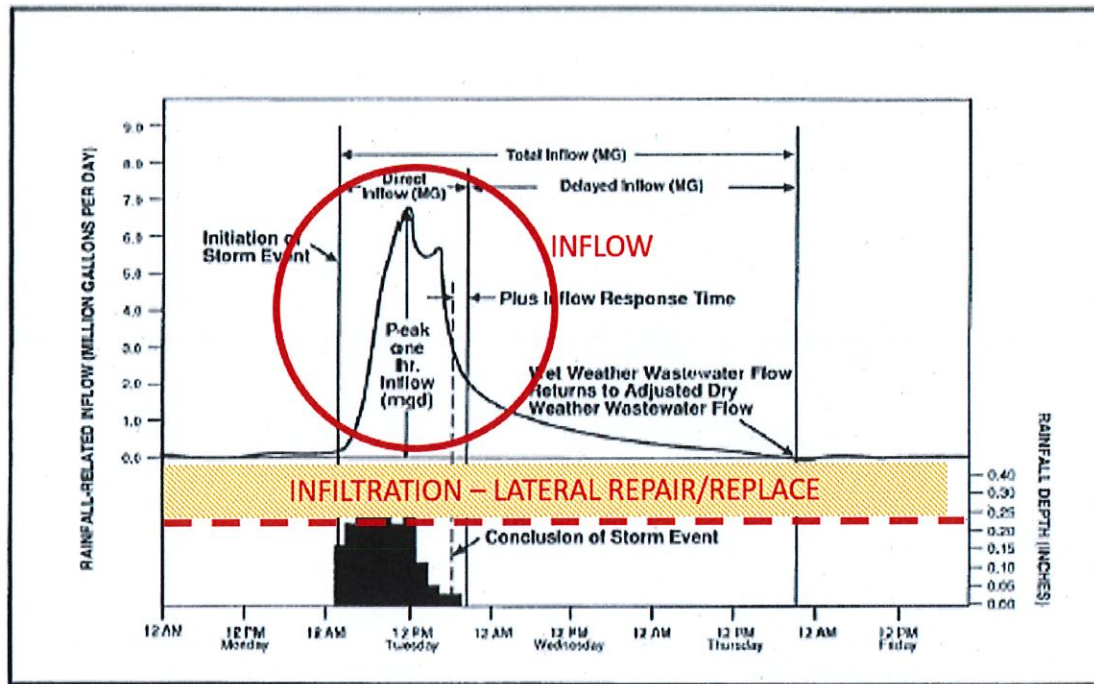


Figure 1: Hydrograph helps visualize inflow as the response to wet weather flow (from MassDEP 1993)

Public Input Received

On July 19, 2019, Staff issued the attached letter requesting feedback from District Customers regarding the current sewer lateral ordinance concepts currently under consideration. Staff also made numerous attempts to solicit feedback from the Marin Realtors Association. Several customers responded via telephone, email, and/or letter, and numerous realtors in the region provided individual comments along with a template letter voicing concerns. Table 1, below, summarizes input received.

	Concern	Total # of Comments
Realtors - 65 Responses Received	Opposed to Point Of Sale	65
	Inefficient	64
	Delay to Home Sale Process	63
	Stress to Home Buyer/Seller	63
	Cost of Inspection	63
	15k Valuation Trigger	62
	Comments in Favor of Ordinance	0
	Other Comments	See Below
	1. Doesn't agree w/ Pressure Test	
	2. Wye/Connection Responsibility. Upset with water rate increases. Pensions/Salaries	
	3. Older generation home sale is difficult enough	
	4. Upset with Pressure Test, specifically RVSD	
	5. "Equivalent to banks government taking property twice...government bailout"	
	6. "I support the inspection requirement. It's good for our environment".	
	7. "Point of sale does not fix it. Need to go by block area."	
	8. "I do not think mandating sewer lateral inspections, replacements or upgrades at the point of sale is an effective way to address our aging infrastructure."	
	9. Financial impact to senior sellers. Pressure testing concerns	
	10. Believes we should use the effective age of home should be the inspection basis.	
	11. Condo complexes with shared laterals...how would it work	
	12. Will not resolve issue in a timely manner	
	13. District to finance replacement on tax bill. Oldest homes addressed first	
	14. Costly repairs disrupt the home sale process	
	15. Pressure test is a no win situation. Would like us to consider a step approach instead of a heavy axe	
	16. Encourage Homeowners to video laterals by offering financial assistance or recommend a quality plumber that will have a reduced rate	
	17. "Have we replaced All of our large water main repairs?"	

Property Owner Comments - 22 Responses Received	Point Of Sale	2
	Inefficient	1
	Delay to Home Sale Process	0
	Stress to Home Buyer/Seller	0
	Cost of Inspection	3
	15k Valuation Trigger	10
	Comments in Favor of Ordinance	11
	Other Comments	See Below

1. Unintended consequences of a 15K trigger - preventing people from obtaining permits
2. Opposes Ordinance if it increases rates and/or homeowner required to pay for inspection
3. Non Compliance Fees, better loan interest than 2%, offer grants, cost of lateral replacement is not controlled
4. Public outreach about PACP, increase valuation to 35K, extend grace period. "I thought this was the best customer communication ever."
5. "Should be limited to very old property (pre 1930)."
6. Increase to 50k or more
7. Is in favor of Point of sale
8. Highly opposes "new proposed ordinance to check every property in case a home is out of compliance."
9. Highly supports but wants to remove the human element as much as possible and use pressure test
10. Suggests increasing remodeling trigger so that the average cost of lateral replacement is no more than 10% of the remodel valuation
11. Would like LGVSD to perform the inspections and charge a minimal fee
12. "...I think LGVSD should help pay for such action."
13. Concentrate on older homes and homes with a lot of trees
14. "I am in favor of the development of a sewer lateral ordinance. All the reasons you've listed in the letter to homeowners are valid."
15. "...Lateral ordinance is a very good idea and we support it."
16. How much will an inspection cost? Where do I find an inspector?
17. \$75k trigger for remodels
18. Lifespan of an inspection? Cost of an inspection? Older homes vs everyone approach
19. Discourage homeowners to get permits
20. How long will our approach take to correct the problem? Turnaround times for district to review?
21. Base trigger on type of permit not dollar value?
22. "I totally support the above proposal."

Table 1. Summary of public input received.

Scope of Inspection

As previously envisioned, the scope of a lateral inspection, which will be a central part of the ordinance, is intended to include:

1. a closed circuit television (CCTV) recording of the lateral interior to evaluate its condition, and
2. an evaluation of the lateral and residential property served by the lateral to determine the potential for illegal connections and sources of inflow.



It should be noted that the currently proposed inspection format does not rely on pressure testing sewer laterals, contrary to the perception of some of those who have provided feedback thus far.

Triggers of Inspections

The majority of the comments received pertain to the triggers of inspection, namely property sale and building permit valuation.

Sale of property is a common trigger for lateral inspections in similar ordinances adopted by sanitary districts and municipalities throughout the region. Staff acknowledges that a sewer lateral inspection during escrow does present an additional, time sensitive, logistical hurdle during a schedule driven escrow. Nonetheless, staff is compelled to emphasize to concerned customers – as well as buyers and sellers of properties - that a sewer lateral is a critical component of any sewered property. As such, a sewer lateral deserves no less emphasis during a property condition evaluation than any other element of a house, be it a roof, furnace, foundation or electrical panel. Replacement of a sewer lateral could be necessitated (in some cases, unexpectedly and urgently) due to deterioration, tree root damage, substandard pipe materials and/or substandard construction techniques, and can cost up to \$10,000 or more. The unanticipated need to replace a sewer lateral would likely be a problematic discovery for any property owner, but particularly so for a new property owner if a looming repair or replacement was not discovered prior to close of escrow. Proactively understanding and addressing sewer lateral problems can avoid acute loss of lateral function due to otherwise undetected problems.

Upgrades to homes that require building permits are also common triggers for lateral inspections. Customers are understandably concerned that the lower the permit threshold, the greater the proportionate cost a sewer lateral inspection is and, if needed, replacement becomes. At the same time, the lower the threshold:

1. the greater the number of laterals that would be evaluated,
2. the greater the amount of data regarding sewer lateral condition that would be collected,
3. the more informed property owners would be regarding their sewer lateral reliability,
4. the more informed future sewer lateral ordinance modifications would potentially be, and – ultimately –
5. the greater the operational efficiency and peak flow reduction that could potentially be achieved.

PREVIOUS BOARD ACTION

On April 11, 2019, the Board discussed and gave feedback to Staff regarding the newly formulated, inflow focused sewer lateral ordinance concept. Various discussions and presentations regarding the ordinance have occurred over the past several years.

ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

N/A

STAFF RECOMMENDATION

The most significant impact of a sewer lateral inspection on a property owner is the potential for the inspection to trigger a sewer lateral replacement. Based on the comments received and due to the potential for sewer lateral replacements to have less effect on peak flow reduction than elimination of inflow to laterals (illegal connections), Staff recommends that the Board consider deferring the decision to require lateral replacement until data can be collected regarding the impact ordinance driven sewer lateral inflow elimination has on peak flow reduction. After a sufficient number of years of wet weather data is collected, the Board could address lateral replacement requirements via future ordinance amendment. Alternatively, as was previously proposed by Staff, the Board may wish to implement a 2 year grace period for sewer lateral replacements where inspection results indicate that replacement is required.

Due to the benefit of inspecting more laterals than fewer, and particularly if the Board is willing to defer the decision to require lateral replacement until the impact of inflow reduction can be determined, Staff recommends that Board consider keeping the building permit valuation trigger at \$15,000. If the Board prefers to retain a sewer lateral replacement requirement in the ordinance, Staff recommends that the Board consider exempting certain types of permits from the valuation calculation. Recommended exemptions include:

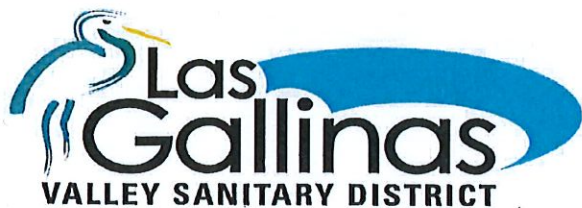
1. ADA upgrades,
2. Fire sprinkler installations,
3. Energy efficiency upgrades, including window replacements,
4. Fire resistance improvements,
5. Rainwater catchment systems,
6. Greywater systems,
7. Structural improvements exclusively required for seismic/earthquake retrofit work, and
8. Replacement 'in kind' or for repairs such as driveways, roofs, fencing and similar improvements that do not constitute discretionary property upgrades.

Due to concerns regarding the cost of inspection, Staff recommends that the Board consider waiving the LGVSD administrative inspection fee (estimated at \$250) for building permit triggered inspections valued at \$30,000 or less (twice the recommended building permit valuation trigger).

In any case, Staff also recommends that the Board consider requiring disclosure of inspection results to all parties involved in property sale triggered lateral inspections.

In general, Staff requests that the Board consider all the public input summarized herein, along with the aforementioned recommendations, and direct Staff accordingly regarding finalization of the Sewer Lateral Ordinance language.

As the Board continues to consider the best initial ordinance form to implement, Staff wishes to emphasize that future ordinance refinements could be implemented via amendments as needed that would take into account the observed impact of the ordinance on the collection system and treatment plant operations after a series of winters.



DISTRICT BOARD

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Michael Cortez,
District Engineer
Mel Liebmann,
Plant Manager
Robert Ruiz,
Administrative Services Manager
Greg Pease,
Collection System/Safety Manager

July 19, 2019

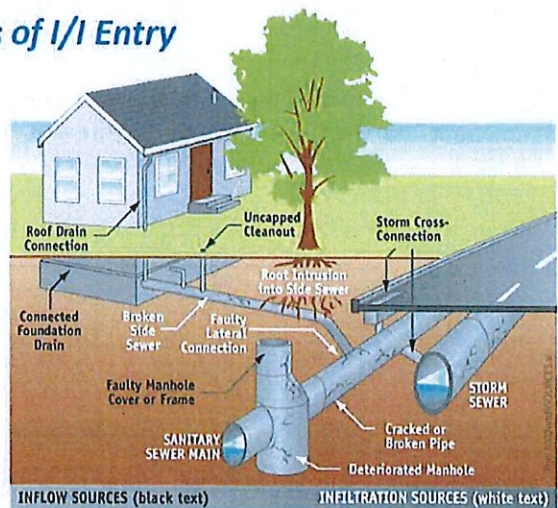
Dear Customer,

Like many similar agencies, LGVSD is developing a sewer lateral ordinance in order to reduce the chance of wet weather related sewer spills and improve efficiency of the District's Wastewater Treatment Plant. We want your feedback as we develop the ordinance, so please read on!

Just like a roof, foundation, electrical panel, or furnace, which are part of a house's 'infrastructure,' all residential dwellings (houses, condominiums, apartment complexes, etc.) have a sewer lateral pipeline that conveys wastewater generated at the residential property to the sewer main pipeline in the street, which eventually leads to the District's wastewater treatment plant.

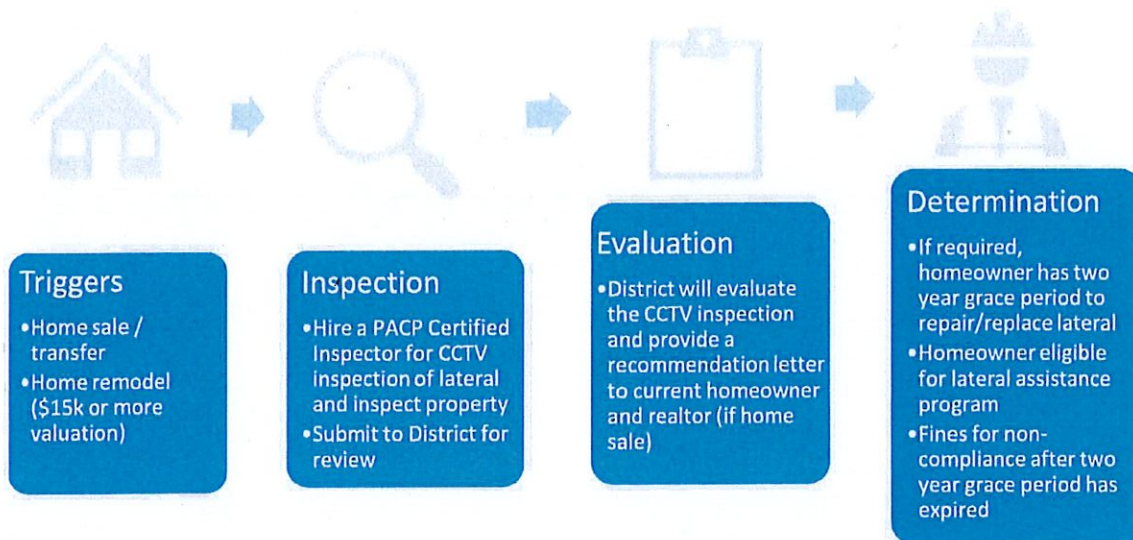
Sewer lateral age and/or tree root disruption can cause cracks in the pipe that allow groundwater and rainwater seepage into the system (infiltration). Infiltration leads to unnecessarily high flows in the sewer main network that can increase the potential for spills. This 'extra water' also requires the treatment plant to treat higher flows, which increases costs for electrical power and chemicals. Illegal connections (such as sump pump discharges or gutter downspouts) also contribute to elevated flows and the associated risks and costs. These types of inputs to the system are referred to as 'inflow.' Cracks in old sewer mains in the streets are also a source of inappropriate inputs to the sewer system, which is why the District is regularly upgrading and replacing sewer mains in numerous city streets. Combined, inflow and infiltration are abbreviated as I&I.

Points of I/I Entry



In order to incrementally address excess flows from private sewer laterals, the District is developing a sewer lateral ordinance that requires an evaluation of each residential property's lateral for condition and potential illegal connections. Many other agencies have implemented ordinances for the same purpose. The proposed ordinance addresses events which would trigger inspections, lateral replacement requirements, and mitigation of illegal connections, along with timing for the various inspections and mitigation activities, and fines for non-compliance.

The following table describes some fundamental aspects of sewer lateral inspections and replacement that the ordinance will address.



If an owner must replace their lateral, we want to remind you that LGVSD has a lateral replacement loan program to help finance the work. Homeowners would be eligible for a low interest loan (2%) for an amount up to \$10,000. More information on the requirements and the application process can be found at our website, <http://www.lgvsd.org/doing-business/sewer-lateral-assistance/>

LGVSD would greatly value your feedback regarding the proposed ordinance. Please provide your written/emailed input by **August 21, 2019** to LGVSD at 300 Smith Ranch Rd., San Rafael CA 94903 or gpease@lgvsd.org. If you'd like to attend the LGVSD Board meeting where the draft ordinance language will be considered, please monitor the District's website for the meeting announcement. This issue is tentatively scheduled for a Board meeting in September.

LGVSD is developing this ordinance because doing so will ultimately help keep your wastewater rates as low as possible, help protect the environment, and is consistent with the District's infrastructure and environmental stewardship philosophy.

Sincerely,

Greg Pease

Greg Pease
Collection System/Safety Manager
Las Gallinas Valley Sanitary District