

AGENDA TITLE:

Emergency Storm Drain Repair - Spring Street and Bridgeway

RECOMMENDED MOTIONS:

Motion authorizing the City Manager to approve payment in accordance with the City of Sausalito Purchasing Policy, 3.30.220 to W. R. Forde Associates for Emergency Work provided to the City of Sausalito on February 1, 2008.

SUMMARY

On February 1, 2008 City Staff were notified of a sinkhole at Spring Street and Bridgeway adjacent to 1919 Bridgeway (Christophe's Restaurant). The sinkhole dimensions were approximately 14' x 9' x 8' in dimension and was beginning to undermine the adjacent building. The void was caused by a failed 36" corrugated metal storm drain line located in the sidewalk area along Spring Street. Due to a forecast severe storm the next day and concern about further foundation undermining, the City hired W.R. Forde and Associates to make emergency repairs to the storm drain on a time and materials basis. Costs for the repairs totaled \$17,491.32. This cost exceeds the City Manager's discretionary authority. Staff recommends that the Council adopt a motion approving the expenditure and authorizing the City Manager to pay W.R. Forde and Associates.

BACKGROUND

The City of Sausalito is responsible for storm drain maintenance within the public right-of-way and within formally accepted storm drainage easements. Most of the storm drains are old. Maintenance is generally limited to clearing inlets and sweeping the streets. Staff believes there is an unmet need for pipeline maintenance and rehabilitation. Pipeline repairs are done as problems are discovered or reported and as resources allow.

The subject sinkhole is such a discovery. When a failure to this degree is identified there is an urgent need to mobilize qualified personnel to correct threat to public health and property. In this case the degree of severity was determined quickly. W.R. Forde and Associates, Engineering Ccontractor was contacted as was able to mobilize immediately with a verbal authorization made by the Sewer System Coordinator as directed by the City Engineer.

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W. R. Forde Associates was contacted on 02/1/08 at 2:50pm. Forde was on site at 3:30pm and completely mobilized by 4:00pm. Forde removed the sidewalk preserving the curb and gutter. This removal exposed a 15 feet long section of 36" corrugated metal pipe where the bottom had corroded away. On or around 10:00 pm the majority of the excavating was complete. Small sections of 36" corrugated plastic pipe was cut to serve as a patch against the metal pipe. Filter fabric was used to keep the aggregate base rock/backfill in place, all the while as the watershed continued to discharge runoff through the drain line. The temporary repair was completed and brought to grade by 12:30am 02/02/08 and all participants off-site by 1:00am 02/02/08.

The cost for this work, done on a time and materials basis, totaled \$17,491.32. The purpose of this item is to seek authorization to pay the contractor.

ISSUES

Paying for the work

Section 3.30.220 of the Sausalito Municipal Code (Purchasing), includes a procedure for addressing costs incurred due to an emergency. It states:

Bidding procedures may be dispensed with in the case of an emergency. The City Council delegates to the City Manager the authority to declare a public emergency subject to confirmation by the City Council at its next meeting for any purchase of \$15,000 or more. (Purchasing Policy: Chapter 3.30 PURCHASE OF SUPPLIES, EQUIPMENT AND SERVICES AND PROCEDURES FOR PUBLIC WORKS PROJECTS)

Though staff knew that the sinkhole was large we were unable to determine the full size of the hole until the sidewalk was removed. Fortunately the failed section of metal pipe was only 15 feet long and it was attached to more durable concrete pipeline upstream and a brick inlet downstream. Still final costs exceeded the City Manager's authority by \$2,491.32 or seventeen percent over the authorized limit.

Permanent Repair

The repair done on 2/1/2008 was temporary. The primary goal of the work was to buttress the ground under the foundation at 1919 Bridgeway and to provide a solid and supported sidewalk pathway. Conditions in the sinkhole prevented complete repair of the damaged pipe and it continues to leak, though at a much slower rate than when we discovered it. Staff believes that the repair made will last the remaining period of the winter. A permanent repair will need to be done in the next year or two or a new sinkhole will emerge. Staff is soliciting permanent repair proposals, currently. We expect to be coming to the City Council for authorization for such work in the next two to

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three months. In the short term staff proposes leave the sidewalk area in gravel to ease excavation access in the future.

Outstanding unmet needs

Repairs to storm drains in the streets can be funded by street repair funds but other locations require General Fund contributions. Given staff levels and community priorities there has not been a proactive storm drain assessment and repair program. The amount budget this year for assessment was a start. Staff may propose additional funds allocated to storm drain assessment and repair in the upcoming budget.

Staff also monitors and advocates, where appropriate, consideration for adoption of legislation at the State level to create a storm drain utilities. For the moment staff is not aware of such legal foundation. Nonetheless, we continue to believe that such a enterprise would provide a fair and equitable way to provide funds for these neglected facilities.

FISCAL IMPACT

The current billing invoice of \$17,491.32 represents the total cost for the temporary repair. There are no appropriations in the 2008 Storm Drainage Budget for storm drain repairs of this type. Thirty Thousand Dollars (\$30,000) was budgeted (page 108 of the 2008 Budget) to fund storm drain video inspection assessment. To date the video assessment project had not begun. Staff proposes funding the repair from a portion of these amounts. The Purchasing Policy requires a Purchase Order be created. Due to the emergency nature of this repair, the procedure could not be followed. Instead, an emergency justification form has been completed to justify the bypassing of the purchasing policy. This form along with a check request form is attached.

STAFF RECOMMENDATIONS

Staff recommends the City Council adopt a motion:

- 1) Retroactively approving the expenditure, and
- Authorizing the City Manager to approve payment in accordance with the City of Sausalito Purchasing Policy, 3.30.220 to W. R. Forde Associates for Emergency Work provided to the City of Sausalito on February 1, 2008.

ATTACHMENTS

Attachment 1: City of Sausalito "Emergency Justification Form" Attachment 2: Sewer System Coordinator Daily Work Sheet

Attachment 3: W. R. Forde Invoice # 16114

Attachment 4: W. R. Forde Sales Order Sheets 11072, 11073

Attachment 5: Photo 36" Storm Drain and Void Upstream View 02/01/08 3:45 pm

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Attachment 6: Photo 36" Storm Drain and Void Downstream View 02/01/08 3:45 pm Attachment 7: Photo after Work Done —Sidewalk 02/02/08 1am. Attachment 8: Photo Sidewalk Area — 02/02/08 1am. Attachment 9: Photo Sidewalk Area — 02/02/08 1am Attachment 10: Photo Sidewalk Area — Heavy Rains 02/04/08 7:30 am. Attachment 11: Photo Sidewalk Area — Heavy Rains 02/04/08 7:30 am. Check Request REVIEWED BY (Department Head): PREPARED BY: Todd Teachout Diane Henderson. City Engineer Interim Community Director SUBMITTED BY: **REVIEWED BY:** Adam Politzer Louise Ho City Manager Finance Director

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CITY OF SAUSALITO "EMERGENCY JUSTIFICATION" FORM

THIS FORM MUS BE COMPLETED AND APPROVED PRIOR TO ANY PROCUREMENT

Purchase Order Number: To be filled out by Finance)	\$ Amo	ount: 17, 491	100
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City Council Authorization: Emergency purchases estimating/totaling more tha	n \$15,000 require confirms	Council Date	

2/6/2008

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ENGINEERING CONSTRUCTION

984 HENSLEY STREET • RICHMOND, CA 94801-2117 • PHONE: 510.215.9338 • FAX: 510.215.9867

BILL TO

City of Sausalito
Attn Pat Guasco
420 Litho Street
Sausaltio, CA 94965
Tele (415) 289-4192
Fax (415) 339-2256

Invoice #6114 DATE 2/5/2008

		JOB N			LOCATION
	T	05-0		IY & DIIL	dgeway, Sausalito
Date of Work	Sales Order No	Descript	оп		Amount
02/01/08	11072	Repair to existing sto	rmdrain	\$	16,130.98
02/04/08	11073	Pick up plates & show	reling for return	\$	1,360.34
			Total	\$	17,491.32

S:\JOB FILES\2008 Job Files\05-08 City of Sausalito - Emergency Sinkhole at Bridgeway & Spring Repair - Corte Madera\Change Order File\Cover Sheet (02-05-08).xls

W.R. FORDE ASSOCIATES

984 HENSLEY STREET RICHMOND, CALIFORNIA 94804 PHONE (510) 215-9338 FAX (510) 215-9867

SALES ORDER

SOLD TO:	City of Sausalito						DATE:	2/1/2008	SA	LES NO:	i i gera	1107
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S:\UOB FILES\2006 Job Files\05-08 City of Sausalito - Emergency Sinkhole at Bridgeway & Spring Repair - Corte Madera\Change Order File\Tag No.11072 (02-04-08).xta 2/5/2008 8:54 AM

W.R. FORDE ASSOCIATES

984 HENSLEY STREET RICHMOND, CALIFORNIA 94804 PHONE (510) 215-9338 FAX (510) 215-9867

FIELD SALES ORDER

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RUBBER TIRE LOADER		WATER TRUCK					
RACK LOADER PADDLE WHEEL SCRAPER	·	AC GRINDER					
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EXCAVATOR		AIR COMPRESSOR W/ TOOLS					
ROLLER		SHORING TUDO O TELL COMMON CO					
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CLIENT

11073

W.R. FORDE ASSOCIATES

SOLD TO: City of Sausalito

984 HENSLEY STREET
RICHMOND, CALIFORNIA 94804
PHONE (510) 215-9338
FAX (510) 215-9867

SALES ORDER

2/4/2008

SALES NO:

DATE:

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perator:	Rawneesha Roya (2), Dave	Lubiszewski (2)			4.00			\$ 72.00		288.0
aborer:	Vince Clemmons				or our	2.00	ra e e e e e		\$ 65,00	\$	130.0
amster:	Dave Wilson	1 22				3.00	, in the second		5 62.00		186,0
uper:	Skeeler Rubins .		-			2.00			\$ 115,00		230,0
ther:	<u> </u>					ļ				5	
OTAL OF	ALL LABOR COLUMN COS	TS:				1	<u> </u>		5	1	834,0
HOURS	Tark a second second			COLUM	U"A" SE	HOURS				COLUM	N "B" 55
NORKED	EQUIPMENT		RATE	TO		WORKED	EQUIP	MENT	RATE		TAL.
	BACKHOE 580 K & E			S	-	-	ROLLER BOMAG (3 TO			S	
	BACKHOE WI HOE RAM A	TTACHMENT	Acces 1	S	-	447 12	ROLLER BOMAG (5 TO			S	
	EXCAVATOR- MINI	<u> </u>		\$			ROLLER BOMAG (15)	ON)		S	
	EXCAVATOR- KOMATSU F	PC-208	-	\$		-	THRASH PUMP (2")			S	
	EXCAVATOR - CAT 330 EXCAVATOR W/ HOE RAN	LATTACL	 	S	-		THRASH PUMP (3") THRASH PUMP (4")			S	-
	DOZER D-4	AATIACA.	 	5			THRASH PUMP (6")			s	
	DOZER DT-6		 	S			VIBRA PLATE			s	-
	FORKLIFT		110	5	•		COMPACTOR- CAT			s	
	LOADER-SKIP			S	-		COMPACTOR-WACK			S	-
	LOADER- BOBCAT		<u> </u>	5			COMPACTOR- WALK	BEHIND SHEEPS FT.	1.0	S	
	LOADER- BOBCAT 853		ļ	s			LEE BOY BLADE			s	
	LOADER-MUSTANG		 	\$			ROAD GRADER/ BLAD 14" CUT OFF SAW W/			S	
	LOADER-TRACK LOADER-TAKEUCCHI			5			WALK BEHIND WETS			5	 -
	LOADER- RUBBER TIRE		 	5			MUSTANG AC GRIND		<u> </u>	2	
	TRUCK- BOBTAIL		·	5	-		LASER			\$	-
	TRUCK- SEMI-END			\$	-	to May 163	LASER LEVEL/ GRADI	CHECK EQUIP.		S	-
1	TRUCK-TRANSFER	v		S	-		VACCUM TRAILER			5	-
	TRUCK-TRANSPORT			s		1.0	AIR COMPRESSOR W			S	<u> </u>
	TRUCK- WATER		ļ	\$		ļ	PORTABLE GENERAT	OR		5	
	TRUCK-FLATBED			\$		l——	STEEL PLATES			5	.
3,00	TRUCK- CONCRETE PUM TRUCK- 10 WHEELER	Ρ	\$ 35.78	\$	107.34	l 				\$	
4.00	TRUCK- WORK W/ TOOLS		S 48.07	S	192.28	l ———				5	
4.00	ROCKWHEEL- VERMEER		3 40.07	5	182.20	-	200			s	
	ROCKWHEEL- VERMEER			5	-					5	-
	PAVING MACHINE- CAT		.,	\$. No bound	. Jan			\$	
OTAL OF	EACH COLUMN EQUIPMEN	VT COST		s	299,62	THE REAL PROPERTY.	BEST STREET		机线路		<u>.</u>
	1 1				Lonior	Sacratoriae (1435)	pean, mark 1 Care the Copen	Serrice in Service (see page)	Paga Congression		
OTAL CO	MBINED EQUIPMENT COLI	UMN COST-"/							5		299.6
			(All all ma	MATERIAL Jerial, reptal an	S / SUBCO d xubcontracto	NTRACTORS-D	DESCRIPTION Mached to this Sales Order.)				
	SUB / SUPPLIER	INVOICE	NUMBER	a QUA			DESCRIPTION		SS VALUE	Boms	S TOTAL
				- ''						5	
						:				5	
							and the second		1	5	
				<u> </u>					The second	\$	
1									-	S	
1000	Name of the second of the second	10000				en eg	. C T. C	~~~	7	S	-
			<u> </u>	是领域的	ALIM.	医动物管理		3000年1000年1000年1000年1000年1000年1000年1000			
DTAL OF	ALL MATERIALS OR SUBC	CONTRACTOR	(S:	-powerpaces	(FACES DAY)	104574354023450.00	u estermarily, halving a	to the Engineering Control of the	5		
OMBINE	D SUBTOTAL OF ALL PERS	ONNEL, EQU	IPMENT & MA	TERIALS D	R SUBCON	TRACTORS:	<u> </u>		5		1,133.
ns/ OVER	/ERHEAD MARKUP								s		226.7
	OTAL OF ALL PERSONNEL	COLUMN	P MATERIAL S	חם פוופר	DATTERACTO	DE AND MAD	/IID•		5		1,36D.
		EUUIPMENI	& MATERIALS	UK SUBC	UNIKACI	JRS AND MARI		<u> </u>		***************************************	1,300
Y-W.R.F.	. EMPLOYEE:		S	eeler Rubin	s		W.R.F. JOB#		05-08		
	CLIENT REP. SIGNATURE:						CLIENT REF. #:	<u> </u>		1.15	- 15 - 1
om injury i emands ar eriormance	equipment is working under the r to person or property or the eco in the person or property or the activition of this agreement and extends art by the negligence or miscond	onomic interests les of the renter to claims, dem	of any party re This indemnity	sulling from agreement a	or alleged to oplies to clat	result from rente ms, demands and	ers operations, performant I flability for injuries occurri	e or nonperformance. S ng aller completion of th	iuch Indemnity 16 rental agreer	shall extend nent, as well	to all ctal as during

SAUOB FILES/2008 Job Files/105-08 City of Sausalito - Emergency Sinkhole at Bridgeway & Spring Repair - Corle Madera/Change Order File/Tag No.11073 (02-04-08) 2/4/2008 1:48 PM

W.R. FORDE ASSOCIATES

984 HENSLEY STREET RICHMOND, CALIFORNIA 94804 PHONE (510) 215-9338 FAX (510) 215-9867

FIELD SALES ORDER

	X (510) 215-9					Monda	24			
SOLD TO:	Ty OF	State:	LLITO	WORK DATE:	FEA.	24 4 20	ව _ි			
SPECIFIC ONSI LOCATION / STA COMPLETE DES	TE SO	vide a	Bridge	EWAY	1	, 500 /200				
COMPLETE DES	CRIPTION OF	WORK PERFOR	MED:		·····					
Pickup	RATE	54 Sh	OVENNE	FOIL RE	TURN-CI	LANT PL	ولجيف والبيتان	-		
					122	Table 11 1 Tree	,	e ^s F		
	1				.	TOTAL 111	05// 1/0/150			
POSITION		PE	RSONNEL		REG	TOTAL WORK HOURS REG O.T. D.T.				
Superintendent:	SKEE	TER			2					
Foreman:										
Operator:	ROYA	-(2) 1	AVIDIZ)	4					
Laborer: .	VINC	- (=-	-							
Teamster:	WILE	ON			3					
Other:						100				
	EQUIPMENT		HOURS		EQUI	PMENT		Hours		
BACKHOE				TRANSPORT	RUCK	·····		<u> </u>		
SKIP LOADER				TEN WHEEL D	3_					
ROAD GRADER				WORK TRUCK W/ TOOLS 2 CA 4						
RUBBER TIRE LO	ADER			WATER TRUCK						
TRACK LOADER				AC GRINDER	•					
PADDLE WHEEL	SCRAPER			PAVER						
DOZER				AIR COMPRESSOR W/ TOOLS						
EXCAVATOR				SHORING						
ROLLER							·			
COMPACTOR				<u> </u>	·					
SEMI-END DUMP	TRUCK			ļ						
TRANSFER DUMF	TRUCK			<u> </u>						
				ntractor field invoices	must be attached to this	Sales Order.)				
SUB / SUI	PPLIER	SUPPLIER	TAG NUMBER	QUANTITY		DESCRIP	TION			
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BY-W.R.F. EMPLO		<u> </u>				W.R.F. JOB #:	5.0	<u> </u>		
OWNER / CLIENT				Chtt-d		CLIENT REF#:				
reliables of the center This	Indomnite any nement	north a state of the state of	a dauged to result nois re	niais oparauons, panom	cistes against all ctaims, de ance or nonperformance. S tion of the rental agreement injury is alleged to be or is	uch indomnily shall extend	i lo eli cialme, demando	and liability arising from		

CLIENT

tag# 11073

CITY OF SAUSALITO CHECK REQUEST

TO:	FINANCE DEPARTMENT, ACCOUNTS PAYABLE
FROM:	Engineering Told Teachout Dept Name 1968 AMOUNT OF CHECK: \$ 47, 491 32/100.
DATE REQUESTED:	2/19/08 AMOUNT OF CHECK: \$ 47, 491 32/1000.
MADE PAYABLE TO:	WR Forde Associates
ADDRESS: (IF APPLICABLE)	989 Hensley Street
	Richmold, CA 24801-2117
EXPLANATION OF SERVICE:	Forced Work Energeny Repair to Storm Serve 2/1/08
DATES OF SERVICE:	2/1 bs - 2/2/08
DEPARTMENT	ACCOUNT
HEAD APPROVAL:	NUMBER: VLS-42000-320.
MAIL CHECK	RETURN CHECK TO DEPARTMENT
	ATTN: Print Name for return