



# FH DBE Contract Amendment 001 P23G6 – (R075045)

<b>Owner:</b> County Manager's Office 1402 Maple Street Redwood City, CA 94063		Date: April 22, 2020 Issued by: Scott Gurley
SCOPE of WORK: P23G6-F	H Amendment 001-20200417	Ref: COs 1-30
DISPOSITION:  ✓ Approved  □ Rejected		
NARRATIVE:		☐ See attached documents
resolution of the San Mateo C	proval and signature is Contract Amer county Board of Supervisors amendme rized up to a maximum amount of \$25 educt Schedule: Impact:	ents to the agreement with FH
	mited to paragraph 3.04 Disputes Relating to Change Order uthorizations have not been formally approved by CoSM BC  Manager:  4/22/2020  (date)	
Scott Gurley		OK .
(printed) Owner/County PDU Director	··	Sam Lin Assistant Director
—DocuSigned by:	· •	4/22/2020
Llam Ely 	4/22/2020 (date)	Docusigned by:  Sam Lin  EE1B7F4B372C432 \$5,445,066.12 ok
(printed)		
	Karen Rodgers	
	Reviewed	

## **FH Construction:**

David Hoff 4/22/2020

(signature) (date)

Daniel Hoff

(Printed)

## **County Manager:**

DocuSigned by:

4/22/2020

4/48F896DAB94EF...

(signature) (date)

Michael Callagy

Agreement No.	R075045
Unifier Cost Account	00 08 00
Total BOS Not-To-Exceed Amount	\$25,500,000.00
Original Contract Amount	\$19,699,197.00
Former Changes	\$0.00
Total Commits/Spends (App 036)	\$22,491,577.40
Available Budget	(\$2,792,380.40)
This Amendment COs (1-30)	\$ 5,445,066.12
Total Authorized Amount	\$25,144,263.12
Balance on Authorization Contract	\$355,736.88

							Allowance	
					Appr Prev Change running	Allowance	Reduction	
со	CR	Date	Cost	\$ 19,699,197.00	total	Reductions	Amount	Base Contract Allowance
CO 001	CR 8003 Ceiling Heights	8/17/2017	\$ 9,779.14	\$ 19,708,976.14				001 Sound Absorbing Walls
CO 002	CR 8004 Cabinet and Countertop revision	9/6/2017			\$ 9,779.14		-	002 Cages
CO 003	CR 8005 Flooring Revisions	10/30/2017				***************************************		003 Hazmat
CO 004	CR 8006 Emergency Generator	10/30/2017	\$ 65,860.23			Allownce 005	\$ (85,000.00)	004 PA
CO 005	CR 8001 Revised HVAC System	11/30/2017	\$ 464,164.33	\$ 20,463,812.02	\$ 300,450.69	Allowance 007	\$ (107,000.00)	005 Generator
CO 006	CR 8007 Upgrade Trench Grates	11/30/2017						006 Autoclave
CO 007	CR 8009 (30%) Floor Plan Revisions	2/5/2018						007 HVAC Zoning
CO 008	CR 8002 (30%) Flor Plan Revisions Design	3/16/2018						008 Canopies
CO 009	CR 8010 Unforseen Gas Pipe Explore	4/13/2018						009 Kennel Covers
CO 010	CR 8011 Unforssen storm drain system	4/23/2018						010 Owner Allowance
CO 011 CO 012	CR 8011.1 Extended GCs storm drain CR 8012 Design mods and budget adj	4/25/2018 5/7/2018				Allowance 001	\$ (85,000.00)	
CO 012	CK 8012 Design mous and budget adj	3/1/2018	3 330,043.04	3 21,382,443.00	3 1,484,008.10	Allowance 003	\$ (255,000.00)	
						Allowance 009	\$ (30,000.00)	
						Allowance 010	\$ (350,000.00)	
CO 013	CR 8008 ZNE PV Measures	9/21/2018	\$ 1,066,659.62	\$ 22,649,108.62	\$ 1,883,252.00		, , , , , , , ,	
CO 014	CR 8016 Water Main Relo	10/4/2018	\$ 286,761.25	\$ 22,935,869.87	\$ 2,949,911.62			
CO 015	CR 8015 Finish Floor elevation	12/10/2018	\$ 104,635.67	\$ 23,040,505.54	\$ 3,236,672.87			
CO 016	CR 8014 Design Modifications	1/18/2019	\$ 662,069.41	\$ 23,702,574.95	\$ 3,341,308.54	Allowance 002	\$ (70,000.00)	
CO 017	CR 8013 PGE Gas Line	3/21/2019						
CO 018	CR 8021 TIA Water Main Modification	3/21/2019		\$ 23,770,389.81				
CO 019	CR 8018 Rooftop Gas Piping	7/15/2019						
CO 020	CR 8019 ADMP SMP	7/15/2019					1	
CO 021	CR 8026 Storm Water OM Plan	7/15/2019						
CO 022	CR 8027 ADMP Extras	7/15/2019						
CO 023	CR 8029 Upgrade Plam to solid surface	7/15/2019						
CO 024	CR 8030 Weather Associated	7/17/2020		\$ 23,862,904.82		-	-	
CO 025 CO 026	CR 8031 Add Lights and Plugs CR 8028 Electrical PA	7/19/2020				Alleman 00:	\$ (86,684.18)	
CO 026 CO 027	CR 8033 Hose bibs	7/19/2019				Allowance 004	\$ (86,684.18)	
CO 027	CR 8020 Water Main Extra	9/19/2019	\$ 3,143.01 \$ 16,007.05					
CU 028	CR 8022 Subsurface investigation	9/19/2019						
	CR 8023 Contaminated Soil	9/19/2019						
	CR 8024 Add power to water fountain	9/19/2019						
	CR 8025 Generator Permit procurement	9/19/2019						
	CR 8032 Added Elec Site work	9/19/2019				-	-	
	CR 8034 Dense glass upgrade	9/19/2019						
	CR 8035 Added floor drain at cooler	9/19/2019						
CO 029	CR 8036 Landscape	11/7/2019						
	CR 8037 Fencing Rev	11/7/2019						
	CR 8039 Antenna lighting	11/7/2019						
CO 030	CR 8038.3 Temp Gen	4/7/2020	\$ 136,180.34	\$ 24,630,597.05	\$ 4,795,219.71			
	CR 8040 Berm Grading	2/26/2020	\$ 24,581.02	\$ 24,655,178.07	\$ 4,931,400.05			
	CR 8041.2 Layer Cake	3/31/2020	\$ 12,644.58	\$ 24,667,822.65	\$ 4,955,981.07			
	CR 8042 Add Epoxy	2/19/2020						
	CR 8043.1 Panic alarm	4/7/2020						
	CR 8044.1 Install landscape sleeves	4/16/2020						
	CR 8045.4 Asphalt	4/8/2020						
	CR 8046 Class 2	2/19/2020						
	CR 8047 Soil Import	2/14/2020				-	-	
	CR 8048 Med Gas	2/14/2020				-	-	
	CR 8049 Temp Access Fencing	3/2/2020						
	CR 8051 Cellular System Fire Alarm CR 8052 Mail Box Desk Gate	2/25/2020 2/21/2020				-		
	CR 8053.1 Asphalt paving	4/8/2020				-	-	
	CR 8055 Access pathways	4/3/2020					-	***************************************
	CR 8057 Spoils relocation grading vditch	4/4/2020						
	CR 8058 asbestos DMP SMP	4/6/2020						
	CR 8059 ATT Conduit Extension	4/6/2020				1		
	This Change Order		\$ 5,445,066.12					
	Original Contract Amount		\$ 19,699,197.00					
	New Contract Amount		\$ 25,144,263.12					
Remainn	ing Allowance							
	001 Sound Absorbing Walls	\$ -						
	002 Cages	\$ -				-	-	
	003 Hazmat	\$ -		Agreement No	007501	-		
	004 PA	\$ 14,715.82		Agreement No	R075045		-	
	005 Generator	\$ - \$ 18.000.00		Unifier Cost Account	00 08 00		-	
	006 Autoclave			Total BOS NTE Amount	\$ 25,500,000.00 \$ 19,699,197.00		-	
	007 HVAC Zoning	\$ -		Original Contract Amount				
	008 Canopies	\$ 20,654.00		Former Changes Total Commits/Spends (App 036)	\$0.00		-	
	009 Kennel Covers 010 Owner Allowance	\$ - \$ -		Available Budget	\$22,491,577.40 \$ (2,792,380.40)			
	010 OWIEL AHOWAILE	- د		This Change Order	\$ (2,792,380.40)		-	
				Total Authorized Amount	\$ 25,144,263.12		-	
				Balance on Authorization Contra			-	
				Service on Authorization College	00.06/,درد	1		



## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 1

Date: 8/17/2017

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Ceiling Height at Clinic Lobby, Main Lobby, MP

8003 Ceiling Height at Clinic Lobby, Main Lobby, MP

Sam Lin

\$9,779.14

Scott Gurley

Robert Hennessy

Assistant Director

4/16/2020

-DocuSigned by:

DocuSigned by:

4/16/2020

Robert Hennessy —AB3B77D60A0D483...

\$9,779.14

DocuSigned by:

Sam Lin —EE1B7F4B372C432...

\$9,779.14

The original Contract Amount was	\$19,699,197.00
Net change by previously authorized Change Orders	\$0.00
The Contract Amount prior to this Change Order was	\$19,699,197.00
The Contract will be increased by this Change Order in the amount of	\$9,779.14
The new Contract Amount including this Change Order will be	\$19,708,976.14
The Contract Time will be increased by 0 days.	

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION

ARCHITECT

CONTRACTOR
PO BOX 2329
LODI, CA 95241

Daniel Hoff

By

Date

By

Date

Date

Date

FH CONSTRUCTION

OWNER

OWNER

FO BOX 2329
LODI, CA 95241

By

Date

Date

Date

Date



### Change Request

To: Theresa Yee San Mateo County Number: 8003 Date: 8/3/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description:

Reason: Owner Request

Initiated by: Theresa Yee (San Mateo County)

REC'D PDU '17 AUG 14

We are pleased to offer the following specifications and pricing to make the following changes:

Revised the original scope of the contract document to raise the acoustical ceiling height in Clinic Lobby, Main Lobby, and Multipurpose Room from 8'0" to 9'6". Cost is LS and will be added to the construction budget.

Cost Co	de Description	Labor	Material	Equipment	Subcontract	Other	Price
1-950 1-200	Ceiling Height @ Lobbies and MP LDA - Design & Coordination				\$613.00	\$7,661.00	\$7,661.00 \$613.00
						Subtotal:	\$8,274.00
					\$8,274.00	%	\$827.40
					\$9,779.14	%	\$264.04
					\$8,274.00	%	\$413.70
						Total:	\$9,779.14

\* Britist approved was \$ 2000. tealth per asseed to reduce \$ 3000. on Send absorption well.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Cc:

Approved by:

Date

- 8/17/2017

Page 1 of 1



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 2

Date: 9/6/2017

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Cabinet and Countertop Revisions

8004 Cabinet and Countertop Revisions

\$26,562.00

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

Assistant Director

DocuSigned by:

D149DF838EF04D7

Scott Gurley

DocuSigned by:

4/16/2020

Robert Hennessy —AB3B77D60A0D483...

\$26,562.00

DocuSigned by:

Sam (in —EE1B7F4B372C432...

\$26,562.00

The original Contract Amoun	ıt was		\$19,699,197.00
Net change by previously au	thorized Change Orders	âl.	\$9,779.14
The Contract Amount prior to	this Change Order was		\$19,708,976.14
The Contract will be increase	ed by this Change Order in the amount of		\$26,562.00
The new Contract Amount in	cluding this Change Order will be		\$19,735,538.14
The Contract Time will be un	ichanged.		
The date of Substantial Com	pletion as of the date of this Change Order there	fore is	
	FH CONSTRUCTION		
ARCHITECT	CONTRACTOR	OWNER	
	PO BOX 2329		
	LODI, CA 95241		
	Deail Holl		
(Signature)	(Signature)	(Signature)	
	Daniel Hoff		
Ву	By	Ву	
Date		Date	
Date	Date	Dale	



# Change Request

To: Theresa Yee San Mateo County Number: 8004 Date: 8/29/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

#### Description:

Reason: Design Change

Initiated by: Theresa Yee (San Mateo County)

Source: Proposal Request

We are pleased to offer the following specifications and pricing to make the following changes:

Cabinet and countertop revisions is provided as an NTE cost. Additional costs will be identified and provided to the owner in an itemized spreadsheet. The NTE cost is unknown and may exceed the estimated cost, DBE will promptly advise owner upon reaching 75% of maximum amount to increase funds. Remaining budget in the NTE fund will be returned to the owner at completion of the project by deductive change order.

Attached is the estimated costs of revisions.

Cost Cod	de Description	Labor	Material	Equipment	Subcontract	Other	Price
1-950	Cabinet and Counter Revisions					\$26,562.00	\$26,562.00
				**		Subtotal:	\$26,562.00
						Total:	\$26,562.00

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Cc:

Approved by:

Date:

022Eb11

Page 1 of 1



SCOPE:

CABINET AND COUNTER BUDGETARY NUMBERS SAN MATEO COUNTY ANIMAL SHELTER

SPEC. No.	DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
	BASE CABINETS					BASELINE - 155 LF; CURRENT - 165 LF
	PLASTIC LAMINATE	0.0	LF	\$245.00	00.02	BASELINE - 155 LF; CURRENT - 155 LF
	STAINLESS STEEL (NO DRAWERS)	10.0	LF	\$325.00	\$3,250.00	BASELINE - 0 LF; CURRENT - 10 LF
	UPPER CABINETS				term of the last	BASELINE - 147 LF; CURRENT - 206 LF
	PLASTIC LAMINATE	37.5	LF	\$220.00	\$8,250.00	BASELINE - 147 LF; CURRENT - 206 LF
	STAINLESS STEEL (SOLID SHELVING)	15.5	LF	\$200.00	\$3,100.00	BASELINE - 0 LF; CURRENT - 15.5 LF
	STAINLESS STEEL (WIRE SHELVING)	0.0	LF	\$60.00	\$0.00	ALTERNATE TO SS SOLID SHELVING
	STAINLESS STEEL (SOLID DOORS)	6.0	LF	\$305.00	\$1,830.00	BASELINE - 0 LF; CURRENT - 6 LF
	COUNTER TOPS					BASELINE - 189 LF; CURRENT - 275 LF
	PLASTIC LAMINATE	70.5	LF	\$64.00	\$4,512.00	BASELINE - 125 LF; CURRENT - 195.5 LF
	SOLID SURFACE	10.0	LF	\$142.00	\$1,420.00	BASELINE - 38 LF; CURRENT - 48 LF
	STAINLESS STEEL	5.5	LF	\$206.00	\$1,133.00	BASELINE - 26 LF; CURRENT - 31.5 LF
	SUB - TOTAL OF ALL ABOVE	<del> </del>		<u> </u>	\$ 23,495.00	
	BUILDERS RISK INSURANCE	LINEAR FO	OT COSTS AND P	ERCENTAGES	\$ 185.93	
	LIABILITY INSURANCE	PROVIDED FOR BUDGETARY AND PLANNING PURPOSES ONLY		\$ 292.18		
	PAYMENT & PERFORMANCE BOND			\$ 239.05		
	CONTRACTORS FEE					
	TOTAL				26,562	



# Change Order

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10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 3

Date: 10/30/2017

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Flooring Revisions

8005 Flooring Revisions

Robert Hennessy

Sam Lin

\$198,249.32

Scott Gurley

4/16/2020

Assistant Director

- DocuSigned by:

Scott Gurley

DocuSigned by:

Robert Hennessy —AB3B77D60A0D483...

\$198,249.32

—DocuSigned by:

4/16/2020

Sam lin —EE1B7F4B372C432...

\$198,249.32

The original Contract A	mount was				\$19,699,197.00
Net change by previou	sly authorized Chan	ge Orders			\$36,341.14
The Contract Amount	orior to this Change	Order was			\$19,735,538.14
The Contract will be in	creased by this Cha	nge Order in the amount of			\$198,249.32
The new Contract Amo	ount including this C	hange Order will be			\$19,933,787.46
The Contract Time will The date of Substantia		the date of this Change Order therefore is			
ARCHITECT	el de Lagre El Less	FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241	OWNER See	CR	800 S
(Signature)		(Signature)	(Signature)		
Ву		By 10/30/17	Ву		<del>,                                      </del>
Date		Date	Date		

## **Robert Hennessy**

From:

Hennessy, Robert < Robert. Hennessy@jacobs.com>

Sent:

Monday, October 23, 2017 1:32 PM

To:

Robert Hennessy

Subject:

FW: CR 8005 R5 - Flooring Revisions.pdf

**Attachments:** 

CR 8005 R5 - Flooring Revisions.pdf

From: Daniel Hoff [mailto:dhoff@f-hconst.com]

Sent: Friday, October 20, 2017 3:08 PM

To: Hennessy, Robert

Cc: Stephen Seibly; Tim O'Brien; Brendan Corbett

Subject: [EXTERNAL] CR 8005 R5 - Flooring Revisions.pdf

Bob,

See revised CR for additional Flooring per our Wednesday's design Meeting.

Thanks,

### Daniel Hoff / LEED AP BD+C

(209) 931-3738 PHONE

(209) 269-6327 MOBILE

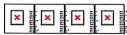
(209) 931-4427 FAX

dhoff@f-hconst.com



1115 East Lockeford Street, Lodi, CA 95240

#### WWW.F-HCONST.COM



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Please consider the environment before printing this email.

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# Letter of Transmittal

To: Robert Hennessy Jacobs  Subject: Change Reques	t - 8005: F	looring Revi		tal #: 50 Date: 10/20/2 Job: 10-16-5	017 0466 ANIMAL SHELTER REPLACEMENT
WE ARE SENDING YOU		ched	☐ Under sep	arate cover via	a the following items:
☐ Shop drawings	☐ Prin	ts	Plans	Г	Samples
Copy of letter	☐ Cha	nge order	☐ Specification	ions	Change Request
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Document Type	Copies	Date	No.	Description	
Change Request	1	10/5/17	8005	Flooring Revi	sions
	8				
THESE ARE TRANSMITTE	D as che	cked below	:		
▼ For approval	Γ	Approve	d as submitted		Resubmit copies for approval
For your use	Г	Approve	d as noted	<b>[</b>	Submit copies for distribution
As requested	Г	Returne	for corrections		Return corrected prints
For review and comm	ent r	Other			
FOR BIDS DUE	Γ	PRINTS	RETURNED AFTER	R LOAN TO US	6
Remarks:					
Сору То:					
сору то.					
From: Daniel Hoff (F & H	Construction	on)	Signa	ture:	



Change Request

To: Robert Hennessy Jacobs

Number: 8005 Date: 10/5/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Flooring Revisions

Reason: Owner Request

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Flooring revisions is provided as an NTE cost. Revisions are based on attached floor plan and requested flooring changes made during design phase coordination meetings. Additional costs will be identified and provided to the owner in an itemized spreadsheet The NTE cost is unknown and may exceed the estimated cost, DBE will promptly advise owner upon reaching 75% of maximum amount to increase funds. Remaining budget in the NTE fund will be returned to the owner at completion of the project by deductive change order.

Attached is the estimated costs of revisions.

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
1-950 Flooring Revisions					\$198,249.32	\$198,249.32
					Subtotal:	\$198,249.32
					Total.	\$198,249.32
					(	
					1	POM
					SNT	
				^	NY	
				(4	A. 11	
				M	)	
				1/	'	
If you have any questions, please contact	ct me at (209)931-373	В.		46	J-	10/20/17

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

RECEIVED Date: 10/25

Project Development Unit County of San Mateo

F&H Confidential

10/20/2017

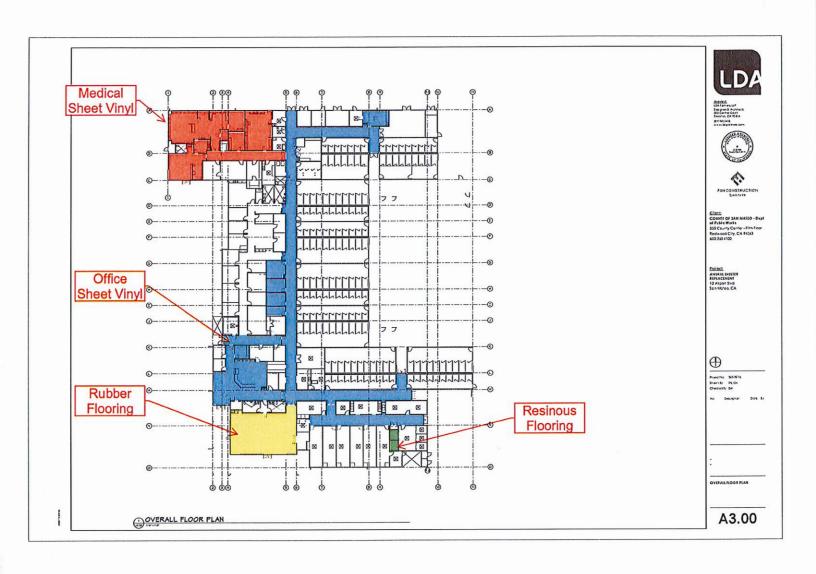
Page 1



SCOPE:

FLOORING BUDGETARY NUMBERS VERSION 5 SAN MATEO COUNTY ANIMAL SHELTER

SPEC. No.	(DEDUCT) SEALED CONCRETE	QUANTITY -9,263.0	SF	COST S0.80	II .	M BUDGET AMOUNT (7,410.40)	NOTES/ BASIS OF COST ESTIMATE
	RESINOUS FLOORING  CLINIC SHEET VINYL FLOORING	98.0 3,185.0	SF SF SF	\$14.50 \$14.25 \$14.25	\$	45,386.25	Duraflex Cryl-A-Quartz Altro Stronghold 30 Altro Stronghold 30
	OFFICE SHEET VINYL FLOORING RUBBER FLOORING DESIGN DEVELOPMENT FEE	6,800.0 1,650.0 1.0	SF LS	\$19.50 \$7,500.00	\$		Rubber Flooring
		1.0	Lo	\$7,500.00	9	175,971.85	
	SUB - TOTAL OF ALL ABOVE BUILDERS RISK INSURANCE LIABILITY INSURANCE PAYMENT & PERFORMANCE BOND	LINEAR FOOT COSTS AND PERCENTAGES PROVIDED FOR BUDGETARY AND PLANNING PURPOSES			s	4,680.28	
	CONTRACTORS FEE TOTAL				s	17,597.19 198,249.32	





# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 4

Date: 10/30/2017

**Architect's Project:** 

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

**Emergency Generator** 

8006 Emergency Generator

\$65,860.23

Scott Gurley

Robert Hennessy

Assistant Director

•

4/16/2020

4/16/2020

Sam Lin

DocuSigned by:

Scott Gurley

-DocuSigned by:

Robert Hennessy —AB3B77D60A0D483...

\$65,860.23

-DocuSigned by:

Sam Lin —EE1B7F4B372C432...

\$65,860.23

The original Contract Amoun	it was	\$19,699,197.00
Net change by previously au	thorized Change Orders	\$36,341.14
The Contract Amount prior to	o this Change Order was	\$19,735,538.14
The Contract will be increase	ed by this Change Order in the amount of	\$65,860.23
The new Contract Amount in	cluding this Change Order will be	\$19,801,398.37
The Contract Time will be un	changed.	
The date of Substantial Com	pletion as of the date of this Change Order therefore	ore is
ARCHITECT	FH CONSTRUCTION CONTRACTOR	OWNER
	PO BOX 2329 LODI, CA 95241	See Change Request 8006
(Signature)	(Signature)	(Signature)
	Danie/Hoff	See Change Request 8006
Ву	10/30/17	By See Change Request 8006
Date	Date	Date



## Change Request

To:

Number: 8006

Date: 10/20/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Emergency Generator

Reason: Owner Request

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Provide and install a 150KW Generator to include Pad, Trenching, 4 Ballard, Feeders from Gen set to Transfer switch, conduits and cable for fire alarm, tie in to the fire alarm system and remote enunciator.

No Fencing is included in this proposal Level 2 Acoustical Enclosure is included 275 Gallon tank is included Fuel and electrical testing Includes one full tank No permits are included

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
1-020	Allowances No. 5 - Emergency Generator					\$(85,000.00)	\$(85,000.00)
16-100	Intermoutain Electric				\$145,556.12		\$145,556.12
16-100	Self Perform	\$494.84		\$50.00			\$544.84
						Subtotal:	\$61,100.96
			Markup - Subco	ntractor (5%)	\$60,556.12	5.00 %	\$3,027.81
			Markup - Self-P	erform (15%)	\$544.84	15.00 %	\$81.73
				BIT	\$61,100.96	2.70 %	\$1,649.73
						Total:	\$65,860.23

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

Date:

## **Robert Hennessy**

From:

Hennessy, Robert < Robert. Hennessy@jacobs.com>

Sent:

Monday, October 16, 2017 10:51 AM

To:

Robert Hennessy

**Subject:** 

FW: SMCAS IM Standby Generator Proposal.pdf

**Attachments:** 

PCO #3 - Gen Set - REVISED 09.14.17.pdf

Importance:

High

**From:** Daniel Hoff [mailto:dhoff@f-hconst.com] **Sent:** Thursday, October 05, 2017 2:21 PM

To: Hennessy, Robert; Sam Lin

**Cc:** Stephen Seibly; David Signorello; Karen Prentice **Subject:** RE: SMCAS IM Standby Generator Proposal.pdf

Importance: High

Bob,

This item is a critical issue for the design team (more so than the grating and flooring). Could you review the information provided and provide direction?

Thanks,

### Daniel Hoff / LEED AP BD+C

(209) 931-3738 PHONE

(209) 269-6327 MOBILE

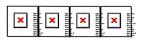
(209) 931-4427 FAX

dhoff@f-hconst.com



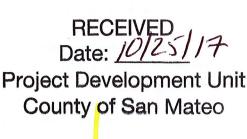
1115 East Lockeford Street, Lodi, CA 95240

#### WWW.F-HCONST.COM



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From: Daniel Hoff

Sent: Friday, September 22, 2017 10:02 AM

To: Hennessy, Robert < Robert. Hennessy@jacobs.com >; Sam Lin < slin@smcgov.org >

Cc: Stephen Seibly (sseibly@f-hconst.com) <sseibly@f-hconst.com>

Subject: RE: SMCAS IM Standby Generator Proposal.pdf

Bob and Sam,

Attached is our subcontractor's proposal for the standby generator. This excludes our BIT, Markup and permit fees. Does the County want a change request and order for approval or will they be proceeding with procuring another generator?

Allowance for generator is \$85,000 therefore a change order will be in the ball park of \$80,000.

Please provide direction.

Thanks, Daniel

From: Theresa Yee [mailto:tyee@smcgov.org]
Sent: Friday, September 15, 2017 1:05 PM
To: Daniel Hoff <dhoff@f-hconst.com>

**Cc:** Stephen Seibly < sseibly@f-hconst.com>; Sam Lin < slin@smcgov.org>; james.hall@jacobs.com

Subject: RE: SMCAS IM Standby Generator Proposal.pdf

Thank you Daniel, I am in receipt of this. We will look this over. Theresa

From: Daniel Hoff [mailto:dhoff@f-hconst.com]
Sent: Tuesday, September 12, 2017 4:39 PM

To: Theresa Yee < tyee@smcgov.org>

Cc: Stephen Seibly <sseibly@f-hconst.com>

Subject: RE: SMCAS IM Standby Generator Proposal.pdf

Theresa,

We received confirmation that the optional equipment for \$19,850.00 included in the original proposal is not required per current BAAQMD requirements. Intermountain is revising their proposal to exclude any optional equipment not required.

#### Optional:

Combination diesel particulate filter/critical grade silencer Carb Level 3 certified passive filter (DPF to be mounted to roof of enclosure) Installation contractor to provide terminations and mounting Net Additional Amount \$19,850.00

Thanks, Daniel

From: Daniel Hoff

Sent: Tuesday, September 05, 2017 10:13 AM

To: 'Theresa Yee' < tyee@smcgov.org>

Cc: Stephen Seibly (sseibly@f-hconst.com) <sseibly@f-hconst.com>

Subject: SMCAS IM Standby Generator Proposal.pdf

Theresa,

Attached is a proposal for the Standby Generator from IM. The cost is \$167,651.92 which exceeds the allowance (\$85,000) by \$82,651.92.

The additional cost to the County for this system with BIT and our Markup included is \$92,438.86. How does the County want to proceed?

Thanks, Daniel

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DocuSign Envelope ID: 0F832ECA-1DB7-4EBD-BB43-D44F9394DE9F



California Main Office:

1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

# Letter of Transmittal

To: Robert Henness Jacobs  Subject: Change R		06: Eme	rgency G	enerator		<b>Date:</b> 10/20		017 466 ANIMAL SHELTER REPLACEMENT
WE ARE SENDING	OU 🔽	Attache	ed		Under sep	arate cover	<b>vi</b> a	the following items:
Shop drawings		Prints			Plans	)		Samples
Copy of letter		Change	order		Specificat	ons )	V	Change Request
Document Type	Cop	oies	Date	1	lo.	Descriptio	n	
Change Request	1	10	0/20/17	8006	5	Emergency	y G	<u>enerator</u>
					THE PARTY OF THE P			
THESE ARE TRANS	MITTED as	checke	d below	:				
▼ For approval			Approve	d as subr	nitted	J		Resubmit copies for approval
For your use			Approve	d as note	d			Submit copies for distribution
As requested			Returned	for corre	ections	J		Return corrected prints
For review and	comment		Other					
FOR BIDS DUE			PRINTS	RETURN	IED AFTER	R LOAN TO	US	
Remarks:								
Сору То:								
From: Daniel Hoff (F	& H Const	ruction)			Signa	ure:		



## Change Request

To:

Number: 8006

Date: 10/20/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Emergency Generator

Reason: Owner Request

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Provide and install a 150KW Generator to include Pad, Trenching, 4 Ballard, Feeders from Gen set to Transfer switch, conduits and cable for fire alarm, tie in to the fire alarm system and remote enunciator.

No Fencing is included in this proposal Level 2 Acoustical Enclosure is included 275 Gallon tank is included Fuel and electrical testing Includes one full tank No permits are included

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
1-020	Allowances No. 5 - Emergency Generator					\$(85,000.00)	\$(85,000.00)
16-100	Intermoutain Electric				\$145,556.12		\$145,556.12
16-100	Self Perform	\$494.84		\$50.00			\$544.84
						Subtotal:	\$61,100.96
			Markup - Subco	ntractor (5%)	\$60,556.12	5.00 %	\$3,027.81
			Markup - Self-P	erform (15%)	\$544.84	15.00 %	\$81.73
				BIT	\$61,100.96	2.70 %	\$1,649.73
						Total:	\$65,860.23

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

Date:

JOB:

SAN MATEO ANIMAL SHELTER

F&H

СПҮ:

SAN MATEO, CA

SELF PERFORM VERSION

BY : DATE :

ATE: 10/20/2017

CODE	SELF PERFORM SUMMARY	ITEM QTY	UNIT OF MEASURE	TOTAL	COST PER UNIT	CUBIC YARDS	COST PER YARD	TOTAL MAN HOURS
03000	SURVEY/ LAYOUT	1	LS	\$396.56	\$396.56	N/A	N/A	5
03000	GENERATOR PAD	1	LS	\$148.28	\$148.28	N/A	N/A	2
	SUB TOTAL - SELF PERFORM	1	LS	\$544.84	\$544.84	0	\$0.00	7
	ESTIMATE TOTAL - SELF-PERFORM	1	LS	\$544.84	\$544.84	0	\$0.00	7

DocuSign Envelope ID: 0F832ECA-1DB7-4EBD-BB43-D44F9394DE9F

JOB: SAN MATEO ANIMAL SHELTER

CITY: SAN MATEO, CA

COMPOSITE MH RATE \$74.14

SELF PERFORM VERSION

By: F&H

Date: 10/20/17

## BAYAREA

COST	GENERATOR	TAI	(EOFF	PRODI	JCTION	MA'	TERIAL		LABOR		EQI	JIPMENT	SUBC	ONTRACT	LINE
CODE	ITEMS BY PHASE	QTY	U.O.M.	RATE	U.O.M.	@ UNIT	PRICE	@ UNIT	PRICE	MH	@ UNIT	PRICE	@ UNIT	PRICE	TOTALS
															•
03000	SURVEY/ LAYOUT														
	TOTAL STATION SET UP - OFFICE	1	MH	1	LS		\$0	\$50.00	\$50	0.7	\$50.00	\$50		\$0	\$100
	SURVEY/ LAYOUT - TOTAL STATION	4	MH	1	LS		\$0	\$74.14	\$297	4.0		\$0		\$0	\$297
							\$0	\$0.00	\$0	0.0		\$0		\$0	\$0
	TOTAL MAN DAYS - THIS PHASE	1	MD												
							======		======		=	======		======	=====
	24-4-12-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-						\$0		\$347	4.7		\$50		\$0	\$397
		The second second second	-		EA CONTRACTOR CONTRACT	TO A DESCRIPTION OF THE PARTY O			Topograph and the second secon					CONTRACTOR OF THE PERSON NAMED IN CONTRA	CONTRACTOR OF THE PROPERTY OF
03000	SURVEY/ LAYOUT	1	LS				\$0.00		\$346.56			\$50.00		\$0.00	\$396.
	SURVEY/ LAYOUT  GENERATOR PAD	1	LS				\$0.00		\$346.56			\$50.00		\$0.00	\$396.5
		0	LS	1.0	LS	\$15.00	<b>\$0.00</b>	\$74.14	\$346.56	0.0		\$50.00		<b>\$0.00</b>	\$396.5
	GENERATOR PAD	0 2		1.0	LS LS	\$15.00		\$74.14 \$74.14		0.0					\$0
03000	GENERATOR PAD  LAYOUT (ABOVE)  FINE GRADE PAD		MH MH	1.0	-	\$15.00	\$0	<u> </u>	\$0			\$0		\$0	\$0
	GENERATOR PAD LAYOUT (ABOVE)		МН	1.0	-	\$15.00	\$0	<u> </u>	\$0			\$0		\$0	\$0
	GENERATOR PAD  LAYOUT (ABOVE)  FINE GRADE PAD	2	MH MH	1.0	-	\$15.00	\$0	<u> </u>	\$0			\$0		\$0	\$396.5 \$0 \$148



#### Intermountain Electric

947 Washington Street San Carlos, CA 94070 Telephone: 650.591.7118 Fax: 650.591.7123 CHANGE ORDER

3

Date:

9/14/2017

Project Name: Project Number: SMAS - Animal Shelt SMAS - Animal Shelt

Page Number:

1

REF:

F & H Construction Contact: Stephen Siebly

# PROPOSED CHANGE ORDER

### **Work Description**

Provide and install a 150KW Generator to include Pad, Trenching, 4 Ballard, Feeders from Gen set to Transfer switch, conduits and cable for fire alrm, tye in to the fire alarm system and remote enunciator To Include costs to upgrade Transfer switch, emergency panels from 30Kw to 150Kw Design is included

No Fencing is inlouded in this proposal Level 2 Acoustical Enclosure is included 275 Gallon tank is included Fuel and electrical testing Includes one full tank

No permits are included

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs. This price is good for acceptance within <u>10</u> days from the date of receipt.

We request a time extension of 3 days.

We will supply and install all materials, labor, and equipment as per your instructions on .

#### Itemized Breakdown

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
3" LOCKNUT - STEEL	2	580.89 C	11.62	12.25 C	0.25
1" CONDUIT - PVC40	255	49.52 C	126.28	5.50 C	14.03
3" CONDUIT - PVC40	145	214.88 C	311.58	12.75 C	18.49
1" ELBOW 90 DEG - PVC40	2	188.22 C	3.76	27.50 C	0.55
3" ELBOW 90 DEG - PVC40	2	1,526.57 C	30.53	85.00 C	1.70
3" COUPLING - PVC	4	361.18 C	14.45	0.00 C	0.00
3" ADAPTER MALE - PVC	2	419.44 C	8.39	35.00 C	0.70
#350 THHN BLACK	634	12,598.11 M	7,987.20	39.38 M	24.97
#1/0 THHN GREEN	145	3,823.62 M	554.42	17.75 M	2.57
1/8" POLYTWINE	255	10.71 M	2.73	3.75 M	0.96
N52 TRAFFIC	1	0.00E	0.00	0.00E	0.00
Trenching 2X4	132	65.00 E	8,580.00	0.10E	13.20
Footing	1	6,500.00E	6,500.00	32.00E	32.00
Grounding	1	95.00 E	95.00	4.50 E	4.50
Fire alrm conection	1	85.00 E	85.00	1.00E	1.00
Remote enunciator	1	25.00 E	25.00	2.35E	2.35
Install generater	1	145.00 E	145.00	64.00E	64.00
Fuel for testing only per gallon	275	4.25 E	1,168.75	0.01 E	2.75
Ballards	4	650.00 E	2,600.00	6.00E	24.00
ATS Install	1	20.00 E	20.00	6.00E	6.00
Credit bacl all emergancy ballasts not needed	-36	35.00 E	-1,260.00	0.45 E	-16.20

### PROPOSED CHANGE ORDER

Intermountain Electric

947 Washington Street San Carlos, CA 94070

F & H Construction

**CHANGE ORDER** 

Date:

9/14/2017

Project Name: Project Number: Page Number:

SMAS - Animal Shelt SMAS - Animal Shelt

REF:

Description	Qty Net Pr	ice U Total Mat	LaborU	Total Hrs.
Totals	1,828	27,009.71		197.80

Summary		
General Materials Gen Set Material Tax	(@ 9.250 %)	27,009.71 60,950.00 8,136.27
Material Total GENERAL FOREMAN JOURNEYMAN 617 FOREMAN 617 SAFETY @ 1%	(39.56 Hrs @ \$140.00) (79.12 Hrs @ \$122.34) (79.12 Hrs @ \$135.20) (1.98 Hrs @ \$76.85)	96,095.98 5,538.40 9,679.54 10,697.02 152.16
<b>Subtotal</b> Markup	(@ 15.000 %)	1 <b>22,163.10</b> 17,104.02
Subtotal Crain/ Gradeall FIRE ALARM Engineering Strctual Engineering Electrical	(\$2,400.00 + 0.000 % + 10.000 % + 5.000 %) (\$1,400.00 + 0.000 % + 10.000 % + 5.000 %) (\$1,250.00 + 0.000 % + 0.000 % + 0.000 %) (\$650.00 + 0.000 % + 0.000 % + 0.000 %)	139,267.12 2,772.00 1,617.00 1,250.00 650.00
Subtotal		145,556.12
Final Amount		\$145,556.12
CONTRACTOR CERTIFICA	TION	
Name: Date: Signature:	s quotation is complete and accurate based on the information provided.	
CLIENT ACCEPTANCE		
CHANGE ORDER: 3 Final Amount:\$145,556.1; Name: Date: Signature: Change Order#:	I hereby accept this quotation and authorize the contractor to complete the above described work.	



Date: May 15, 2017

Intermountain Electric

Subject: San Mateo Animal

Energy Systems is pleased to offer the following proposal for the above listed project, and based on the below 'Bill of Materials'.

#### ITEM A - GENERATOR

Quantity 1 - Generac Industrial diesel engine-driven generator set with turbocharged/aftercooled 6-cylinder 6.7L engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- 150 kW Rating, wired for 277/480 VAC three phase, 60 Hz
- Permanent Magnet Excitation
- · Level 2 Acoustic Enclosure, Steel
  - o Industrial Grey Baked-On Powder Coat Finish
- UL2200
- EPA Certified
- H-100 Control Panel
  - o Meets NFPA 99 and 110 requirements
  - o Temp Range -40 to 70 degrees C
  - Digital Microprocessor:
    - Two 4-line x 20 displays, full system status
    - 3 Phase sensing, +/-0.25% digital voltage regulation
    - RS232, RS485 and Canbus remote ports
    - Waterproof connections
    - All engine sensors are 4-20ma for minimal interference
    - Programmable I/O
    - Built-in PLC for special applications
  - o Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
    - Isochronous Governor, +/-0.25% frequency regulation
    - Full system status on all AC output and engine function parameters
    - Service reminders, trending, fault history (alarm log)
    - I2T function for full generator protection
    - Selectable low-speed exercise
  - HTS transfer switch function monitoring and control
  - 2-wire start controls for any 2-wire transfer switch
- Air Filter Restriction Ind
- 8 Function Alarm Relay Panel

- 21 Light Annunciator Surface
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Batteries, dual-paralleled, with rack, installed
- Coolant Heater, 1500W
- Remote Emergency Stop Switch, Surface-Mount, shipped loose
- 3 Owner's Manuals
- 120V GFCI and 240V Outlet
- Alternator Strip Heater
- Engine Run Relay
- Flex Fuel Line
- Ground Fault Annunciator
- Optional Fan and Belt Guards
- MLCB, 100% rated, LSI Electronic Trip
  - o 225 Amp
  - Shunt trip and Auxiliary Contacts
- Standard 2-Year Limited Warranty
- Vibration spring isolators mounted between sub base tank and gen set skid
- 275 Gallon Double-Wall UL142 Basetank
  - Mechanical fuel level indicator gauge
  - o Electronic fuel level sender
  - o Normal & Emergency Vent
  - o 5 gallon fuel fill spill

#### ITEM B - AUTOMATIC TRANSFER SWITCH

Quantity 1 - HTS Series Automatic Transfer Switch consisting of the following features and accessories:

- 300 Amp, 4 Pole, 277/480 VAC three phase, 60 Hz, with RS-485 communications link to generator set-mounted controller for switch operation
- Signal Before Transfer contacts
- Double set of Auxiliary Contacts
- UL1008 Listed, CSA Certified
- NEMA 1 Enclosure
- Std set of 3 Manuals
- 2-Year Basic Warranty

#### Freight & Labor

- Freight all items FOB Job site off loading by others
- Field start-up and testing conducted by a factory certified technician.
- Witness fuel tank pressure testing at site is included.
- Start-up to be conducted using building load and portable load bank per NFPA 110.
- Start-up and testing is limited to (1) day on site, performed during normal business hours Monday thru Friday, excluding holidays.
- Unless specifically stated in our proposal, on-site training will be conducted the same day as start-up.
- For systems testing, we require free, clear, unimpeded access to the generator, ATS, and switchgear.
- Two-hour load bank testing is proposed; testing will be with a resistive load bank. Access within 50' of the generator must be provided for the load bank. Additional distance must be identified for proper cable length and cost to be supplied to the project.

Total Price: FOB Jobsite without Tax

\$60,950.00

Optional:

Combination diesel particulate filter/critical grade silencer
Carb Level 3 certified passive filter
(DPF to be mounted to roof of enclosure)
Installation contractor to provide terminations and mounting
Net Additional Amount
\$19,850.00

Fuel & Taxes are not included in the above pricing.

#### NOTES:

- Verbal information used for design assist project. Specifications only used for guideline not followed or included in bill of materials.
  - o Cross referenced sections not specifically provided and/or clarified in writing are not included
  - o Equipment will be supplied as submitted
  - o There will be variations in the equipment from the "concept" contract documents. It is not the responsibility of Energy Systems to design, engineer or to provide construction coordination with other trades.
- Submittal Request: lead-time 2-3 weeks from receipt of "purchase order" depending on level of project complexity
  - o "Hold for approval" no equipment will be ordered without written release to proceed
  - "For record" all equipment will be immediately ordered and released for production based on our quoted BOM
- Delivery: Delivery of equipment is on the order of 12-14 weeks from receipt of approved submittals and receipt of complete and necessary technical information; subject to factory workload at time of order
- Written release required prior to production.
- o Terms and conditions described in any purchase order and/or contract are incorporated only to the extent that such are consistent with the terms and conditions attached.
- Not included: Exhaust System Backpressure Test, Exhaust Emissions Test, Infrared Scanning, NETA testing, Harmonic Testing, Concrete pad, Off-loading, Anchoring, Installation, Fuel Pipe, Fuel, Exhaust pipe, Pipe insulation, Signage and Permits
- Not included: any required stairs/ platforms required to gain access/ entry into the enclosure, nor to maintain any NEC clearances as it relates to circuit breaker handle height
- o Factory witness testing is not included; but can be provided upon request.
- o Generator breakers rated for maximum output of generator

#### Sincerely,

#### Tony Arroyo

Sales
Energy Systems
925.413.0901
tarroyo@espowergen.com

#### Acceptance of Quote

Purchase orders for equipment or services on this quotation indicates acceptance of the conditions of sale listed above.

Please return a signed copy of this quote as acknowledgement of receipt.

Print Name			

Date

DocuSign Envelope ID: 0F832ECA-1DB7-4EBD-BB43-D44F9394DE9F

Sign Name



#### Terms and Conditions

#### Not Included

- o Installation: Energy Systems is an equipment supplier only. Items noted are "shipped loose" for contractor installation including any required interconnecting piping or to customer connection points.
- Fuel No fuel is included in this proposal.
- Permits: Any and all permit applications or costs including but not limited to local City, County, State and AQMD. Energy Systems will provide information as requested for use with permit application but assumes no responsibility or obligation to apply for or obtain subject permits unless specifically included in our proposal. Energy Systems has provided equipment that to the best of our knowledge complies with all local, state and federal requirements.
- o Emission permitting and compliance testing and related costs. To the best of our knowledge this equipment meets all current emission standards for PM and NOx. A permit to operate this engine may require a "Risk Screen Analysis" to determine maximum cancer risk at the final installation site. Results of this test may require the addition of exhaust after-treatment devices. This equipment is not included unless specifically called out in our bill of material.
- o Testing: Any and all associated testing, inspection, equipment, and certifications requested or required to be performed by a third party including circuit breaker coordination, system commissioning or building load testing. Building commissioning exercises' typically involve concurrent integrated mechanical, electrical and control systems testing. Our participation in these events can only be quoted separately on a time and material basis.
- o IBC seismic certifications are not included unless called out in our bill of material
- Selective Breaker Coordination NEC700, 701 Customer must provide a copy of the coordination study listing the manufacture's
  part number of the disconnect device to be supplied with the generator, a revised quote will be issued to supply this alternate
  device(s).
- Additional items that may be required by local utility for interconnection and parallel operation
- o Electrical, Mechanical, Civil, and Structural professionally engineering services
- o Engineering services other than supply of Factory standard drawings, equipment cut-sheets and controls per quoted scope of supply
- o Startup and Commissioning service charges other than as noted in the quoted scope of supply. Additional field or shop labor including travel costs to/from the jobsite will be quoted and charged separately at time of requested services.
- o Balance of plant equipment, controls, and monitoring except as quoted

#### Commercial Terms and Conditions

- o Terms and Conditions described in any Purchase Order or Contract are incorporated only to the extent that such are consistent with the terms and conditions hereof.
- o Seller reserves the right to accept or reject this order
- o Payment: Payment in full prior to shipment unless credit is approved. Credit approval contingent upon receipt of completed Energy Systems business credit application, signed terms and conditions, and prelim notice information (www.espowergen.com/specs-forms/). Net 30 days on delivery of material or labor completed. One and one half percent (1.5%) interest will apply on past due accounts 18% per annum.
- o Taxes: are not shown or included but will be added as necessary
- o Validity: Above quote valid for 60 days
- o Price: Escalation charges may apply to orders awaiting release of "hold for approval" submittals longer than 90 days
- o Cancellation: Charges of 10% after accepted order, tiered escalation to 50% 4 weeks prior to factory ship date, 90% thereafter
- Freight: FOB jobsite off loading, storage and protection of this equipment at the jobsite is not included. Equipment cannot be stored by Energy System or its suppliers without prior arrangement. Seller's responsibility for shipments cease upon delivery to the Transportation Company. Any claims for shortages, delays or damages occurring thereafter shall be made directly by the purchaser to the transportation company. Any claims against the seller for shortages in shipments shall be made within Ten (10) days of receipt of shipment.
- o Warranty: Standard manufacturer's warranty applies to the above listed equipment. Extended warranty service contracts may be available and are listed above if included.
- o Acceptance: Once accepted this order shall become a binding contract but is subject to strikes, lockouts, accidents, fire, delays in manufacture or transportation, acts of God, embargoes, or government actions. These causes beyond the control of the seller shall absolutely absolve the seller from any liability to the purchaser under the terms hereof.
- Contracts: Penalty or liquidated damages clauses for failure to meet shipping dates are not acceptable or binding on Energy Systems.
- o Title: It is understood and agreed that title to and possession of subject equipment shall remain vested in seller until all obligations and payments due from purchaser to seller have been paid in full.



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 5

Date: 11/30/2017

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Revised HVAC System to 3 Zone DX System

8001 Revised HVAC System to 3 Zone DX System

\$464,164.33

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

Assistant Director

4/16/2020

--- DocuSigned by:

Date

Scott Gurley

-DocuSigned by:

Robert Hennessy
—AB3B77D60A0D483...

\$464,164.33

-DocuSigned by:

Sam (in —EE1B7F4B372C432...

\$464,164.33

See Change Request 8001

The original Contract A	mount was	· · · · · · · · · · · · · · · · · · ·		\$19,699,197.00
Net change by previous	ly authorized Ch	ange Orders		\$300,450.69
The Contract Amount p	rior to this Chang	ge Order was		\$19,999,647.69
The Contract will be inc	\$464,164.33			
The new Contract Amou	unt including this	Change Order will be		\$20,463,812.02
The Contract Time will t	220 SA SA	95 days. If the date of this Change Order the	erefore is 7/26/2019	
	- E	FH CONSTRUCTION		
ARCHITECT	*	CONTRACTOR PO BOX 2329 LODI, A 95241	OWNER	
<i>→</i>	3 .	Attoh Seilely	See C	hange Request 8001
(Signature)		(Signature)	(Signature	)
				hange Request 8001
Bv		By /	Bv	:



## Change Request

To: Robert Hennessy

Jacobs

Number: 8001

Date: 7/18/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Revised HVAC System to 3 Zone DX System

Reason: Design Change

Initiated by: Theresa Yee (San Mateo County)

Source: Proposal Request

We are pleased to offer the following specifications and pricing to make the following changes:

Based on contract documents, DBE's original scope was to provide two evaporative cooling units for the animal holding areas. After further review by the County and PHS, a directive was given to change the HVAC system for the animal holding areas to a three zone DX cooling system (Letter 5466 - 002). CR 8001 includes Mechanical and Designers costs to Design, Furnish and Install the revised three zone DX System as a LS cost. Construction costs and winter and construction delay impacts resulting from design revisions will be addressed as an ROM cost within final Change Order. Costs will be identified in an itemized spreadsheet and billed accordingly in the monthly payment application. The ROM cost is unknown and may exceed the estimated cost, DBE will promptly advise owner upon reaching 75% of maximum amount to increase funds. Remaining budget in the ROM fund will be returned to the owner at the completion of the project by deductive change order.

Adjustments for contract time is 41 Working Days for the extended design coordination, 5 Working Days additional scope of work, and an estimated 20 Working Days for weather/construction impacts. Weather Impacts are included in the ROM costs and will be identified as they occur during construction.

Please see attached spreadsheets for LS costs and ROM costs.

			All and the second seco					
Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price	
1-020	Revise Zoning of HVAC System	*				\$(107,000.00)	\$(107,000.00)	
1-042	F&H Design Coordination & Time Impact					\$45,434.00	\$45,434.00	
1-200	LDA - Coordination & Design				\$25,320.00		\$25,320.00	
15-500	HVAC - Coordination & Design				\$11,400.00		\$11,400.00	
15-500	HVAC - Furnish & Install				\$232,165.30		\$232,165.30 >	
16-100	Electrical - Furnish & Install				\$45,779.00		\$45,779.00 v	
1-950	ROM Cost - HVAC Revision ~					\$178,795.06	\$178,795.06	
	Land Control of the C					Subtotal:	\$431,893.36	
			Markup - Subco	ntractor (5%)	\$314,664.30	5.00 %	\$15,733.22	
		12	Markup - Direc	ct Cost (15%)	\$45,434.00	15.00 %	\$6,815.10	
	*			BIT	\$360,098.30	2.70 %	\$9,722.65	
						Total:	\$464,164.33	

ROM

25/

OK. Sawl-1/29/17

POBERT J. HENNESSY P.E

Page 1 of 2

F+H Daniel

11/30/17



# Change Request

To: Robert Hennessy Jacobs Number: 8001 Date: 7/18/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Please note that FH CONSTRUCTION will require an extra 92 days to complete this work.

If you have any questions, please contact me at .

Submitted by:

Approved by: SEE PAGE 1

## Commitment CO Entry by Change Order

FH CONSTRUCTION Date: 11/30/2017

Cost Reference
Commitment Vendor Extra Code Cat Number Description Amount

ANIMAL SHELTER REPLACEMENT (10-16-5466) Change Order Number: 5 Revised HVAC System to 3 Zone DX System
Change Request No. 8001 Internal: No

Scope:

Based on contract documents, DBE's original scope was to provide two evaporative cooling units for the animal holding areas. After further review by the County and PHS, a directive was given to change the HVAC system for the animal holding areas to a three zone DX cooling system (Letter 5466 - 002). CR 8001 includes Mechanical and Designers costs to Design, Furnish and Install the revised three zone DX System as a LS cost. Construction costs and winter and construction delay impacts resulting from design revisions will be addressed as an ROM cost within final Change Order. Costs will be identified in an itemized spreadsheet and billed accordingly in the monthly payment application. The ROM cost is unknown and may exceed the estimated cost, DBE will promptly advise owner upon reaching 75% of maximum amount to increase funds. Remaining budget in the ROM fund will be returned to the owner at the completion of the project by deductive change order.

Adjustments for contract time is 41 Working Days for the extended design coordination, 5 Working Days additional scope of work, and an estimated 20 Working Days for weather/construction impacts. Weather Impacts are included in the ROM costs and will be identified as they occur during construction.

Please see attached enreadsheets for LS costs and ROM costs

45,779.00	Electrical - Furnish & Install	S	16-100	spreadsheets for LS costs and ROM costs. INTERMOUNTAIN ELECTRIC COMPANY	ase see attached s 52290	Plea 5466.01
232,165.30	HVAC - Furnish & Install	S	15-500	FRANK M BOOTH INC	44550	5466.02
11,400.00	HVAC - Coordination & Design	S	15-500	FRANK M BOOTH INC	44550	5466.02 DB
25,320.00	LDA - Coordination & Design	s	1-200	LDA PARTNERS	57695	5466.03 DB
314,664.30	Change Order 5 total					



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.02 DB

Change Order: 1

Date: 11/30/2017

To Contractor:

FRANK M BOOTH INC

POBOX5

MARYSVILLE, CA 95901

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

Revised HVAC System to 3 Zone DX System

\*DESIGN PHASE\*

Replace RFP Evaporative Cooled Units: (2) original evaporative cooled units were replaced with DX units. County decided to re-zone and utilize (3) DX units in total.

	Cost		Change		
Extra	Code	Cat	Request	Description .	Amount
	15-500	S	8001	HVAC - Coordination & Design	\$11,400.00



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401

To Contractor:

FRANK M BOOTH INC

POBOX5

MARYSVILLE, CA 95901

Subcontract: 5466.02 DB

Change Order: 1

Date: 11/30/2017

The original Contract Amount was	\$135,000.00	)
Net change by previously authorized Change Orders	\$0.00	)
The Contract Amount prior to this Change Order was	\$135,000.00	)
The Contract will be increased by this Change Order in the amount of	\$11,400.00	)
The new Contract Amount including this Change Order will be	\$146,400.00	)
The Contract Time will be unchanged.		

The date of Substantial Completion as of the date of this Change Order therefore is

**FH CONSTRUCTION** CONTRACTOR PO BOX 2329

LODI, CA 95241



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.02

Change Order: 1

Date: 11/30/2017

To Contractor:

FRANK M BOOTH INC

POBOX5

MARYSVILLE, CA 95901

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time. Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays , subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

Revised HVAC System to 3 Zone DX System

Replace RFP Evaporative Cooled Units: (2) original evaporative cooled units were replaced with DX units. County decided to re-zone and utilize (3) DX units in total.

	Cost	0.1	Change	w	
Extra	Code	Cat	Request	Description	Amount
	15-500	S	8001	HVAC - Furnish & Install	\$232,165.30

The original Contract Amount was	\$3,238,000.00
Net change by previously authorized Change Orders	\$0.00
The Contract Amount prior to this Change Order was	\$3,238,000.00
The Contract will be increased by this Change Order in the amount of	\$232,165.30
The new Contract Amount including this Change Order will be	\$3,470,165.30
The Contract Time will be unchanged	

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

**FH CONSTRUCTION** CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

Danie Hoff

By

11/30/17



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.01

Change Order: 2

Date: 11/30/2017

To Contractor:

INTERMOUNTAIN ELECTRIC COMPANY 947 WASHINGTON STREET

SAN CARLOS, CA 94070

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

Revised HVAC System to 3 Zone DX System

Electrical Scope - Design, furnish, and install all materials, labor, and equipment for revised HVAC System to 3 Zone DX System

	Cost		Change		
Extra	Code	Cat	Request	Description	Amount
	16-100	S	8001	Electrical - Furnish & Install	\$45,779.00

	A	<b>\$0.400.050.00</b>
The original Contract Amount was		\$2,482,359.00
Net change by previously authorized Change Orders		\$145,556.12
The Contract Amount prior to this Change Order was	10. C	\$2,627,915.12
The Contract will be increased by this Change Order in the amount of		\$45,779.00
The new Contract Amount including this Change Order will be		\$2,673,694.12
The Control Time will be supplied and		

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

Signature)

Daniel Hoff

By

11/30/17



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.03 DB

Change Order: 2

Date: 11/30/2017

To Contractor:

Cost

LDA PARTNERS 4 SOUTH CENTRAL COURT

STOCKTON, CA 95204

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

Revised HVAC System to 3 Zone DX System

Replace RFP Evaporative Cooled Units: (2) original evaporative cooled units were replaced with DX units. County decided to re-zone and utilize (3) DX units in total. Architectural, Structural and Civil Design; Architectural, Structural, Civil, MEP Coordination.

	0031		Onlange			
Extra	Code	Cat	Request	Description		Amount
	1-200	S	8001	LDA - Coordination & Design	r	\$25,320.00
The	original Co	ntract Amo	unt was			\$885,000.00
Net	change by	oreviously	authorized Chang	ge Orders		\$613.00
The	Contract Ar	mount prior	r to this Change C	Order was		\$885,613.00
The	Contract wi	II be increa	ased by this Chan	nge Order in the amount of		\$25,320.00
The	new Contra	ct Amount	including this Ch	ange Order will be		\$910,933.00
The	Contract Ti	me will be	unchanged.			
The	date of Sub	stantial Co	ompletion as of th	e date of this Change Order therefore is		

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

Signature) Hoff	
(Signature)	
Daniel Hoff	
Bv	
11/30/17	



SCOPE:

LS COSTS - REVISED HVAC SYSTEM TO 3 ZONE DX SYSTEM SAN MATEO COUNTY ANIMAL SHELTER

SPEC. No.	DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
	OWNER ALLOWANCE					
	REVISE ZONING OF HVAC SYSTEM	1	LS	-\$107,000.00	-107,000	
01000	DIVISION 1 - GENERAL CONDITIONS					
	SCHEDULE					
01200	DESIGN (5/17/17 - 7/14/17)	41	DAYS			WORKING DAYS IF NTP 7/14/17
01200	F&H DESIGN EXTENDED OVERHEAD	41	DAYS	\$750.00	30,750	WORKING DAYS IF NTP 7/14/17
01200	LDA PARTNERS	1	LS	\$25,320.00	25,320	
01200	FRANK M BOOTH	ı	LS	\$11,400.00	11,400	
	CONSTRUCTION	25	DAYS			
	F&H CONSTRUCTION EXTENDED OVERHEAD (SCOPE)	5	DAYS	\$2,936.80	14,684	WORKING DAYS
TIA #002	DAYS ADDED TO CONTRACT SCHEDULE (DESIGN)	41	DAYS			WORKING DAYS IF NTP 7/14/17
TIA #002	DAYS ADDED TO CONTRACT SCHEDULE (CONSTRUCTION)	25	DAYS			WORKING DAYS IF NTP 7/14/17
TIA #002	TOTAL IMPACT (REF. TIA #002)	95	DAYS			CALENDAR DAYS
	DIVISION 15 - MECHANICAL					
15800	HVAC	1	LS	\$232,165.30	232,165	FRANK M BOOTH
	DIVISION 16 - MECHANICAL					
16000	ELECTRICAL	1	LS	\$45,778.86	45,779	INTERMOUNTAIN ELECTRIC
	TESTING				BY OWNER	×
	SUB - TOTAL OF ALL ABOVE	253,098				
	MARKUP - SUBCONTRACTOR (10%)				15,733	
	MARKUP - DIRECT COST (15%)				6,815	
	BIT (2.7%)			0	9,723	
	TOTAL				285,369	



SCOPE:

ROM COSTS - REVISED HVAC SYSTEM TO 3 ZONE DX SYSTEM

SAN MATEO COUNTY ANIMAL SHELTER

oppo N	PROGRAMMON	QUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
SPEC, No.	DESCRIPTION	QUARTITI	MEASURE	OMIT COST	AMOUNT	NOTES
	DIVISION 4 - MASONRY					
04220	MASONRY	216	O.P.	00.50	2.052	
05515	DECREASE 10' DIVIDING WALL TO 8' < DEDUCT>	-216	SF	\$9.50	-2,052	
	DIVISION 5 - METALS					
05500	MISC METAL	1	LS	\$2,500.00	2,500	
05515	ACCESS LADDER	0	LS	\$1,500.00	0	
	DIVISION 6 - WOODS, PLASTICS & COMPOSITES					
06130	WALL FRAMING	1	LS	\$10,000.00	10,000	
06135	ROOF CURB	1	EA	\$500.00	500	
06135	PARAPET WALL FRAMING	200	LF	\$10.00	2,000	
06190	ROOF FRAMING - TRUSS	1	LS	\$55,000.00	55,000	
	DIVISION 7 - THERMAL MOISTURE PROTECTION	,				
07200	SOUND PROOFING INSULATION	108	LF	\$5.00	540	
07310	SHINGLE ROOFING <deduct></deduct>	-2,448	SF	\$7.25	-17,748	
07460	CEMET BOARD SIDING	1,066	SF	\$7.50	7,995	
07530	TPO ROOFING W/ INSULATION	2,350	SF	\$14.05	33,018	
	WALKWAY PADS	25	LF	\$15.00	375	
07620	SHEET METAL & FLASHING	200	LF	\$9.50	1,900	
07620	ROOFING SPECIALTIES - DRAINAGE	2	EA	\$1,000.00	2,000	
07920	CAULKING & SEALANTS	600	LF	\$3.50	2,100	
	DIVISION 9 - FINISHES					
09210	ACCESS PANEL/ ROOF ACCESS	1	EA	\$850.00	850	
01000	DIVISION 1 - GENERAL CONDITIONS					
	SCHEDULE					
	F&H CONSTRUCTION EXTENDED OVERHEAD (WEATHER)	20	DAYS	\$2,936.80	58,736	WORKING DAYS
	TESTING				BY OWNER	
	SUB - TOTAL OF ALL ABOVE				157,714	
	BUILDERS RISK INSURANCE				1,252	
	LIABILITY INSURANCE		BIT = 2.7%			
	PAYMENT & PERFORMANCE BOND	1,609	D11 - 2.170			
	CONTRACTORS FEE (15%)	16,254				
					V .	
	TOTAL				178,795.06	





10 October 2017

Mr. Daniel Hoff Project Manager F&H Construction 1115 East Lockeford Street Lodi, CA 95240

Re:

San Mateo Animal Shelter – HVAC Redesign

Dear Daniel:

Listed below are additional hours expended by our team for the HVAC redesign for the San Mateo Animal Shelter.

Change Summary		LDA Partners							
Project:	s	San Mateo Animal Shelter							
Reference:	HVAC Redesign								
Name		Rate	Hours	Cost					
Eric Wohle	Prinicpal	\$ 200.00	26.5	\$ 5,300.00					
Carolyn Natividad	Project Architect	\$ 175.00	55	\$ 9,625.00					
Ramiro Rivas	Drafting	\$ 135.00	77	\$ 10,395.00					
Total	- 03			\$ 25,320.00					

If you have any questions, please let me know.

Cordially,

Eric W. Wohle, A.I.A., LEED ap

Partner



4220 Douglas Blvd. Granite Bay CA 95746 TEL (916) 784-0777 FAX (916) 784-0707 CA License No. 793419

30-Oct-17

F&H Construction 1115 E Lockeford St Lodi, CA 95240

Attention:

**Daniel Hoff** 

Reference:

San Mateo Animal Shelter

FMB Job No. 1704

Subject:

Change Proposal Request

FMB C/O # 90-000-01

General Contractor

Attached and below is the narrative and pricing for the above referenced change order.

(Cost of construction including GC's & OH&P)

\$ 223,235.87

(Engineering Lump Sum Fee)

\$ 8,929.43

Please forward written change order at your earliest convenience or call with any questions.

Sincerely,

FRANK M. BOOTH, INC

Eric Durbin

Estimating/Pre-Construction

Attachment:

CC:

Linda Booth

Job File



The following narrative recaps the major scope changes included in this quotation.

**Replace RFP Evaporative Cooled Units:** (2) original evaporative cooled units were replaced with DX units. County decided to re-zone and utilize (3) DX units in total.



#### SCOPE CHANGE COST SUMMARY

Project:	San Mateo Animal She	lter		Date:		10/30/2017
Job#		704		Prepared By:		Eric Durbin
FMB No.:	90-000			riepareu by.		LIIC DUIDIII
Scope:	Replace Direct MAU's with DX A					
осоре.	Replace Direct MAC 3 With DA A	103				
Labor:				<u>Hours</u>		Extended
	m Labor Recap Sheets			137	\$	16,257.75
Markup			15.00%		\$	2,438.66
				Labor Total	\$	16,257.75
Material & Equipn	nent:					
Direct Material					\$	152,730.00
Sales Tax			9.25%		\$	14,127.53
Sub-Total Materia	Ī				\$	166,857.53
Markup			15.00%		\$	25,028.63
			Total Mater	rial & Equipment	\$	191,886.15
Other Costs:						
	, Rental (Per labor hr., excl. detailing & delivery)		\$83.89	3.00	\$	251.67
Consumables (Per F			3%			474.55
	Warranty (Per Field labor \$)		2%			316.37
	or GF and Foreman Hours unless overridden		\$14.00	47.26	\$	661.64
	pense (Per field labor hr.)		\$1.25	133.11	\$	166.39
Direct Equipment F	Rental (see recap)				\$	-
Other					\$	
Sub-Total Other C	Costs				\$	1,870.62
Markup			15.00%		\$	280.59
			etcher de I	otal Other Costs	\$	2,151.21
TALES ASSESS		То	tal FMB Self	Performed Work	\$	210,295.11
Subcontracted W	ork:					
Controls					\$	6,500.00
Insulation					\$	-
Balance					\$	675.00
Fire/Acoustical Car	ulking				\$	-
Water Treatment					Ψ	4 500 00
Rigging					\$	1,500.00
Excavation Misc Other Subs					\$	1,080.00
Sub-Total Subcor	atropted Coata				\$	9,755.00
Markup	itracted Costs		10.00%		\$	975.50
the Republication of the Repub				contracted Costs		10,730.50
Cost Recap	2					
<b>Total Constructio</b>	n Cost:				\$	221,025.61
Bond Premium			1%		\$	2,210.26
Sub-Total Constr	uction Cost				\$	223,235.87
Engineering Fee's	s for the above		4.0%		\$	8,929.43
11						
Subtotal					\$	232,165.30
OCCIP Deduct			0.0%		\$	-
<b>Total Change Red</b>	quest				\$	232,165.30

The price quoted for the above described Scope Change is subject to the following conditions:

- (1) A direction to proceed by the Contractor will entitle us to progress payments for Work covered above.
- (2) If this change decreases, extends, or otherwise affects our completion time, our cost of performance will thereby increase. We reserve all rights to recover these added costs and rely on Contractor to keep us fully informed regarding changes in the completion time.

V-114 F--- 00 D---



Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout	-	N/A	-	-	- 1	*
Shop Productive Hours	3.00		3.00	3.00		-
Field Productive Hours	50.00	-	50.00	50.00	-	

		Shee	t Metal Crew Mix					
	General				Total Crew	ST Crew Mix	1.5x Crew	2.0x Crew Mix
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	Rate
Detailing/Layout			1 Emiliant		1	\$ 131.42	\$ -	\$ -
Shop Crew	the state of the s		1 2	1	4	\$ 112.47	\$ -	\$ -
Field Crew			1 2		3	\$ 123.50	\$ -	\$ -

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x R	ate	Total	Labor \$
General Foreman		N/A		\$	135.40		\$			\$	1 -	\$	-
Foreman		N/A	8.0	\$	131.42		\$	-		\$	-	\$	98.57
Journeyman		N/A	1.5	\$	119.54		\$	-		\$	-	\$	179.31
Apprentice		N/A	8.0	\$	79.36		\$	-		\$	-	\$	59.52
Sutotal Productive Hou	ırs		3.0	1.0								\$	-
General Foreman	Supervision	10.00%	0.3	\$	135.40		\$	-		\$	-	\$	40.62
Foreman	Safety	3.00%	0.1	\$	131.42		\$	-		\$	-	\$	11.83
Foreman	QA/QC	5.00%	0.2	\$	131.42		\$	-		\$	- 2	\$	19.71
Apprentice	Cleanup	5.00%	0.2	\$	79.36		\$	-		\$	- 2	\$	11.90
Apprentice	Delivery	7.50%	0.2	\$	79.36		\$	-		\$	-	\$	17.86
N/A	Subsistence												
Totals		Total ST Hrs	3.92	Total	1.5x Hrs		rotal	2.0x H	re	+	-	\$	439.32

Field Dryside Labor Ra	ite Table												
Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	ate	Tota	l Labor \$
General Foreman		N/A		\$	135.40		\$	-		\$	-	\$	-
Foreman		N/A	16.7	\$	131.42		\$	-		\$	-	\$	2,190.41
Journeyman		N/A	33.3	\$	119.54		\$	-		\$	2	\$	3,984.59
Apprentice		N/A		\$	79.36		\$	-		\$	-	\$	-
Sutotal Productive Hou	ırs		50.0									\$	-
General Foreman	Supervision	10.00%	5.0	\$	135.40		\$	2		\$	-	\$	676.99
Foreman	Safety	3.00%	1.5	\$	131.42		\$ .	-		\$	-	\$	197.14
Foreman	QA/QC	5.00%	2.5	\$	131.42		\$	-		\$	-	\$	328.56
Apprentice	Cleanup	5.00%	2.5	\$	79.36		\$	- 51		\$		\$	198.41
Apprentice	Delivery	7.50%	3.8	\$	79.36		\$	-		\$	-	\$	297.61
N/A	Subsistence												
Totals		Total ST Hrs	65.25	Total	1.5x Hrs		Fotal	2.0x H	ra			\$	7,873.70



## DRYSIDE ESTIMATE WORKSHEET

San Mateo Animal Shelter

**DATE** 10/30/17

20	^	20		11
90	-U	UU	J-(.	) 1

30-000-01										
	QTY.		MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
								HOURS	HOURS	HOURS
Remove MAU Direct Evap Cool, gas fired	-2	ea	32,000.00			26.00	-\$64,000			-52.00
mounting above/spring curb		ea	8,500.00			16.00				-3:
sa/ra flex connections	-2	ea	150.00		0.75	2.00	-\$300		-2	
Add DX/Gas Fired units	3	ea	71,800.00			26.00	\$215,400			78
mounting above/spring curb		ea	4,000.00			16.00	\$12,000			4
sa/ra flex connections		ea	150.00		0.75	2.00	\$900		5	12
A										
			-							
									10.	
									*	
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			-			-				-

TOTAL

\$147,000

50

Job Name: San Mateo Animal Shelter

Field Local Union:

Local 104 Dist 2

Shop Local Union:

Local 104 Dist 2

## DRYSIDE WAGE BREAKDOWN WORKSHEET

## **ESTIMATED PROJECT SCHEDULE (SIX MONTH PAY PERIODS)**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Total
Months/Per (Field)	0	6	6	0	0	0	12
Months/Per (Shop)	0	6	6	0	0	0	12

# HOURLY LABOR RATES WITH FRINGES (PER UNION CONTRACT)

## **STRAIGHT TIME**

420.40			July 19	Jan 20	July 20	Average
130.19	135.40	135.40	140.81	140.81		\$135.40
126.37	131.42	131.42	136.68	136.68		\$131.42
114.94	119.54	119.54	124.32	124.32		\$119.54
76.31	79.36	79.36	82.54	82.54		\$79.36
130.19	135.40	135.40	140.81	140.81	67	\$135.40
126.37	131.42	131.42	136.68	136.68		\$131.42
114.94	119.54	119.54	124.32	124.32		\$119.54
76.31	79.36	79.36	82.54	82.54		\$79.36
	126.37 114.94 76.31 130.19 126.37 114.94	126.37     131.42       114.94     119.54       76.31     79.36       130.19     135.40       126.37     131.42       114.94     119.54       76.31     79.36	126.37         131.42         131.42           114.94         119.54         119.54           76.31         79.36         79.36           130.19         135.40         135.40           126.37         131.42         131.42           114.94         119.54         119.54           76.31         79.36         79.36	126.37     131.42     131.42     136.68       114.94     119.54     119.54     124.32       76.31     79.36     79.36     82.54       130.19     135.40     135.40     140.81       126.37     131.42     131.42     136.68       114.94     119.54     119.54     124.32       76.31     79.36     79.36     82.54	126.37         131.42         131.42         136.68         136.68           114.94         119.54         119.54         124.32         124.32           76.31         79.36         79.36         82.54         82.54           130.19         135.40         135.40         140.81         140.81           126.37         131.42         131.42         136.68         136.68           114.94         119.54         119.54         124.32         124.32           76.31         79.36         79.36         82.54         82.54	126.37     131.42     131.42     136.68     136.68       114.94     119.54     119.54     124.32     124.32       76.31     79.36     79.36     82.54     82.54       130.19     135.40     135.40     140.81     140.81       126.37     131.42     131.42     136.68     136.68       114.94     119.54     119.54     124.32     124.32       76.31     79.36     79.36     82.54     82.54

## 76.31 92.82213 92.8221 96.53501 96.535

## **OVERTIME**

						No. Co. Co. Co.	
UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman							\$0.00
Field Journeyman							\$0.00
Field Apprentice		18					\$0.00
Shop General Foreman							\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00

## **DOUBLE TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman	y.					7	\$0.00
Field Journeyman		1					\$0.00
Field Apprentice						1	\$0.00
Shop General Foreman							\$0.00
Shop Foreman					E		\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00



Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performe on 2.0x
Detailing/Layout	-	N/A	-	-		
Shop Productive Hours	-	-	-	-		
Field Productive Hours	-	-	-	-		

	Piping Crew Mix										
	General		BUILDING TO STREET		Total Crew	ST Crew Mix					
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	2.0x Crew Mix Rate			
Detailing/Layout		Tetransie 1	THE PERSON NAMED IN		1	\$ 124.16	\$ -	\$ -			
Shop Crew	4400000000	1	2	1	4	\$ 110.72	\$ -	\$ -			
Field Crew	NAME OF STREET	1	2	A STATE OF THE	3	\$ 118.85	\$ -	\$-			

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	ite	Total Labor \$	
General Foreman		N/A		\$	132.10		\$			\$	-	\$	-
Foreman		N/A		\$	124.16		\$	•		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	(-)		\$	-	\$	-
Apprentice	Carrier Carrier	N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Hou	ırs											\$	
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	- 2	\$	- 4
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	
Totals		Total ST Hrs		Total	1.5x Hrs		Γotal	2.0x H	r			\$	-

Field Wetside Labor Ra	ate Table												
Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ght Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	ate	Total Labor	·\$
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$	-		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	-
Apprentice		N/A		\$	86.30		\$			\$	-	\$	-
Sutotal Productive Hou	ırs											\$	-
General Foreman	Supervision	10.00%	25	\$	132.10		\$			\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	=		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	-
Totals		Total ST Hrs		Tota	l 1.5x Hrs		rotal	2.0x H	rs			\$	<u> </u>



# WETSIDE ESTIMATE WORKSHEET

San Mateo Animal Shelter

**DATE** 10/30/17

90-000-01	QTY.	MAT	DET	SHP	FLD	MAT'L	DETAIL HOURS	SHOP HOURS	FIELD HOURS
									er.
· · · · · · · · · · · · · · · · · · ·									
						83	ÿ.		
					20		34		
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		,							

TOTAL

Job Name: San Mateo Animal Shelter

Field Local Union:

District Council 36 LU 467

Shop Local Union:

District Council 36 LU 467

#### WETSIDE WAGE BREAKDOWN WORKSHEET

**ESTIMATED PROJECT SCHEDULE (SIX MONTH PAY PERIODS)** 

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Total
Months/Per (Field)	2	6	6	0	0	0	14
Months/Per (Shop)	2	6	6	0	.0	0	14

# HOURLY LABOR RATES WITH FRINGES (PER UNION CONTRACT)

## **STRAIGHT TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman	127.72	132.83	132.83	138.14	138.14	1	\$132.10
Field Foreman	120.04	124.84	124.84	129.84	129.84		\$124.16
Field Journeyman	112.35	116.84	116.84	121.52	121.52	71	\$116.20
Field Apprentice	83.44	86.78	86.78	90.25	90.25	,	\$86.30
Shop General Foreman	127.72	132.83	132.83	138.14	138.14		\$132.10
Shop Foreman	120.04	124.84	124.84	129.84	129.84		\$124.16
Shop Journeyman	112.35	116.84	116.84	121.52	121.52		\$116.20
Shop Apprentice	83.44	86.78	86.78	90.25	90.25		\$86.30
	88.06	91.5824	91.5824	95.2457	95.2457	99.05552	

#### **OVERTIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman						-	\$0.00
Field Journeyman							\$0.00
Field Apprentice							\$0.00
Shop General Foreman		-					\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00

## **DOUBLE TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman				*			\$0.00
Field Foreman							\$0.00
Field Journeyman							\$0.00
Field Apprentice				1 0			\$0.00
Shop General Foreman			***				\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00



	I	Added Hours		Hours	Harris	Harris
Work Description Category		based on Productivity Factors	Total Hours	Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout	-	N/A	-	-		
Shop Productive Hours	-	(100)	-	-		
Field Productive Hours	52.00	-	52.00	52.00		
Subtotal Productive Hours	52.00			52.00		

		PI	umbing Crew Mix	Κ				
	General				Total Crew	ST Crew Mix	1.5x Crew	
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	2.0x Crew Mix Rate
Detailing/Layout	<b>CONTRACT</b>	THE STREET	1		1	\$ 124.16	\$ -	\$ -
Shop Crew			1 2	The state of the s	4	\$ 110.72	\$ -	\$ -
Field Crew		THE RESERVE TO SERVE	1 2		3	\$ 118.85	\$ -	\$ -

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	ite	Total Labor \$	
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$	-		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	-
Apprentice		N/A		\$	86.30		\$			\$	-	\$	_
Sutotal Productive Hou	ırs					,						\$	_
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$	-	\$	
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	_
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	-	\$	_
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	
													_
Totals		Total ST Hrs	1	Total	1.5x Hrs		Fotal	2.0x H	rs			\$	

Worker Classification	Worker Description	% of . Productive Hrs	Straight Time Hours	Straig	ght Time	1.5x Hours	1.5x	Rate	2x Hours	2x R	ate	Total L	abor \$
General Foreman		N/A		\$	132.10		\$			\$	12	\$	-
Foreman		N/A	17.3	\$	124.16		\$	-		\$	-	\$	2,152.03
Journeyman		N/A	34.7	\$	116.20		\$	-		\$	-	\$	4,028.34
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Ho	urs		52.0									\$	y <b>=</b> .x
General Foreman	Supervision	10.00%	5.2	\$	132.10		\$	_		\$	-	\$	686.91
Foreman	Safety	3.00%	1.6	\$	124.16		\$	-		\$	-	\$	193.68
Foreman	QA/QC	5.00%	2.6	\$	124.16		\$	-		\$	-	\$	322.80
Apprentice	Cleanup	5.00%	2.6	\$	86.30		\$	-		\$	-	\$	224.38
Apprentice	Delivery ·	7.50%	3.9	\$	86.30		\$	-		\$	-	\$	336.57
Totals		Total ST Hrs	67.86	Tota	l 1.5x Hrs		Fotal	2.0x F	lr:			\$	7,944.72



#### PLUMBING ESTIMATE WORKSHEET

San Mateo Animal Shelter

DATE 10/30/17

90				

30-000-01	QTY.		MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
				0.000.000		10000000	*	HOURS	HOURS	HOURS
								l		
Remove NG piping Hookup	-2	ea	1,800.00			18.00	-\$3,600			-36
Remove dcw		ea	600.00			8.00	-\$1,200			-16
Remove CD	-2	ea	280.00			8.00	-\$560			-16
						_				
Add NG piping Hookup		ea	1,800.00		_	18.00				54
Extend NG piping/Hangers		lot	4,850.00			42.00				42
Add CD	3	ea	280.00		-	8.00	\$840			24
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TOTAL

\$5,730

52



# SUBCONTRACTORS ESTIMATE WORKSHEET

Controls		1			
item	location	qty	\$/e		\$
AHU's	roof		\$	18,500.00	\$ -
Zones			\$	1,650.00	\$ -
R/A Zones			\$	1,350.00	\$ -
CHW plant			\$	25,000.00	\$
Boiler			\$	20,000.00	\$ -
Med Gas Alarms			\$	7,500.00	\$ -
EF's			\$	1,500.00	\$
TF's			\$	800.00	\$ -
MRI			\$	5,000.00	\$ -
VRF			\$	7,500.00	\$ 8=
			10		\$ -
Additional AC		1	\$	6,500.00	\$ 6,500.00
					\$ -
				Totals	\$ 6,500.00

Insulation			
item	location qty	\$/ea	\$
AHU's	roof	\$ 18,500.00	\$ -
Zones		\$ 1,650.00	\$ -
R/A Zones		\$ 1,350.00	\$ -
CHW plant		\$ 25,000.00	\$ -
Boiler		\$ 20,000.00	\$ -
Med Gas Alarms		\$ 7,500.00	\$ -
EF's		\$ 1,500.00	\$ -
TF's		\$ 800.00	\$ 
MRI		\$ 5,000.00	\$ 
VRF		\$ 7,500.00	\$ -
			\$ 7
			\$ -
			\$ -
		Totals	\$ -

Balance				
item	location	qty	\$/ea	\$
Reheat Coil			\$90.00	\$ -
Air Outlets			\$40.00	\$ -
Air Handler			\$450.00	\$ -
Add for Return Far	1	3	\$125.00	\$ 375.00
Pachage Units (5 t	tons)	1	\$300.00	\$ 300.00
Exhaust Fans			\$300.00	\$ -
Small Fans		*	\$100.00	\$ -
Pumps			\$300.00	\$ -
Air Handler Coils			\$100.00	\$ -
Boiler			\$200.00	\$ -
Chiller			\$200.00	\$ 
Cooling Tower			\$300.00	\$ -
Expansion Tank			\$150.00	\$ -
Out of town work/p	er night	-	\$200.00	\$ -
Mileage		-	\$0.85	\$ -
Sub Total				\$ 675.00
Labor Add for Bay	Area Wo	rk		\$ -
5)				\$ -
38			Totals	\$ 675.00

Fire/Acoustical C	aulking				
item	location	qty	\$/e	a	\$
AHU's	roof		\$	18,500.00	\$ , -
Zones			\$	1,650.00	\$ _
R/A Zones			\$	1,350.00	\$ -
CHW plant			\$	25,000.00	\$ _
Boiler			\$	20,000.00	\$ -
Med Gas Alarms			\$	7,500.00	\$ 
EF's			\$	1,500.00	\$ -
TF's			\$	800.00	\$ -
MRI			\$	5,000.00	\$ -
VRF			\$	7,500.00	\$ -
					\$ -
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ē:					\$ -
				Totals	\$ <b>H</b>



# SUBCONTRACTORS ESTIMATE WORKSHEET

Controls					
item	location	qty	\$/e	а	\$
AHU's	roof		\$	18,500.00	\$ -
Zones			\$	1,650.00	\$ -
R/A Zones			\$	1,350.00	\$ -
CHW plant			\$	25,000.00	\$ -
Water Treatme	ent				
item	location	qty	\$/e	а	\$
					\$ _
					\$ -
Test	Roof			\$500.00	\$ _
					\$ -
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	7				\$ _
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					\$ -
				Totals	\$ -

		Totals	\$ -
Excavation			
item	location qty	\$/ea	\$ 
			\$ -
			\$ -
Test	Ground	\$200.00	\$ 5.
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		Totals	\$ -

Insulation				
item	location	qty	\$/ea	\$
AHU's	roof		\$ 18,500.00	\$ -
Zones			\$ 1,650.00	\$ . 4
R/A Zones			\$ 1,350.00	\$ -
CHW plant			\$ 25,000.00	\$ -
Rigging				
item	location	qty	\$/ea	\$
				\$ _
				\$ #
Test	Roof	1	\$1,500.00	\$ 1,500.00
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	2			\$ -
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			Totals	\$ 1,500.00

item	location	qty	\$/ea	\$	
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Misc	Misc	1	\$1,080.00	\$	1,080.00
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8.0				\$	-
				\$	-
		6	Totals	\$	1,080.00

# **Equipment Rental Quotation**

Sales Rep:\_\_

		, i	# of Day's	Daily	# of Weeks	Week	# of Months	4 Weeks	IN/OUT REQUIRED	Trucking	TOTAL RENTAL
Code	Equipment	Minimum	Rented	(8 hours)	Rented	(40 hours)	Rented	(28 Days)	(Y/N)	Each Way	CHARGE
1750	Pallet Jacks & Walkie Stackers  Manuel Pallet Jack	other sizes		\$50		\$105		\$165		\$75	\$0
0890	Walkie W40Z	Available		\$61		\$182		\$435		\$75	\$0
0900	Walkie W50Z Rider 48" B60 96" Wide also	W30-80 Call to Add		\$72 \$66		\$193 \$198		\$468 \$479	1	\$75 \$75	\$0 \$0
0940	Electric Sit Down Forklifts	Call to Aud	HOLDER V	400		<b>V</b> 130		<b>V</b> 110			
0540	3,500lb Electric Sit Down Forklift	other sizes		\$149		\$495		\$968		\$75	\$0
	5,000lb Electric Sit Down Forklift 6,000lb Electric Sit Down Forklift	Available		\$160 \$182		\$534 \$545		\$1,029 \$1,309		\$75 \$75	\$0 \$0
0030	Reach Truck & Order Pickers			V102				4.10.00		1	
	Single Reach N30 / N35 N40 N45			\$154		\$440		\$1,293		\$75	\$0
0800	Order Picker R30 Pneumatic Tire Forklift			\$149		\$424		\$1,249		\$75	\$0
	CUSHION TIRE FORKLIFT										
	Accessories & Attachments for Forklifts										-
2875	TELESCOPIC FORKLIFT  19ft, 5,000lb Variable Reach Forklift			\$226		\$660		\$1,469		\$75	\$0
	42ft, 6,000lb Variable Reach Forklift			\$270		\$847		\$1,931		\$75	\$0
2975	42ft, 8,000lb Variable Reach Forklift			\$303		\$919		\$2,151		\$75	\$0
3025	44ft 15,000 Variable Reach Forklift 56ft, 10,000lb Variable Reach Forklift			\$578 \$413	- 1	\$3,190 \$1,089		\$6,160 \$3,157	-	\$75 \$75	\$0
3023	TELESCOPIC ATTACHMENTS			<b>\$110</b>		<b>\$1,000</b>		40,100		1	1000
3050	Truss Boom 12' 2,000LB Capacity			\$66		\$138		\$215		\$75	\$0
3050	Truss Boom 6' Genie 5519 only			\$66 \$77		\$138 \$154		\$215 \$259	-	\$75 \$75	\$0 \$0
	2ft Truss Boom (IR only) 10,000lb capacity CE60			\$94		\$182		\$239		\$75	\$0
3050	CE100			\$94		\$182		\$270		\$75	\$0
3050	Jib Crane w/fork slots 3,000lb			\$83		\$193		\$413		\$75	\$0
3050 3050	Swing Carriage Bucket for Reach Forks 1.75CU Yard			\$105 \$61		\$220 \$242		\$424 \$363		\$75 \$75	\$0 \$0
	MATERIAL LIFTS							9-			
5600	Super Lift 18 and 24' lift, 650lb capacity			\$72		\$171		\$248		\$75	\$0
5650	PLATFORMS/AWP 25-35ft Push-A-Round DC Narrow Platform			\$138		\$303		\$435	4	\$75	\$0
JUUU	SCISSOR LIFTS			\$100		4000					
5675	12ft Vertical Mast Self Propelled Lift			\$110		\$237		\$314		\$75	\$0
5700	15ft Vertical Mast Self Propelled Lift			\$121		\$264 \$275		\$347 \$358		\$75 \$75	\$0
5725 5750	20ft Vertical Mast Self Propelled Lift 19ft Electric Scissor Lift			\$127 \$99		\$275 \$231		\$358 \$319		\$75	\$0
5775	20ft Electric Scissor Lift Powerdeck			\$138		\$325		\$633		\$75	\$0
5825	26ft Electric Scissor Lift, 32* 46*wide			\$138		\$297		\$523		\$75	\$0
	32ft Electric Scissor Lift, 32" wide			\$171 \$149		\$402 \$358		\$902 \$809	-	\$75 \$75	\$0
5900 5875	32ft Electric Scissor Lift, 46" wide 26ft Rough Terrain Scissor Lift, 68" wide	SELF LEVELING		\$149		\$358		\$809		\$75	\$0
5950	32ft Rough Terrain Scissor Lift, 68* wide	RTS SCISSORS		\$204		\$440		\$935	1	\$75	\$0
5975	40ft Electric Scissor Lift, 69* wide	Available		\$259		\$600 \$589		\$1,315 \$1,205		\$75 \$75	\$0 \$0
6000 6025	43ft Rough Terrain Scissor Lift, 90" wide 53ft Rough Terrain Scissor Lift, 90" wide			\$248 \$319		\$765		\$1,203		\$75	\$0
	STRAIGHT BOOMS										
6075	40ft Stick Boom			\$248		\$633		\$1,425	-	\$75	\$0
6100 6125	45ft Stick Boom w/Jib 60ft Stick Boom			\$259 \$319	-	\$655 \$930		\$1,447 \$2,189	-	\$75 \$75	\$0
6150	65ft Stick Boom w/Jib			\$336		\$968		\$2,283		\$75	\$0
	80ft Stick Boom			\$655		\$1,942		\$4,158		\$75	\$0
	85ft Stick Boom w/Jib 125ft Stick Boom w/jib	Call Long Term		\$688 \$1,084		\$2,085 \$3,295		\$4,279 \$9,130	-	\$75 \$75	\$0
6225 6250	135ft Stick Boom W/jib	Big Booms		\$1,004		\$3,740		\$9,790		\$75	\$0
6275	150ft Stick Boom w/jib			\$2,728		\$8,360		\$18,480		\$75	\$0
0050	ARTICULATING BOOMS			\$204		\$605		\$1,491		\$75	\$0
6350	30ft to 34ft Articulating Boom Narrow Electric GR26 BOOM			\$182		\$550		\$1,425		\$75	\$0
6400	40ft Articulating Boom Narrow Electric			\$270		\$726		\$1,491	-	\$75	\$0
6450	45ft Articulating Boom All			\$281		\$743	-	\$1,518 \$2,525	-	\$75 \$75	\$0 \$0
6475 6500	60ft Articulating Boom All 80ft Articulating Boom			\$374 \$743		\$1,007 \$2,745		\$4,780		\$75	\$0
Heel	Bobcat Skid-Steer Loader										
	Bobcat Excavators									-	-
	Bobcat Track Loaders  Bobcat Utility Cart										
	Bobcat Attachments	100's of options			1						
	Skip Loaders and Backhoes							×			
	Large Excavators Wheel Loaders										
	Dump Truck									1	3 - 12-72-
	Water Truck			***		****		£0.7==		477	
5375 5378	2,000 Gallon Water Truck 4,000 Gallon Water Truck			\$220 \$385		\$880 \$1,540		\$2,475 \$4,279	-	\$75 \$75	\$0
5350	500 Gallon Water Wagon			\$94		\$308		\$578		\$75	\$0
	Trenchers					***		41.4			
4900	Walk Behind Trencher	-		\$154 \$303		\$495 \$1,089		\$1,271 \$2,481		\$75 \$75	\$0
4950	RT55 RT40 Ditch Witch Ride On Trencher Rollers			\$303	No. of London	\$1,009		42,40 I	-	413	30
	Small Compaction				1000						
4125 4075	Standard Vib Plate Compactor Reversible Vib Plate Compactor	-		\$83 \$160		\$209 \$385		\$402 \$1,095		\$75 \$75	\$0
-1U/O	Reversible Vib Plate Compactor  Generators		1 TO 1 TO 1 TO 1 TO 1	\$100	1000	9303		41,033		4/0	***
3525	6kw Portable Generator			\$61		\$193		\$391		\$75	\$0
3550	25kw Trailer Mounted Diesel Generator			\$143 \$149	+	\$385 \$413		\$908 \$974	-	\$75 \$75	\$0
3575 3600	35kw dsl, genset generator 45kw Trailer Mounted Diesel Generator	1		\$149		\$413		\$1,210		\$75	\$0
3650	70kw Trailer Mounted Diesel Generator			\$193		\$644		\$1,612	111	\$75	\$0
2005	Welders			****		£30F		\$644	VI TO THE REAL PROPERTY.	\$75	\$0
3925	400 amp Trailer Mounted Welder Light Towers			\$110		\$325		<b>\$044</b>		<b>\$/5</b>	\$0
4625	Message Board (Mini 3 Line)			\$138		\$314		\$655		\$75	\$0
4650	Arrow Board (25 Light)			\$99		\$264		\$501		\$75	\$0
5475	4 Light Tower Portable Trailer Mount Air Compressors			\$99		\$270		\$523		\$75	\$(
3150	185 cfm Portable Diesel Air Compressor			\$105		\$292		\$682		\$75	\$(
3200	375 cfm Portable Diesel Air Compressor			\$204		\$512		\$1,309		\$75	\$(
2775	Miscelaneous Equipment			\$28		\$61		\$94		\$75	\$(
3775 9230	Temp Power Box Trailers			\$28		\$330		\$754		\$75	\$0
	TK40-110 Side Dumps Etc Cell FT500 Fire	CALL									\$0
	Rammers			\$83		\$209		\$402		\$75	\$0
4050	6" & 12" Jumping Jack (rammer)										



4220 Douglas Blvd. Granite Bay CA 95746 TEL (916) 784-0777 FAX (916) 784-0707 CA License No. 793419

30-Oct-17

F&H Construction 1115 E Lockeford St Lodi, CA 95240

Attention:

**Daniel Hoff** 

Reference:

San Mateo Animal Shelter

FMB Job No. 1704

Subject:

Change Proposal Request

FMB C/O # 90-000-02

General Contractor

Attached and below is the narrative and pricing for the above referenced change order.

(Cost of construction including GC's & OH&P)

\$

(Engineering Lump Sum Fee)

11,400.00

Please forward written change order at your earliest convenience or call with any questions.

Sincerely,

FRANK M. BOOTH, INC

Eric Durbin

Estimating/Pre-Construction

Attachment:

CC:

Linda Booth

Job File



The following narrative recaps the major scope changes included in this quotation.

Engineering: Additional engineering for extended design development.



## SCOPE CHANGE COST SUMMARY

Project:	San Mateo Animal Sho	elter	Date:		10/30/2017
Job#		704	Prepared By:		Eric Durbir
FMB No.:	90-000	P1 - 151	Tropurou by.		Ello Baibii
Scope:	Extended Engineering/Rev				
<u>Labor</u> :			<u>Hours</u>		Extended
The state of the s	From Labor Recap Sheets		0	\$	-
Markup		15.00%		\$	
		40	Labor Total	\$	
Material & Equ	ipment:				
Direct Material				\$	, 27 ===21
Sales Tax		9.25%		\$	-
Sub-Total Mate	rial			\$	-
Markup		15.00%		\$	-
		Total Mate	rial & Equipment	\$	•
Other Costs:					
2005 SS 1.65 SS SS	uip., Rental (Per labor hr., excl. detailing & delivery)	\$83.89	0.00	\$	-
Consumables (F	T 100 B 100	3%	\$ -	\$	-
Test, Adjustmer	nt, Warranty (Per Field labor \$)	2%	\$ -	\$	s ====
Subsistence \$14	/Hr for GF and Foreman Hours unless overridden	\$14.00	0.00	\$	-
Safety Supplies	Expense (Per field labor hr.)	\$1.25	0.00	\$	<del>-</del>
	nt Rental (see recap)			\$	-
Other	<u>.</u>			\$	-
Sub-Total Other	er Costs			\$	-
ous rotal ours					
Markup		15.00%	,	\$	-
			otal Other Costs	\$	
		DE PROPERTY.	Control of the Contro	\$	-
		DE PROPERTY.	otal Other Costs	\$	
		DE PROPERTY.	otal Other Costs	\$	
Markup		DE PROPERTY.	otal Other Costs	\$	
Markup Subcontracted		DE PROPERTY.	otal Other Costs	\$ \$ \$ \$	-
Markup  Subcontracted Controls		DE PROPERTY.	otal Other Costs	\$ \$ \$ \$ \$	
Markup  Subcontracted Controls Insulation Balance	Work:	DE PROPERTY.	otal Other Costs	\$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer	<b>Work:</b> Caulking	DE PROPERTY.	otal Other Costs	\$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging	<b>Work:</b> Caulking	DE PROPERTY.	otal Other Costs	\$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation	Work: Caulking	DE PROPERTY.	otal Other Costs	\$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub	<b>Work:</b> Caulking nt	DE PROPERTY.	otal Other Costs	<b>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</b>	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub	Work: Caulking	Total FMB Self	otal Other Costs  Performed Work	<b>\$ \$ \$ \$ \$</b>	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub	<b>Work:</b> Caulking nt	Total FMB Self	otal Other Costs Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup	<b>Work:</b> Caulking nt	Total FMB Self	otal Other Costs  Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup Cost Recap	Work: Caulking nt s contracted Costs	Total FMB Self	otal Other Costs Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup  Cost Recap Total Construct	Work: Caulking Int Scontracted Costs	Total FMB Self	otal Other Costs  Performed Work  contracted Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup  Cost Recap Total Construct Bond Premium	Work: Caulking nt s contracted Costs	Total FMB Self	otal Other Costs  Performed Work  contracted Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup  Cost Recap Total Construct Bond Premium Sub-Total Con	Work: Caulking nt s contracted Costs ction Cost:	Total FMB Self  10.00%  Total Sub	Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup  Cost Recap Total Construct Bond Premium Sub-Total Con	Work: Caulking nt s contracted Costs	Total FMB Self	Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup  Cost Recap Total Construct Bond Premium Sub-Total Con	Work: Caulking nt s contracted Costs ction Cost:	Total FMB Self  10.00%  Total Sub	Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11,400.00
Subcontracted Controls Insulation Balance Fire/Acoustical Water Treatmer Rigging Excavation Misc Other Sub Sub-Total Sub- Markup  Cost Recap Total Construct Bond Premium Sub-Total Con Engineering Fo	Work: Caulking Int S Contracted Costs Stion Cost: In Struction Cost ee's for the above	Total FMB Self  10.00%  Total Sub	Performed Work  contracted Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	

The price quoted for the above described Scope Change is subject to the following conditions:

(1) A direction to proceed by the Contractor will entitle us to progress payments for Work covered above.

(2) If this change decreases, extends, or otherwise affects our completion time, our cost of performance will thereby increase. We reserve all rights to recover these added costs and rely on Contractor to keep us fully informed regarding changes in the completion time.

Vallation time.



	Sheet Metal Prod	uctive Work Ho	urs Summary			
Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout	-	N/A	-	-		-
Shop Productive Hours		-	-	-		
Field Productive Hours	-	-	-	-	-	-

		She	et Metal Crew Mix					
	General				Total Crew	ST Crew Mix	1.5x Crew	2.0x Crew Mix
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	Rate
Detailing/Layout	15 M 4 15 15	To the same	1		1	\$ 131.42	\$ -	\$ -
Shop Crew			1 2		4	\$ 112.47	\$ -	\$ -
Field Crew	The state of the s		1 2		3	\$ 123.50	\$ -	\$ -

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	ite	Total La	abor\$
General Foreman	Tronior Decempor	N/A		\$	135.40		\$			\$		\$	
Foreman		N/A		\$	131.42		\$	-		\$	-	\$	-
Journeyman		N/A		\$	119.54		\$	-		\$	-	\$	-
Apprentice		N/A		\$	79.36		\$	-		\$	-	\$	-
Sutotal Productive Hou	ırs											\$	-
General Foreman	Supervision	10.00%		\$	135.40		\$	-		\$	- 2	\$	-
Foreman ·	Safety	3.00%		\$	131.42		\$			\$	-	\$	-
Foreman	QA/QC	5.00%		\$	131.42		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	79.36		\$			\$		\$	-
Apprentice	Delivery	7.50%		\$	79.36		\$			\$	-	\$	-
N/A	Subsistence									-			
Totals		Total ST Hrs		Total	1.5x Hrs		Fotal	2.0x H	r:			\$	

Worker Classification			Productive Hrs Straight Time Rate		1.5x Hours	1.5x	Rate	2x Hours	2x Rate		Total Labor \$		
General Foreman		N/A		\$	135.40		\$	-		\$	-	\$	-
Foreman		N/A		\$	131.42		\$	-		\$	-	\$	-
Journeyman		N/A		\$	119.54		\$	-		\$	-	\$	-
Apprentice		N/A		\$	79.36		\$	-		\$	-	\$	-
Sutotal Productive Hou	ırs											\$	-
General Foreman	Supervision	10.00%		\$	135.40		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	131.42		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	131.42		\$	-		\$	-	\$	
Apprentice	Cleanup	5.00%		\$	79.36		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	79.36		\$	-		\$	-	\$	-
N/A	Subsistence												
Totals		Total ST Hrs		Tota	1.5x Hrs		Fotal	2.0x H	rs			\$	-



## DRYSIDE ESTIMATE WORKSHEET

San Mateo Animal Shelter

DATE 10/30/17

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TOTAL

Job Name: San Mateo Animal Shelter

Field Local Union:

Local 104 Dist 2

Shop Local Union:

Local 104 Dist 2

## DRYSIDE WAGE BREAKDOWN WORKSHEET

ESTIMATED PROJECT SCHEDULE (SIX MONTH PAY PERIODS)

		0_0.0.	1				
UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Total
Months/Per (Field)	0	6	6	0	0	. 0	12
Months/Per (Shop)	0	6	6	0	0	0	12

# HOURLY LABOR RATES WITH FRINGES (PER UNION CONTRACT)

### **STRAIGHT TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman	130.19	135.40	135.40	140.81	140.81		\$135.40
Field Foreman	126.37	131.42	131.42	136.68	136.68		\$131.42
Field Journeyman	114.94	119.54	119.54	124.32	124.32		\$119.54
Field Apprentice	76.31	79.36	79.36	82.54	82.54		\$79.36
Shop General Foreman	130.19	135.40	135.40	140.81	140.81		\$135.40
Shop Foreman	126.37	131.42	131.42	136.68	136.68		\$131.42
Shop Journeyman	114.94	119.54	119.54	124.32	124.32		\$119.54
Shop Apprentice	76.31	79.36	79.36	82.54	82.54		\$79.36
	76.31	92.82213	92.8221	96.53501	96.535		

## **OVERTIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman							\$0.00
Field Journeyman							\$0.00
Field Apprentice	100000						\$0.00
Shop General Foreman							\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice						Land Rose Control	\$0.00

## **DOUBLE TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman							\$0.00
Field Journeyman							\$0.00
Field Apprentice		0.50					\$0.00
Shop General Foreman							\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice						1	\$0.00



Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout	-	N/A	-	-		
Shop Productive Hours	-	-	-	-		
Field Productive Hours		-	-	=		

			Piping Crew Mix					
	General				Total Crew	ST Crew Mix		
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	2.0x Crew Mix Rate
Detailing/Layout	2000年				1	\$ 124.16	\$ -	\$ -
Shop Crew	A CONTRACT OF SECTION		2		4	\$ 110.72	\$ -	\$ -
Field Crew			2		3	\$ 118.85	\$ -	\$ -

		% of Productive	Straight Time	Straigl	nt Time								
Worker Classification	Worker Description	Hrs	Hours	Rate		1.5x Hours	1.5x	Rate	2x Hours	2x Ra	te	Total Labor \$	
General Foreman	•	N/A	77	\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$			\$	=	\$	-
Journeyman		N/A		\$	116.20	2.50	\$	-		\$	-	\$	
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Hou	irs											\$	-
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	- 2		\$	*	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-	-	\$	-	\$	-
Totals		Total ST Hrs		Total	1.5x Hrs		Fotal	2.0x H	r			\$	

Worker Classification	Worker Description	% of Productive Hrs	Straight Time	Straigl	nt Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	ate	Total Labor \$	
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$	-		\$		\$	-
Journeyman	1 1	N/A		\$	116.20		\$	-		\$	-	\$	1.00
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	(7)
Sutotal Productive Hou	ırs											\$	-
General Foreman	Supervision	10.00%	7	\$	132.10		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$		\$	070
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%	-	\$	86.30		\$	-		\$	570	\$	-
						7							
Totals		Total ST Hrs		Total	1.5x Hrs		Fotal	2.0x H	ir:			\$	



# WETSIDE ESTIMATE WORKSHEET

San Mateo Animal Shelter

**DATE** 10/30/17

	QTY.		MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
*								HOURS	HOURS	HOURS
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TOTAL

Job Name: San Mateo Animal Shelter

Field Local Union:

District Council 36 LU 467

Shop Local Union:

District Council 36 LU 467

#### WETSIDE WAGE BREAKDOWN WORKSHEET

ESTIMATED PROJECT SCHEDULE (SIX MONTH PAY PERIODS)

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Total
Months/Per (Field)	2	6	6	0	0	0	14
Months/Per (Shop)	2	6	6	0	0	0	14

# HOURLY LABOR RATES WITH FRINGES (PER UNION CONTRACT)

## STRAIGHT TIME

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman	127.72	132.83	132.83	138.14	138.14		\$132.10
Field Foreman	120.04	124.84	124.84	129.84	129.84		\$124.16
Field Journeyman	112.35	116.84	116.84	121.52	121.52		\$116.20
Field Apprentice	83.44	86.78	86.78	90.25	90.25		\$86.30
Shop General Foreman	127.72	132.83	132.83	138.14	138.14		\$132.10
Shop Foreman	120.04	124.84	124.84	129.84	129.84		\$124.16
Shop Journeyman	112.35	116.84	116.84	121.52	121.52		\$116.20
Shop Apprentice	83.44	86.78	86.78	90.25	90.25		\$86.30

88.06 91.5824 91.5824 95.2457 95.2457 99.05552

#### **OVERTIME**

·							
UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman							\$0.00
Field Journeyman							\$0.00
Field Apprentice							\$0.00
Shop General Foreman			(4)				\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice						**	\$0.00

## **DOUBLE TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman					9		\$0.00
Field Journeyman							\$0.00
Field Apprentice							\$0.00
Shop General Foreman							\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00



Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout	-	N/A	-	-		
Shop Productive Hours	-	-	-	-		
Field Productive Hours	-		-	-	All Street Street	

		Plu	imbing Crew Mix					
	General		1.		Total Crew	ST Crew Mix		
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	2.0x Crew Mix Rate
Detailing/Layout		1			1	\$ 124.16	\$ -	\$ -
Shop Crew	TO ME	1	2	1	4	\$ 110.72	\$ -	\$ -
Field Crew		1	2		3	\$ 118.85	\$ -	\$ -

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x Rat	e	Total Labor \$	
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$	-		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	-
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Hou	irs											\$	-
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	-
Totals		Total ST Hrs		Tota	1.5x Hrs		Fotal	2.0x H	r			\$	-

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ght Time	1.5x Hours	1.5x	Rate	2x Hours	2x R	ate	Total Labor	\$
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$	-		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	-
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Hou	ırs											\$	-
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$		\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	-
	4				-								
Totals		Total ST Hrs		Tota	I 1.5x Hrs		rota	1 2.0x F	lr:			\$	-



#### PLUMBING ESTIMATE WORKSHEET

San Mateo Animal Shelter

DATE 10/30/17

	QTY.		MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
								HOURS		HOURS
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TOTAL



# SUBCONTRACTORS ESTIMATE WORKSHEET

Controls			
item	location qty	\$/ea	\$
AHU's	roof	\$ 18,500.00	\$ -
Zones		\$ 1,650.00	\$ -
R/A Zones		\$ 1,350.00	\$ -
CHW plant		\$ 25,000.00	\$ -
Boiler		\$ 20,000.00	\$ -
Med Gas Alarms		\$ 7,500.00	\$ -
EF's		\$ 1,500.00	\$ 
TF's		\$ 800.00	\$ -
MRI		\$ 5,000.00	\$
VRF		\$ 7,500.00	\$ -
			\$ 
Additional AC		\$ 6,500.00	\$ -
			\$ -
		Totals	\$ 51 P.

Insulation			
item	location qty	\$/ea	\$
AHU's	roof	\$ 18,500.00	\$ -
Zones		\$ 1,650.00	\$ -
R/A Zones		\$ 1,350.00	\$ -
CHW plant		\$ 25,000.00	\$ -
Boiler		\$ 20,000.00	\$ -
Med Gas Alarms	1.00	\$ 7,500.00	\$
EF's		\$ 1,500.00	\$ -
TF's		\$ 800.00	\$ 
MRI		\$ 5,000.00	\$ -
VRF		\$ 7,500.00	\$ -
			\$ -
			\$ -
		10	\$ -
		Totals	\$ -

Balance				
item	location	qty	\$/ea	\$
Reheat Coil			\$90.00	\$ -
Air Outlets			\$40.00	\$ -
Air Handler			\$450.00	\$ 
Add for Return Fan	1	ic in	\$125.00	\$ -
Pachage Units (5 to	ons)	- 5	\$300.00	\$ 12
Exhaust Fans			\$300.00	\$ -
Small Fans			\$100.00	\$
Pumps			\$300.00	\$ -
Air Handler Coils			\$100.00	\$ -
Boiler			\$200.00	\$ -
Chiller			\$200.00	\$ -
Cooling Tower			\$300.00	\$ -
Expansion Tank			\$150.00	\$ -
Out of town work/p	er night	-	\$200.00	\$ -
Mileage		-	\$0.85	\$ -
Sub Total				\$ -
Labor Add for Bay	Area Wo	rk		\$ -
				\$ -
	887		Totals	\$ -

Fire/Acoustical C	aulking				
item	location	qty	\$/e	a	\$
AHU's	roof		\$	18,500.00	\$ -
Zones			\$	1,650.00	\$ -
R/A Zones			\$	1,350.00	\$ -
CHW plant			\$	25,000.00	\$ -
Boiler			. \$	20,000.00	\$ -
Med Gas Alarms			\$	7,500.00	\$ -
EF's			\$	1,500.00	\$ -
TF's			\$	800.00	\$ -
MRI			\$	5,000.00	\$ 2
VRF			\$	7,500.00	\$ -
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				Totals	\$ -



# SUBCONTRACTORS ESTIMATE WORKSHEET

Controls					
item	location	qty	\$/ea	a	\$ 15
AHU's	roof		\$	18,500.00	\$ -
Zones			\$	1,650.00	\$ -
R/A Zones			\$	1,350.00	\$ -
CHW plant			\$	25,000.00	\$ -
Water Treatme	ent				
item	location	qty	\$/ea	a	\$
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Test	Roof			\$500.00	\$ -
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insulation				_	
item	location	ty	\$/ea	\$	
AHU's	roof		\$ 18,500.00	\$ -	
Zones			\$ 1,650.00	\$ -	
R/A Zones			\$ 1,350.00	\$ -	
CHW plant			\$ 25,000.00	\$ -	
Rigging					
item	location	ıty	\$/ea	\$	
340					
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Test	Roof		\$1,500.00	\$ -	
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Excavation item	location qty	\$/ea	\$	
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Test	Ground	\$200.00	\$	_
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		Totals	\$ -

# **Equipment Rental Quotation**

Sales Rep: Phone #

									IN/OUT	200	TOTAL
			# of Day's	Daily	# of Weeks	Week	# of Months	4 Weeks	REQUIRED	Trucking	RENTAL
Code	Equipment	Minimum	Rented	(8 hours)	Rented	(40 hours)	Rented	(28 Days)	(Y/N)	Each Way	CHARGE
750	Pallet Jacks & Walkie Stackers	other sizes		\$50		\$105		\$165		\$75	\$0
	Manuel Pallet Jack Walkie W40Z	Available		\$61		\$182		\$435		\$75	\$0
		W30-80		\$72		\$193		\$468		\$75	\$0
940	Rider 48" B60 96" Wide also	Call to Add		\$66		\$198		\$479		\$75	\$0
	Electric Sit Down Forklifts										
	3,500lb Electric Sit Down Forklift	other sizes		\$149		\$495		\$968		\$75	\$0
	5,000lb Electric Sit Down Forklift	Available		\$160		\$534		\$1,029		\$75	\$0 \$0
0650	6,000lb Electric Sit Down Forklift			\$182		\$545	C-A-CASTON	\$1,309	The second second	\$75	\$0
0810	Reach Truck & Order Pickers Single Reach N30 / N35 N40 N45			\$154		\$440		\$1,293		\$75	\$0
	Order Picker R30			\$149		\$424		\$1,249		\$75	\$0
	Pneumatic Tire Forklift										
	CUSHION TIRE FORKLIFT										
	Accessories & Attachments for Forklifts										
	TELESCOPIC FORKLIFT										40
2875	19ft, 5,000lb Variable Reach Forklift			\$226		\$660		\$1,469	-	\$75 \$75	\$0 . \$0
2950	42ft, 6,000lb Variable Reach Forklift			\$270 \$303		\$847 \$919		\$1,931 \$2,151		\$75	\$0
2975	42ft, 8,000lb Variable Reach Forklift 44ft 15,000 Variable Reach Forklift			\$578		\$3,190		\$6,160		\$75	\$0
3025	56ft, 10,000lb Variable Reach Forklift			\$413		\$1,089		\$3,157		\$75	\$0
	TELESCOPIC ATTACHMENTS										
3050	Truss Boom 12' 2,000LB Capacity			\$66		\$138		\$215		\$75	\$0
	Truss Boom 6' Genie 5519 only			\$66		\$138		\$215		\$75	\$0
	2ft Truss Boom (IR only) 10,000lb capacity	2		\$77		\$154		\$259		\$75	\$0
	CE60			\$94		\$182		\$270	-	\$75	\$0 \$0
	CE100			\$94	-	\$182 \$193		\$270 \$413	+	\$75 \$75	\$0
3050 3050	Jib Crane w/fork slots 3,000lb Swing Carriage			\$83 \$105	<b> </b>	\$193		\$413	<del>                                     </del>	\$75	\$0
	Bucket for Reach Forks 1.75CU Yard	-		\$61		\$242		\$363	1	\$75	\$0
	MATERIAL LIFTS		74477450	7.51		7-1		7			10
5600	Super Lift 18 and 24' lift, 650lb capacity			\$72		\$171		\$248		\$75	\$0
	PLATFORMS/AWP										
5650	25-35ft Push-A-Round DC Narrow Platform			\$138		\$303		\$435		\$75	\$0
	SCISSOR LIFTS										
5675	12ft Vertical Mast Self Propelled Lift			\$110		\$237		\$314	-	\$75	\$0
5700	15ft Vertical Mast Self Propelled Lift			\$121	-	\$264		\$347 \$358	-	\$75 \$75	\$0 \$0
5725	20ft Vertical Mast Self Propelled Lift			\$127 \$99	+	\$275 \$231		\$358 \$319	+	\$75	\$0
5750 5775	19ft Electric Scissor Lift 20ft Electric Scissor Lift Powerdeck			\$138		\$325		\$633		\$75	\$0
5825	26ft Electric Scissor Lift, 32* 46*wide			\$138		\$297		\$523		\$75	\$0
5925	32ft Electric Scissor Lift, 32* wide			\$171		\$402		\$902		\$75	\$0
5900	32ft Electric Scissor Lift, 46" wide			\$149		\$358		\$809		\$75	\$0
5875	26ft Rough Terrain Scissor Lift, 68* wide	SELF LEVELING		\$182		\$402		\$825		\$75	\$0
5950	32ft Rough Terrain Scissor Lift, 68* wide	RTS SCISSORS		\$204		\$440		\$935		\$75	\$0
5975	40ft Electric Scissor Lift, 69* wide	Available		\$259	_	\$600		\$1,315	-	\$75	\$0
6000	43ft Rough Terrain Scissor Lift, 90" wide			\$248		\$589		\$1,205	+	\$75 \$75	\$0 \$0
6025	53ft Rough Terrain Scissor Lift, 90" wide STRAIGHT BOOMS			\$319		\$765		\$1,579		\$75	\$0
6075	40ft Stick Boom			\$248		\$633		\$1,425		\$75	\$0
6100	45ft Stick Boom w/Jib			\$259		\$655		\$1,447	1	\$75	\$0
6125	60ft Stick Boom			\$319		\$930		\$2,189		\$75	\$0
6150	65ft Stick Boom w/Jib			\$336		\$968		\$2,283		\$75	\$0
6175	80ft Stick Boom			\$655		\$1,942		\$4,158		\$75	\$0
6200	85ft Stick Boom w/Jib			\$688		\$2,085		\$4,279		\$75	\$0
6225	125ft Stick Boom w/jib	Call Long Term		\$1,084	-	\$3,295		\$9,130	-	\$75	\$0
6250	135ft Stick Boom w/jib	Big Booms		\$1,304		\$3,740		\$9,790	+	\$75 \$75	\$0 \$0
6275	150ft Stick Boom w/jib ARTICULATING BOOMS			\$2,728		\$8,360		\$18,480		\$15	\$0
6350	30ft to 34ft Articulating Boom Narrow Electric			\$204		\$605		\$1,491		\$75	\$0
0000	GR26 BOOM			\$182		\$550		\$1,425		\$75	\$0
6400	40ft Articulating Boom Narrow Electric			\$270		\$726		\$1,491		. \$75	\$0
6450	45ft Articulating Boom All			\$281		\$743		\$1,518		\$75	\$0
6475	60ft Articulating Boom All			\$374		\$1,007		\$2,525		\$75	\$0
6500	80ft Articulating Boom			\$743		\$2,745		\$4,780		\$75	\$0
	Bobcat Skid-Steer Loader									-	-
	Bobcat Excavators				-					+	-
	Bobcat Track Loaders  Bobcat Utility Cart										
	Bobcat Attachments	100's of options	8								1
	Skip Loaders and Backhoes	- Spirons				77777	100000000000000000000000000000000000000	1000	100	1	1
	Large Excavators	-									1
	Wheel Loaders										
	Dump Truck									120000	
	Water Truck					407		40./			-
5375	2,000 Gallon Water Truck			\$220		\$880	-	\$2,475 \$4,279	+	\$75 \$75	\$0
5378	4,000 Gallon Water Truck 500 Gallon Water Wagon			\$385 \$94		\$1,540 \$308		\$4,279		\$75	\$0
5350	500 Gallon Water Wagon Trenchers	VIVO DESCRIP		434		4000		4570		100	30
4900	Walk Behind Trencher			\$154		\$495		\$1,271		\$75	\$0
4950	RT55 RT40 Ditch Witch Ride On Trencher			\$303		\$1,089		\$2,481		\$75	\$0
	Rollers									1 (2)	
	Small Compaction										
4125	Standard Vib Plate Compactor			\$83		\$209		\$402	-	\$75	\$0
4075	Reversible Vib Plate Compactor			\$160		\$385		\$1,095		\$75	\$0
2525	Generators			***		\$402		\$391		\$75	\$0
3525 3550	6kw Portable Generator 25kw Trailer Mounted Diesel Generator	-		\$61 \$143		\$193 \$385		\$391	1	\$75	\$0
3550 3575	35kw dsl, genset generator			\$143	1	\$413		\$974	+	\$75	\$0
3600	45kw Trailer Mounted Diesel Generator			\$171		\$435		\$1,210		\$75	\$0
3650	70kw Trailer Mounted Diesel Generator			\$193		\$644		\$1,612		\$75	\$0
	Welders	MARK THE									
3925	400 amp Trailer Mounted Welder	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$110		. \$325		\$644		\$75	\$0
	Light Towers										
4625	Message Board (Mini 3 Line)			\$138		\$314		\$655	-	\$75	\$0
4650	Arrow Board (25 Light)			\$99		\$264		\$501	-	\$75	\$0
5475	4 Light Tower Portable Trailer Mount			\$99		\$270		\$523	-	\$75	\$(
0455	Air Compressors			****		****		****		***	\$1
3150	185 cfm Portable Diesel Air Compressor	-	-	\$105	-	\$292 \$512		\$682 \$1,309	+	\$75 \$75	\$(
3200	375 cfm Portable Diesel Air Compressor  Miscelaneous Equipment			\$204		\$31Z		\$1,303		\$10	31
2775	Temp Power Box		1	\$28		\$61		\$94		\$75	\$(
	Trailers			\$83		\$330		\$754		\$75	\$(
3775 9230		CALL		1							\$0
9230	TK40-110 Side Dumps Etc Call FT500 Fire	CALL									
		CALL		\$83		\$209		\$402		\$75	\$0



#### Intermountain Electric

947 Washington Street San Carlos, CA 94070 Telephone: 650.591.7118 Fax: 650.591.7123

F & H Construction Contact: Stephen Siebly CHANGE ORDER

Date:

8/1/2017

Project Name:

SMAS - Animal Shelt

Project Number: Page Number: SMAS - Animal Shelt

REF:

1

1

# PROPOSED CHANGE ORDER

#### **Work Description**

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

We will supply and install all materials, labor, and equipment as per your instructions on 1.

#### Itemized Breakdown

Description	Qty	Net Price	U	Total Mat.		
3/4" CONDUIT - EMT	-400	258.15	С	-1,032.60	6.20	
1" CONDUIT - EMT	250	430.09	С	1,075.22	6.80	17.00
1 1/2" CONDUIT - EMT	600	844.40	С	5,066.40	8.70	52,20
1 1/2" ELBOW 90 DEG - EMT	2	1,006.50	С	20.13	50.00	
3/4" CONN SS DC - EMT	-8	120.64		-9.65	12.00	
1 1/2" CONN SS DC - EMT	16	549.02	С	87.84	25,00	4.00
3/4" COUPLING SS DC - EMT	-40	127.28	С	-50.91	6.00	- 1
1 1/2" COUPLING SS DC - EMT	62	570.98	С	354.01	9.00	5.58
1" CONN SS STL - EMT	20	394.72	С	78.94	15.00	3.00
1" COUPLING SS STL - EMT	25	419.93	С	104.98	7.00	1.75
1 1/2" BUSHING - PLASTIC	16	93.35	С	14.94	0.00	
3/4" EMT & 1/2" RMC 1-PC STRUT CLAMP W/ SADDLE	-41	155.54	С	-63.77	0.00	-0.00
1" EMT & 3/4" RMC 1-PC STRUT CLAMP W/ SADDLE	27	155.54	С	42.00	0.00	
1 1/2" EMT & 1 1/4" RMC 1-PC STRUT CLAMP W/ SADDI	61	168.74		102.93	0.00	
1" CONDUIT+BOX SUPPORT W/ 9/32" MNTG HOLE	10	449.35	С	44.94	0.00	0.00
#12 THHN BLACK	3,300	311.56	М	1,028.15	7.50	A 24.75
#10 THHN BLACK	-1,808	476.48	М	-861.48	8.75	A -15.82
# 2 THHN BLACK	2,816			9,054.00	21.25	1 59.84
WIRE CONN RED	60			12.78	0.00	0.00
4 11/16x 2 1/8" SQ BOX 1" KO	10	2,728.76		272.88	35.00	
4 11/16" SQ BLANK COVER	10	826.08		82.61	9.00	
1/4-20x 1 3/4 WEDGE ANCHOR - 1 1/8" MIN DEPTH	4	0.00		0.00	20.00	
1/4-20x 1 HEX HEAD BOLT - PLTD STL	10	8.67		0.87	7.00	
#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 12G	20	3.59	С	0.72	6.25	
30A 3P BREAKER MOLDED CASE - OPEN	-2	0.00	E	-0.00	0.97 E	
100A 3P BREAKER MOLDED CASE - OPEN	3	0.00		0.00	1.60 E	
30A 250/600V DSN SW NON-FUS - NEMA 3R	-2	407.88		-815.76	2.75 E	
100A 250/600V DSN SW NON-FUS - NEMA 3R	3	1,069.86	E	3,209.58	5.50 E	
Roof penitration	2	49.50	_	99.00	1,50 E	
Mounting Disco assy	1	82.50	E	82.50	3.00 E	3.00
Totals	5,027			18,001.24		152.15

# PROPOSED CHANGE ORDER

## Intermountain Electric

947 Washington Street San Carlos, CA 94070

#### F & H Construction

**CHANGE ORDER** 

Date:

8/1/2017

Project Name: Project Number: SMAS - Animal Shelt

Page Number:

REF:

SMAS - Animal Shelt 2 1

Summary		
General Materials Material Tax	(@ 9.250 %)	18,001.24 1,665.11
Material Total GENERAL FOREMAN JOURNEYMAN 617 FOREMAN 617 SAFETY @ 2	(30.43 Hrs @ \$140.00) (60.86 Hrs @ \$122.34) (60.86 Hrs @ \$135.20) (3.04 Hrs @ \$85.00)	19,666.35 4,260.20 7,445.61 8,228.27 258.40
Subtotal Overhead Markup	(@ 5.000 %) (@ 10.000 %)	<b>39,858.83</b> 1,909.69 4,010.34
Subtotal		45,778.86
Final Amount		\$45,778.86
CONTRACTOR CERTIFICAT	<b>FION</b>	
Name: Date: Signature:	quotation is complete and accurate based on the information provided.	
CLIENT ACCEPTANCE		
CHANGE ORDER: 1 Final Amount:\$45,778.86 Name: Date: Signature: Change Order #:	I hereby accept this quotation and authorize the contractor to complete the above describe	ed work.

DATE:

Aug 11, 2017

TO:

**DANIEL HOFF** 

CC:

STEPHEN SEIBLY

FROM:

JAMES KELLY

REFERENCE:

SAN MATEO ANIMAL SHELTER

SUBJECT:

TIME IMPACT ANALYSIS #002

CPM SCHEDULE: (Total Float -86 working days) The Contract Completion Date is 3/25/19. However, the project is forecasting a current Project Completion Date of 7/26/19. This is a negative variance of 86 working days; 123 calendar days.

FIA #002 Summary: The Design Phase has extended beyond the approved Baseline Schedule and is driving the critical path of the schedule by 86 working days. This negative variance is comprised of multiple design issues; 66 of the 86 working days of this overall delay are listed and detailed below:

- Extended Design / Permit Package 1 (Mechanical Systems) 41 Days
- Design/Winter Contingency 25 Day

Total:

= 66 Day Impact

igure 1 - TIA #002 High Level Summary (66 working days):

TIVI	TY ID	ACTIVITY NAME	ORG DUR	REM DUR	START	FINISH	VJJASCNOJENANJJASONOJENANJJASCNO
C	ounty of San I	Mateo - Animal Care Shelter -Updated Bas	531	534	17-May-17 A	26-Jul-19	
-	Pre-Constructi	on	55	58	17-May-17 A	31-Aug-17	
<b>-</b>	Design Build Ph	ase	55	58	17-May-17 A	31-Aug-17	
	Demo, Underg	ground & Grading Package 1	13	13	18-Jul-17	03-Aug-17	
	DES-1240	**65% DD - Compl Remaining - Demo, UG & Grading Dsgn/Pmt Pkg 1	13	13	18-Jul-17	03-Aug-17	. II :**85% DD - Compl Remaining - Demo, UG & Gra
	■ Building Pack	age 2	55	58	17-May-17 A	31-Aug-17	
	DES-1220	**Extended Design / Pmt Pkg 1 (Mechanical System Revisions)	41	25	17-May-17 A	17-Jul-17	**Extended Design / Pmt Pkg 1 (Mechanical Syst
	DES-1230	**65%CD - Complete Remaining 0-50%	13	13	18-Jul-17	03-Aug-17	**65%CD - Complete Remaining 0+50%
	DES-1210	65% CD Phase - 50-75%	20	20	04-Aug-17	31-Aug-17	■ 65% CD Phase - 50-75%
=	Construction		85	85	21-Mar-19	22-Jul-19	
<b>-</b>	Completion		85	85	21-Mar-19	22-Jul-19	
	CL-1100	**Design Contigency - Proj. Extended into Winter - 5d Frmg / 20d Winter Inefficiency	25	25	21-Mar-19	24-Apr-19	**Design Co
	CL-1000	Architect Punch List and Corrections	10	10	25-Apr-19	08-May-19	■ Architect P
	CL-1010	Jurisdictional / Agency Final Inspections	10	10	02-May-19	15-May-19	■ Jurisdiction
	CL-1060	Demo Remaining Structures & Complete New Parking Lots	40	40	23-May-19	22-Jul-19	Demo F
=	Closeout		4	4	22-Jul-19	26-Jul-19	
	CL-1070	Final Remaining Project Completion	0	0		22-Jul-19	
	CL-1080	Demobilization	4	4	23-Jul-19	26-Jul-19	Demob

#### TIA #002 Details:

**Extended Design / Permit Package 1 (Mech Systems Revisions) (41 Days):** The 65% Permit Package for both the Demo/Underground and Building were impacted by 41 working days due to mechanical design revisions.

igure 2 – Extended Design / Permit Pkg 1 (41 days):

ACTIV	ITY I	D 🗸		ORG	START	FINISH	2017	June 2017	July 2017	August 2
				DUR			15 22 2	9 05 12 19 20	6 03 10 17 2	4 31 07 14
= (	Cou	inty of San I	Mateo - Animal Care Shelter -Updated Bas	44	17-May-17 A	03-Aug-17			1	
-	Pr	e-Constructi	on	44	17-May-17 A	03-Aug-17			1	
E	3 I	Design Build Ph	ase	44	17-May-17 A	03-Aug-17			1 1	
		Demo, Underg	round & Grading Package 1	15	23-May-17 A	24-May-17 A				
		DES-1020	65% DD Demo, UG & Grading Dsgn/Pmt Pkg 1 (2d Partial Activity	15	23-May-17 A	24-May-17 A	■ 659	% DD Demo, UG &	Grading Dsgn/Pm	t Pkg 1 (2d Partis
	=	Building Packa	ige 2	41	17-May-17 A	03-Aug-17			No.	
		DES-1220	**Extended Design / Pmt Pkg 1 (Mechanical System Revisions)	41	17-May-17 A	17-Jul-17	Name of Street		**Ex	tended Design /
		DES-1230	**65%CD - Complete Remaining 0-50%	13	18-Jul-17	03-Aug-17				**65%CD

Design Contingency / Weather: Due to the extended design phase, the project has been extended into winter months. This mpact has been estimated at 25 working days to the construction sequence; 5 additional days framing and 20 working days for general impacts due to winter weather conditions. This contingency will be reviewed and addressed month by month on an "as needed" basis.

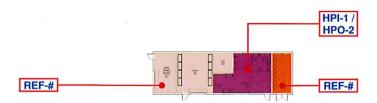
igure 3 – Design/Winter Contingency (25 days):

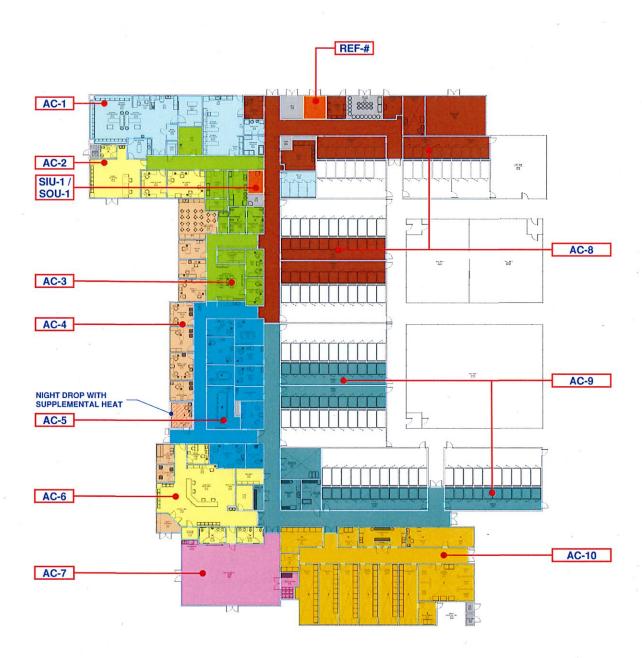
ACTIV	ITY ID	ACTIVITY NAME	ORG DUR	START	FINISH	у 2019		ch 20		April		10 mm 1 m	lay 2019 6 13 20	
	County of San	 Mateo - Animal Care Shelter -Updated Bas		21-Feb-19	08-May-19	18 25	04	1 18	25 0	1 08	15 22	29 06	13 20	21 0.
0	Construction		55	21-Feb-19	08-May-19							1		I I
E	Completion		55	21-Feb-19	08-May-19									
	CON-1190	Work-to Completion Lists, Test & Balancing	20	21-Feb-19	20-Mar-19			2000	Work-to	o Comple	etion List	s, Test	& Balanci	ing
	CL-1100	**Design Contigency - Proj. Extended into Winter - 5d Frmg / 20c	25	21-Mar-19	24-Apr-19					228A2	,	*Design	Contigen	cy - Pro
	CL-1000	Architect Punch List and Corrections	10	25-Apr-19	08-May-19								Architect	Punch

Please confirm the acceptance of this work and 66 working days; 95 calendar days will be added to the overall project duration and will be addressed in the next schedule update and narrative. This will extend the Project Completion Date from 4/23/19 to a new Project Completion Date of 7/26/17.

End-











# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 6

Date: 11/30/2017

Architect's Project:

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

**Upgrade Trench Grates** 

8007 Upgrade Trench Grates

\$57,646.71

Sam Lin

Scott Gurley

Robert Hennessy

Assistant Director

4/16/2020

4/16/2020

DocuSigned by: Scott Gurley D149DF838EF04D7

Date

DocuSigned by:

Robert Hennessy AB3B77D60A0D483..

\$57,646.71

DocuSigned by:

Sam lin EE1B7F4B372C432...

\$57,646.71

	5		
The original Contract Amount wa	as		\$19,699,197.00
Net change by previously author	rized Change Orders		\$300,450.69
The Contract Amount prior to thi	s Change Order was		\$19,999,647.69
The Contract will be increased b	y this Change Order in the amount of		\$57,646.71
The new Contract Amount includ	ding this Change Order will be		\$20,057,294.40
The Contract Time will be uncha	nged.		
The date of Substantial Complet	tion as of the date of this Change Order therefor	re is	
× 5		е	0 F
	FH CONSTRUCTION		
ARCHITECT	CONTRACTOR	OWNER	

(Signature) Ву

PO BOX 2329

See Change Request 8007

(Signature)

See Change Request 8007

See Change Request 8007 Date



# Change Request

To: Robert Hennessy

Jacobs

Number: 8007 Date: 11/9/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Upgrade Trench Grates

Reason: Owner Request

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Replace HDPE trench grates with perforated stainless steel grates (Z886-PS).

Cost Co	de Description	Labor	Material	Equipment	Subcontract	Other	Price
15-500	Trench Drain Grate Z886-PS				\$53,458.26		\$53,458.26
						Subtotal:	\$53,458.26
			Markup - Subco	ntractor (5%)	\$53,458.26	5.00 %	\$2,672.91
				BIT	\$56,131.17	2.70 %	\$1,515.54
	•					Total:	\$57,646.71

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

Approved by:

Date:

Page 1 of 1

# Commitment CO Entry by Change Order

FH CONSTRUCTION Date: 11/30/2017

Commitment Vendor		Extra	Cost Code	Cat	Reference Number	Description	Amount
ANIMAL SHELTER REPLACEMENT (10-16-54	6) Change Order Number: 6	Upgrade Trench	Grates				
Change Request No. 8007 Internal: No							
Scope: Replace HDPE trench grates with	perforated stainless steel grates (Z88	6-PS).					
5466.02 44550 FRANK	BOOTH INC		15-500	S		Trench Drain Grate Z886-PS	53,458.26
						Change Order 6 total	53,458.26



Amount

# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

Change

Request

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.02

Change Order: 2

Date: 11/30/2017

To Contractor:

FRANK M BOOTH INC P O BOX 5

MARYSVILLE, CA 95901

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

Cat

**Upgrade Trench Grates** 

Cost Code

Extra

We are pleased to offer the following specifications and pricing to make the following changes: Replace HDPE trench grates with perforated stainless steel grates (Z886-PS).

Description

15-500	15-500 S 8007 Trench Drain Grate Z886-PS					
The original Cont	ract Amo	ount was		\$3,238,000.00		
Net change by pr	eviously	authorized Char	nge Orders	\$232,165.30		
The Contract Am	ount prio	r to this Change	Order was	\$3,470,165.30		
The Contract will	be increa	ased by this Cha	inge Order in the amount of	\$53,458.26		
The new Contrac	t Amount	t including this C	hange Order will be	\$3,523,623.56		
The Contract Tim	e will be	unchanged.				
The date of Subs	tantial C	ompletion as of	he date of this Change Order therefore is			

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

By ///30/17



4220 Douglas Blvd. Granite Bay CA 95746 TEL (916) 784-0777 FAX (916) 784-0707 CA License No. 793419

08-Nov-17

F&H Construction 1115 E Lockeford St Lodi, CA 95240

Attention:

**Daniel Hoff** 

Reference:

San Mateo Animal Shelter

FMB Job No. 1704

Subject:

Change Proposal Request

FMB C/O # 90-000-03

**General Contractor** 

Attached and below is the narrative and pricing for the above referenced change order.

(Cost of construction including GC's & OH&P)

\$ 51,402.17

(Engineering Lump Sum Fee)

\$ 2,056.09

Please forward written change order at your earliest convenience or call with any questions.

Sincerely,

FRANK M. BOOTH, INC

Eric Durbin

Estimating/Pre-Construction

Attachment:

CC:

Linda Booth

Job File



The following narrative recaps the major scope changes included in this quotation.

**Replace HDPE trench grates with Stainless Steel:** Per county request, base proposed HDPE crates are being replaced with stainless steel. Catch basin to remain as is.



#### SCOPE CHANGE COST SUMMARY

n	0 11 1 10 1		D 4		4410010047
Project:	San Mateo Animal Shelte		Date:		11/08/2017
<u>Job #</u>	170		Prepared By:		Eric Durbin
FMB No.:	90-000-0				
Scope:	Replace HDPE Trench Grates w/ S	S			
	*				
Labor:			<b>Hours</b>		Extended
Cost of Labor	- From Labor Recap Sheets		0	\$	-
Markup		15.00%		\$	
		THE TAKE NO	Labor Total	\$	
M-4-1-10 F-1					
Material & Eq Direct Materia				\$	40,508.00
Sales Tax		9.25%		\$	3,746.99
Sub-Total Ma	terial			\$	44,254.99
Markup		15.00%		\$	6,638.25
•			rial & Equipment	\$	50,893.24
Other Costs:					
	quip., Rental (Per labor hr., excl. detailing & delivery)	\$83.89	0.00	\$	_
Consumables		3%		\$	-
	ent, Warranty (Per Field labor \$)	2%		\$	
10000 1500	14/Hr for GF and Foreman Hours unless overridden	\$14.00	0.00	\$	-
Safety Supplie	es Expense (Per field labor hr.)	\$1.25	0.00	\$	-
	ent Rental (see recap)			\$	-
Other				\$	-
Sub-Total Otl	ner Costs			\$	-
Markup		15.00%		\$	-
		T	otal Other Costs	\$	•
					50 893 24
			otal Other Costs Performed Work		50,893.24
					50,893.24
Subcontracte	ed Work:				50,893.24
Controls	d Work:			<b>\$</b> \$	50,893.24
Controls Insulation	d Work:			<b>\$</b> \$ \$	50,893.24
Controls Insulation Balance				<b>\$</b> \$	50,893.24
Controls Insulation Balance Fire/Acoustica	l Caulking			<b>\$ \$ \$ \$ \$</b>	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm	l Caulking			<b>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</b>	50,893.24
Controls Insulation Balance Fire/Acoustica	l Caulking			<b>\$ \$ \$ \$ \$</b>	- 50,893.24 - - - - -
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging	l Caulking ent			<b>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</b>	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su	l Caulking ent	Total FMB Self	Performed Work	<b>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</b>	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su	Il Caulking ent bs		Performed Work	<b>\$</b>	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup	Il Caulking ent bs	Total FMB Self	Performed Work	<b>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$</b>	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap	l Caulking ent bs bcontracted Costs	Total FMB Self	Performed Work	\$ \$ \$ \$ \$ \$ \$ \$ \$	-
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru	I Caulking ent bs bcontracted Costs	Total FMB Self	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu	Il Caulking ent  bs bcontracted Costs  action Cost: m	Total FMB Self	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu	I Caulking ent bs bcontracted Costs	Total FMB Self	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu Sub-Total Co	I Caulking ent bs bcontracted Costs  uction Cost: m nstruction Cost	Total FMB Self  10.00%  Total Subo	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93 51,402.17
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu Sub-Total Co	Il Caulking ent  bs bcontracted Costs  action Cost: m	Total FMB Self	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu Sub-Total Co Engineering	I Caulking ent bs bcontracted Costs  uction Cost: m nstruction Cost	Total FMB Self  10.00%  Total Subo	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93 51,402.17 2,056.09
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu Sub-Total Co Engineering	I Caulking ent  bs bcontracted Costs  action Cost: m nstruction Cost  Fee's for the above	Total FMB Self  10.00%  Total Subc  1%	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93 51,402.17
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu Sub-Total Co Engineering Subtotal OCCIP Deduct	I Caulking ent bs bcontracted Costs  action Cost: m nstruction Cost Fee's for the above	Total FMB Self  10.00%  Total Subo	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93 51,402.17 2,056.09 53,458.26
Controls Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other Su Sub-Total Su Markup  Cost Recap Total Constru Bond Premiu Sub-Total Co Engineering	I Caulking ent bs bcontracted Costs  action Cost: m nstruction Cost Fee's for the above	Total FMB Self  10.00%  Total Subc  1%	Performed Work	\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	50,893.24 508.93 51,402.17 2,056.09

The price quoted for the above described Scope Change is subject to the following conditions:

<sup>(1)</sup> A direction to proceed by the Contractor will entitle us to progress payments for Work covered above.

<sup>(2)</sup> If this change decreases, extends, or otherwise affects our completion time, our cost of performance will thereby increase. We reserve all rights to recover these added costs and rely on Contractor to keep us fully informed regarding changes in the completion time.



Work Description Category	Productive Hours From Recap Sheet	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout	-	N/A	-	-		
Shop Productive Hours	-	-	-	-		
Field Productive Hours	-	-		-		

	Sheet Metal Crew Mix											
	General		-		Total Crew	ST Crew Mix	1.5x Crew	2.0x Crew Mix				
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	Rate				
Detailing/Layout	Short State		1	and water	1	\$ 131.42	\$ -	\$ -				
Shop Crew			1 2	1	4	\$ 112.47	\$ -	\$ -				
Field Crew			1 2		3	\$ 123.50	\$ -	\$ -				

Washan Olasaidasidan	Madan Dagadatian	% of Productive Hrs	Straight Time	Straig	ht Time	1.5x Hours	1.5x R	ata	2x Hours	2x Ra	ıta	Total La	hor \$
Worker Classification General Foreman	Worker Description	N/A	Hours	\$	135,40	1.5x Hours	\$	ate	ZX Hours	S		S	-
Foreman		N/A		\$	131.42		\$	-		\$	-	\$	
Journeyman		N/A		\$	119.54		\$	-		\$	-	\$	-
Apprentice	,	N/A		\$	79.36		\$			\$	-	\$	-
Sutotal Productive Hou	irs											\$	-
General Foreman	Supervision	10.00%		\$	135.40		\$	-		\$	- u 1	\$	-
Foreman	Safety	3.00%		\$	131.42		\$			\$	-	\$	
Foreman	QA/QC	5.00%		\$	131.42		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	79.36		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	79.36		\$	-		\$	-	\$	-
N/A	Subsistence												
Totals		Total ST Hrs		Tota	1.5x Hrs		Fotal 2	.0x Hr				\$	-

Field Dryside Labor Ra	ite Table													
Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours			1.5x Hours	1.5x Hours 1.5x Rate		1.5x Rate 2x Hours		2x Rate		Total Labor \$	
General Foreman		N/A		\$	135.40		\$	-		\$	-	\$		
Foreman		N/A		\$	131.42		\$	-		\$	-	\$	-	
Journeyman		N/A		\$	119.54		\$	-		\$	-	\$	-	
Apprentice		N/A		\$	79.36		\$	-		\$	-	\$	-	
Sutotal Productive Hou	ırs									15		\$	-	
General Foreman	Supervision	10.00%		\$	135.40		\$	-		\$	-	\$	-	
Foreman	Safety	3.00%		\$	131.42		\$	-		\$	2	\$	-	
Foreman	QA/QC	5.00%		\$	131.42	1	\$	-		\$	-	\$	-	
Apprentice	Cleanup	5.00%		\$	79.36		\$	-		\$	-	\$	-	
Apprentice	Delivery	7.50%		\$	79.36		\$.	-	1	\$	-	\$	-	
N/A	Subsistence													
Totals		Total ST Hrs		Total	1.5x Hrs		Total	2.0x H	r:			\$		



#### DRYSIDE ESTIMATE WORKSHEET

San Mateo Animal Shelter

DATE 11/8/17

90-000-0	03
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	QTY.		MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
								HOURS	HOURS	HOURS
THE RESIDENCE OF THE PROPERTY										
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29,441,1442		,,,,,,,,								

TOTAL

Job Name: San Mateo Animal Shelter

Field Local Union:

Local 104 Dist 2

Shop Local Union:

Local 104 Dist 2

#### DRYSIDE WAGE BREAKDOWN WORKSHEET

**ESTIMATED PROJECT SCHEDULE (SIX MONTH PAY PERIODS)** 

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Total
Months/Per (Field)	0	6	6	0	0	0	12
Months/Per (Shop)	0	6	6	0	0	0	12

## HOURLY LABOR RATES WITH FRINGES (PER UNION CONTRACT)

#### STRAIGHT TIME

Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
130.19	135.40	135.40	140.81	140.81		\$135.40
126.37	131.42	131.42	136.68	136.68		\$131.42
114.94	119.54	119.54	124.32	124.32		\$119.54
76.31	79.36	79.36	82.54	82.54	A No. Communication	\$79.36
130.19	135.40	135.40	140.81	140.81		\$135.40
126.37	131.42	131.42	136.68	136.68		\$131.42
114.94	119.54	119.54	124.32	124.32		\$119.54
76.31	79.36	79.36	82.54	82.54		\$79.36
	130.19 126.37 114.94 76.31 130.19 126.37 114.94	130.19 135.40 126.37 131.42 114.94 119.54 76.31 79.36 130.19 135.40 126.37 131.42 114.94 119.54 76.31 79.36	130.19     135.40     135.40       126.37     131.42     131.42       114.94     119.54     119.54       76.31     79.36     79.36       130.19     135.40     135.40       126.37     131.42     131.42       114.94     119.54     119.54       76.31     79.36     79.36	130.19     135.40     135.40     140.81       126.37     131.42     131.42     136.68       114.94     119.54     119.54     124.32       76.31     79.36     79.36     82.54       130.19     135.40     135.40     140.81       126.37     131.42     131.42     136.68       114.94     119.54     119.54     124.32	130.19     135.40     135.40     140.81     140.81       126.37     131.42     131.42     136.68     136.68       114.94     119.54     119.54     124.32     124.32       76.31     79.36     79.36     82.54     82.54       130.19     135.40     135.40     140.81     140.81       126.37     131.42     131.42     136.68     136.68       114.94     119.54     119.54     124.32     124.32       76.31     79.36     79.36     82.54     82.54	130.19     135.40     135.40     140.81     140.81       126.37     131.42     131.42     136.68     136.68       114.94     119.54     119.54     124.32     124.32       76.31     79.36     79.36     82.54     82.54       130.19     135.40     135.40     140.81     140.81       126.37     131.42     131.42     136.68     136.68       114.94     119.54     119.54     124.32     124.32       76.31     79.36     79.36     82.54     82.54

76.31 92.82213 92.8221 96.53501 96.535

#### **OVERTIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman				-31.07=0.100.000.000.000.000.000			\$0.00
Field Journeyman							\$0.00
Field Apprentice			11				\$0.00
Shop General Foreman							\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice	4			-			\$0.00

#### **DOUBLE TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman			, 1				\$0.00
Field Foreman							\$0.00
Field Journeyman			- 1				\$0.00
Field Apprentice							\$0.00
Shop General Foreman							\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00



Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout		N/A	-	-	KI SEE	
Shop Productive Hours	-	-	-	-		A RESIDENCE
Field Productive Hours	-			-		
Subtotal Productive Hours	-			-		

		F	Piping Crew Mix					
	General				Total Crew	ST Crew Mix		D 10 PEC 100 PEC 10 PEC
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	2.0x Crew Mix Rate
Detailing/Layout		1			1	\$ 124.16	\$ -	\$ -
Shop Crew		1	2	1	4	\$ 110.72	\$ -	\$ -
Field Crew		1	2		3	\$ 118.85	\$ -	\$ -

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straigh Rate	it Time	1.5x Hours	1.5x	Rate	2x Hours	2x Ra	te	Total Labor \$	
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$			\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	
Sutotal Productive Hou	irs											\$	-
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$	15		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	-
	, , ,												
Totals		Total ST Hrs		Total '	1.5x Hrs		rotal:	2.0x H	ir:			\$	-

Field Wetside Labor Ra	nte Table												
Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straig Rate	ht Time	1.5x Hours	1.5x	Rate	2x Hours	2x Rate		Total Labor \$	
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16	-	\$	-		\$	-	\$	
Journeyman		N/A		\$	116.20		\$			\$	-	\$	-
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Hou	ırs											\$	-
General Foreman	Supervision	10.00%		\$	132.10		\$	-		\$		\$	-
Foreman	Safety	3.00%		\$	124.16		\$	<u> </u>		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$		Y 14	\$	- 5	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$	2		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$.	-
			10										
Totals		Total ST Hrs		Total	1.5x Hrs		Fotal	2.0x H	rs			\$	-



## WETSIDE ESTIMATE WORKSHEET

San Mateo Animal Shelter

**DATE** 11/8/17

90-000-03									
	QTY.	MAT	DET	SHP	FLD	MAT'L	DETAIL		
							HOURS	HOURS	HOURS
*									
							0.		
							7.		

TOTAL

Job Name: San Mateo Animal Shelter

Field Local Union:

District Council 36 LU 467

Shop Local Union:

District Council 36 LU 467

#### WETSIDE WAGE BREAKDOWN WORKSHEET

#### ESTIMATED PROJECT SCHEDULE (SIX MONTH PAY PERIODS)

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Total
Months/Per (Field)	2	6	6	0	0	0	14
Months/Per (Shop)	2	6	6	0	0	0	14

# HOURLY LABOR RATES WITH FRINGES (PER UNION CONTRACT)

#### **STRAIGHT TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman	127.72	132.83	132.83	138.14	138.14		\$132.10
Field Foreman	120.04	124.84	124.84	129.84	129.84		\$124.16
Field Journeyman	112.35	116.84	116.84	121.52	121.52		\$116.20
Field Apprentice	83.44	86.78	86.78	90.25	90.25		\$86.30
Shop General Foreman	127.72	132.83	132.83	138.14	138.14		\$132.10
Shop Foreman	120.04	124.84	124.84	129.84	129.84		\$124.16
Shop Journeyman	112.35	116.84	116.84	121.52	121.52		\$116.20
Shop Apprentice	83.44	86.78	86.78	90.25	90.25		\$86.30

# 88.06 91.5824 91.5824 95.2457 95.2457 99.05552

#### **OVERTIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman		×					\$0.00
Field Foreman							\$0.00
Field Journeyman			)				\$0.00
Field Apprentice							\$0.00
Shop General Foreman							\$0.00
Shop Foreman			1				\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00

#### **DOUBLE TIME**

UNION PAY PERIOD	Jan 18	July 18	Jan 19	July 19	Jan 20	July 20	Average
Field General Foreman							\$0.00
Field Foreman							\$0.00
Field Journeyman							\$0.00
Field Apprentice							\$0.00
Shop General Foreman						1	\$0.00
Shop Foreman							\$0.00
Shop Journeyman							\$0.00
Shop Apprentice							\$0.00



Work Description Category	Productive	Added Hours based on Productivity Factors	Total Hours	Hours Performed on Straight Time	Hours Performed on 1.5x	Hours Performed on 2.0x
Detailing/Layout		N/A	120	-		
Shop Productive Hours		-	-	-		
Field Productive Hours	-	-	-	-		

	Plumbing Crew Mix										
	General				Total Crew	ST Crew Mix					
Work Description Category	Foreman	Foreman	Journeyman	Apprentice	Size	Rate/hr	Mix Rate	2.0x Crew Mix Rate			
Detailing/Layout		and the same	1		1	\$ 124.16	\$ -	\$ -			
Shop Crew		N PACE TO S	1 2		1 4	\$ 110.72		\$ -			
Field Crew			1 2		3	\$ 118.85	\$ -	\$			

Shop / Detailing Plumb Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straigh Rate		1.5x Hours	1.5x F	tate	2x Hours	2x Rat	e	Total Labor \$	
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	-
Foreman		N/A		\$	124.16		\$	-		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	-
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	-
Sutotal Productive Hou	irs											\$	-
General Foreman	Supervision	10.00%		\$	132.10		\$	-5		\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$			\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%	14	\$ .	86.30		\$	-		\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$	-	\$	
*												-	
Totals	<u> </u>	Total ST Hrs		Total 1	1.5x Hrs	-	Fotal 2	.0x H	ri			\$	

Worker Classification	Worker Description	% of Productive Hrs	Straight Time Hours	Straigh Rate	t Time	1.5x Hours	1.5x I	Rate	2x Hours	2x Ra	ite	Total Labor \$	i
General Foreman		N/A		\$	132.10		\$	-		\$	-	\$	
Foreman		N/A		\$	124.16		\$	-		\$	-	\$	-
Journeyman		N/A		\$	116.20		\$	-		\$	-	\$	-
Apprentice		N/A		\$	86.30		\$	-		\$	-	\$	
Sutotal Productive Hou	ırs											\$	
General Foreman	Supervision	10.00%		\$	132.10		\$	-	. 22	\$	-	\$	-
Foreman	Safety	3.00%		\$	124.16		\$	-		\$	-	\$	-
Foreman	QA/QC	5.00%		\$	124.16		\$	-		\$	-	\$	-
Apprentice	Cleanup	5.00%		\$	86.30		\$			\$	-	\$	-
Apprentice	Delivery	7.50%		\$	86.30		\$	-		\$		\$	-
Totals		Total ST Hrs		Total	1.5x Hrs		Total :	2.0x H	r			\$	-



#### PLUMBING ESTIMATE WORKSHEET

San Mateo Animal Shelter

**DATE** 11/8/17

90-000-03

	QTY.		MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
								HOURS	HOURS	HOUR
Remove HDPE Grates	-820	lf	28.30				-\$23,206			
Basin to remain HDPE									307	
Add SS Grate model Z886-PS	820	ea	77.70				\$63,714			
Basin to remain HDPE										
		_	***							
0		H				-				
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		-	*8							
		$\vdash$								
8.										
					1					

TOTAL

\$40,508



## SUBCONTRACTORS ESTIMATE WORKSHEET

Controls				
item	location qty	\$/ea	\$	
AHU's	roof	\$ 18,500.00	\$	-
Zones		\$ 1,650.00	\$	-
R/A Zones		\$ 1,350.00	\$	-
CHW plant		\$ 25,000.00	\$	-
Boiler		\$ 20,000.00	\$	-
Med Gas Alarms		\$ 7,500.00	\$	-
EF's		\$ 1,500.00	\$	-
TF's		\$ 800.00	\$	-
MRI		\$ 5,000.00	\$	-
VRF		\$ 7,500.00	\$	-
			\$ .	-
Additional AC		\$ 6,500.00	\$	-
		,	\$	-
		Totals	\$	-

Insulation				
item	locationq	y \$/e	ea	\$
AHU's	roof	\$	18,500.00	\$ -
Zones		\$	1,650.00	\$ -
R/A Zones		\$	1,350.00	\$ -
CHW plant		\$	25,000.00	\$ . <b>-</b>
Boiler		\$	20,000.00	\$ -
Med Gas Alarms		\$	7,500.00	\$ -
EF's		\$	1,500.00	\$ -
TF's		\$	800.00	\$ -
MRI		\$	5,000.00	\$ -
VRF		\$	7,500.00	\$ -
				\$ -
				\$ -
11				\$ -
			Totals	\$

Balance								
item	location	qty	\$/ea	\$				
Reheat Coil			\$90.00	\$	-			
Air Outlets			\$40.00	\$	-			
Air Handler			\$450.00	\$	-			
Add for Return Fan	1		\$125.00	\$	-			
Pachage Units (5 to	ons)		\$300.00	\$	-			
Exhaust Fans			\$300.00	\$	-			
Small Fans			\$100.00	\$	-			
Pumps			\$300.00	\$	-			
Air Handler Coils			\$100.00	. \$	-			
Boiler	93		\$200.00	\$	_			
Chiller	+		\$200.00	\$	-			
Cooling Tower			\$300.00	\$	-			
Expansion Tank			\$150.00	\$	-			
Out of town work/p	er night	-	\$200.00	\$	-			
Mileage	1	-	\$0.85	\$	-			
Sub Total				\$	-			
Labor Add for Bay	Area Wo	rk		\$	-			
				\$	-			
y) v)			Totals	\$				

item	location	qty	\$/e	а	\$
AHU's	roof		\$	18,500.00	\$ ÷
Zones			\$	1,650.00	\$ -
R/A Zones			\$	1,350.00	\$ -
CHW plant			\$	25,000.00	\$ -
Boiler			\$	20,000.00	\$ -
Med Gas Alarms			\$	7,500.00	\$ , -
EF's			\$	1,500.00	\$ -
TF's			\$	800.00	\$ -
MRI			\$	5,000.00	\$ -
VRF			\$	7,500.00	\$ -
		•			\$ -
					\$ _
			1	4	\$ -
-					\$ -
				Totals	\$ -



## SUBCONTRACTORS ESTIMATE WORKSHEET

Controls					-	
item	location	qty	\$/e		\$	
AHU's	roof		\$	18,500.00	\$	-
Zones			\$	1,650.00	\$	-
R/A Zones			\$	1,350.00	\$	-
CHW plant			\$	25,000.00	\$	-
Water Treatme	ent					
item	location	qty	\$/€	a	\$	
					\$	-
					\$	-
Test	Roof			\$500.00	\$	-
					\$	-
					\$	-
					\$	-
					\$	
					\$	-
					\$	-
					\$	-
					\$	-
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					\$	-
					\$	-
			_		\$	-
	_		_		\$	
			_	Totals	\$	

nsulation			
item	location qt	y \$/ea	\$
AHU's	roof	\$ 18,500.00	\$ -
Zones		\$ 1,650.00	\$ -
R/A Zones		\$ 1,350.00	\$ -
CHW plant		\$ 25,000.00	\$ -
Rigging			
item	location qt	y \$/ea	\$
	×	-	\$ -
			\$ -
Test	Roof	\$1,500.00	\$ -
			\$ -
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			\$ -
		Totals	\$ -

item	location qty	\$/ea	\$
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			\$ -
Test	Ground	\$200.00	\$ -
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			\$ -
			\$ -
		Totals	\$ -

item	location qty	\$/ea	\$
			\$ -
			\$ -
Misc	Misc	\$1,080.00	\$ -
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A			\$ -
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			\$ -
			\$ +
			\$ -
			\$ -
		Totals	\$ -

## **Equipment Rental Quotation**

Sales Rep:

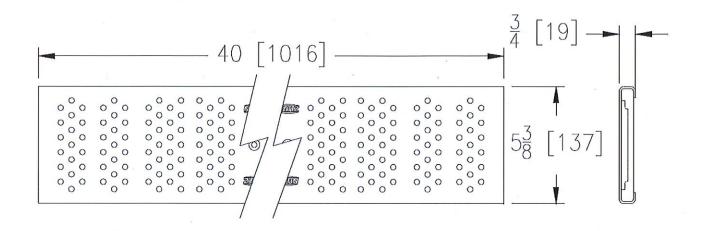
				Datler	# of Weeks	Week	# of Months	AWaaks	IN/OUT REQUIRED	Trucking	TOTAL RENTAL
Code E	Equipment	Minimum	# of Day's Rented	Daily (8 hours)	# of Weeks Rented	Week (40 hours)	# of Months Rented	4 Weeks (28 Days)	(Y/N)	Each Way	CHARG
ode [c	Pallet Jacks & Walkie Stackers	Minimum	Neineu	(a nours)	Kented	(40 Hours)	Kenteu	(20 Days)	(1714)	Lacii Way	CHARG
	Manuel Pallet Jack	other sizes		\$50		\$105		\$165		\$75	
	Walkie W40Z	Available		\$61		\$182		\$435		\$75 \$75	\$
	Walkie W50Z Rider 48" B60 96" Wide also	W30-80 Call to Add		\$72 \$66		\$193 \$198		\$468 \$479		\$75	\$
	Electric Sit Down Forklifts				The second second						
	3,500lb Electric Sit Down Forklift	other sizes		\$149		\$495		\$968		\$75	\$
	5,000lb Electric Sit Down Forklift	Available		\$160		\$534		\$1,029		\$75	\$
50 6	6,000lb Electric Sit Down Forklift Reach Truck & Order Pickers			\$182	Villa III	\$545		\$1,309		\$75	,
10 8	Single Reach N30 / N35 N40 N45			\$154		\$440		\$1,293		\$75	
00 0	Order Picker R30			\$149		\$424		\$1,249		\$75	,
_	Pneumatic Tire Forklift										
-	CUSHION TIRE FORKLIFT Accessories & Attachments for Forklifts										
	TELESCOPIC FORKLIFT			THE WATER							
	19ft, 5,000lb Variable Reach Forklift			\$226		\$660		\$1,469		\$75	\$
	42ft, 6,000lb Variable Reach Forklift			\$270		\$847		\$1,931		\$75	1 3
	42ft, 8,000lb Variable Reach Forklift 44ft 15,000 Variable Reach Forklift			\$303 \$578		\$919 \$3,190		\$2,151 \$6,160		\$75 \$75	1
	56ft, 10,000lb Variable Reach Forklift			\$413		\$1,089		\$3,157		\$75	1
	TELESCOPIC ATTACHMENTS										
	Truss Boom 12' 2,000LB Capacity			\$66 \$66		\$138 \$138		\$215 \$215		\$75 \$75	\$
	Truss Boom 6' Genie 5519 only 2ft Truss Boom (IR only) 10,000lb capacity			\$77	7	\$154		\$259		\$75	1 3
	CE60			\$94		\$182		\$270		\$75	1
50 (	CE100			\$94		\$182		\$270		\$75	\$
	Jib Crane w/fork slots 3,000lb			\$83		\$193		\$413	-	\$75	\$
	Swing Carriage Bucket for Reach Forks 1.75CU Yard			\$105 \$61		\$220 \$242		\$424 \$363		\$75 \$75	\$
,ou E	MATERIAL LIFTS			401		9474		4203		413	
500 S	Super Lift 18 and 24' lift, 650lb capacity			\$72		\$171		\$248		\$75	\$
-	PLATFORMS/AWP			***		4000		***		477	
50 2	25-35ft Push-A-Round DC Narrow Platform SCISSOR LIFTS			\$138		\$303		\$435		\$75	\$
75 1	12ft Vertical Mast Self Propelled Lift			\$110		\$237		\$314		\$75	\$
	15ft Vertical Mast Self Propelled Lift			\$121		\$264		\$347		\$75	1
25 2	20ft Vertical Mast Self Propelled Lift			\$127		\$275		\$358		\$75	1
	19ft Electric Scissor Lift			\$99		\$231		\$319		\$75	1 3
	20ft Electric Scissor Lift Powerdeck 26ft Electric Scissor Lift, 32* 46*wide			\$138 \$138		\$325 \$297		\$633 \$523		\$75 \$75	1
	32ft Electric Scissor Lift, 32* wide			\$171		\$402		\$902		\$75	1
	32ft Electric Scissor Lift, 46* wide			\$149		\$358		\$809	77	\$75	
	26ft Rough Terrain Scissor Lift, 68* wide	SELF LEVELING		\$182		\$402		\$825		\$75	1 3
	32ft Rough Terrain Scissor Lift, 68* wide 40ft Electric Scissor Lift, 69* wide	RTS SCISSORS Available		\$204 \$259		\$440 \$600		\$935 \$1,315	_	\$75 \$75	1 3
	43ft Rough Terrain Scissor Lift, 90* wide	Available		\$248		\$589		\$1,205		\$75	\$
	53ft Rough Terrain Scissor Lift, 90* wide			\$319		\$765		\$1,579		\$75	1
	STRAIGHT BOOMS										
	40ft Stick Boom 45ft Stick Boom w/Jib			\$248 \$259		\$633 \$655		\$1,425 \$1,447		\$75 \$75	\$
	60ft Stick Boom			\$319		\$930		\$2,189		\$75	
	65ft Stick Boom w/Jib			\$336		\$968		\$2,283		\$75	
175 8	B0ft Stick Boom			\$655		\$1,942		\$4,158		\$75	1
	85ft Stick Boom w/Jib	0.81		\$688		\$2,085		\$4,279	-	\$75 \$75	1
	125ft Stick Boom w/jib 135ft Stick Boom w/jib	Call Long Term Big Booms		\$1,084 \$1,304		\$3,295 \$3,740		\$9,130 \$9,790		\$75	1
	150ft Stick Boom w/jib	ang Booms	-	\$2,728		\$8,360		\$18,480		\$75	
	ARTICULATING BOOMS										
	30ft to 34ft Articulating Boom Narrow Electric GR26 BOOM			\$204 \$182		\$605 \$550		\$1,491 \$1,425	-	\$75 \$75	\$
	40ft Articulating Boom Narrow Electric			\$270		\$726		\$1,491	1	\$75	1 3
150 4	45ft Articulating Boom All			\$281		\$743		\$1,518		\$75	
	60ft Articulating Boom All			\$374		\$1,007		\$2,525		\$75	1
000	80ft Articulating Boom			\$743		\$2,745		\$4,780		\$75	
	Bobcat Skid-Steer Loader  Bobcat Excavators	100000000000000000000000000000000000000									
	Bobcat Track Loaders										
	Bobcat Utility Cart						ENGLESS:				
	Bobcat Attachments Skip Loaders and Backhoes	100's of options									-
	Skip Loaders and Backhoes  Large Excavators										
	Wheel Loaders										
	Dump Truck										
775	Water Truck			\$220		\$880	27-23-27	\$2,475	2 2 2 2 2 2 2 2	\$75	
	2,000 Gallon Water Truck 4,000 Gallon Water Truck			\$385		\$1,540		\$4,279		\$75	+ 3
	500 Gallon Water Wagon			\$94		\$308		\$578		\$75	
	Trenchers										
	Walk Behind Trencher RT55 RT40 Ditch Witch Ride On Trencher			\$154		\$495		\$1,271	-	\$75 \$75	1
950 F	RT55 RT40 Ditch Witch Ride On Trencher Rollers	The state of the s		\$303		\$1,089		\$2,481		7/3	
	Small Compaction					1000000				1	
	Standard Vib Plate Compactor			\$83		\$209		\$402		\$75	
75 F	Reversible Vib Plate Compactor			\$160		\$385		\$1,095	4	\$75	,
25	Generators 6kw Portable Generator			\$61		\$193		\$391	-	\$75	-
	25kw Trailer Mounted Diesel Generator			\$143		\$385		\$908		\$75	
75	35kw dsl, genset generator			\$149		\$413		\$974		\$75	
	45kw Trailer Mounted Diesel Generator			\$171		\$435		\$1,210		\$75	- 5
550	70kw Trailer Mounted Diesel Generator Welders			\$193		\$644		\$1,612		\$75	- 1
25	400 amp Trailer Mounted Welder			\$110		\$325		\$644	-	\$75	-
	Light Towers										
	Message Board (Mini 3 Line)			\$138		\$314		\$655		\$75	
	Arrow Board (25 Light)			\$99		\$264		\$501	-	\$75	-
475	4 Light Tower Portable Trailer Mount			\$99	-	\$270		\$523		\$75	
150	Air Compressors  185 cfm Portable Diesel Air Compressor			\$105		\$292		\$682		\$75	
	375 cfm Portable Diesel Air Compressor			\$204		\$512		\$1,309		\$75	
	Miscelaneous Equipment										
	Temp Power Box			\$28		\$61 \$330		\$94 \$754	-	\$75	1
	Trailers TK40-110 Side Dumps Etc Call FT500 Fire	CALL		\$83		\$330		\$134		\$75	
	Rammers										
50	6" & 12" Jumping Jack (rammer)			\$83		\$209		\$402		\$75	
									ENTAL C	and the state of t	1

1-877-903-7246



www.trenchdrainsupply.com

Number
Series
Z886-PS
A Class Perforated Stainless Steel Grate
P6-PS



# **Specification**

The Zurn P6-PS Fabricated Perforated, Stainless Steel Grate, is 5-3/8 inches wide by 40 inches long, weighing 1.8 lbs per linear foot. The grate has an open area of 5.3 square inches per linear foot, DIN Rating of A, ANSI Rating of Light Duty, ADA Compliant. Supplied by Trench Drain Supply.





PS - Fabri	cated Perforated
Material: Ty	pe 304 Stainless Steel
DIN Rating:	Class A
Weight:	1.8 lbs/ft.
Open Area:	5.3 in <sup>2</sup> /ft.
ANSI Rating	g: Light Duty
Application:	Heel-Proof Pedestrian
Slot Width/H	lole Size:1/4"
ADA:	Yes
H-20:	No
FAA:	No

DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTIBILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 7

Date: 2/5/2018

**Architect's Project:** 

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

30% Floor Plan Revisions - Constructon ROM

8009 30% Floor Plan Revisions - Construction ROM

\$198,618.24

Scott Gurley

Robert Hennessy

Assistant Director

-DocuSigned by:

4/16/2020

4/16/2020

Sam Lin

Scott Gurley \_\_D149DF838EF04D7...

Date

-DocuSigned by:

Robert Hennessy
—AB3B77D60A0D483...

\$198,618.24

Date

DocuSigned by:

Sam Lin —EE1B7F4B372C432...

\$198,618.24

Date

The original Contract Amount wa	as		\$19,699,197.00
Net change by previously author	ized Change Orders		\$822,261.73
The Contract Amount prior to this		\$20,521,458.73	
The Contract will be increased b	y this Change Order in the amount of		\$198,618.24
The new Contract Amount include	ling this Change Order will be		\$20,720,076.97
The Contract Time will be uncha	inged.	,	
The date of Substantial Complet	tion as of the date of this Change Order there	fore is	
	FH CONSTRUCTION		
ARCHITECT	CONTRACTOR	OWNER	
Automiteor	PO BOX 2329	OWNER	
	LODI, CA 95241		
	Dariel Hoff	SEE CHANGE REQUES	T 8009 ATTACHED
		(O!1	
(Signature)	(Signature)	(Signature)	
(Signature)	(Signature) Daniel Hoff	(Signature)	



# Change Request

To: Robert Hennessy Jacobs Number: 8009 Date: 12/14/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description:

30% Floor Plan Revisions - Construction ROM

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Revisions to the floor plan due to bridging documents discrepancies in sole regards to square foot and operational program requirements. ROM Costs will be identified in an itemized spreadsheet and billed accordingly in the monthly payment application. The ROM cost is unknown and may exceed the estimated cost, DBE will promptly advise owner upon reaching 75% of maximum amount to increase funds. Remaining budget in the ROM fund will be returned to the owner at the completion of the project by deductive change order.

Delay in design phase has pushed critical demolition, grading and foundation construction activities to periods of potentially higher weather related inefficiencies and impacts. Construction and weather related impacts are unknown. Impacts will be identified and recorded as they occur during construction.

The state of the s			
		\$198,618.24	\$198,618.24
		Subtotal:	\$198,618.24
		Total:	\$198,618.24

OK for ROM \$198.618.72, for add 832 St Area where Bridgis document.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

ROBERT J. HEBNESSY P.E. Page 1 of 1



# Letter of Transmittal

To: Robert Hennessy Jacobs Subject: Change Request	- 8009: 3	0% Floor Pl		Date: 1/9/201 Job: 10-16-5	8 466 ANIMAL SHELTER REPLACEMENT
WE ARE SENDING YOU	Г Atta	ched		arate cover via	the following items:
□ Shop drawings	<b>F</b> Prin	ts	□ Plans	г	Samples
Copy of letter	☐ Cha	nge order		ons 💆	Change Request
Document Type	Copies	Date	No.	Description	
Change Request	1	12/14/17	8009	30% Floor Pla	an Revisions - Construction ROM
For approval For your use As requested For review and comm FOR BIDS DUE  Remarks: Copy To:	r -	Approve Returned Other	X REVIEWED REVISE AND SUBMITTAL WA GENERAL CON THE CONTRAC CORRELATING CLEARANCE, C TECHNIQUES C	P DRAWING RESUBMIT AS REVIEWE FORMANCE TOR IS RES DIMENSION QUANTITIES, OF CONSTRI	Resubmit copies for approval Submit copies for distribution Return corrected prints  ### MAKE CORRECTIONS NOTED REJECTED  ### D FOR DESIGN CONFORMITY AND TO CONTRACT DOCUMENTS ONLY. PONSIBLE FOR CONFIRMING AND IS AT JOBSITE FOR TOLERANCE, FABRICATION PROCESSES AND JCTION COORDINATION OF HIS WORK FULL COMPLIANCE WITH CONTRACT
From:			Signat		pert J. Hennessy PE Date: 1-9-18



SCOPE:

LS COST - REVISED FLOOR PLAN ALLOWANCE SAN MATEO COUNTY ANIMAL SHELTER

			UNIT OF		BUDGET	
SPEC. No.	DESCRIPTION	QUANTITY	MEASURE	UNIT COST	AMOUNT	NOTES
01000	DIVISION 1 - GENERAL CONDITIONS					
	SCHEDULE					
	DESIGN	25	DAYS			
	F&H DESIGN EXTENDED OVERHEAD	25	DAYS	\$750.00	18,750	
	LDA PARTNERS	1	LS	\$36,000.00	36,000	
	TESTING				BY OWNER	
	·					
	SUB - TOTAL OF ALL ABOVE				54,750	
	BUILDERS RISK INSURANCE			17 (17 (18 (18 (18 (18 (18 (18 (18 (18 (18 (18		
	LIABILITY INSURANCE			BIT = 2.7%	1,647	
	PAYMENT & PERFORMANCE BOND					~ roll
	MARKUP - SUBCONTRACTOR (10%) 5 70				1,800	100
	MARKUP - DIRECT COST (15%)				2 813	

SCOPE:

TOTAL

ROM COST - REVISED FLOOR PLAN ALLOWANCE SAN MATEO COUNTY ANIMAL SHELTER

			UNIT OF		BUDGET		
SPEC. No.	DESCRIPTION	QUANTITY	MEASURE	UNIT COST	AMOUNT	NOTES	
01000	DIVISION 1 - GENERAL CONDITIONS						
	CONSTRUCTION CONTINGENCY	15	DAYS	4 4		WORKING DAYS	
	F&H CONSTRUCTION EXTENDED OVERHEAD	15	DAYS	\$2,936.80	44,052	WORKING DAYS	
01000	ALL DIVISIONS			~~	~		
	ROM PROPOSAL				198,618		
		1	^	~	~		
	TESTING	BY OWNER					
	SUB - TOTAL OF ALL ABOVE (20H)	242,670.25	23 ON				

DocuSign Envelope ID: 9CF8B7A8-09AB-4493-A210-3182139BDB76



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

# Letter of Transmittal

<b>To:</b> Robert Hennessy Jacobs			Trans	mittal #: 61  Date: 1/9/2018  Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT
Subject: Change Request	t - 8009: 30	)% Floor Pl	an Revisions - C	
WE ARE SENDING YOU	☐ Atta	ched	☐ Under	separate cover via the following items:
☐ Shop drawings	☐ Print	ts	☐ Plans	☐ Samples
☐ Copy of letter	☐ Cha	nge order	☐ Specifi	ications    ✓ Change Request
Document Type	Copies	Date	No.	Description
Change Request	1	12/14/17	8009	30% Floor Plan Revisions - Construction ROM
THESE ARE TRANSMITTE	D as chec		: d as submitted	☐ Resubmit copies for approval
☐ For your use			d as noted	☐ Submit copies for distribution
☐ As requested		Returned	d for corrections	☐ Return corrected prints
☐ For review and comm	ent 🗆	Other		
☐ FOR BIDS DUE		PRINTS	RETURNED AF	TER LOAN TO US
Remarks:				
Сору То:				
оору то				
From:			Sig	onature:

DocuSign Envelope ID: 9CF8B7A8-09AB-4493-A210-3182139BDB76



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

# Change Request

To: Robert Hennessy

Jacobs

Number: 8009 Date: 12/14/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

Description: 30% Floor Plan Revisions - Construction ROM

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Revisions to the floor plan due to bridging documents discrepancies in sole regards to square foot and operational program requirements. ROM Costs will be identified in an itemized spreadsheet and billed accordingly in the monthly payment application. The ROM cost is unknown and may exceed the estimated cost, DBE will promptly advise owner upon reaching 75% of maximum amount to increase funds. Remaining budget in the ROM fund will be returned to the owner at the completion of the project by deductive change order.

Delay in design phase has pushed critical demolition, grading and foundation construction activities to periods of potentially higher weather related inefficiencies and impacts. Construction and weather related impacts are unknown. Impacts will be identified and recorded as they occur during construction.

Cost Code Description		Labor	Material Equipment		Subcontract	Other	Price	
01-0950	30% Floor Plan Revisions - ROM					\$198,618.24	\$198,618.24	
						Subtotal:	\$198,618.24	
						Total:	\$198,618.24	
	and the second s	(000)004.0	700					
if you ha	ve any questions, please contact me at	(209)931-3	3738.					

Submitted by: Daniel Hoff

F & H CONSTRUCTION

pproved by:	
'' _ ′	
Date:	

#### **Daniel Hoff**

From: Robert Hennessy <c\_rhennessy@smcgov.org>

**Sent:** Tuesday, January 02, 2018 12:02 PM

To: Daniel Hoff

Cc: Sam Lin; Deborah Bazan; Stephen Seibly; Sarah Hoff

Subject: RE: Animal Shelter - 30% Floor Plan Revisions - ROM Cost "CONSTRUCTION"

Hi Daniel,

Per our conversation this date, please resubmit the 30% Floor Plan Revision ROM for the revised amount \$198,618.00 (not including extended General Conditions/rain days) for final approval.

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

#### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

**From:** Daniel Hoff [mailto:dhoff@f-hconst.com] **Sent:** Tuesday, December 26, 2017 8:42 AM

**To:** Robert Hennessy < c\_rhennessy@smcgov.org>

**Cc:** Sam Lin <slin@smcgov.org>; Deborah Bazan <dbazan@smcgov.org>; Stephen Seibly <sseibly@f-hconst.com>; Sarah Hoff <shoff@f-hconst.com>

Subject: RE: Animal Shelter - 30% Floor Plan Revisions - ROM Cost "CONSTRUCTION"

Bob,

I believe there is a misunderstanding. The ROM or allowance cost was originally requested from Theresa and Sam for the sole purpose of allocating the County's funds for when the project does go out to bid and has an increase in cost due to upsizing the building and site work scope. Whether it is \$242,670.24 or \$198,618.24 doesn't affect F&H since when it goes out the bid the County will be liable for the cost increase due to the number of changes to the original contract scope. If you prefer, we can scrap the 30% ROM Cost change request all together.

Thanks,

Daniel Hoff / LEED AP BD+C

(209) 931-3738 **PHONE** 

(209) 269-6327 MOBILE

(209) 931-4427 **FAX** dhoff@f-hconst.com



1115 East Lockeford Street, Lodi, CA 95240

#### **WWW.F-HCONST.COM**





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From: Robert Hennessy [mailto:c rhennessy@smcgov.org]

**Sent:** Friday, December 22, 2017 10:10 AM **To:** Daniel Hoff < dhoff@f-hconst.com >

Cc: Sam Lin <slin@smcgov.org>; Deborah Bazan <dbazan@smcgov.org>

Subject: Animal Shelter - 30% Floor Plan Revisions - ROM Cost "CONSTRUCTION"

Hi Daniel,

As a follow-up to our conversation regarding the Construction (ROM) Cost for the 30% Revised Floor Plan Allowance (total ROM cost as submitted \$242,670.24 . see attachment), it was agreed to delete the extended overhead (15 days at \$2,936.80/day or \$44,052.00 <u>DEDUCT</u>) from the Construction (ROM) Cost as presented.

#### The revised Construction (ROM) Cost is now \$198,618.24.

It is understood that the revised ROM Cost is for Construction only and that in the event of rain or other delays, F&H may submit a Change Order Request for extended overhead.

Also, the separate Change Request for the Design Costs. Revised Floor Plans, is currently under review with resolution within the first week of Jan. 2018.

Please revise the Change Request form (Construction ROM in the amount of \$198,618.24) and forward to me for final processing.

Thank you,

Bob

Robert J. Hennessy PE
Senior Project Manager
(Independent Contractor)
c rhennessy@smcqov.org

Project Development Unit 1402 Maple Street DocuSign Envelope ID: 9CF8B7A8-09AB-4493-A210-3182139BDB76

Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

# ANIMAL SHELTER COUNTY OF SAN MATEO

1 Month Duration

1.00

GENERAL REQS. & CONDITIONS			MATL.	LABOR	MATERIAL	LABOR	BID		
DESCRIPTION	QTY.	UNIT	U. PRICE	U. PRICE	TOTAL	TOTAL	TOTAL		
IISC. ITEMS									
LAYOUT - FOREMAN ON SITE	24.0	HR	4.00	72.50	96	1,740	1,836		
TEMPORARY FENCE - RENT AFTER 12 MO	1,400.0	LF	0.25	0.00	350	0	350		
OFFICE EQUIPMENT & SUPPLIES - MO	1.0	MO	375.00	0.00	375	0	375		
DRINKING WATER	1.0	MO	120.00	0.00	120	0	120		
SAFETY SUPPLIES	1.0	МО	210.00	0.00	210	0	210		
TRAILER MONTHLY	1.0	MO	621.00	0.00	621	0	621		
STORAGE SHED (2 EACH)	2.0	EA	102.00	0.00	204	0	204		
TEMP UTILITIES									
POWER - TIE-IN TO EXISTING									
CORDS & DISTRIBUTION - 30 MIN. / DAY	1.0	MO	100.00	787.50	100	788	888		
MONTHLY	1.0	МО	702.00	0.00	702	0	702		
TEMP HEAT & AIR CONTROL IN BUILDING	1.0	MO	1,000.00	787.50	1,000	788	1,788		
WATER									
HOSE & DISTRIBUTION	1.0	LS	50.00	300.00	50	300	350		
SECURITY CAMERA - START									
SECURITY CAMERA - MONTHLY	1.0	MO	650.00	0.00	650	0	650		
TELEPHONE									
MONTHLY	1.0	MO	250.00	0.00	250	0	250		
MONTHLY CELL PHONE (PM, SUPER, PE)	3.0	MO	118.00	0.00	354	0	354		
PAPER WORK ITEMS			ı						
CPM SCHEDULING									
MONTHLY UPDATES - 16 HRS / MO	1.0	EA	2,400.00	0.00	2,400	0	2,400		
AS-BUILTS PRINTING COSTS	1.0	LS	75.00	0.00	75	0	75		
OWNERS ITEMS			ı						
TRIPLE WIDE TRAILER FOR PUBLIC USAGE									
RAMPS AND TEMP ACCESS @ PUBLIC AREA	1.0	MO	105.00	0.00	105	0	105		
TRAILER MONTHLY - DOUBLE WIDE	1.0	MO	1,257.00	0.00	1,257	0	1,257		
SEPTIC ABOVE GROUND AT TRAILER									
HOLDING TANK RENTAL	1.0	EA	59.40	0.00	59	0	59		
PUMP OUT TANKS	1.0	EA	162.00	0.00	162	0	162		
PORTABLE TOILET									
PORTABLE TOILET W/ SINK - 2	2.0	EA	108.60	0.00	217	0	217		
DUAL HANDWASH STATIONS	1.0	EA	65.40	0.00	65	0	65		
PUMP OUT AND SERVICE TOILETS	6.0	EA	43.20	0.00	259	0	259		
OWNER EQUIP - STORAGE SHED (IN & OUT COST	2.0	EA	102.00	0.00	204	0	204		
MISC. ITEMS									
PORTABLE TOILETS									
PORTABLE TOILET W/ SINK	3.0	EA	102.60	0.00	308	0	308		
DUAL HANDWASH STATIONS	1.0	EA	59.40	0.00	59	0	59		
PUMP OUT AND SERVICE TOILETS	12.0	EA	37.80	0.00	454	0	454		
BLUEPRINTING	1.0	МО	35.00	0.00	35	0	35		
ROAD AREA & MAINTENANCE / SITE CLEANING	1.0	MO	150.00	576.00	150	576	726		

	]		1	I			
SMALL TOOL PURCHASE & RENT	1.0	MO	350.00	0.00	350	0	350
SHIPPING / MAIL	1.0	МО	120.00	0.00	120	0	120
PROGRESS CLEANING - 1 HRS / DAY	1.0	MO	100.00	1,512.00	100	1,512	1,612
DUMPSTERS / RECYCLING / LEED	1.0	EA	825.00	0.00	825	0	825
YARD SERVICE	1.0	EA	275.00	0.00	275	0	275
				SUBTOTAL	12,562	5,703	18,265
SUPERVISION	1		1	1			
PROJECT MANAGER	1.0	MO	0.00	16,608.00	0	16,608	16,608
FIELD - SUPERINTENDENT	1.0	MO	0.00	15,916.00	0	15,916	15,916
FIELD - SITE FOREMAN 80 HRS/MO	1.0	MO	0.00	15,397.00	0	15,397	15,397
PROJECT ENGINEER	1.0	MO	0.00	1	0	8,650	8,650
				SUBTOTAL	0	56,571	56,571
VEHICLE ALLOWANCE	1 1		1	T			
PROJECT MANAGER	1.0	MO	600.00	0.00	600	0	600
FIELD - SUPERINTENDENT	1.0	MO	750.00	0.00	750	0	750
FIELD - ASSIST 50% OF TIME	1.0	MO	375.00	0.00	375	0	375
PROJECT ENGINEER	1.0	MO	450.00	0.00	450	0	450
				SUBTOTAL	2,175	0	2,175
SUBSISTENCE / TRAVEL							
PROJECT MANAGER	1.0	MO	0.00	770.00	0	770	770
FIELD - SUPERINTENDENT	1.0	MO	0.00	725.00	0	725	725
				SUBTOTAL	0	1,495	1,495
HOUSING							
HOUSING - SHARED PM & SUPERINTENDENT	1.0	МО	3,500.00	0.00	3,500	0	3,500
BRIDGE TOLLS - 4 PER WEEK	12.0	EA	5.00	0.00	60	0	60
FAST PASS BYPASS - 4 PER WEEK	12.0	EA	3.50	0.00	42	0	42
1			•	SUBTOTAL	3,602	0	3,602
EQUIPMENT RENTAL							
FORKLIFT - BOOM TYPE	1.0	МО	2,420.00	0.00	2,420	0	2,420
MISCELLANEAOUS	1.0	МО	300.00	0.00	300	0	300
1			•	SUBTOTAL	2,720	0	2,720
FUEL / OIL / MAINTENANCE					,		,
PROJECT MANAGER	1.0	МО	925.00	0.00	925	0	925
SUPERINTENDENT	1.0	МО	901.00			0	901
PROJECT ENGINEER	1.0	МО	400.00			0	400
FORKLIFT	1.0	MO	500.00			0	500
MISC. EQUIPMENT	1.0	МО	300.00			0	300
MAINTENANCE	2.0	EA	125.00			0	250
			1 122,000	SUBTOTAL	3,276	0	3,276
				TTL ABOVE	24,335	63,769	88,104
					OVERHEAD		2,936.8

Building Program Report - SF COMPARISON								
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%			
Room								
No.	Room Name	Net SF	Net SF	Net SF	Net SF			
101	ENTRY VESTIBULE	64	112	101	-11			
102	CLIENT LOBBY	300	838	736	-102			
103	COUNTER & WORK AREA	300	301	411	110			
104	DOG TETHER AREA	80	55	76	21			
105	INITIAL SURRENDER EXAM	90	120	110	-10			
106	CLIENT EXAM ROOM	80	96	81	-15			
107	OWNER PRESENT EUTHANASIA	80	96	90	-6			
109	DONATION STORAGE	154	80	53	-27			
110A	PUBLIC RESTROOM MEN	112	58	114	56			
110B	PUBLIC RESTROOM WOMEN		58	114	56			
204	VETERINARY SERVICES MANAGER	168	180	208	28			
	ANIMAL CONTROL DISPATCH							
206	OFFICE	126	131	161	30			
200	ANIMAL CONTROL CAPTAIN	123	101					
207	OFFICE	108	116	134	18			
208	ANIMAL CONTROL CORPORALS	126	140	126	-14			
209	ANIMAL CONTROL STAFF	126	126	126	0			
207	ANIMAL CONTROL LEAD	120	120	120				
210	SUPERVISORS	126	140	134	-6			
211	ANIMAL CONTROL SQUAD ROOM		341	270	-71			
	ANIMAL CONTROL RECORDS							
212	STORAGE	80	80	98	18			
	ANIMAL CONTROL EVIDENCE			, •	1			
213	STORAGE	80	80	116	36			
	PURCHASING COORDINATOR							
215	OFFICE	80	88	108	20			
217	HUMAN RESOURCES OFFICE	126	135	161	26			
221	WILDLIFE HOLDING (318)	64	72	100	28			
221	BEHAVIOR STAFF OFFICE	270	135	145	10			
221	BEHAVIOR STAFF OFFICE	2,0	135	145	10			
222	BEHAVIOR PROG STAFF STORAGE	100	107	102	-5			
223	BEHAVIOR VOLUNTEER STORAGE	64	31	63	32			
224	RECORD STORAGE	160	72	112	40			
227	MULTI-PURPOSE ROOM	1600	1650	1628	-22			
229	FELINE KITCHEN (403A)	160	160	217	57			
232	FELINE BEHAVIOR STORAGE (317)	48	50	18	-32			
243	NIGHT DROP (108)	120	122	137	15			
243	VICE PRESIDENT OFFICE (202)	80	138	155	17			
Z44	` '	00	130	100	17			
245	DIRECTOR OF VETERINARY ANIMAL	00	120	101	17			
245	CARE (203)	80	138	121	-17			
047	SENIOR MANAGER/PRESIDENT	1 4 4	1.5	1 45				
246	OFFICE (201)	144	165	145	-20			

	<b>Building Program</b>	Report	- SF CC	DMPA	RISON
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%
Room					
No.	Room Name	Net SF	Net SF	Net SF	Net SF
	ANIMAL CARE MANAGER OFFICE				
247	(218)	168	137	170	33
248	IT OFFICE (216)	196	200	196	-4
249	SMALL CONFERENCE ROOM (225)	130	147	140	-7
250	LARGE CONFERENCE ROOM (226)	308	341	326	-15
	VOLUNTEER COORDINATOR				
251	OFFICE (214)	126	115	126	11
302	INDOOR KENNELS	2187	4258	4342	84
3020	OUTDOOR KENNELS	3645	7845	7449	-396
305	MEDICAL ISOLATION	144	235	242	7
	FELINE GENERAL POPULATION				
306	CAGES	540	300	302	2
306	FELINE GENERAL POPULATION		300	302	2
307	FELINE/RABBIT CAGES	270	300	302	2
309	URI KITTEN CAGES	300	300	315	15
310	FERAL QUARANTINE	300	240	302	62
311	KITTEN	264	300	302	2
312	PREGNANT/NURSING FELINE	72	72	87	15
313	ADULT FELINE URI	168	203	248	45
314	FELINE BEAVIOR CONDO	192	201	267	66
315	FELINE BEHAVIOR COLONY	144	49	48	-1
315	FELINE BEHAVIOR COLONY		50	47	-3
315	FELINE BEHAVIOR COLONY		51	48	-3
316	FELINE VOLUNTEER SOCIALIZATION	117	59	53	-6
316	FELINE VOLUNTEER SOCIALIZATION		59	53	-6
319	SMALL MAMMAL	100	100	105	5
320	AVIAN	120	120	148	28
321	EXOTICS	120	98	198	100
321	AVIAN EXOTICS KITCHENETTE (320A)		22	18	-4
322	INTAKE/PROCESSING	100	118	118	0
325	RABBIT EXERCISE YARD	168	134	175	41
327	MAIN BUILDING CORRIDOR		3310	3314	4
323	CIRCULATION/CORRIDORS/SF ADJ		2927	2885	-42
401	BATHING/GROOMING	150	150	153	3
402	CANINE KITCHEN (228)	48	14	0	-14
402	CANINE FOOD PREP	150	150	161	11
404	LAUNDRY	264	309	244	-65
405	BEHAVIOR EVALUATION	225	318	327	9
407	EUTHANASIA (SHELTER)	120	120	222	102
408	COOLER VESTIBULE	96	96	110	14
409	WALK-IN COOLER	180	180	208	28
505	medical gas storage	48	72	39	-33
507	STAFF LOUNGE / BREAKROOM	324	274	354	80

	Building Program	Report	- SF CC	<b>DMPA</b>	RISON
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%
Room					
No.	Room Name	Net SF	Net SF	Net SF	Net SF
508	WOMEN STAFF SHOWER/LOCKER		174	0	-174
509	MEN STAFF SHOWER/LOCKER	324	170	55	-115
509	mens staff restroom	112	69	115	46
509	WOMENS STAFF RESTROOM		53	115	62
510	ANIMAL CARE STORAGE	625	629	621	-8
511	MAIN IT/COMPUTER	100	123	90	-33
512	STORAGE (820)		40	372	332
513	CHEMICAL STORAGE (506)	225	227	207	-20
514	MAINTENENCE & SHOP (501)	400	450	464	14
515	COUNTY STORAGE (814)		39	46	7
516	MAINTENENCE STORAGE (807)	100	100	100	0
	ANIMAL RESCUE & CONTROL				
517	EQUIPMENT STORAGE (220)	240	203	231	28
518	STORAGE (610)	150	147	156	9
518	STORAGE		0		0
519	VETERINARIANS OFFICE (619)	120	224	271	47
520	CHEIF OF STAFF OFFICE (618)	126	126	182	56
	RINGWORM ISOLATION				
521	ROOM(615)	100	100	100	0
522	FERAL RECOVERY CLOSET (605)	48	48	48	0
523	PHARMACY COUNTER (622)	28	18	24	6
524	X-RAY (609)	150	150	171	21
524	CLOSET		0	41	41
601	LOBBY/RECEPTION	200	558	571	13
602	PRE-OP EXAM ROOM	90	95	118	23
603	SURGERY PREP/RECOVERY	288	144	143	-1
603	SURGERY PREP/RECOVERY		144	143	-1
604	RECOVERY CAGES/ CIRCULATION	324	368	587	219
606	OPERATORY	165	165	187	22
607	PACK/PREP/SCRUB	120	120	98	-22
608	LAUNDRY	180	175	176	1
611	SECURE STORAGE	48	70	68	-2
612A	3 TABLE TREATMENT	288	144	144	0
612B	3 TABLE TREATMENT		144	144	0
614	ICU CAGES	84	31	24	-7
	RINGWORM				,
616	HOLDING/EVALUATION	56	70	76	6
617	LAB COUNTER	112	80	80	0
621	DOCTORS FISHBOWL	63	61	61	0
624	PUBLIC RESTROOM	56	56	56	0
625	STAFF RESTROOM	56	0	0	0
800	SINK		6		-6
801	SINK		6		-6

E	Building Program Report - SF COMPARISON							
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%			
Room No.	Room Name	Net SF	Net SF	Net SF	Net SF			
802	SINK		6		-6			
803	POND PUMP		29	22	-7			
805	MECHANICAL ROOM (501B)		150	134	-16			
806	FIRE		25	23	-2			
809	VOLUNTEER PROGRAM		240	196	-44			
810	PUMP EQUIP (808)		67	37	-30			
810	MAIL		14	11	-3			
811	STORAGE		18	106	88			
812	FILE		30	30	0			
813	STORAGE		92	0	-92			
814	(E) AVIARY		0	50	50			
815	JANITOR		33	0	-33			
816	JANITOR		70	47	-23			
817	JANITOR		45	0	-45			
821	ELECTRICAL		137	134	-3			
875	TABLES AND CHAIRS (227A)		110	108	-2			
	TOTALS	21758	37213	40948	832			

# County of San Mateo - Animal Care Shelter Exhibit E -Building Program Spreadsheet

Grossing Factor - Typical: 1.33

Grossing Factor - Kennels/Runs: 2.5

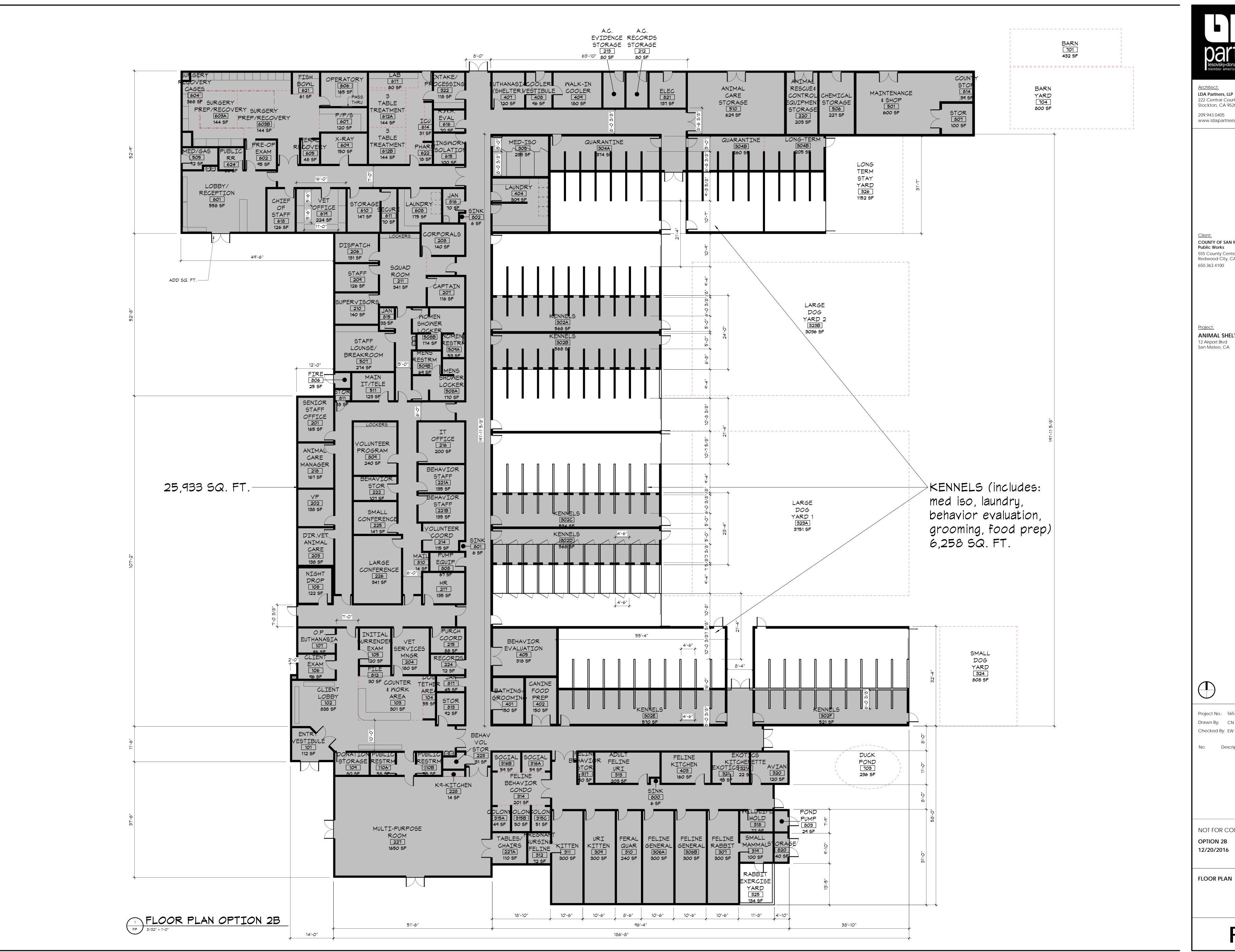
The Narrative document details the requirement of rooms that have special considerations. The room listing in the Narrative is not meant to be a complete listing of all rooms; however, this document is meant to list all of the rooms required within the bridging documents. Room requirements may be indicated on more than one document. The Grossing Factors are guidelines to convey approximate circulation space. Acutal Grossing Factors/Circulation space depends upon the final design.

	Qty		Siz	е	Net SF	Factor	Gross	Outdo	or Area	Notes
0 - Public Receiving										
101 - Entry Vestibule	1	8	Х	8	64	1.33	85			
102 - Client Lobby	1	15	Х	20	300	1.33	399			
103 - Counter & Work Area	1	15	Х	20	300	1.33	399			4 computer stations
104 - Dog Tether Area	1	4	Х	20	80	1.33	106			Space for a crate & tying up a couple dogs
105 - Initial Surrender Exam	1	9	Х	10	90	1.33	120			w/ sinks (behind counter for staff use)
106 - Client Exam Rooms	1	8	Х	10	80	1.33	106			on public side of counter - no sinks
107 - Owner-Present Euthanasia	1	8	Х	10	80	1.33	106			Quiet, more remote access from lobby
108 - Night-Drop	1	10	Х	12	120	1.33	160			6 total drop box 18" above ground
109 - Donation Storage	1	11	Х	14	154	1.33	205			
110 - Public Restrooms	2	7		8	112	1.33	149			
					1,380		1,835			
0 - Administration/Support Areas					1,000		1,000			
201 - Senior Manager/President Office	1	12	Х	12	144	1.33	192			For 2 people
202 - Vice President Office	1	8	Х	10	80	1.33	106			Single Occupancy
203 - Director of Veterinary Animal Care	1	8	Х	10	80	1.33	106			Single Occupancy
204 - Veterinary Services Manager	1	12	Х	14	168	1.33	223			VS Mgr & Supervisors (3 people)
206 - Animal Control Dispatch Office	1	9	Х	14	126	1.33	168			3 Workstations
207 - Animal Control Captain Office	1	9	Х	12	108	1.33	144			Single Occupancy
208 - Animal Control Corporals	1	9	Х	14	126	1.33	168			3 Workstations
209 - Animal Control Staff	1	9		14	126	1.33	168			3 Workstations
210 - Animal Control Lead Supervisors	1	9	Х	14	126	1.33	168			
211 - Animal Control Squad Room	1	15	Х	24	360	1.33	479			
212 - Animal Control Records Storage	1	8	Х	10	80	1.33	106			
213 - Animal Control Evidence Storage	1	8	Х	10	80	1.33	106			
214 - Volunteer Coordinator Office	1	9		14	126	1.33	168			2 Workstations
215 - Purchasing Coordinator Office	1	8		10	80	1.33	106			
216 - IT Office	1	14	Х	14	196	1.33	261			For 2 people and equipment
217 - Human Resource Office	1	9	Х	14	126	1.33	168			For 2 people
218 - Animal Care Manager Office	1	12	Х	14	168	1.33	223			AC Mgr & Leads (4 people)
220 - Animal Rescue & Control Equip Storage	1	12	Х	20	240	1.33	319			
221 - Behavior Staff Office	2	9	Х	15	270	1.33	359			2 Workstations oversized for working with dogs
222 - Behavior Prog Staff Storage	1	10	Х	10	100	1.33	133			
223 - Behavior Volunteer Storage	1	8	Х	8	64	1.33	85			
224 - Record Storage	1	8	Х	20	160	1.33	213			
225 - Small Conference Room	1	10	Х	13	130	1.33	173			Room for 7
226 - Large Conference Room	1	14	Х	22	308	1.33	410			Room for 15
227 - Multi-Purpose Room	1	40	Х	40	1,600	1.33	2,128			
228 - Canine Kitchenette	1	6	Х	8	48	1.33	64			Support for Training/Multi-purp
					5,220		6,943			
0 - Domestic Animal Holding					•				•	
	65	4.5	Х	6	1,755	2.5	4,388	2,925	s.f.	preference is 10-12 maximum per room, outdoor kennel area should be 4.5' x 10' min
304 - Quarantine (Dangerous & Quarantine)	16	4.5	х	6	432	2.5	1,080	720		Village Style Housing, with min.4.5' x 10' outdoor run area each, plus access for direct access from outdoor runs to larger shared yards
305 - Medical Isolation Kennels	4	4.5	Х	8	144	2.5	360			Indoor only
	2	27	Х	40	540	1.33	718			(2) rows of (9) 36" cages per room (9 x 3'= 27 lf)

June 22, 2016

	Qty		Siz	:e	Net SF	Factor	Gross	Outdoor Area	Notes
307 - Feline/Rabbit Cages	1	27	Х	10	270	1.33	359		(2) rows of (9) 36" cages per room (9 x 3'= 27 lf)
309 - URI Kitten Cages	1	30	Х	10	300	1.33	399		(2) rows of (10) 36" cages per room (10 x 3'= 30 lf) space for 6' counter
310 - Feral Quarantine	1	30	Х	10	300	1.33	399		(2) rows of (10) 36" cages per room (10 x3'=30 lf)
311 - Kitten	1	33	Х	8	264	1.33	351		(2) rows of (10) 36" cages per room (10 x 2'-6"=25 lf)
312 - Pregnant/Nursing Feline	1	9	X	8	72	1.33	96		(2) rows of (3) 36" cages per room (3 x 3'=9 lf)
313 - Adult Feline URI	1	21	X	8	168	1.33	223		(2) rows of (7) 36" cages per room (7 x 3'=21 lf)
314 - Feline Behavior (Condo) Room	1	12	X	16	192	1.33	255		Space for 6 free-standing condos (total incl. condos & colonies)
315 - Feline Behavior (Colony) Room	3	6	X	8	144	1.33	192		Built-in, full height
316 - Feline Volunteer Socialization Room	2	6.5	×	9	117	1.33	156		Cabinet & chairs
317 - Feline Behavior Storage	1	6.5	X	8	48	1.33	64		Cabinet & Chairs
318 - Wildlife Holding	1	8	X	8	64	1.33	85		
319 - Small Mammal	1		X						
	1	10		10	100	1.33	133 160		
320 - Avian	1	10	Х	12	120				Factoria
321 - Exotics	1	10	Х	12	120	1.33	160		Ectotherms
322 - Intake/Processing	1	10	Χ	10	100	1.33	133		refrig, computer, sink, 8' counter
323 - Large Dog Exercise Yard	1	55	х	85				4,675	One $60 \times 90 \& (2) 25 \times 25$ (or 2 larger, one smaller if possible), Mulch surfacing, 10' fencing typical, double gate, small shaded area at each yard
324 - Small Dog Exercise Yard	1	25	Х	25				625	
325 - Rabbit Exercise Yard	1	12	Х	14				168	Covered Area, concrete surface
					5,250		9,710	9,113 SF	
4.0 - Animal Support Spaces							<u>'</u>	,	
401 - Bathing/Grooming	1	10	Х	15	150	1.33	200		Central Vacuum
402 - Canine Food Prep	1	10	X	15	150	1.33	200		2 compartment scullery sink Hobart under-counter sink
403 - Feline Kitchen	2	8	X	10	160	1.33	213		Under-counter DW each room
404 - Laundry	1	12	×	22	264	1.33	351		(2) washer/extractors (2) dryers
405 - Behavior Evaluation	1	15	X	15	225	1.33	299		(2) washer/extractors (2) dryers
407 - Euthanasia (Shelter)	1	10	X	12	120	1.33	160		
407 - Editialiasia (Sheller) 408 - Cooler Vestibule	1				96		128		Chaot (alumly) Frances 9 Hand Defrigarator
409 - Walk-In Cooler	1	8 12	X	12	180	1.33	239		Chest (skunk) Freezer & Head Refrigerator
409 - Walk-III Coolei		12	Х.	15		1.33			
5.0 - Facility Support Services					1,345		1,789		
501 - Maintenance & Shop (not incl. stor.)	1	20	Х	20	400	1.33	532		400 s.f. would include facility maintenance if by PHS
503 - Maintenance Storage	1	10	X	10	100	1.33	133		400 s.n. would include racinty maintenance in by 1 110
505 - Medical Gas Storage	1	6	X	8	48	1.33	64		10 cylinders
506 - Chemical Storage	1	15	X	15	225	1.33	299		Room for (12) 55 gallon drums
500 - Crieffical Storage 507 - Staff Lounge/Break Room	1	18		18			431		
	1		X		324	1.33	431		Seating for 20 (Like Lantos)
508 - Shower/Locker Room	2	9	X	18	324	1.33			
509 - Staff Restrooms		7	X	8	112	1.33	149		Combined with 200 Clavers
510 - Animal Care Storage	1	25	Х	25	625	1.33	831		Combined with 308 Storage
511 - Main IT/Computer	1	10	x	10	100	1.33	133		
Room/Telephone Room	_ [ _								
					2,258		3,003		
6.0 - Clinic (Spay/Neuter & Shelter Medicine - A/	AHA Ce	ertified)	)						
601 - Lobby/Reception	1	10	Х	20	200	1.33	266		Counter space for 2
602 - Pre-Op Exam Room	1	9	Х	10	90	1.33	120		
603 - Surgery Prep/Recovery	2	12	Х	12	288	1.33	383		2 tables & recovery
604 - Recovery Cages	1	54	Х	6	324	1.33	431		34 Total Cages w/ (8) 4' cages (54 If of 30" cages +42" clear space in front)
605 - Feral Recovery Closet	1	6	Х	8	48	1.33	64		
606 - Operatory	1	11	Х	15	165	1.33	219		2 tables in single room
607 - Pack/Prep/Scrub	1	10	Х	12	120	1.33	160		<b>.</b>
608 - Laundry	1	12	X	15	180	1.33	239		
609 - X-Ray	1	10	X	15	150	1.33	200		
610 - Storage	1	15	X	10	150	1.33	200		Now include mobile program supplies
611 - Secure Storage	1	6	X	8	48	1.33	64		Narcotics Drug Storage
UTT - Secure Storage	1	υ	λ	0	40	1.33	04		Indicolics Diug Stolage

	Qty		Siz	ze	Net SF	Factor	Gross	Outd	loor Area	Notes
612 - Three-Table Treatment	2	12	Х	12	288	1.33	383			Treatment/Exam (Shelter General Treatment & Dentistry)
614 - ICU Cages	1	7	Х	12	84	1.33	112			
615 - Ringworm Isolation Room	1	10	Х	10	100	1.33	133			8 Cages mix of sizes
616 - Ringworm Holding/Evaluation	1	7	Х	8	56	1.33	74			4 Cages, supplies, deep sink for dipping
617 - Lab Counter	1	7	Х	16	112	1.33	149			
618 - Chief of Staff Office	1	9	Х	14	126	1.33	168			Shared with Mobile Coordinator position
619 - Veterinarians Office	1	10	Х	12	120	1.33	160			5 Cubbies
621 - Doctors Fishbowl	1	7	Х	9	63	1.33	84			for 2 techs
622 - Pharmacy Counter	1	7	Х	4	28	1.33	37			for 1 tech to sit
624 - Public Restroom	1	7	Х	8	56	1.33	74			
625 - Staff Restroom	1	7	Х	8	56	1.33	74	_		
					2,852		3,793			
7.0 - Farm Animal Holding										
701 - Barn	1	12	Х	36				432		with covered outside area (all concrete) & space for 4 stainless steel cages for chicken isolation
703 - Duck Pond	1	12	Х	20				240		6 x 8 pond in fenced area of 12 x 20
704 - Barnyard	1	20	Х	40				800		
								1472	SF	
TOTALS										
Total Indoor	•		•	•	18,305	<del>-</del>	27,073		<del>-</del>	
Total Outdoor								10,585		
Total Indoor & Outdoor Area Net					28,890					
Total Indoor & Outdoor Area Gross							37,658			





<u> Architect:</u> LDA Partners, LLP 222 Central Court Stockton, CA 95204 209.943.0405 www.ldapartners.com

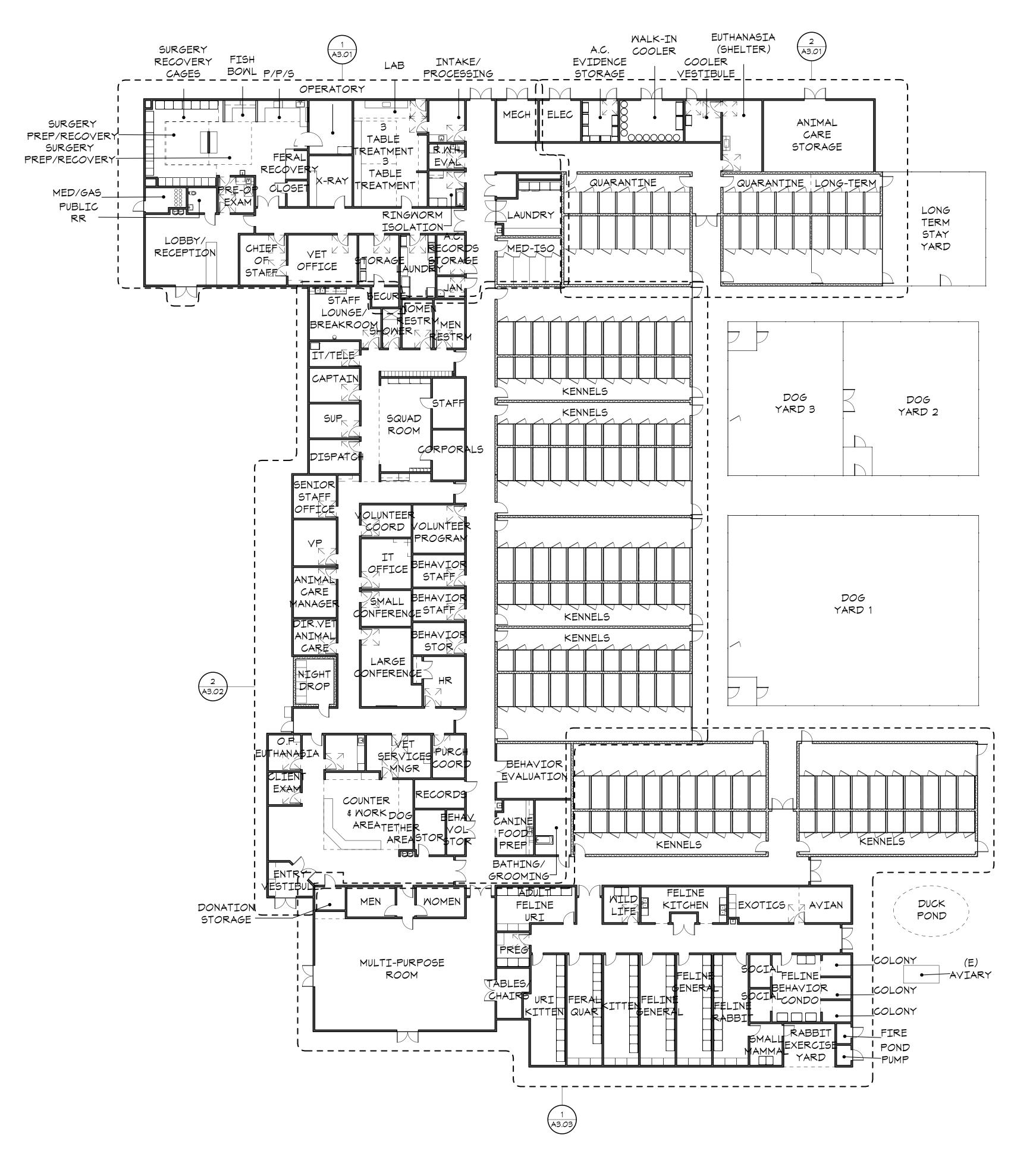
COUNTY OF SAN MATEO - Dept of **Public Works** 555 County Center - Fifth Floor Redwood City, CA 94063

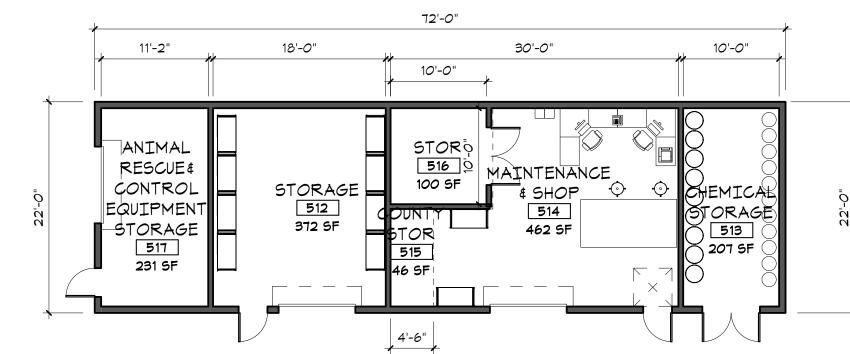
Project: ANIMAL SHELTER REPLACEMENT 12 Airport Blvd San Mateo, CA

Drawn By: CN Checked By: EW

No. Description

NOT FOR CONSTRUCTION **OPTION 2B** 





MAINTENANCE SHOP

A3.00

1" = 10'-0"



Architect:

LDA Partners, LLP

222 Central Court
Stockton, CA 95204

209.943.0405

www.ldapartners.com

<u>Client:</u>

COUNTY OF SAN MATEO - Dept of Public Works 555 County Center - Fifth Floor Redwood City, CA 94063 650.363.4100

PROJECT

ANIMAL SHELTER REPLACEMENT 12 Airport Blvd San Mateo, CA

Project No.: 565-05-16

Drawn By: CN

Checked By: EW

No. Description

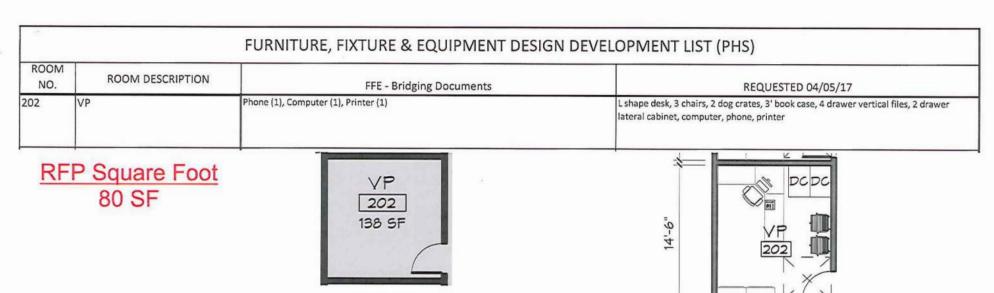
Date By

NOT FOR CONSTRUCTION

5/5/2017 30% SD DRAWINGS

OVERALL FLOOR PLAN

A3.00



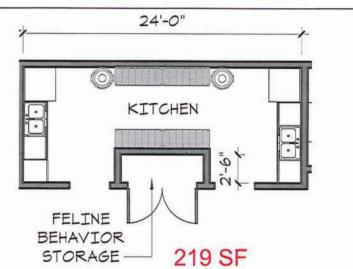
138 SF 174 SF

	FURNITURE, FIXTURE & EQUIPMENT DESIG	N DEVELOPMENT LIST (PHS)
ROOM DESCRIPTION	FFE - Bridging Documents	REQUESTED 04/05/17
FELINE KITCHEN	Dishwasher (1), Open Shelving (1), Refrigerator - Full (1)	double sink, food, racks, garbage cans on wheels with dry food, can food, medical food hobart dishwasher, counterspace, full size frig
		FFE - Bridging Documents

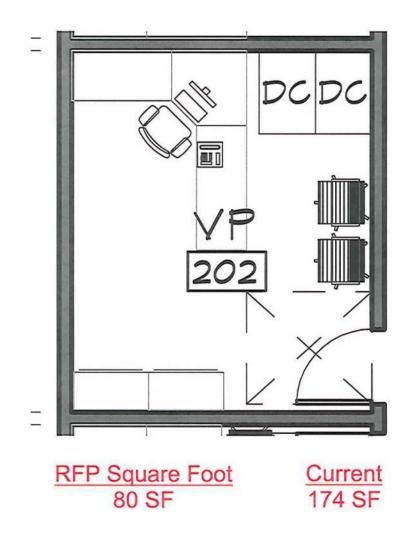
RFP Square Foot 160 SF

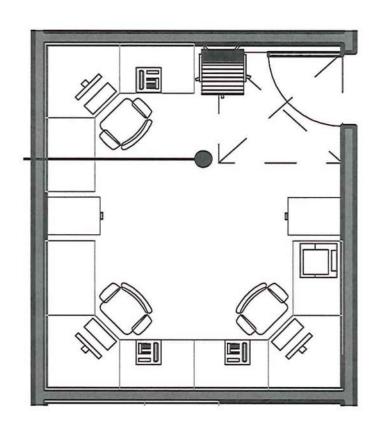


160 SF



# Standard vs Non-Standard Work Station and Design



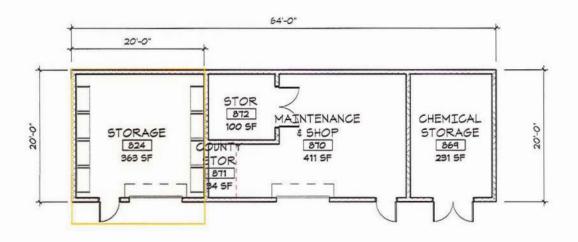


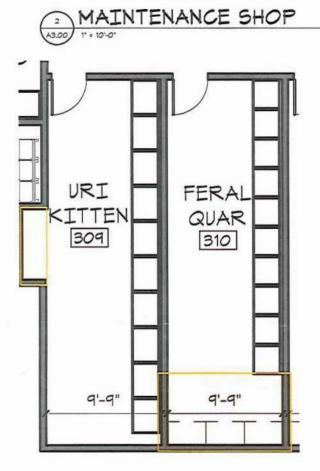
RFP Square Foot

137 SF

Current 168 SF

ADDITIONAL SPACES	
SINK	
SINK	
SINK	
POND PUMP	
ELECTRICAL	
MECHANICAL	
FIRE	
STORAGE	
PUMP EQUIPMENT	
VOLUNTEER PROGRAM	
MAIL	
STORAGE	
FILE	
STORAGE	
COUNTY STOR	
JANITOR	
JANITOR	
JANITOR	
ROOM	
STORAGE	
ELECTRICAL	
FIRE RISER	
MECHANICAL	7.9
STORAGE	
PUBLIC RESTROOM	
IT/TELE	







June 2, 2017

San Mateo County 1402 Maple Street Redwood City, CA 94063

Attention:

Theresa Yee, CPC, DBIA

Reference:

Project Costs and Design Delays

San Mateo County Animal Shelter – Project Number P23G6

#### Dear Theresa:

F&H Construction (F&H) and the project team are concerned with the design progress and the County's ability to absorb the resulting cost and schedule impacts. F&H assumes County shares this concern. The lack of information provided in the Bridging Documents is likely the cause of the issue and F&H is continuing to work with the County and PHS to deal with the changes in requirements and information requested. F&H has continued to make alterations to the design each week leading to the completion of the 30% drawings.

The costs identified based on the 30% drawings and the HVAC changes are as follows:

Square Footage Costs (832 square feet)

\$205,000.00 - \$303,680.00

2. HVAC / Zoning Changes (convert to DX & 4 zones)

\$470,350.00

Please note that the identified costs include the estimated costs and impacts of additional square footage added after 12/20 Contract Drawings. The costs and impact are estimated. The full extent of the costs and impacts will not be finalized until contracts have been fully executed with subcontractors. The additional cost of furniture, fixtures, and equipment (FF&E) and mechanical, plumbing, and electrical costs specific to FF&E will be included in the 60% Variance report.

The abovementioned costs and any additional costs incurred due additional scope and design delays are the responsibility of the County and are not to be funded by construction contingency stated in the contract documents.



### **Square Footage Changes and Costs**

Attached is a spread sheet for your review that shows the square footage of each room, which includes (1) Bridging Document's Prescribed Square Footages, (2) 12/20 Contract Drawing Square Footages, (3) 30 % Revised Square Footages and (4) Variance from Contract to 30% Drawings.

The changes made in the 30% drawings and deviation from the Bridging and Contract Documents are a result of the following items:

- Additional personnel equipment required for specific rooms;
- Added FF&E and sizing changes;
- Additional required storage areas;
- · Floor plan reconfiguration; and
- Program and/or operational discrepancies.

To date, F&H has added eight hundred and thirty-two (832) square feet of building/scope to the project. F&H has made its best effort to identify the changes and costs changes based on the 30% drawings that were requested, and has been reaching out to subcontractors for their assistance in developing these costs. Currently, the Rough Order of Magnitude (ROM) based on the developed plan changes is in the neighborhood of \$205,000 to \$303,650. These added costs include:

- · Changes made to the main building;
- · Additional underground water, sewer and fire line to the new metal building; and
- Added metal building to house storage, maintenance and chemical storage.

#### **DESIGN DELAYS**

F&H assumed three design coordination meetings would be necessary to complete the 30% SD Phase drawing (DES – 1000), with a scheduled completion date of March 31, 2017. Typically three meetings are not necessary to reach 30% SD as they are provided within the Bridging Documents; however, upon review of the Animal Shelter Replacement Bridging Documents during the proposal phase, F&H realized that some revisions would be necessary to reach 30% SD. While F&H was aware that some changes would be necessary, it did not anticipate that nearly every room in the facility would require significant modifications and that the lack of information contained in the Bridging Document in conjunction with the unforeseen continuing requests for modifications would go well beyond our contract with the County. In the end, it took seven coordination meetings to complete the drawings, with the final submission on May 5, 2017, 25 days beyond the intended completion date. F&H could not have reasonably assumed that seven coordination meetings and an additional 25 days would be necessary.

California Office: 1115 East Lockeford Street, Lodi, CA 95240 | (209) 931-3738 TEL (209) 931-4427 FAX

Hawaii Office: 1728 Wili Pa Loop, Suite 200, Wailuku, HI 96793 | (808) 871-8515 TEL (808) 871-9322 FAX

Mailing Address: P.O. Box 2329, Lodi, CA. 95241



F&H noted the potential delay early on in the design phase, and the initial request for ten (10) days non-compensatory delay was granted. Because the delay exceed the ten (10) day request, it has resulted in additional cost and schedule impacts, for which F&H is not responsible. Currently, the full extent of the impact is unknown.

This trend has continued into the 60% DD. The reflected ceiling design and incorporating ZNE criteria serve as good examples. The reflected ceiling design was originally discussed prior to the contract (12/20/16) drawings. It was reviewed and altered on May 17<sup>th</sup>, 2017. On May 31<sup>st</sup>, 2017, the County once again requested modifications to be made to the ceiling types and requirements. Additionally, F&H is awaiting the County's decision on ZNE. Impacts are not included in the original proposal for ZNE. If a decision is not made in a timely manner, additional design and construction costs will continue to incur due to schedule delays.

#### **HVAC / MAU UNITS**

The value engineering (VE) to the HVAC system removed the Hydronic system and the non-animal holding areas became single zone variable units. The contractual zoning plan meets the requirements of the Bridging Documents, Exhibit G. The animal holding areas zoning plan was not a VE consideration. Frank M. Booth designed the HVAC system to use MAU evaporative cooling units which meets the requirements of the Bridging Documents, Exhibit G, with respect to temperature ranges, Relative Humidity (RH), and zoning. The County has directed F&H to proceed with adding two (2) zones to the animal holding area and convert existing evaporative cooling units to DX cooling units. Estimated cost is \$470,350.

In acknowledgment of additional cost, F&H will need formal direction for the HVAC system. This issue has already started to impact the design schedule and will continue to do so with increasing cost consequences if a decision is not made in a timely manner.

In conclusion, F&H is eager to proceed with this project. To do so, F&H needs the County's notice to proceed with the 30% drawings estimated costs and the HVAC modification proposal and would like verification of funding. Currently, the combined ROM based on the 30% drawings and HVAC modifications approximately \$675,350 to \$774,030.



Thank you in advance for your cooperation in these matters and F&H looks forward to our continued professional relationship on this project.

Sincerely,

**Daniel Hoff** 

Assistant Project Manager

Enclosure

**DATE**: August 11, 2017

TO: DANIEL HOFF

CC: STEPHEN SEIBLY

FROM: JAMES KELLY

**REFERENCE**: SAN MATEO ANIMAL SHELTER

**SUBJECT:** TIME IMPACT ANALYSIS #001

CPM SCHEDULE: (Total Float -86 working days) The Contract Completion Date is 3/25/19. However, the project is forecasting a current Project Completion Date of 7/26/19. This is a negative variance of 86 working days; 123 calendar days.

**TIA #001 Summary:** The Design Phase has extended beyond the approved Baseline Schedule and is driving the critical path of the schedule by 86 working days. This negative variance is comprised of multiple design issues; 20 of the 86 working days of this overall delay are listed and detailed below:

• 30% SD Bridging Documents – 25 Days (20 Day Impact)

Figure 1 – TIA #001 High Level Summary (20 working days):

ACTI	VITY ID	ACTIVITY NAME	ORG DUR	REM Dur	START	FINISH	FNANJJASONDJFNANJJASONDJFNAN.
	County of San	Mateo - Animal Care Shelter -Updated Bas	562	473	13-Mar-17 A	29-Apr-19	
	Administrative		562	473	21-Mar-17 A	29-Apr-19	
1	■ Project Summa	ıry	505	473	21-Mar-17 A	29-Apr-19	
	MS-1100	Animal Care Shelter Project Duration - Contractual	735	655	21-Mar-17 A	25-Mar-19	An
	MS-1280	**30% SD - Bridging Design / Design Meeting Discrepancies	25	25	26-Mar-19	29-Apr-19	<b>□</b>
[	<ul><li>Milestones</li></ul>		0	0	21-Mar-17 A	21-Mar-17 A	
	■ General		0	0	21-Mar-17 A	21-Mar-17 A	
	MS-1080	Notice to Proceed - Commencement of Work	0	0	21-Mar-17 A		◆ Notice to Proceed - Commencement of Work
	Pre-Construct	ion	25	0	13-Mar-17 A	19-May-17 A	
1	<ul> <li>Design Build Ph</li> </ul>	ase	25	0	13-Mar-17 A	19-May-17 A	
	Building Pack	age 2	25	0	13-Mar-17 A	19-May-17 A	
	DES-1000	30% SD Phase	15	0	13-Mar-17 A	31-Mar-17 A	■ 30% SD Phase
	DES-1260	**30% SD - Bridging Design / Design Meeting Discrepancies	25	0	03-Apr-17 A	05-May-17 A	= **30% SD - Bridging Design / Design Meeting
	DES-1010	30% SD Phase SMC Review & Approval	10	0	05-May-17 A	19-May-17 A	■ 30% SD Phase SMC Review & Approval

#### TIA #001 Details:

**30% SD Bridging Design (20 Days):** From the 30% SD Design through being ready to submit for review and approval. The Bridging Design and Design Meeting Discrepancies <u>resulted in 25 working day impact</u> to the project. However, the 30% SD's actually started 5 days prior to notice to proceed reducing the critical impact to 20 working days.

Figure 2 – 30% SD's (20 working day impact):



Please confirm the acceptance of this work and 20 working days; 28 calendar days will be added to the overall project duration and will be addressed in the next schedule update and narrative. This will extend the Project Completion Date from 3/25/19 to a new Project Completion Date of 4/22/17.

End-



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 8

Date: 3/16/2018

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

30% Floor Plan Revisions - Design LS

8002 30% Floor Plan Revisions - Design LS

•

\$60,840.75

Scott Gurley Robert Hennessy

4/16/2020

Assistant Director

DocuSigned by:

Scott Gurley

DocuSigned by:

Robert Hennessy
—AB3B77D60A0D483...

\$60,840.75

DocuSigned by:

4/16/2020

Sam Lin

Sam Lin —EE1B7F4B372C432...

\$60,840.75

The original Contract Amount was	\$19,699,197.00
Net change by previously authorized Change Orders	\$1,020,879.97
The Contract Amount prior to this Change Order was	\$20,720,076.97
The Contract will be increased by this Change Order in the amount of	\$60,840.75
The new Contract Amount including this Change Order will be	\$20,780,917.72

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

The date of Substantial Com	pletion as of the date of this Change Order therefore	ıs
ARCHITECT	FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241	OWNER
(Signature)	(Signature)	See Change Request 8002 (Signature)
Ву	By 3/16/18	See Change Request 8002  By See Change Request 8002
Date	Date	Date



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Request

To: Robert Hennessy

Jacobs

Number: 8002

Date: 8/2/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: 30% Floor Plan Revisions - Design LS

Reason: Design Change

Initiated by: Theresa Yee (San Mateo County)

We are pleased to offer the following specifications and pricing to make the following changes:

Revisions to the floor plan due to discrepancies in the bridging documents in regards to square foot and operational program requirements. Pricing is provided as LS Cost of design and coordination only. The construction costs will be addressed as an ROM cost in a separate Change Request and/or Change Order.

Adjustments for contract time is 20 Working Days for the extended design coordination.

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0042 F&H Design Coordination 01-0200 LDA Design Coordination				\$36,000.00	\$18,750.00	\$18,750.00 \$36,000.00
•					Subtotal:	\$54,750.00
		Markup - Subco	ontractor (5%)	\$36,000.00	5.00 %	\$1,800.00
		Markup - Dire	ct Cost (15%)	\$18,750.00	15.00 %	\$2,812.50 🗸
			віт	\$54,750.00	2.70 %	\$1,478.25
					Total:	\$60,840.75

Please note that FH CONSTRUCTION will require an extra 20 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

Date:

APPROVED: 2-13-2018

Page 1 of 1



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

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Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Othe	r Price
01-0042 01-0200	F&H Design Coordination LDA Design Coordination		×		\$36,000.00	\$18,750.00	\$18,750.00 <b>/</b> \$36,000.00 <b>/</b>
1						Subtotal:	\$54,750.00
			Markup - Subco	ntractor (5%)	\$36,000.00	5.00 %	\$1,800.00
			Markup - Direc	ct Cost (15%)	\$18,750.00	15.00 %	\$2,812.50 🗸
				BIT	\$54,750.00	2.70 %	\$1,478.25
						Total:	\$60,840.75

Please note that FH CONSTRUCTION will require an extra 20 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

Date:

APPROVED: 2-13-2018

Page 1 of 1

F&H Confidential 1/19/2018 Page 1



SCOPE: LS COST - REVISED FLOOR PLAN ALLOWANCE SAN MATEO COUNTY ANIMAL SHELTER

SPEC. No.	DESCRIPTION	OUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
01000	DIVISION 1 - GENERAL CONDITIONS	QUARTITI	MENSERE	CMI COSI	HIMOUNT	NOTES
01000	Į-					
	SCHEDULE					
	DESIGN	25	DAYS			
	F&H DESIGN EXTENDED OVERHEAD	25	DAYS	\$750.00	18,750	
	LDA PARTNERS	1	LS	\$36,000.00	36,000	
	TESTING		BY OWNER			
	SUB - TOTAL OF ALL ABOVE				54,750	
	BUILDERS RISK INSURANCE					
	LIABILITY INSURANCE			BIT = 2.7%	1,478	
	PAYMENT & PERFORMANCE BOND					
	MARKUP - SUBCONTRACTOR (10%)	1,800				
	MARKUP - DIRECT COST (15%)	•	2,813			
	TOTAL	_		_	60,841	

### ANIMAL SHELTER COUNTY OF SAN MATEO

MATL. LABOR MATERIAL LABOR **GENERAL REQS. & CONDITIONS** BID DESCRIPTION QTY. UNIT U. PRICE U. PRICE TOTAL TOTAL TOTAL PAPER WORK ITEMS CPM SCHEDULING MONTHLY UPDATES - 2 HRS / MO 1.0 300.00 0.00 300 300 EA 0 MISC. ITEMS 1.0 700.00 0.00 700 700 BLUEPRINTING MO SHIPPING / MAIL 1.0 120.00 0.00 120 0 MO 120 SUBTOTAL 1,120 0 1,120 SUPERVISION PROJECT MANAGER (40 HOURS) 1.0 MO 0.00 5,400.00 5,400 5,400 ASSISTANT PROJECT MANAGER (FULL TIME) 1.0 0.00 15,051.00 0 15,051 15,051 MO SUBTOTAL 0 20,451 20,451 VEHICLE ALLOWANCE PROJECT MANAGER (40 HOURS) 1.0 MO 150.00 0.00 150 0 150 500.00 0.00 ASSISTANT PROJECT MANAGER (FULL TIME) 1.0 MO 500 0 500 SUBTOTAL 650 0 650 HOUSING BRIDGE TOLLS - 1 PER WEEK 4.0 EΑ 5.00 0.00 20 20 4.0 3.50 0.00 14 FAST PASS BYPASS - 1 PER WEEK 14 EA SUBTOTAL 34 34 FUEL / OIL / MAINTENANCE 0.00 PROJECT MANAGER 1.0 MO 50.00 50 0 50 ASSISTANT PROJECT MANAGER 1.0 200.00 0.00 200 MO 0 200 SUBTOTAL 250 250 TTL ABOVE 20,451 22,505 2,054 **DESIGN DAILY OVERHEAD COSTS** 750.2

1.00

1 Month Duration



10 October 2017

Mr. Daniel Hoff Project Manager F&H Construction 1115 East Lockeford Street Lodi, CA 95240

San Mateo Animal Shelter – HVAC Redesign Re:

Dear Daniel:

Listed below are additional hours expended by our team for the project redesign due to the deviation of the 30% design drawings for the San Mateo Animal Shelter.

Change Summary	LDA Partners										
Project:	San Mateo Animal Shelter										
Reference:	30%	30% Program Reconciliation									
Name		Rate	Hours	Cost							
Eric Wohle	Prinicpal	\$ 200.00	42	\$ 8,400.00							
Carolyn Natividad	Project Architect	\$ 175.00	96	\$ 16,800.00							
Ramiro Rivas	Drafting	\$ 135.00	80	\$ 10,800.00							
Total				\$ 36,000.00							

If you have any questions, please let me know.

Cordially,

Eric W. Wohle, A.I.A., LEED ap

Partner

E	Building Program	Report	- SF CC	DMPA	RISON
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%
Room					
No.	Room Name	Net SF	Net SF	Net SF	Net SF
101	ENTRY VESTIBULE	64	112	101	-11
102	CLIENT LOBBY	300	838	736	-102
103	COUNTER & WORK AREA	300	301	411	110
104	DOG TETHER AREA	80	55	76	21
105	INITIAL SURRENDER EXAM	90	120	110	-10
106	CLIENT EXAM ROOM	80	96	81	-15
107	OWNER PRESENT EUTHANASIA	80	96	90	-6
109	DONATION STORAGE	154	80	53	-27
110A	PUBLIC RESTROOM MEN	112	58	114	56
110B	PUBLIC RESTROOM WOMEN		58	114	56
204	VETERINARY SERVICES MANAGER	168	180	208	28
206	ANIMAL CONTROL DISPATCH OFFICE	126	131	161	30
200	ANIMAL CONTROL CAPTAIN	120	101	101	30
207	OFFICE	108	116	134	18
208	ANIMAL CONTROL CORPORALS	126	140	126	-14
209	ANIMAL CONTROL STAFF	126	126	126	0
207	ANIMAL CONTROL LEAD	120	120	120	
210	SUPERVISORS	126	140	134	-6
211	ANIMAL CONTROL SQUAD ROOM		341	270	-71
	ANIMAL CONTROL RECORDS				
212	STORAGE	80	80	98	18
	ANIMAL CONTROL EVIDENCE				
213	STORAGE	80	80	116	36
	PURCHASING COORDINATOR				
215	OFFICE	80	88	108	20
217	HUMAN RESOURCES OFFICE	126	135	161	26
221	WILDLIFE HOLDING (318)	64	72	100	28
221	BEHAVIOR STAFF OFFICE	270	135	145	10
221	BEHAVIOR STAFF OFFICE		135	145	10
222	BEHAVIOR PROG STAFF STORAGE	100	107	102	-5
223	BEHAVIOR VOLUNTEER STORAGE	64	31	63	32
224	RECORD STORAGE	160	72	112	40
227	multi-purpose room	1600	1650	1628	-22
229	FELINE KITCHEN (403A)	160	160	217	57
232	FELINE BEHAVIOR STORAGE (317)	48	50	18	-32
243	NIGHT DROP (108)	120	122	137	15
244	VICE PRESIDENT OFFICE (202)	80	138	155	17
245	DIRECTOR OF VETERINARY ANIMAL	80	138	121	-17
243	CARE (203)	[OU	130	IΖI	-1/
246	SENIOR MANAGER/PRESIDENT OFFICE (201)	144	165	145	-20

	Building Program	Report	- SF CC	DMPA	RISON
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%
Room					
No.	Room Name	Net SF	Net SF	Net SF	Net SF
	ANIMAL CARE MANAGER OFFICE				
247	(218)	168	137	170	33
248	IT OFFICE (216)	196	200	196	-4
249	SMALL CONFERENCE ROOM (225)	130	147	140	-7
250	LARGE CONFERENCE ROOM (226)	308	341	326	-15
	VOLUNTEER COORDINATOR				
251	OFFICE (214)	126	115	126	11
302	INDOOR KENNELS	2187	4258	4342	84
3020	OUTDOOR KENNELS	3645	7845	7449	-396
305	MEDICAL ISOLATION	144	235	242	7
	FELINE GENERAL POPULATION				
306	CAGES	540	300	302	2
306	FELINE GENERAL POPULATION		300	302	2
307	FELINE/RABBIT CAGES	270	300	302	2
309	URI KITTEN CAGES	300	300	315	15
310	FERAL QUARANTINE	300	240	302	62
311	KITTEN	264	300	302	2
312	PREGNANT/NURSING FELINE	72	72	87	15
313	ADULT FELINE URI	168	203	248	45
314	FELINE BEAVIOR CONDO	192	201	267	66
315	FELINE BEHAVIOR COLONY	144	49	48	-1
315	FELINE BEHAVIOR COLONY	177	50	47	-3
315	FELINE BEHAVIOR COLONY		51	48	-3
316	FELINE VOLUNTEER SOCIALIZATION	117	59	53	-6
316	FELINE VOLUNTEER SOCIALIZATION	117	59	53	-6
319	SMALL MAMMAL	100	100	105	5
320	AVIAN	120	120	148	28
321	EXOTICS	120	98	198	100
321		120	22	18	-4
322	AVIAN EXOTICS KITCHENETTE (320A)	100	118	118	0
325	INTAKE/PROCESSING				-
	RABBIT EXERCISE YARD	168	134	175	41
327	MAIN BUILDING CORRIDOR		3310	3314	4
323	CIRCULATION/CORRIDORS/SF ADJ	1.50	2927	2885	-42
401	BATHING/GROOMING	150	150	153	3
402	CANINE KITCHEN (228)	48	14	0	-14
402	CANINE FOOD PREP	150	150	161	11
404	LAUNDRY	264	309	244	-65
405	BEHAVIOR EVALUATION	225	318	327	9
407	EUTHANASIA (SHELTER)	120	120	222	102
408	COOLER VESTIBULE	96	96	110	14
409	WALK-IN COOLER	180	180	208	28
505	MEDICAL GAS STORAGE	48	72	39	-33
507	STAFF LOUNGE / BREAKROOM	324	274	354	80

	Building Program	Report	- SF CC	<b>DMPA</b>	RISON
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%
Room					
No.	Room Name	Net SF	Net SF	Net SF	Net SF
508	WOMEN STAFF SHOWER/LOCKER		174	0	-174
509	MEN STAFF SHOWER/LOCKER	324	170	55	-115
509	mens staff restroom	112	69	115	46
509	WOMENS STAFF RESTROOM		53	115	62
510	ANIMAL CARE STORAGE	625	629	621	-8
511	MAIN IT/COMPUTER	100	123	90	-33
512	STORAGE (820)		40	372	332
513	CHEMICAL STORAGE (506)	225	227	207	-20
514	MAINTENENCE & SHOP (501)	400	450	464	14
515	COUNTY STORAGE (814)		39	46	7
516	MAINTENENCE STORAGE (807)	100	100	100	0
	ANIMAL RESCUE & CONTROL				
517	EQUIPMENT STORAGE (220)	240	203	231	28
518	STORAGE (610)	150	147	156	9
518	STORAGE		0		0
519	VETERINARIANS OFFICE (619)	120	224	271	47
520	CHEIF OF STAFF OFFICE (618)	126	126	182	56
	RINGWORM ISOLATION				
521	ROOM(615)	100	100	100	0
522	FERAL RECOVERY CLOSET (605)	48	48	48	0
523	PHARMACY COUNTER (622)	28	18	24	6
524	X-RAY (609)	150	150	171	21
524	CLOSET		0	41	41
601	LOBBY/RECEPTION	200	558	571	13
602	PRE-OP EXAM ROOM	90	95	118	23
603	SURGERY PREP/RECOVERY	288	144	143	-1
603	SURGERY PREP/RECOVERY		144	143	-1
604	RECOVERY CAGES/ CIRCULATION	324	368	587	219
606	OPERATORY	165	165	187	22
607	PACK/PREP/SCRUB	120	120	98	-22
608	LAUNDRY	180	175	176	1
611	SECURE STORAGE	48	70	68	-2
612A	3 TABLE TREATMENT	288	144	144	0
612B	3 TABLE TREATMENT		144	144	0
614	ICU CAGES	84	31	24	-7
	RINGWORM				,
616	HOLDING/EVALUATION	56	70	76	6
617	LAB COUNTER	112	80	80	0
621	DOCTORS FISHBOWL	63	61	61	0
624	PUBLIC RESTROOM	56	56	56	0
625	STAFF RESTROOM	56	0	0	0
800	SINK		6		-6
801	SINK		6		-6

E	Building Program	Report	- SF CC	DMPAF	RISON
		Bridging Docs	12/20 Contract	30%	Variance 12/20 to 30%
Room No.	Room Name	Net SF	Net SF	Net SF	Net SF
802	SINK		6		-6
803	POND PUMP		29	22	-7
805	MECHANICAL ROOM (501B)		150	134	-16
806	FIRE		25	23	-2
809	VOLUNTEER PROGRAM		240	196	-44
810	PUMP EQUIP (808)		67	37	-30
810	MAIL		14	11	-3
811	STORAGE		18	106	88
812	FILE		30	30	0
813	STORAGE		92	0	-92
814	(E) AVIARY		0	50	50
815	JANITOR		33	0	-33
816	JANITOR		70	47	-23
817	JANITOR		45	0	-45
821	ELECTRICAL		137	134	-3
875	TABLES AND CHAIRS (227A)		110	108	-2
	TOTALS	21758	37213	40948	832

# County of San Mateo - Animal Care Shelter Exhibit E -Building Program Spreadsheet

Grossing Factor - Typical: 1.33

Grossing Factor - Kennels/Runs: 2.5

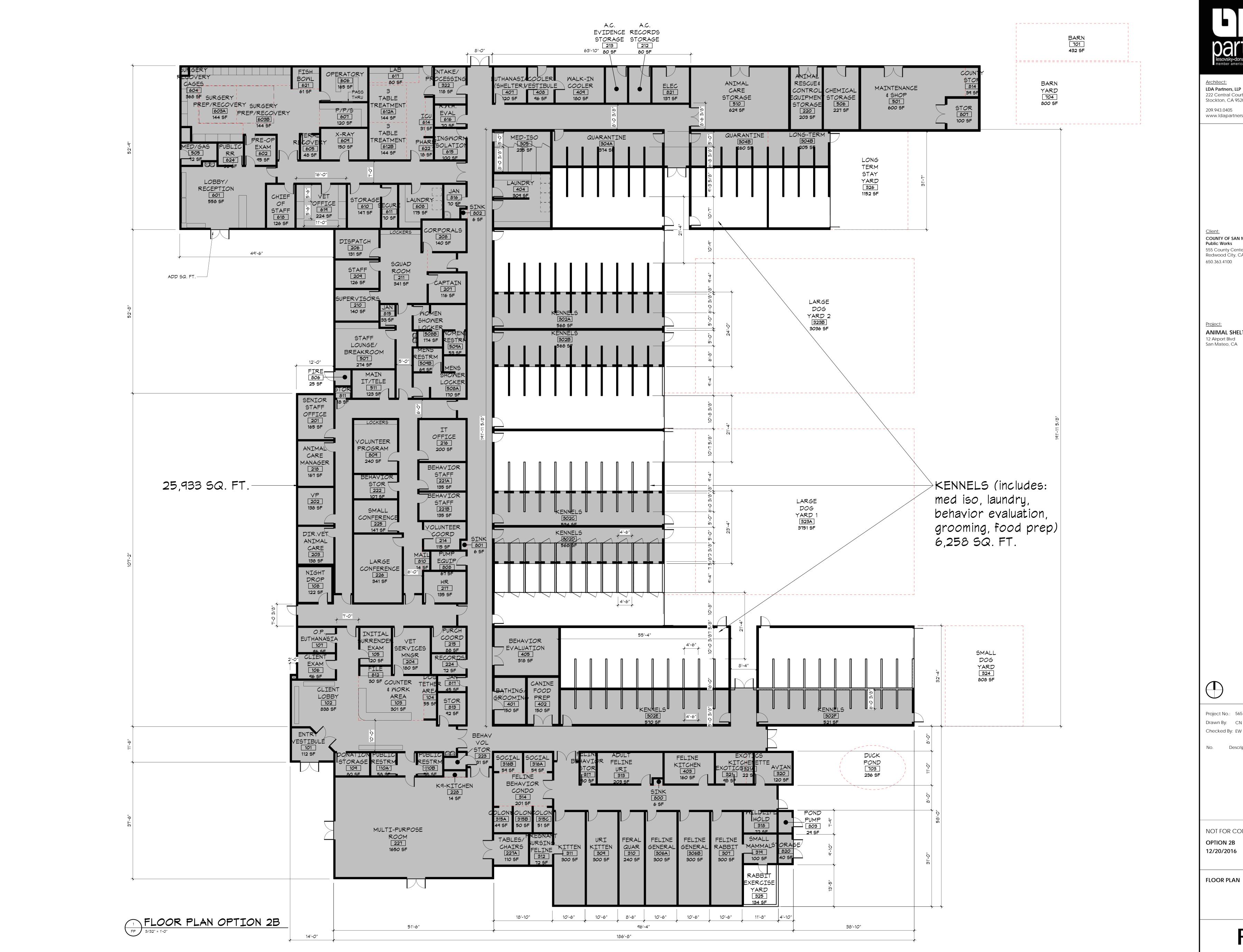
The Narrative document details the requirement of rooms that have special considerations. The room listing in the Narrative is not meant to be a complete listing of all rooms; however, this document is meant to list all of the rooms required within the bridging documents. Room requirements may be indicated on more than one document. The Grossing Factors are guidelines to convey approximate circulation space. Acutal Grossing Factors/Circulation space depends upon the final design.

	Qty		Siz	е	Net SF	Factor	Gross	Outde	oor Area	Notes
1.0 - Public Receiving										
101 - Entry Vestibule	1	8	Х	8	64	1.33	85			
102 - Client Lobby	1	15	Х	20	300	1.33	399			
103 - Counter & Work Area	1	15	Х	20	300	1.33	399			4 computer stations
104 - Dog Tether Area	1	4	Х	20	80	1.33	106			Space for a crate & tying up a couple dogs
105 - Initial Surrender Exam	1	9	Х	10	90	1.33	120			w/ sinks (behind counter for staff use)
106 - Client Exam Rooms	1	8	Х	10	80	1.33	106			on public side of counter - no sinks
107 - Owner-Present Euthanasia	1	8	Х	10	80	1.33	106			Quiet, more remote access from lobby
108 - Night-Drop	1	10	Х	12	120	1.33	160			6 total drop box 18" above ground
109 - Donation Storage	1	11	Х	14	154	1.33	205			
110 - Public Restrooms	2	7	Х	8	112	1.33	149			
					1,380		1,835			
2.0 - Administration/Support Areas										
201 - Senior Manager/President Office	1	12	Х	12	144	1.33	192			For 2 people
202 - Vice President Office	1	8	Χ	10	80	1.33	106			Single Occupancy
203 - Director of Veterinary Animal Care	1	8	Х	10	80	1.33	106			Single Occupancy
204 - Veterinary Services Manager	1	12	Х	14	168	1.33	223			VS Mgr & Supervisors (3 people)
206 - Animal Control Dispatch Office	1	9	Χ	14	126	1.33	168			3 Workstations
207 - Animal Control Captain Office	1	9	Х	12	108	1.33	144			Single Occupancy
208 - Animal Control Corporals	1	9	Χ	14	126	1.33	168			3 Workstations
209 - Animal Control Staff	1	9	Χ	14	126	1.33	168			3 Workstations
210 - Animal Control Lead Supervisors	1	9	Χ	14	126	1.33	168			
211 - Animal Control Squad Room	1	15		24	360	1.33	479			
212 - Animal Control Records Storage	1	8	Χ	10	80	1.33	106			
213 - Animal Control Evidence Storage	1	8	Χ	10	80	1.33	106			
214 - Volunteer Coordinator Office	1	9	Χ	14	126	1.33	168			2 Workstations
215 - Purchasing Coordinator Office	1	8	Χ	10	80	1.33	106			
216 - IT Office	1	14	Χ	14	196	1.33	261			For 2 people and equipment
217 - Human Resource Office	1	9	Χ	14	126	1.33	168			For 2 people
218 - Animal Care Manager Office	1	12	Χ	14	168	1.33	223			AC Mgr & Leads (4 people)
220 - Animal Rescue & Control Equip Storage	1	12	Х	20	240	1.33	319			
221 - Behavior Staff Office	2	9	Х	15	270	1.33	359			2 Workstations oversized for working with dogs
222 - Behavior Prog Staff Storage	1	10	Х	10	100	1.33	133			
223 - Behavior Volunteer Storage	1	8	Χ	8	64	1.33	85			
224 - Record Storage	1	8	Χ	20	160	1.33	213			
225 - Small Conference Room	1	10		13	130	1.33	173			Room for 7
226 - Large Conference Room	1	14	Х	22	308	1.33	410			Room for 15
227 - Multi-Purpose Room	1	40	Х	40	1,600	1.33	2,128			
228 - Canine Kitchenette	1	6	Х	8	48	1.33	64	_		Support for Training/Multi-purp
					5,220		6,943			
3.0 - Domestic Animal Holding	Ta			_						
302 - Dog Kennels - Large	65	4.5	Х	6	1,755	2.5	4,388	2,925	s.f.	preference is 10-12 maximum per room, outdoor kennel area should be 4.5' x 10' min
304 - Quarantine (Dangerous & Quarantine)	16	4.5	x	6	432	2.5	1,080	720	s.f.	Village Style Housing, with min.4.5' x 10' outdoor run area each, plus access for direct access from outdoor runs to larger shared yards
305 - Medical Isolation Kennels	4	4.5	Х	8	144	2.5	360			Indoor only
306 - Feline General Population Cages	2	27	Х	10	540	1.33	718			(2) rows of (9) 36" cages per room (9 x 3'= 27 lf)

June 22, 2016

	Qty		Siz	e	Net SF	Facto	r Gross	Outdo	oor Area	Notes
307 - Feline/Rabbit Cages	1	27	Х	10	270	1.33	359			(2) rows of (9) 36" cages per room (9 x 3'= 27 lf)
309 - URI Kitten Cages	1	30	X	10	300	1.33	399			(2) rows of (10) 36" cages per room (10 x 3'= 30 lf) space for 6' counter
310 - Feral Quarantine	1	30	Х	10	300	1.33	399			(2) rows of (10) 36" cages per room (10 x3'=30 lf)
311 - Kitten	1	33	Х	8	264	1.33	351			(2) rows of (10) 36" cages per room (10 x 2'-6"=25 lf)
312 - Pregnant/Nursing Feline	1	9	X	8	72	1.33	96			(2) rows of (3) 36" cages per room (3 x 3'=9 lf)
313 - Adult Feline URI	1	21	X	8	168	1.33	223			(2) rows of (7) 36" cages per room (7 x 3'=21 lf)
314 - Feline Behavior (Condo) Room	1	12	X	16	192	1.33	255			Space for 6 free-standing condos (total incl. condos & colonies)
315 - Feline Behavior (Colony) Room	3	6	X	8	144	1.33	192			Built-in, full height
316 - Feline Volunteer Socialization Room	2	6.5	X	9	117	1.33	156			Cabinet & chairs
317 - Feline Behavior Storage	1	6	X	8	48	1.33	64			Cabinet & Chairs
318 - Wildlife Holding	1	8	X	8	64	1.33	85			
319 - Small Mammal	1	10	X	10	100	1.33	133			
	1	10		12	120		160			
320 - Avian	1		Х			1.33	160			F. stath avera
321 - Exotics	1	10	Х	12	120	1.33				Ectotherms
322 - Intake/Processing	1	10	Х	10	100	1.33	133			refrig, computer, sink, 8' counter
323 - Large Dog Exercise Yard	1	55	x	85				4,675		One 60 x 90 & (2) 25 x 25 (or 2 larger, one smaller if possible), Mulch surfacing, 10' fencing typical, double gate, small shaded area at each yard
324 - Small Dog Exercise Yard	1	25	Χ	25				625		
325 - Rabbit Exercise Yard	1	12	Х	14				168		Covered Area, concrete surface
					5,250		9,710	9,113	SF	
4.0 - Animal Support Spaces										
401 - Bathing/Grooming	1	10	Х	15	150	1.33	200			Central Vacuum
402 - Canine Food Prep	1	10	X	15	150	1.33	200			2 compartment scullery sink Hobart under-counter sink
403 - Feline Kitchen	2	8	X	10	160	1.33	213			Under-counter DW each room
404 - Laundry	1	12	X	22	264	1.33	351			(2) washer/extractors (2) dryers
405 - Behavior Evaluation	1	15	X	15	225	1.33	299			(2) washer/extractions (2) dryers
407 - Euthanasia (Shelter)	1	10	X	12	120	1.33	160			
408 - Cooler Vestibule	1	8	X	12	96	1.33	128			Chest (skunk) Freezer & Head Refrigerator
409 - Walk-In Cooler	1	12	X	15	180	1.33	239			Criest (skulik) Freezer & Fread Reinigerator
409 - Walk-III Coolei	-	12	^	13	1,345	1.55	1,789			
5.0 - Facility Support Services	ı				1,343		1,709			
501 - Maintenance & Shop (not incl. stor.)	1	20	Х	20	400	1.33	532			400 s.f. would include facility maintenance if by PHS
503 - Maintenance Storage	1	10	X	10	100	1.33	133			400 S.I. Would include lability maintenance in by 1 Tio
505 - Medical Gas Storage	1	6	X	8	48	1.33	64			10 cylinders
506 - Chemical Storage	1	15	X	15	225	1.33	299			Room for (12) 55 gallon drums
507 - Staff Lounge/Break Room	1	18	X	18	324	1.33	431			Seating for 20 (Like Lantos)
508 - Shower/Locker Room	2	9	X	18	324	1.33	431			Seating for 20 (Like Laritos)
509 - Staff Restrooms	2	7	X	8	112	1.33	149			
510 - Animal Care Storage	1	25	X	25	625	1.33	831			Combined with 308 Storage
	1	25	Х	25	023	1.33	031			Combined with 506 Storage
511 - Main IT/Computer	1	10	Х	10	100	1.33	133			
Room/Telephone Room	-				0.050	_	0.000	_		
6.0 - Clinic (Spay/Neuter & Shelter Medicine - AAI	1V C	rtified)			2,258		3,003			
601 - Lobby/Reception	14	10	· ·	20	200	1.33	266			Counter space for 2
602 - Pre-Op Exam Room	1	9	X	10	90	1.33	120			Outriter space (ULZ
	0									O tables 9 reservery
603 - Surgery Prep/Recovery	4	12	X	12	288	1.33	383			2 tables & recovery
604 - Recovery Cages	1	54	Х	6	324	1.33	431			34 Total Cages w/ (8) 4' cages (54 If of 30" cages +42" clear space in front)
605 - Feral Recovery Closet	1	6	Х	8	48	1.33	64			O tables in single years
606 - Operatory	1	11	Х	15	165	1.33	219			2 tables in single room
607 - Pack/Prep/Scrub	1	10	Х	12	120	1.33	160			
608 - Laundry	1	12	Х	15	180	1.33	239			
609 - X-Ray	1	10	Χ	15	150	1.33	200			
610 - Storage	1	15	Χ	10	150	1.33	200			Now include mobile program supplies
611 - Secure Storage	1	6	Χ	8	48	1.33	64			Narcotics Drug Storage

	Qty		Siz	ze	Net SF	Factor	Gross	Outd	loor Area	Notes
612 - Three-Table Treatment	2	12	Х	12	288	1.33	383			Treatment/Exam (Shelter General Treatment & Dentistry)
614 - ICU Cages	1	7	Х	12	84	1.33	112			
615 - Ringworm Isolation Room	1	10	Х	10	100	1.33	133			8 Cages mix of sizes
616 - Ringworm Holding/Evaluation	1	7	Х	8	56	1.33	74			4 Cages, supplies, deep sink for dipping
617 - Lab Counter	1	7	Х	16	112	1.33	149			
618 - Chief of Staff Office	1	9	Х	14	126	1.33	168			Shared with Mobile Coordinator position
619 - Veterinarians Office	1	10	Х	12	120	1.33	160			5 Cubbies
621 - Doctors Fishbowl	1	7	Х	9	63	1.33	84			for 2 techs
622 - Pharmacy Counter	1	7	Х	4	28	1.33	37			for 1 tech to sit
624 - Public Restroom	1	7	Х	8	56	1.33	74			
625 - Staff Restroom	1	7	Х	8	56	1.33	74	_		
					2,852		3,793			
7.0 - Farm Animal Holding										
701 - Barn	1	12	Х	36				432		with covered outside area (all concrete) & space for 4 stainless steel cages for chicken isolation
703 - Duck Pond	1	12	Х	20				240		6 x 8 pond in fenced area of 12 x 20
704 - Barnyard	1	20	Х	40				800		
								1472	SF	
TOTALS										
Total Indoor					18,305		27,073			
Total Outdoor								10,585		
Total Indoor & Outdoor Area Net					28,890					
Total Indoor & Outdoor Area Gross							37,658			





<u> Architect:</u> LDA Partners, LLP 222 Central Court Stockton, CA 95204 209.943.0405 www.ldapartners.com

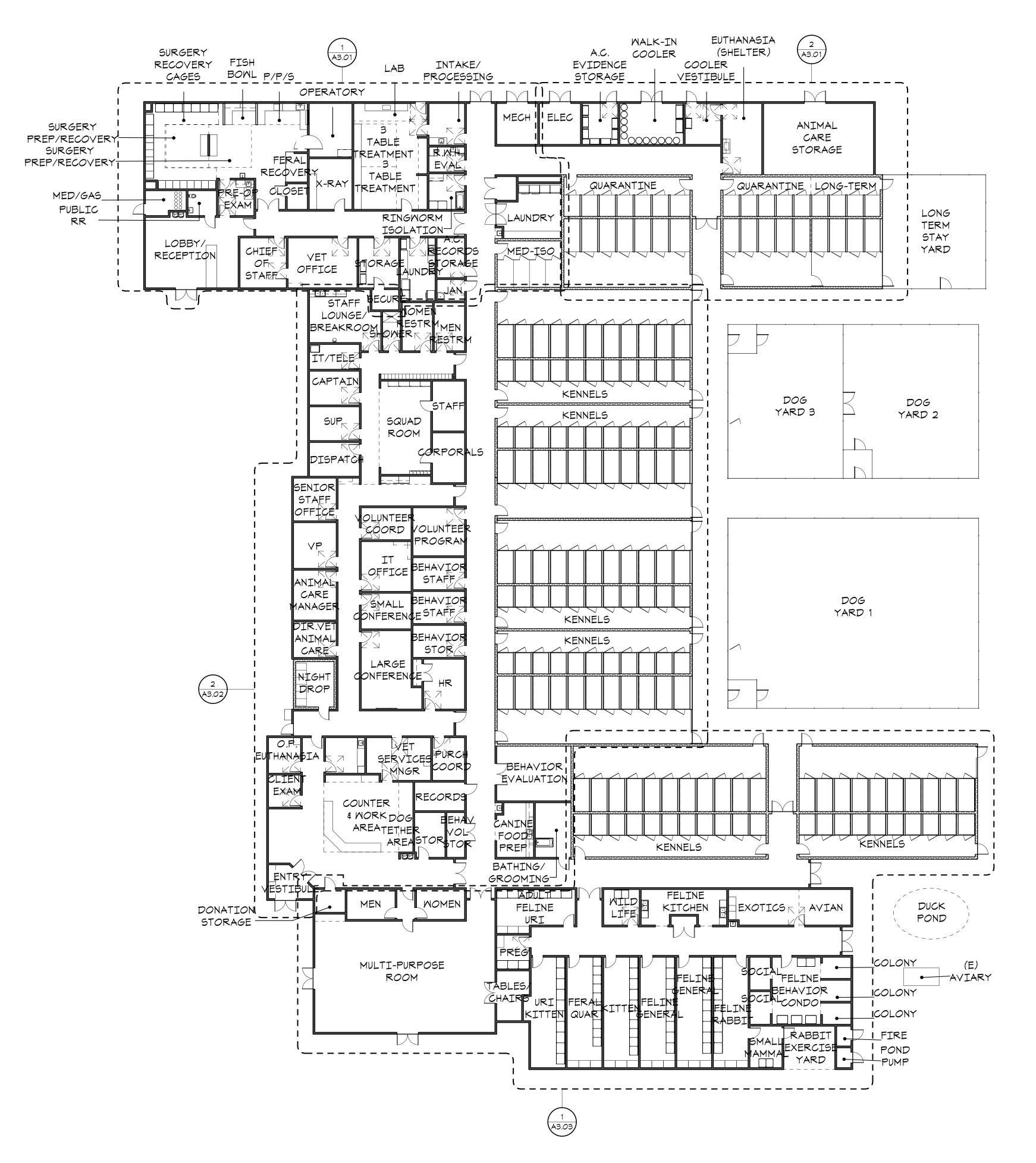
COUNTY OF SAN MATEO - Dept of **Public Works** 555 County Center - Fifth Floor Redwood City, CA 94063

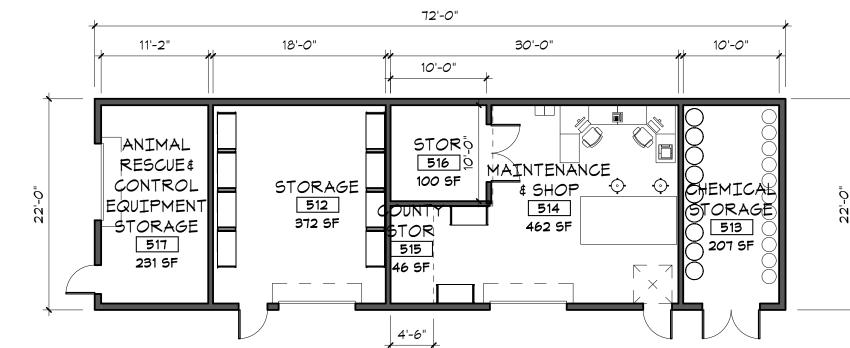
Project: ANIMAL SHELTER REPLACEMENT 12 Airport Blvd San Mateo, CA

Drawn By: CN Checked By: EW

No. Description

NOT FOR CONSTRUCTION **OPTION 2B** 





MAINTENANCE SHOP

A3.00 1" = 10'-0"



Architect: LDA Partners, LLP 222 Central Court Stockton, CA 95204 209.943.0405 209.943.0405 www.ldapartners.com

Client:

COUNTY OF SAN MATEO - Dept of Public Works 555 County Center - Fifth Floor Redwood City, CA 94063 650.363.4100

PROJECT

**ANIMAL SHELTER** REPLACEMENT

12 Airport Blvd San Mateo, CA

Project No.: 565-05-16 Drawn By: CN Checked By: EW

No. Description

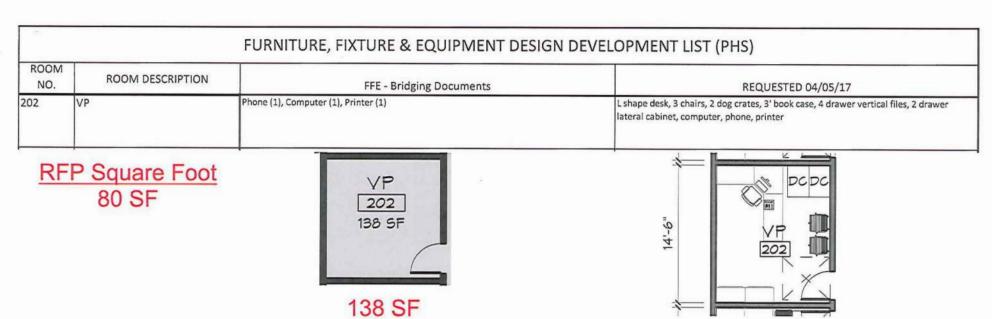
Date By

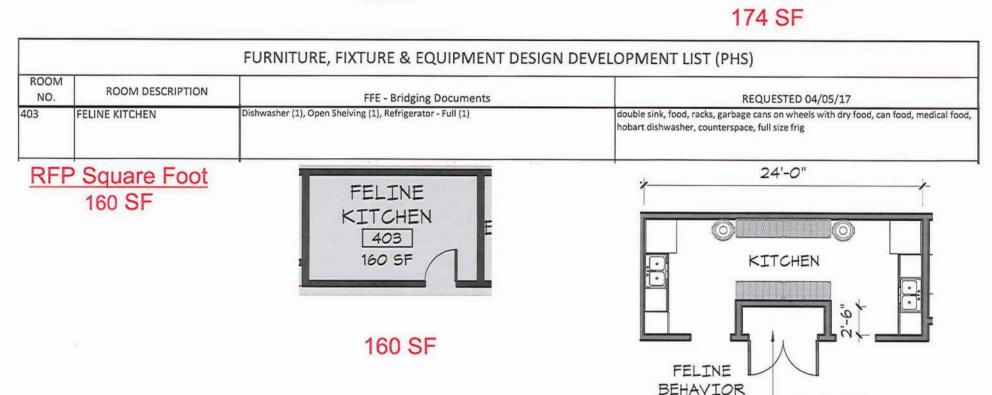
NOT FOR CONSTRUCTION

5/5/2017 **30% SD DRAWINGS** 

OVERALL FLOOR PLAN

A3.00

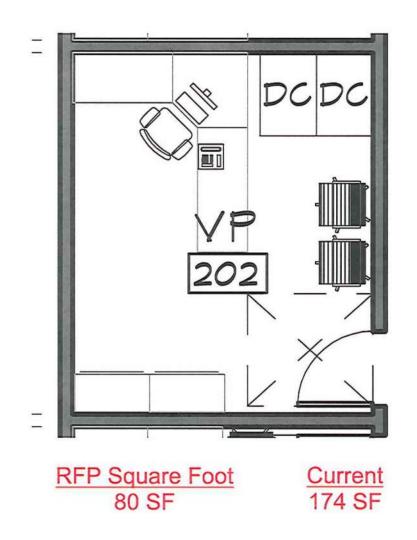


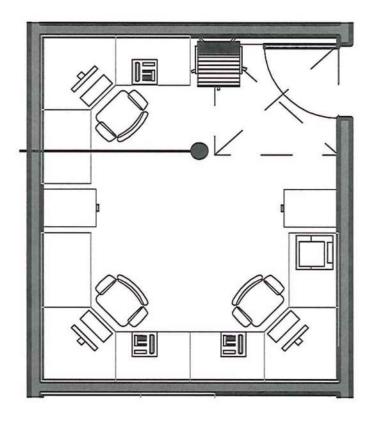


219 SF

STORAGE

# Standard vs Non-Standard Work Station and Design



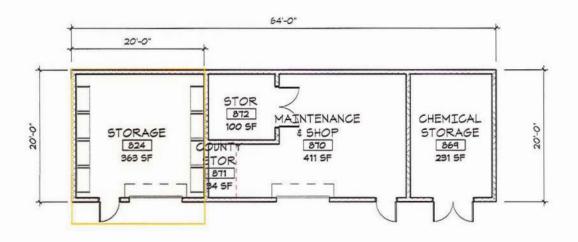


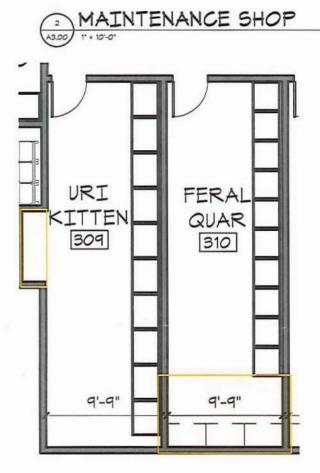
RFP Square Foot

137 SF

Current 168 SF

ADDITIONAL SPACES	
SINK	
SINK	
SINK	
POND PUMP	
ELECTRICAL	
MECHANICAL	
FIRE	
STORAGE	
PUMP EQUIPMENT	
VOLUNTEER PROGRAM	
MAIL	
STORAGE	
FILE	
STORAGE	
COUNTY STOR	
JANITOR	
JANITOR	
JANITOR	
ROOM	_
STORAGE	
ELECTRICAL	
FIRE RISER	
MECHANICAL	75
STORAGE	
PUBLIC RESTROOM	
IT/TELE	







June 2, 2017

San Mateo County 1402 Maple Street Redwood City, CA 94063

Attention:

Theresa Yee, CPC, DBIA

Reference:

Project Costs and Design Delays

San Mateo County Animal Shelter – Project Number P23G6

#### Dear Theresa:

F&H Construction (F&H) and the project team are concerned with the design progress and the County's ability to absorb the resulting cost and schedule impacts. F&H assumes County shares this concern. The lack of information provided in the Bridging Documents is likely the cause of the issue and F&H is continuing to work with the County and PHS to deal with the changes in requirements and information requested. F&H has continued to make alterations to the design each week leading to the completion of the 30% drawings.

The costs identified based on the 30% drawings and the HVAC changes are as follows:

1. Square Footage Costs (832 square feet)

\$205,000.00 - \$303,680.00

2. HVAC / Zoning Changes (convert to DX & 4 zones)

\$470,350.00

Please note that the identified costs include the estimated costs and impacts of additional square footage added after 12/20 Contract Drawings. The costs and impact are estimated. The full extent of the costs and impacts will not be finalized until contracts have been fully executed with subcontractors. The additional cost of furniture, fixtures, and equipment (FF&E) and mechanical, plumbing, and electrical costs specific to FF&E will be included in the 60% Variance report.

The abovementioned costs and any additional costs incurred due additional scope and design delays are the responsibility of the County and are not to be funded by construction contingency stated in the contract documents.



### **Square Footage Changes and Costs**

Attached is a spread sheet for your review that shows the square footage of each room, which includes (1) Bridging Document's Prescribed Square Footages, (2) 12/20 Contract Drawing Square Footages, (3) 30 % Revised Square Footages and (4) Variance from Contract to 30% Drawings.

The changes made in the 30% drawings and deviation from the Bridging and Contract Documents are a result of the following items:

- Additional personnel equipment required for specific rooms;
- Added FF&E and sizing changes;
- Additional required storage areas;
- Floor plan reconfiguration; and
- Program and/or operational discrepancies.

To date, F&H has added eight hundred and thirty-two (832) square feet of building/scope to the project. F&H has made its best effort to identify the changes and costs changes based on the 30% drawings that were requested, and has been reaching out to subcontractors for their assistance in developing these costs. Currently, the Rough Order of Magnitude (ROM) based on the developed plan changes is in the neighborhood of \$205,000 to \$303,650. These added costs include:

- Changes made to the main building;
- · Additional underground water, sewer and fire line to the new metal building; and
- Added metal building to house storage, maintenance and chemical storage.

#### **DESIGN DELAYS**

F&H assumed three design coordination meetings would be necessary to complete the 30% SD Phase drawing (DES – 1000), with a scheduled completion date of March 31, 2017. Typically three meetings are not necessary to reach 30% SD as they are provided within the Bridging Documents; however, upon review of the Animal Shelter Replacement Bridging Documents during the proposal phase, F&H realized that some revisions would be necessary to reach 30% SD. While F&H was aware that some changes would be necessary, it did not anticipate that nearly every room in the facility would require significant modifications and that the lack of information contained in the Bridging Document in conjunction with the unforeseen continuing requests for modifications would go well beyond our contract with the County. In the end, it took seven coordination meetings to complete the drawings, with the final submission on May 5, 2017, 25 days beyond the intended completion date. F&H could not have reasonably assumed that seven coordination meetings and an additional 25 days would be necessary.

California Office: 1115 East Lockeford Street, Lodi, CA 95240 | (209) 931-3738 TEL (209) 931-4427 FAX Hawaii Office: 1728 Wili Pa Loop, Suite 200, Wailuku, HI 96793 | (808) 871-8515 TEL (808) 871-9322 FAX

Mailing Address: P.O. Box 2329, Lodi, CA. 95241



F&H noted the potential delay early on in the design phase, and the initial request for ten (10) days non-compensatory delay was granted. Because the delay exceed the ten (10) day request, it has resulted in additional cost and schedule impacts, for which F&H is not responsible. Currently, the full extent of the impact is unknown.

This trend has continued into the 60% DD. The reflected ceiling design and incorporating ZNE criteria serve as good examples. The reflected ceiling design was originally discussed prior to the contract (12/20/16) drawings. It was reviewed and altered on May 17<sup>th</sup>, 2017. On May 31<sup>st</sup>, 2017, the County once again requested modifications to be made to the ceiling types and requirements. Additionally, F&H is awaiting the County's decision on ZNE. Impacts are not included in the original proposal for ZNE. If a decision is not made in a timely manner, additional design and construction costs will continue to incur due to schedule delays.

### **HVAC / MAU UNITS**

The value engineering (VE) to the HVAC system removed the Hydronic system and the non-animal holding areas became single zone variable units. The contractual zoning plan meets the requirements of the Bridging Documents, Exhibit G. The animal holding areas zoning plan was not a VE consideration. Frank M. Booth designed the HVAC system to use MAU evaporative cooling units which meets the requirements of the Bridging Documents, Exhibit G, with respect to temperature ranges, Relative Humidity (RH), and zoning. The County has directed F&H to proceed with adding two (2) zones to the animal holding area and convert existing evaporative cooling units to DX cooling units. Estimated cost is \$470,350.

In acknowledgment of additional cost, F&H will need formal direction for the HVAC system. This issue has already started to impact the design schedule and will continue to do so with increasing cost consequences if a decision is not made in a timely manner.

In conclusion, F&H is eager to proceed with this project. To do so, F&H needs the County's notice to proceed with the 30% drawings estimated costs and the HVAC modification proposal and would like verification of funding. Currently, the combined ROM based on the 30% drawings and HVAC modifications approximately \$675,350 to \$774,030.



Thank you in advance for your cooperation in these matters and F&H looks forward to our continued professional relationship on this project.

Sincerely,

**Daniel Hoff** 

Assistant Project Manager

Enclosure

**DATE**: August 11, 2017

TO: DANIEL HOFF

CC: STEPHEN SEIBLY

FROM: JAMES KELLY

**REFERENCE**: SAN MATEO ANIMAL SHELTER

**SUBJECT:** TIME IMPACT ANALYSIS #001

CPM SCHEDULE: (Total Float -86 working days) The Contract Completion Date is 3/25/19. However, the project is forecasting a current Project Completion Date of 7/26/19. This is a negative variance of 86 working days; 123 calendar days.

**TIA #001 Summary:** The Design Phase has extended beyond the approved Baseline Schedule and is driving the critical path of the schedule by 86 working days. This negative variance is comprised of multiple design issues; 20 of the 86 working days of this overall delay are listed and detailed below:

• 30% SD Bridging Documents – 25 Days (20 Day Impact)

Figure 1 – TIA #001 High Level Summary (20 working days):

ACTIV	VITY ID	ACTIVITY NAME	ORG DUR	REM DUR	START	FINISH	FNANJJASONDJFNANJJASONDJFNAN
	County of San	Mateo - Animal Care Shelter -Updated Bas	562	473	13-Mar-17 A	29-Apr-19	
	Administrative		562	473	21-Mar-17 A	29-Apr-19	
	■ Project Summa	гу	505	473	21-Mar-17 A	29-Apr-19	
	MS-1100	Animal Care Shelter Project Duration - Contractual	735	655	21-Mar-17 A	25-Mar-19	An .
	MS-1280	**30% SD - Bridging Design / Design Meeting Discrepancies	25	25	26-Mar-19	29-Apr-19	T
	<ul><li>Milestones</li></ul>		0	0	21-Mar-17 A	21-Mar-17 A	
	■ General		0	0	21-Mar-17 A	21-Mar-17 A	
	MS-1080	Notice to Proceed - Commencement of Work	0	0	21-Mar-17 A		◆ Notice to Proceed - Commencement of Work
	Pre-Construct	ion	25	0	13-Mar-17 A	19-May-17 A	
[	<ul> <li>Design Build Ph</li> </ul>	ase	25	0	13-Mar-17 A	19-May-17 A	
	Building Pack	age 2	25	0	13-Mar-17 A	19-May-17 A	
	DES-1000	30% SD Phase	15	0	13-Mar-17 A	31-Mar-17 A	■ 30% SD Phase
	DES-1260	**30% SD - Bridging Design / Design Meeting Discrepancies	25	0	03-Apr-17 A	05-May-17 A	*30% SD - Bridging Design / Design Meeting
	DES-1010	30% SD Phase SMC Review & Approval	10	0	05-May-17 A	19-May-17 A	30% SD Phase SMC Review & Approval

### TIA #001 Details:

**30% SD Bridging Design (20 Days)**: From the 30% SD Design through being ready to submit for review and approval. The Bridging Design and Design Meeting Discrepancies <u>resulted in 25 working day impact</u> to the project. However, the 30% SD's actually started 5 days prior to notice to proceed reducing the critical impact to 20 working days.

Figure 2 – 30% SD's (20 working day impact):

ACTIVITY	Y ID	ACTIVITY NAME	ORG	START	FINISH	March 2017	April 2017	May 2017	June
			DUR			7 06 13 20 2	7 03 10 17 24	01 08 15 22	29 05 1
■ Co	ounty of San I	lateo - Animal Care Shelter -Updated Bas	82	13-Mar-17 A	19-May-17 A		E Day Savina		
<b>□</b> A	Administrative		0	21-Mar-17 A	21-Mar-17 A		5 Day Saving		
=	Milestones		0	21-Mar-17 A	21-Mar-17 A		4		
	General		0	21-Mar-17 A	21-Mar-17 A	-			
	MS-1080	Notice to Proceed - Commencement of Work	0	21-Mar-17 A		♦ Noti	ce to Proceed - Cor	nmencement of Wo	rik;
⊟ F	Pre-Constructi	on	25	13-Mar-17 A	19-May-17 A				
	Design Build Pha	ise	25	13-Mar-17 A	19-May-17 A			🚄 25 Day Im	pact
	Building Packa	ge 2	25	13-Mar-17 A	19-May-17 A				
	DES-1000	30% SD Phase	15	13-Mar-17 A	31-Mar-17 A		30% SD Phase		
	DES-1260	**30% SD - Bridging Design / Design Meeting Discrepancies	25	03-Apr-17 A	05-May-17 A			**30% SD - E	3ridging Des
	DES-1010	30% SD Phase SMC Review & Approval	10	05-May-17 A	19-May-17 A			30%	6 SD Phase

Please confirm the acceptance of this work and 20 working days; 28 calendar days will be added to the overall project duration and will be addressed in the next schedule update and narrative. This will extend the Project Completion Date from 3/25/19 to a new Project Completion Date of 4/22/17.

End-



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 9

Date: 4/13/2018

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

COR 8010 - Unforeseen Condition - Gas Pipe Exploration

8010 COR 8010 - Unforseen Condition - Gas Pipe Exploration

\$220,542.38

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

DocuSigned by:

4/16/2020

Assistant Director

Scott Gurley \_\_D149DF838EF04D7..

(Signature)

By

Date

DocuSigned by:

Robert Hennessy

\$220,542.38

-DocuSigned by:

Sam (in —EE1B7F4B372C432..

\$220,542.38

See Change Request 8010

See Change Request 8010

See Change Request 8010

(Signature)

By

The original Contract Amount v	was	\$19,699,197.00
Net change by previously author	orized Change Orders	\$1,081,720.72
The Contract Amount prior to t	his Change Order was	\$20,780,917.72
The Contract will be increased	by this Change Order in the amount of	\$220,542.38
The new Contract Amount inclu	uding this Change Order will be	\$21,001,460.10
The Contract Time will be unch	anged.	
The date of Substantial Comple	etion as of the date of this Change Order therefo	re is
LDA PARTNERS	FH CONSTRUCTION	COUNTY OF SAN MATEO
ARCHITECT	CONTRACTOR	OWNER
	PO BOX 2329	

LODI, CA 95241

(Signature)

Date



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Request

To: Robert Hennessy

Jacobs

Number: 8010

Date: 2/16/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

COR 8010 - Unforeseen Condition - Gas Pipe Exploration

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the extra work performed investigating the underground / above ground natural gas piping system due to the unforeseen condition of the pipe not being routed as shown in the bridging documents.

Baseline Temp Gas Scope 11.1.2017

Potholing/Exploration: 12.6.2017 and 1.30.2018 Subtronics Corp Locating Services 12.14.2017 United Rental FX-30 Ditch Witch: 12.6.2017

MBS 2.15.2018

See attached documents for full backup

If there are subsequent plan revisions or PG&E caused delays, there may be additional costs

e Description	Labor	Material	Equipment	Subcontract	Other	Price
Labor (Operator)	\$1,397.76					\$1,397.76
FX-30 Ditch Witch			\$884.42			\$884.42
Subtronic Corp				\$1,117.50		\$1,117.50
BASELINE Gas Scope					\$(10,409.09)	- \$(10,409.09)
MSB - Gas Underground				\$126,985.23		\$126,985.23
FMBooth Roof Pipe				\$84,000.00		\$84,000.00
PG&E Delay (if applicable)						TBD
					Subtotal:	\$203,975.82
			BIT	\$203,975.82	2.70 %	\$5,507.35
	15% /	Mark-up (Materi	al and Labor)	\$3,399.68	15.00 %	\$509.95
		5% Mark-Up	on Sub Work	\$210,985.23	5.00 %	\$10,549.26
					Total:	\$220,542.38
	Labor (Operator) FX-30 Ditch Witch Subtronic Corp BASELINE Gas Scope MSB - Gas Underground FMBooth Roof Pipe	Labor (Operator) \$1,397.76  FX-30 Ditch Witch Subtronic Corp BASELINE Gas Scope MSB - Gas Underground FMBooth Roof Pipe PG&E Delay (if applicable)	Labor (Operator) \$1,397.76  FX-30 Ditch Witch Subtronic Corp  BASELINE Gas Scope  MSB - Gas Underground  FMBooth Roof Pipe  PG&E Delay (if applicable)  15% Mark-up (Materi	Labor (Operator) \$1,397.76  FX-30 Ditch Witch \$884.42  Subtronic Corp  BASELINE Gas Scope  MSB - Gas Underground  FMBooth Roof Pipe  PG&E Delay (if applicable)	Labor (Operator) \$1,397.76  FX-30 Ditch Witch \$884.42  Subtronic Corp \$1,117.50  BASELINE Gas Scope MSB - Gas Underground \$126,985.23  FMBooth Roof Pipe \$84,000.00  PG&E Delay (if applicable)  BIT \$203,975.82  15% Mark-up (Material and Labor) \$3,399.68	Labor (Operator) \$1,397.76  FX-30 Ditch Witch \$884.42  Subtronic Corp \$1,117.50  BASELINE Gas Scope \$(10,409.09)  MSB - Gas Underground \$126,985.23  FMBooth Roof Pipe \$84,000.00  PG&E Delay (if applicable)  Subtotal:  BIT \$203,975.82 2.70 %  15% Mark-up (Material and Labor) \$3,399.68 15.00 %  5% Mark-Up on Sub Work \$210,985.23 5.00 %

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:

APRIL M, 2018

Page 1 of 1

### Gas Piping System Narrative

Below is a time line capturing the Natural Gas Piping Unforeseen Condition issue. While performing a site investigation on 12.1.2017, the existing gas line was determined to be in a different location than indicated on the plans from the bridging documents. The underground piping was immediately recognized to not be up to current construction standards and codes. 12.6.2017 F&H Was onsite potholing the 3" customer gas pipe from the meter, and it led away from the building instead of into the building as the Bridging Docs indicated. Also discovered was PVC pipe carrying gas through a concrete slab, this posed an immediate safety risk and a barricade was built to protect the pipe. Underground utility locating experts, Subtronic Corp was mobilized to the site on 12.14.2017. No underground pipe could be located, due to no tracer wire and pipe being non-metallic, see Subtronic Report and F&H photos/marked up plan sheet for details. The application process with PG&E was started right away on 12.21.2018, in hopes to minimize any delay to the project.

- 12.1.2017: Unforeseen/unsafe condition found and reported.
- 12.6.2017: F&H Potholes 3" customer gas pipe around front of building
- 12.14.2017: Subtronic onsite and unable to locate any of the underground gas piping
- 12.21.2017: F&H sent Subtronic report along with marked up plan sheet to PDU compiling all gas exploration details to date.
- 12.21.2018: Started process with PG&E to engineer the temp and permanent gas service to the new facility
- 1.3.2018: Received natural gas loads based on previous Investigated existing equipment
- 1.4.2018: Met with Miles Hancock, Bob Hennessey and Fire Marshal onsite. Suggested PG&E meter location was changed to the South East corner of site due to safety concerns with traffic so close to meter at the driveway. Sent this ne information as an updated site plan to PG&E
- 1.5.2018: Emergency Conference call, discussed possible evacuation of building, ultimately F&H directed to come up with the quickest plan of action to abandon all underground piping.
- 1.9.2018: Plan of action emailed to PDU Team
- 1.10.2018: In OAC Meeting No. 11, it was stated the gas pipe install is per code as of the date of installation. When F&H questioned the PVC pipe through the slab, the statement was modified to everything was to code except the one pipe through the slab.

- 1.17.2018: Sent Leann Whelan with PG&E the new gas load information, site plan and medium pressure gas application. The medium pressure application is necessary to reduce costs, since pipe size was reduced from 8" to 2".
- 2.13.2018: Again, followed up with PG&E, only update is that this application is in queue with engineering
- 2.14.2018: Received estimates for gas line work from FMB and MSB. Currently analyzing scopes, prices and baseline figures

Current Status: Compiling pricing from multiple subs into change order for approval

### **Brendan Corbett**

From: Daniel Hoff

Sent: Friday, December 01, 2017 4:49 PM

**To:** Robert Hennessy; Sam Lin; Deborah Bazan

Cc: Brendan Corbett; Tim O'Brien; Stephen Seibly; Charles Ferrell; Sarah Hoff

**Subject:** SMCAS Unforeseen Condition - Gas Main **Attachments:** SMAS Gas Main.pdf; Phase 1 Demo.pdf

**Categories:** San Mateo

Bob,

On 12/01/17 while investigating site utilities, F&H discovered that the routing of the gas line does not conform to information provided within the bridging documents and the gas line into the existing building, post PG&E meter, does not conform to standard plumbing design, specifically it appears to be constructed of PVC pipe material. These conditions were not indicated in the contract documents and were not considered in our bid. Additional investigation is required to identify the gas line location and routing, and F&H believes that the material and installation method of the gas line creates a potentially hazardous condition.

This letter is to notify you of the existence of a differing and potentially hazardous site condition. At this point, F&H will not further disturb the condition, and we request that you examine the condition and instruct us on how to proceed.

At this time, the impact on the project is unknown but when sufficient information has been collected to make that assessment, F&H will submit a request for additional compensation relating to the increased costs for this problem and related delay.

We assure you that we will do our best to minimize those costs and the necessary delay. If we can be of assistance in expediting the resolution of the problem, please let us know.

Your cooperation in this matter is appreciated.

Sincerely,

Daniel Hoff / LEED AP BD+C

(209) 931-3738 **PHONE** (209) 269-6327 **MOBILE** 

(209) 931-4427 **FAX** 

dhoff@f-hconst.com



1115 East Lockeford Street, Lodi, CA 95240

WWW.F-HCONST.COM



# **EXTRA WORK ORDER**

F & H CONSTRUCTION 1115 E. Lockeford St., 95240 P.O. Box 2329 Lodi, CA 95241	7			
JOB SAHMATEO AHIMAL SHRLTRIZ ES	466 Date of O	rder	6-17	
Sub-Contractors F3H [SELF PERFORMED]	Date Worl	Started 12	-6-17	
Who Ordered ROBERT HENHESSTESME GO	VI Date Work	Completed_	2-6-17	
Instructions				
DISPATCH EQUIPMENT (V	AC-TIZU	ck) A	HD	
PERSONHEL (F3H) TO				2
POT-HOLING OF EXIST			•	
	.,,			
Description of Work				
LAYOUT SELECTED POT	HOLIN	6 Loc	ATIONS	,
OF EXISTING GAS LINE			(1350)	-
WITH REHTED VAC-TRI				
Material	4			
HA				
			,	
Equipment				
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(UHITED REHTALS - I	HVOICE	# 1527	39257-001	
		. Wage	Cost	
DIPERATOR	Hours	Rate	Extension	
Berpenter ROGER WILLIAMS	8.0	8736	169800	-
aborer				
Cement Mason				
Other				
		7/		
uthorized by: Superinte	ndent:	11		

## **EXTRA WORK ORDER**

F & H CONSTRUCTION

1115 E. Lockeford St., 95240 P.O. Box 2329 Lodi, CA 95241 JOB PENINSULA ADIMAL SHELTRIZ Date of Order 1-30-18 F3HCOHISTRUCTION Date Work Started 1-30-18 Date Work Completed\_ Who Ordered Instructions H-SITE INVESTIGATION OF EXISTING GAS SERVICE IMFRASTRUCTUR AND PRED WORK FOR JOINT TRENCH ROUTINGS TEMP SPRUICR. Description of Work LOCATED P.O.C. OF EXISTING GAS SPLUTCE LINE AND PSTIMERED LOCATION OF HE W GAS MOTHERSOT, PLANIED AND PLOTRED BOST ROUTING OPTION UDCOMI Equipment Wage Cost Labor Hours Rate Extension Carpenter ROBER WILLIA OPERATOR -Laborer Cement Mason Other Superintendent: Authorized by:\_



Date: Project: 12/6/2017 5466

ct:

San Mateo Animal Name: Shelter

	VV	UKK A	UII	IONIZA	HON FO	KIVI			
TO: San Mateo County	,					Robert Hennessy			
(Owner's Have)					-	(Contact Person)			
12 Airport Blvd									
(Project's Address)						(Telephone)		(Cell)	
San Mateo	CA		940	63					
(City)	(\$5,000)		[Dp]	en edureo.		Peri)			
		DESCRIE	OIT	N of WORK					
Dispatch equipment and pe	ersonnel to p	erform e	xplo	ratory pot-	holing of exi	siting Gas Service Lir	10.		
Duration of Operation was	1ea Day.								
Labor		Office	Only			Materials & Supplies		ffice Only	
Classification / Name	Hours	Rate		Total	Quantity	Description	Unit		Total
Roger Williams	16	\$ 87.36	\$	1,397.76	$\vdash$			\$	
			\$					\$	
			\$					\$	
			\$	00				5	
			\$						
Subtotal			\$	1,397.76			Subtotal	5	
Total Labor:			\$	1,397.76	Total Mate	rial (including Tzd)		5	
	_					COST SUM	MARV		Total
Equipment & Tools	+	Office Only	<u> </u>			COST SOIVII	VIART	1.	Total
Rented , Owned & Safety	Units (Day)	Rate	-	Total		Labor		- 5	1,397.76
FX-30 Ditch-Witch Trailer Unit	1	\$ 844.42	\$	844.42		Materials & Supplies		\$	-
	_	\$ .	\$			Equipment & Tools		\$	844.42
		\$ -	\$	140			Subtotal	5	2,242.18
		\$ -	\$	-		Markup 15%		\$	336.33
Equipment & Tools Total			\$	844.42		TOTAL:		5	2,578.51
You are authorized to provide labo to pay all costs incurred in the perf agreement, unless stated otherwic	formance of thi			same terms a	nd conditions a				
F&H Construction				U	wner/IOR				
By:				By	r.			Date:	

# F H CONSTRUCTION BILLING RATES 2017-2018

# **Operating Engineer**

Roger Williams

Valley/Bay Journeyman Group 3 P\$1 Area 1

		S.T.	O.T.	D.T.
Base	-	42.66	63.99	85.32
Vacation		3.35	3.35	3.35
Supplemental Dues		1.16	1.16	1.16
Cappionional Base	-	47.17	68.50	89.83
S.U.I.	6.20%	2.92	4.25	5.57
S.S. & Medicare	7.65%	3.61	5.24	6.87
FUTA	0.80%	0.38	0.55	0.72
Workers Comp. (6220)	6.05%	2.85	4.14	5.43
Health & Welfare	0.0075	11.34	11.34	11.34
Pensioned H & W / Retiree		2.44	2.44	2.44
Pension		10.78	10.78	10.78
		0.92	0.92	0.92
Affirmative Action Training		0.40	0.40	0.40
Annuity Contract Administration		0.39	0.39	0.39
Subtotal	5%	83.20 4.16	108.95 5.45	134.69 6.73
Contractor's Liability	570	87.36	114.40	141.43

Effective June 26, 2017

Entered into Timberline:\_

DocuSign Envelope ID: A232E506-D032-4C59-B575-CE638D07E2E6 INVOICE BRANCH 606 123 LOOMIS ST SAN FRANCISCO CA 34124-1512 415-642-1300 415-642-1745 FAX # 152739257-001 Customer # : 313001 : 12/07/17 : 12/06/17 Job Site Invoice Date HUMANE SOCIETY 07:01 AM Rental Out /06/17 01:35 PM AIRPORT BLVD, SAN Addres Rental In : 12/06/17 12 AIRPORT BLVD UR Job Loc UR Job # SAN MATEO CA 94401-1006 Customer Job ID: P.O. # Office: 209-931-3738 Cell: 209-327+9222 TIM O'BRIEN Ordered By Reserved By STEPHANIE DENSON Salesperson : GARY SIMMONS SENTENDER BLANCKER LEGICLE CHERT STREET CONTRACTOR OF THE SENTENCE SERVICE SER F&H CONSTRUCTION Invoice Amount: \$884.42 PO BOX 2329 1115 E LOCKEFORD ST Terms: Due Upon Receipt
Payment options: Contact our credit office 704-916-2482 LODI CA 95240-0878 REMIT TO: UNITED RENTALS (NORTH AMERICA), INC. FILE 51122 LOS ANGELES CA 90074-1122 RENTAL ITEMS: Oty Equipment Description Minimum 4 Week Day Week Amount 1 10225761 VACUUM TRAILER 400-750 GALLON Make: DITCHWITCH Model: FX30 987.00 587.00 1725.00 4382.00 587.00 Serial: CMWFX30XEE0002090 Meter out: 526.00 Meter in: 530.40 Rental Subtotal: 587.00 SALES/MISCRLLANEOUS ITEMS: Oty Item Price Unit of Measure Extended Amt. REPUELING SERVICE CHARGE (DIESEL) 4.8 [USL/MCI] 7.600 EACH 36.48 DELIVERY CHARGE 97.000 EACH 97.00 PICKUP CHARGE 97.000 EACH 97.00 Sales/Misc Subtotal: 230.48 Agreement Subtotal: 781.00 36.48 Fuel:

COMMENTS/NOTES:

ROGER WILLIAMS 209.610.9741

THIS INVOICE IS ISSUED SUBJECT TO THE TERMS AND CONDITIONS OF THE RENTAL AGREEMENT, WHICH ARE INCORPORATED HEREIN BY REFERENCE.

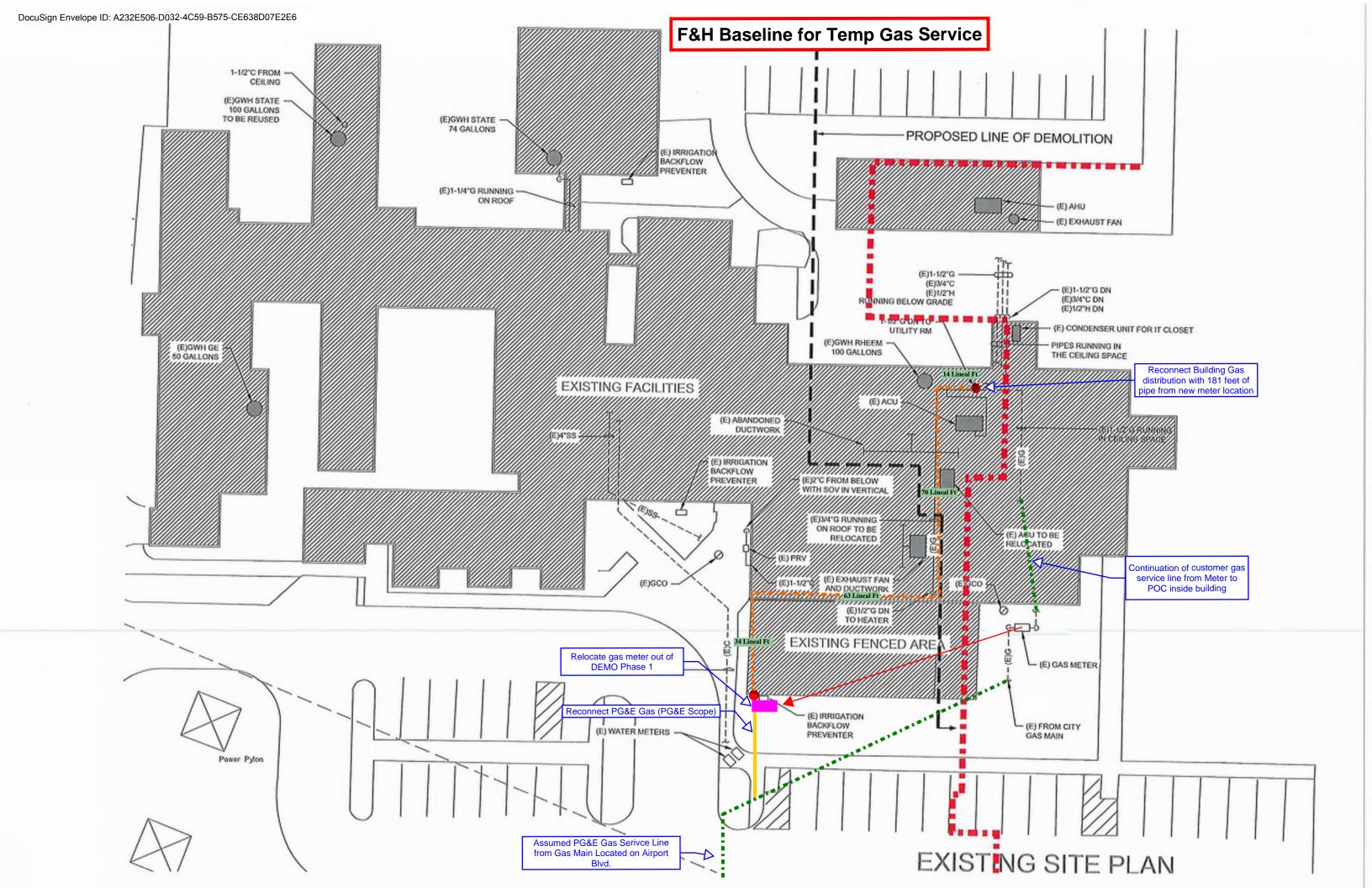
A COPY OF THE RENTAL AGREEMENT IS AVAILABLE UPON REQUEST.

Tax:

Total:

66.94

884.42



# F&H Baseline for Temp Gas Service

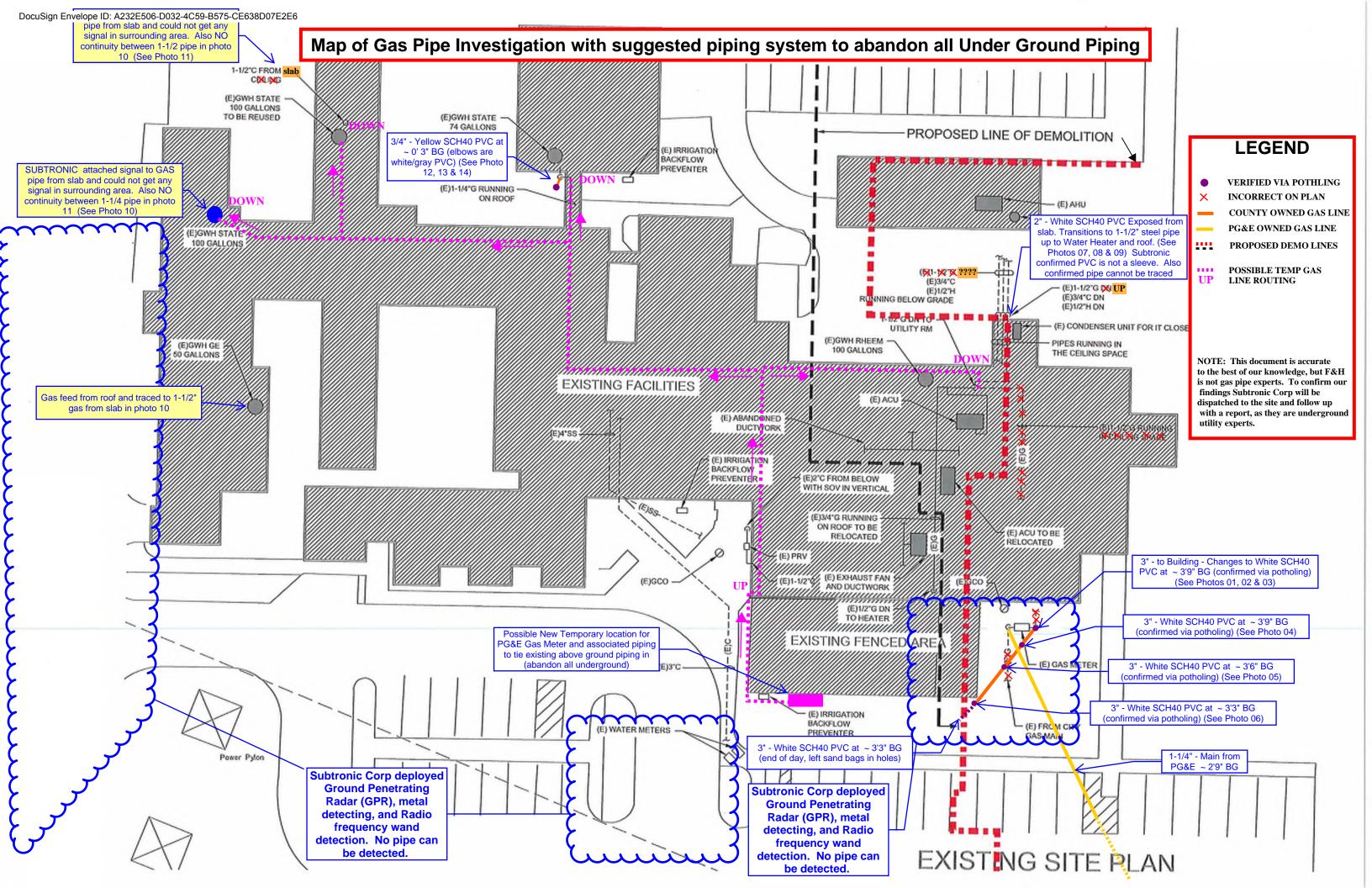
### **GENERAL COST ESTIMATE**

SAN MATEO COUNTY ANIMAL SHELTER REPLACEMENT ESTIMATE NO.: 1
SAN MATEO , CA ESTIMATOR: BRENDAN
DATE: 20-Feb-18

Temporary Facilities - PG&E Gas Service Relocation

LABOR RATE	\$92.50	PLUMBER

DESCRIPTION	QUANTITY	UNIT	MATER.	EQUIP.	LABOR	LBR PRO.	MATERIAL	EQUIP.	OWN/OP	LABOR	LABOR	TOTAL	LABOR
			UNIT COST	UNIT COST	UNIT COST	/ HOUR	COST	COST	COST	HRS	COST	COST	UNIT COS
Temp Facilities - PG&E Gas Service Relocation													
Relocate (E) Gas Meter to Location Noted (PG&E)	1.00	LS	0.00	0.00	0.00	0.00	0.00	0.00	By Owner	0.00	0.00	0.00	0.0
Re-Route (E) On-Site Gas Main and Tie-In to Relocated Meter Set (PG&E)	1.00	LS	0.00	0.00	0.00	0.00	0.00	0.00	By Owner	0.00	0.00	0.00	0.0
Route New Steel Gas Line from New Meter Set to Roof-Top Terminations	181.00	LF	8.00	3.00	0.00	5.50	1,448.00	543.00	0.00	32.91	3,044.09	5,035.09	0.1
Make Final Connections and Start New Install	8.00	EA	65.00	0.00	12.00	0.25	520.00	0.00	96.00	32.00	2,960.00	3,576.00	4.0
Pressure and Leak Testing	1.00	LS	165.00	0.00	8.00	0.10	165.00	0.00	8.00	10.00	925.00	1,098.00	10.0
Crew Truck and Small Tools & Supplies	1.00	LS	700.00	0.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	700.00	0.0
							0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	
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							0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	
MISC. ITEMS													
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	0.00	EA					0.00	0.00	0.00	0.00	0.00	0.00	#DIV/0!
<u> </u>													
							2,833	543	104	75	\$ 6,929.09	\$10,409.09	



























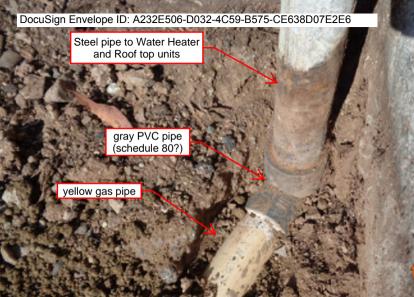


Photo 14

2 07 2017

Subject:

Location of Gas Lines

Client:

F & H Construction

Locator:

Gary Travers

Location:

Peninsula Humane Society

Date:

12/14/2017

Time:

7:30 am - 10:30 am

Contact:

Tim O'Brien

Scope:

Location of four gas lines: one 2" PVC gas main and three gas risers:

One 2" and two 1 1/2".

Additional

Scope:

Attempt to find abandoned PGE line in two areas.

Equipment:

Radio Detection Pipe and Cable Locator 8000

Fisher Magnetometer Model TW-6

GSSI Ground Penetrating Radar Model 3000

Investigation: All three gas risers did not give a traceable signal. The indications given by the Model 8000 transmitter (14-18V/5mA) suggested no circuit continuity. Different grounding locations and frequencies were tried. An ohms check between the boiler room gas riser and the hot water gas riser showed no continuity. An attempt to locate the 2" PVC gas main in front of the facility with ground penetrating radar failed to detect the path of the gas main.

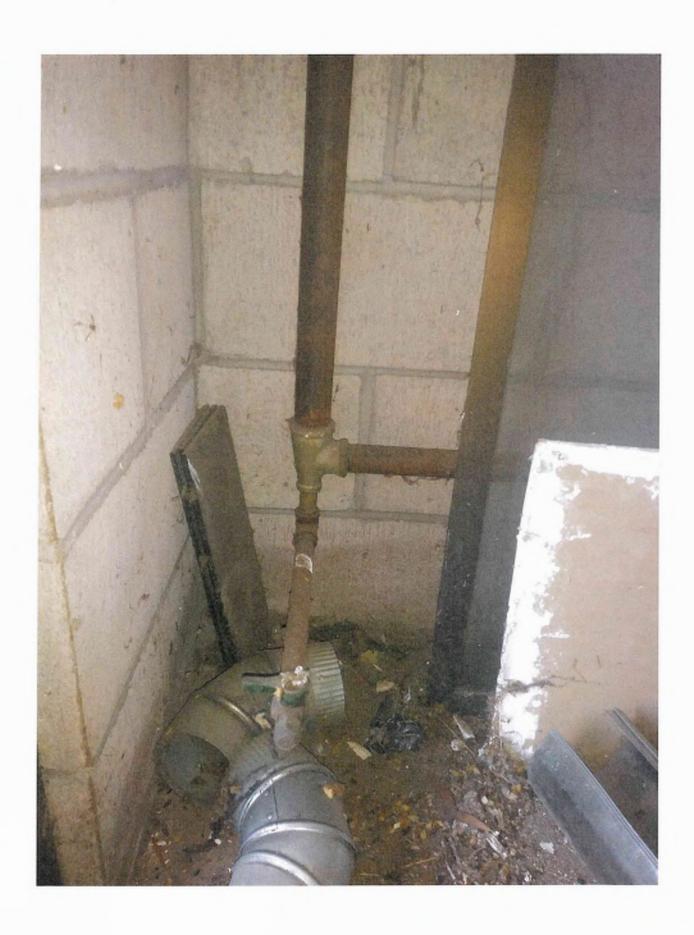
> Tim requested additional scope to the original estimate: attempt to find abandoned PGE electrical lines in two areas. No lines were found in the north-most driveway using all listed equipment. In the main driveway through the parking lot near the front door the marked water line was verified using ground penetrating radar and an irrigation line was found using same. No additional lines were found using all listed equipment.

Images:

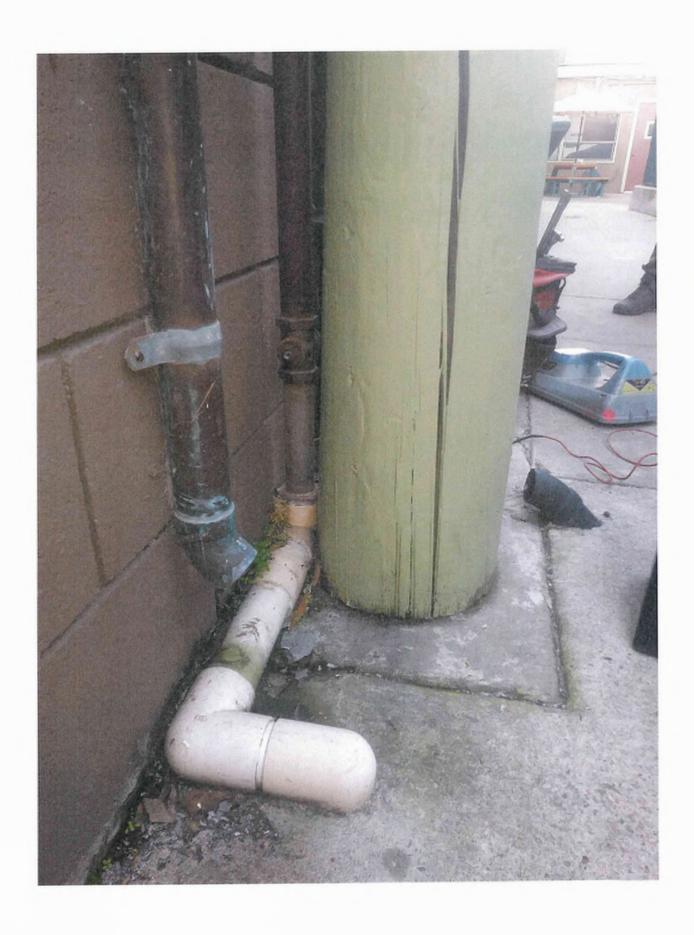
Image 1: 1 1/2" gas line from slab on North side of facility.

Image 2: 1 1/2" gas line from slab on West side of facility.

Image 3: 2" white schedule 40 PVC







### **Emergency Meeting/Conference Call Requested**

### **Brendan Corbett**

**From:** Robert Hennessy < c\_rhennessy@smcgov.org >

**Sent:** Friday, January 05, 2018 8:30 AM

**To:** Daniel Hoff; Stephen Seibly; Charles Ferrell

**Cc:** Tim O'Brien; Brendan Corbett; Deborah Bazan; Sam Lin **Subject:** FW: Animal Shelter Replacement - 12 Airport Blvd.

Importance: High

Categories: San Mateo

Hi Daniel & Team,

Due to the urgency regarding the issues at the Animal Shelter, a special meeting has been scheduled for 10:30 AM TODAY at the PDU Redwood City Office, 1402 Maple St..

If you are unable to attend in person, we will setup a telephone conference call.

Also, I would like to discuss the latest issue regarding the additional retention basin!

Please contact me ASAP, in order to prepare for this important meeting.

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

From: Robert Hennessy

**Sent:** Friday, January 05, 2018 8:22 AM **To:** Miles Hancock < mhancock@smcgov.org>

Cc: Deborah Bazan <dbazan@smcgov.org>; Sam Lin <slin@smcgov.org>

Subject: RE: Animal Shelter Replacement - 12 Airport Blvd.

Hi Miles,

Yes, meeting confirmed with Debbie. Also in attendance will be the General Contractor, F & H Construction.

We will meet at the PDU Field Office 1402 Maple Street at 10:30 AM today, Jan. 5<sup>th</sup>.

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

From: Miles Hancock

Sent: Friday, January 05, 2018 7:41 AM

To: Robert Hennessy < <a href="mailto:rhennessy@smcgov.org">c rhennessy@smcgov.org</a>>

Cc: Deborah Bazan <dbazan@smcgov.org>; Sam Lin <slin@smcgov.org>

Subject: RE: Animal Shelter Replacement - 12 Airport Blvd.

Good morning,

I'm available to meet at 10:30 this morning if that works.

Miles

From: Robert Hennessy

**Sent:** Thursday, January 04, 2018 5:08 PM **To:** Miles Hancock < mhancock@smcgov.org>

Cc: Deborah Bazan < dbazan@smcgov.org >; Sam Lin < slin@smcgov.org >

Subject: FW: Animal Shelter Replacement - 12 Airport Blvd.

Hi Miles,

I just spoke with Debbie and she would like to meet tomorrow, Jan. 5<sup>th</sup> if at all possible.

If tomorrow works, please let us know what time will work best with your schedule.

I apologize for the short notice, but there is considerable concern regarding the existing utilities, gas, electrical and other Building Code deficiencies at the facility and their potential impact on safety, costs, liability and the project delivery schedule.

Let me know if tomorrow works for you.

Thank you,

Bob

### **Emergency Conference Call**

### **Brendan Corbett**

To: Subject: Robert Hennessy; Miles Hancock; Daniel Hoff; Tim O'Brien; Deborah Bazan; Sam Lin RE: Animal Shelter - Existing Gas Service

-----Original Appointment-----

**From:** Robert Hennessy [mailto:c\_rhennessy@smcgov.org]

Sent: Wednesday, January 03, 2018 2:24 PM

To: Robert Hennessy; Miles Hancock; Daniel Hoff; Tim O'Brien; Brendan Corbett; Deborah Bazan; Sam Lin

Subject: Animal Shelter - Existing Gas Service

When: Thursday, January 04, 2018 1:00 PM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: 12 Airport Blvd. San Mateo

The meeting will be held at the Animal Shelter site to review the current status of the existing gas line.

Should you have any questions, please contact me at 925-997-2956.

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

### **Post Emergency Conference Call Emails**

### **Brendan Corbett**

From: Daniel Hoff

**Sent:** Tuesday, January 09, 2018 3:17 PM **To:** Miles Hancock; Robert Hennessy

Cc: Sam Lin; Deborah Bazan; Tim O'Brien; Brendan Corbett; Stephen Seibly

**Subject:** RE: Animal Shelter - Existing Gas Service

Attachments: Temp Gas P100.pdf; SMAS Temp NG - Existing Building.pdf; SMAS Current NG - New

Building.pdf; PGE Temp Service Map (REV 3 1.8.2018).pdf

Follow Up Flag: Follow up Flag Status: Flagged

Categories: San Mateo

Team,

Attached are the following documents:

- 1. Temporary Gas Piping for Existing Facility Plan Check Drawing
- 2. NG Load for Existing Building
- 3. NG Load New Building
- 4. PGE and Site Utilities Service Map (Gas) Revision 3

Representative from FMB will be available via conference call during our meeting tomorrow. If there are any questions prior to our meeting, please feel free to contact me anytime.

Thanks,

**Daniel Hoff** / LEED AP BD+C

(209) 931-3738 PHONE

(209) 269-6327 MOBILE

(209) 931-4427 FAX

dhoff@f-hconst.com



1115 East Lockeford Street, Lodi, CA 95240

#### WWW.F-HCONST.COM



Please consider the environment before printing this email.

CONFIDENTIALITY STATEMENT: This electronic mail message, including attachments, is a confidential communication exclusively between F & H Construction and the intended recipient(s) indicated as the addressee(s). It contains information that is private and may be proprietary or may be covered by legal professional privilege. If you receive this message in any form and you are not the intended recipient you must not review, use, discuss or disseminate it. We would be grateful if you could contact the sender at (209) 931-3738 upon receipt and in any event you should destroy this message without delay. Anything contained in this message that is not connected with the business of F & H Construction or its affiliates is neither endorsed by nor is the liability of this company.

**From:** Miles Hancock [mailto:mhancock@smcgov.org]

Sent: Tuesday, January 09, 2018 11:49 AM

To: Robert Hennessy <c\_rhennessy@smcgov.org>

Cc: Sam Lin <slin@smcgov.org>; Deborah Bazan <dbazan@smcgov.org>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter - Existing Gas Service

Hi Bob,

I'm waiting for the planner that deals with drainage to get into the office in order to discuss the retention basin criteria. I will try to have some information on it for tomorrows meeting.

Regards,

#### Miles

From: Robert Hennessy

**Sent:** Tuesday, January 09, 2018 11:36 AM **To:** Miles Hancock < mhancock @smcgov.org>

Cc: Sam Lin <slin@smcgov.org>; Deborah Bazan <dbazan@smcgov.org>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter - Existing Gas Service

Hi Miles,

OK, see you tomorrow at 11:00 AM.

Also, were you able to look into the issue regarding an added retention basin as requested by DPW?

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street
Redwood City, CA 94063
925-997-2956 C
www.smcpdu.org

From: Miles Hancock

Sent: Tuesday, January 09, 2018 11:02 AM

To: Robert Hennessy < <a href="mailto:rhennessy@smcgov.org">c rhennessy@smcgov.org</a>>

Cc: Sam Lin <slin@smcgov.org>; Deborah Bazan <dbazan@smcgov.org>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter - Existing Gas Service

Hi Bob.

I can meet at 11 tomorrow.

Regards,

Miles

From: Robert Hennessy

**Sent:** Tuesday, January 09, 2018 10:41 AM **To:** Miles Hancock < <a href="mailto:mhancock@smcgov.org">mhancock@smcgov.org</a>

Cc: Sam Lin <slin@smcgov.org>; Deborah Bazan <dbazan@smcgov.org>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter - Existing Gas Service

Hi Miles,

I just spoke with Daniel (F&H Construction) and they will have the proposed gas service layout (by Frank Booth) and planned installation schedule ready to review by tomorrow.

Would you be available to meet with the Team tomorrow, Wed. Jan. 10th at 11:00 AM at the PDU Office? Please let me know and I will coordinate with the Team.

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

From: Miles Hancock

Sent: Monday, January 08, 2018 2:55 PM

To: Deborah Bazan <a href="mailto:dbazan@smcgov.org">dbazan@smcgov.org</a>; Robert Hennessy <a href="mailto:critical-action-color: blazan@smcgov.org">critical-action-color: blazan@smcgov.org</a>; Robert State ("mailto:critical-action-color: blaza

**Cc:** Sam Lin <<u>slin@smcgov.org</u>>; Daniel Hoff <<u>dhoff@f-hconst.com</u>>

Subject: RE: Animal Shelter - Existing Gas Service

Good afternoon,

I can meet tomorrow afternoon at 1:30 if that works. I also have Wednesday available. Did anyone let F&H know that we aren't in such an urgent scenario as we thought?

Regards,

#### Miles

From: Deborah Bazan

Sent: Monday, January 08, 2018 1:56 PM

To: Robert Hennessy <c rhennessy@smcgov.org>; Miles Hancock <mhancock@smcgov.org>

Cc: Sam Lin <<u>slin@smcgov.org</u>>; Daniel Hoff <<u>dhoff@f-hconst.com</u>>

Subject: RE: Animal Shelter - Existing Gas Service

Thank you. Please schedule for a time that works for you and team and if I can attend I will, but I don't want you limited by my availability.

#### Debbie

From: Robert Hennessy

**Sent:** Monday, January 08, 2018 1:25 PM **To:** Miles Hancock < mhancock@smcgov.org>

Cc: Deborah Bazan <a href="mailto:com/bazan@smcgov.org">dbazan@smcgov.org</a>; Sam Lin <slin@smcgov.org>; Daniel Hoff <a href="mailto:dhoff@f-hconst.com">dhoff@f-hconst.com</a>>

Subject: Animal Shelter - Existing Gas Service

#### Hi Miles.

I spoke with Daniel (F&H Construction) today and they have been in contact with Frank Booth regarding the proposed plan to deal with the existing gas service at the Animal Shelter. They expect to receive the final plan from Frank Booth later today

and will schedule a meeting, perhaps as soon as tomorrow. To plan ahead, are you available tomorrow and if so, what time would work best for you? Please advise.

Thank you,

#### Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

From: Robert Hennessy

**Sent:** Friday, January 05, 2018 2:37 PM **To:** Miles Hancock < mhancock@smcgov.org>

Cc: Deborah Bazan <dbazan@smcgov.org>; Sam Lin <slin@smcgov.org>

Subject: FW: SMCAS Site Photos, 1974 and 1982.pdf

Hi Miles,

The GC & Team did further research and determined from aerial photos that a large expansion to the Animal Shelter took place between 1974 and 1982.

Their findings also discovered that the plans for the addition were dated 1980.

Hope this additional information is of help.

Thank you,

Bob

### Robert J. Hennessy PE

Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

### **Project Development Unit**

1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

From: Daniel Hoff [mailto:dhoff@f-hconst.com]

Sent: Friday, January 05, 2018 2:16 PM

**To:** Robert Hennessy < <u>c rhennessy@smcgov.org</u>>

Cc: Tim O'Brien <tobrien@f-hconst.com>; Brendan Corbett <bcorbett@f-hconst.com>; Stephen Seibly@f-

hconst.com>

Subject: SMCAS Site Photos, 1974 and 1982.pdf

Hey Bob,

Just as a reference attached are two photos that show a large expansion done between 1974 and 1982.

Thanks,

### Daniel Hoff / LEED AP BD+C

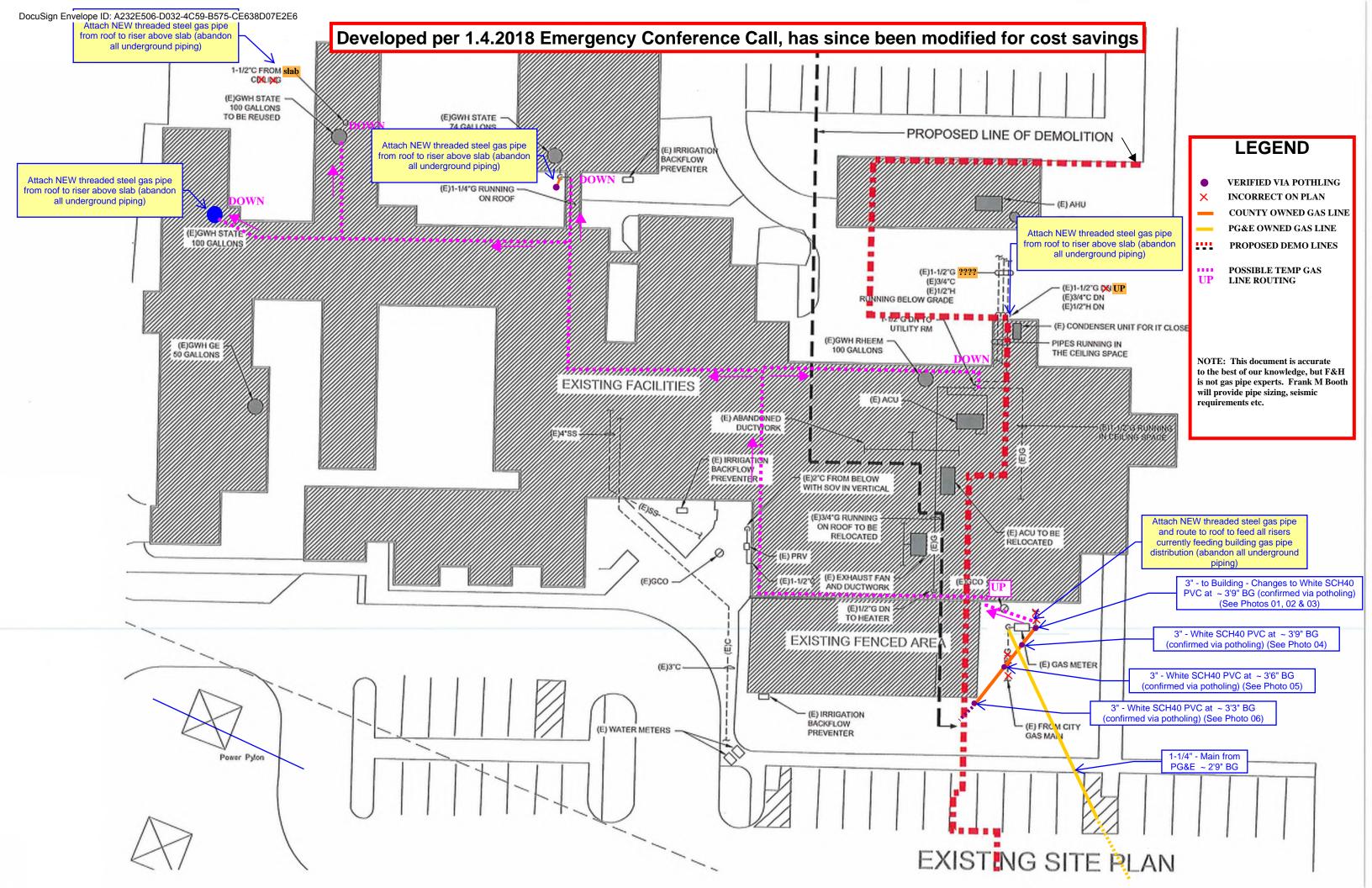
(209) 931-3738 **PHONE** (209) 269-6327 **MOBILE** (209) 931-4427 **FAX** dhoff@f-hconst.com



1115 East Lockeford Street, Lodi, CA 95240

WWW.F-HCONST.COM





.4 .0

6" MIN.

1'-0" MAX.

TYPICAL OF NATURAL GAS PIPING BELOW GRADE

## Developed per 1.4.2018 Emergency Conference Call, has since been modified for cost savings

NOT TO SCALE

### COOPER B-LINE B2000 OD PIPE CLAMP. TYP. OF STEEL PIPE. CONTINUOUS 6" WIDE CAUTION TAPE DIRECTLY ABOVE BURIED PIPING MIRO INDUSTRIES, INC. MODEL - FINISHED GRADE "16-BASE STRUT-7" MANUFACTURED PIPE SUPPORT MASTIC SUPPORT TO WALK PAD, TYP. SUBGRADE WALK PAD UNDER SUPPORT, BY OTHERS. - EXISTING ROOFING. ANY REPAIR OR TRENCH BACKFILL, REFER ROOF MODIFICATIONS BY OTHERS. TO COUNTY STANDARDS FOR COMPACTION AND TESTING REQUIREMENTS, TYP. NATURAL GAS PIPING BELOW - EXISTING WOOD GRADE, REFER TO MATERIAL FRAMING, TYP. MATRIX AND PLANS FOR DETAILS. SAND BEDDING, TYP. MAXIMUM LOAD PER SUPPORT NOT TO EXCEED 200 LBS.

- 2. MAXIMUM SUPPORT SPACING SHALL NOT EXCEED 6 FEET ON CENTER FOR PIPE SIZES 1" AND UNDER, 10 FEET ON CENTER MAXIMUM SUPPORT SPACING FOR PIPE SIZES ABOVE 1".
- 3. CENTER PIPING ON SUPPORT TO EVENLY DISTRIBUTE WEIGHT. 4. COOPER B-LINE DURA-BLOCK ROOF SUPPORT OR EQUAL ACCEPTABLE.

1" POC TO EXISTING PIPE (4)

## PIPE SUPPORT DETAIL

NOT TO SCALE

EXISTING FACILITY TEMPORARY NATURAL GAS PIPING PLAN

ITEM 04

ITEM 05

TYPICAL OF ROOF TOP PIPING

# **SHEET NOTES:**

- 1) EXISTING PG&E MAIN, PRV AND METER. NOT IN PLUMBING SCOPE OF WORK.
- 2 4" POINT OF CONNECTION TO EXISTING METER FOR LOW PRESSURE GAS DISTRIBUTION PIPING AT 7"WC. PURGE EXISTING LOW PRESSURE GAS MAIN, REMOVE PORTION OF EXISTING PIPING FOR NEW INSTALLATION AND ABANDON THE REMAINDER IN PLACE.
- 3 NEW PIPE TRENCH, ROUTE NEW GAS PIPING TO AVOID EXISTING OBSTRUCTIONS. ACCEPTABLE TO ROUTE UNDERGROUND STRAIGHT TO PIPE RISE TO ROOF AND ROUTE AS SHOWN.
- (4) VERIFY POINT OF CONNECTION PIPE SIZE, REDUCE AS NECESSARY. IF EXISTING PIPE SIZE IS LARGER THAN SIZE LISTED, USE THE LARGER OF THE TWO BACK TO THE MAIN.

## **GENERAL NOTES:**

- 1. ITEM NUMBERS SHOWN CORRESPOND TO THE ITEM NUMBER AND DESCRIPTION LISTED IN THE NATURAL GAS SIZING SCHEDULE.
- 2. EQUIPMENT SHOWN BOLD AND SHADED INDICATE EQUIPMENT SERVED BY NATURAL GAS LOCATED ON THE ROOF.
- 3. EQUIPMENT SHOWN WITH A DASHED LINE INDICATE EQUIPMENT SERVED BY NATURAL GAS LOCATED BELOW THE ROOF.

## PLUMBING SCOPE

### PLUMBING SCOPE:

REPLACE EXISTING NATURAL GAS PIPING MAINS TO THE EXISTING ANIMAL SERVICE FACILITY WITH NEW ROOF TOP PIPING WHILE THE NEW FACILITY IS IN CONSTRUCTION.

### PROCEDURE FOR CONSTRUCTION:

- 1. FIELD VERIFY INFORMATION CONTAINED WITHIN THESE PLANS BEFORE BEGINNING CONSTRUCTION.
- 2. COORDINATE ANY MECHANICAL OR PLUMBING EQUIPMENT SHUTDOWNS WITH THE FACILITY MANAGER BEFORE COMMENCING ANY CONSTRUCTION.
- 3. WHERE EXISTING PIPING CONTAINING GAS IS TO BE REMOVED, THE PIPING SHALL BE DISCONNECTED FROM SOURCES OF GAS AND THOROUGHLY PURGED WITH AIR, WATER, OR INERT GAS BEFORE CUTTING OR WELDING IS PERFORMED.

## **GENERAL NOTES**

- ALL NEW WORK SHALL COMPLY WITH 2016 CALIFORNIA BUILDING CODE, 2016 CALIFORNIA BUILDING ADMINISTRATIVE, 2016 CALIFORNIA REFERENCE STANDARDS CODE, 2016 GREEN BUILDING STANDARDS CODE (CALgreen) WITH AMENDMENTS, 2016 CALIFORNIA ENERGY CODE, 2016 FIRE CODE WITH LOCAL AMENDMENTS AND APPLICABLÉ NFPA STANDARDS, 2016 CALIFORNIA MECHANICAL CODE, 2016 CALIFORNIA PLUMBING CODE, 2016 CALIFORNIA ELECTRICAL CODE, AMERICAN WITH DISABILITIES ACT (ADA), SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
- 2. INSTALLATION SHALL BE IN ACCORDANCE WITH IAPMO INSTALLATION STANDARDS.
- . REFER TO THE GEOTECHNICAL REPORT FOR SPECIFIC TRENCHING, BACKFILL, COMPACTION, AND PIPE PROTECTION FOR UNDERGROUND PLUMBING SYSTEMS.
- COORDINATE LOCATIONS OF ALL ROOF OPENINGS WITH STRUCTURAL AND ARCHITECTURAL PLANS
- PRIOR TO INSTALLATION IF APPLICABLE. 5. PURGE OUTDOOR NATURAL GAS SYSTEM PER CALIFORNIA PLUMBING CODE SECTIONS 1213.6.1.1
- THROUGH 1213.6.1.4. 6. INFORMATION CONTAINED WITHIN THESE PLANS IS BASED ON FIELD SITE VISIT DATA. NO AS BUILT
- DATA AVAILABLE FOR VERIFICATION. VERIFY ALL INFORMATION AND REPORT ANY DISCREPANCIES TO THE MECHANICAL ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

## PLUMBING PIPE MATERIAL MATRIX

ID	SYSTEM	PIPE SIZE	MATERIAL	JOINT TYPE	INSULATION
LPG	NATURAL GAS (LOW PRESSURE)	1/2"-2"	STANDARD WEIGHT BLACK ERW THREADED AND COUPLED ASTM A53, GRADE A	150 MALLEABLE IRON, SCREWED, BANDED FITTINGS	N/A
LPG	NATURAL GAS (LOW PRESSURE)	2-1/2"-4"		STANDARD WEIGHT BUTT WELDING, ASTM A234 AND ANSI B16.9 OR 3000 LB. SOCKET WELD FITTINGS.	N/A
-PG	NATURAL GAS (LOW PRESSURE, BELOW GRADE)	2-1/2"-4"	40 BLACK ERW ENDS BEVELED FOR WELDING	STANDARD WEIGHT BUTT WELDING, ASTM A234 AND ANSI B16.9 OR 3000 LB. SOCKET WELD FITTINGS.	N/A

OUTDOOR PIPING SHALL BE PAINTED FOR CORROSION PROTECTION, BY OTHERS. ENCASE BELOW GRADE STEEL FITTINGS AND BARE STEEL PIPING IN 8-MIL POLYETHYLENE

## **SCHEDULE NOTES:**

PER AWWA C-105.

## CPC NATURAL GAS SIZING

## **BASIC INFORMATION:**

GAS DEMANDS AND ASSOCIATED DEVELOPED LENGTHS:

AS DEMANDS A	AND ASSOCIATED	DEVELOPED LENG	31H2:	
ITEM NO.	APPLIANCE:	BTUH INPUT:	<u>CFH:</u>	DEVELOPED LENGTH FROM METER:
01	AC UNIT	80,000	80.0	445'-0"
02	AC UNIT	80,000	80.0	455'-0"
03	AC UNIT	40,000	40.0	285'-0"
04	AC UNIT	60,000	60.0	385'-0"
05	AC UNIT	95,000	95.0	380'-0"
06**	FURNACE	80,000	80.0	465'-0"
07	WATER HEATER	199,000	199.0	435'-0"
08**	FURNACE	80,000	80.0	440'-0"
09**	FURNACE	100,000	100.0	445'-0"
10	WATER HEATER	40,000	40.0	480'-0" FURTHEST FROM METER
11	DRYER	120,000	120.0	325'-0"
12	DRYER	120,000	120.0	330'-0"
13	WATER HEATER	75,100	75.1	365'-0"
14**	GAS HEATER	60,000	60.0	325'-0"
15**	GAS HEATER	60,000	60.0	310'-0"
16	WATER HEATER	76,000	76.0	180'-0"
17	FURNACE	250,000	250.0	160'-0"
18	AC UNIT	45,000	45.0	135'-0"
19	WATER HEATER	45,000	45.0	100'-0"
CUDTOTALA		1 705 100	1 705 1	

SUBTOTAL:	1,325,100	1,325.1
SUBTOTAL:**	380,000	380.0
ALLOWANCE (±18%):	309,900	309.9
TOTALS:	2,015,000	2,015.0

	LOW PRESSURE GAS PIPE SIZING FROM GAS PRESSURE REGULATOR								
CPC CHAPTER 12 TABLE 1216.2(1) GAS PRESSURE 7.0" WC DEVELOPED LENGTH 500'-0						H 500'-0"			
PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
CFH ALLOWED	21	43	82	168	251	484	771	1,360	2,780

## **SCHEDULE NOTES:**

- ITEM NUMBERS WITH THE DOUBLE ASTERISK SUFFIX DID NOT HAVE SUFFICIENT ACCESS TO ACQUIRE THE EXISTING NAME PLATE DATA. CAPACITIES LISTED ARE ESTIMATES BASED ON PHYSICAL EQUIPMENT SIZE, EXISTING EQUIPMENT MAKE/MODEL SIZE OPTIONS, AND BUILDING TYPE.
- FOR SIZING PURPOSES CUBIC FEET PER HOUR EQUALS 1,000 BRITISH THERMAL UNITS PER HOUR
- ABOVE TABLES BASED ON CHAPTER 12 OF THE CALIFORNIA PLUMBING CODE FOR SCHEDULE 40 METALLIC PIPING.
- STANDARD WEIGHT AND SCHEDULE 40 PIPING WALL THICKNESS AND DIMENSIONAL DATA ARE THE SAME FOR PIPE SIZES 1/2" THROUGH 10". ALLOWANCE FACTOR LISTÉD ABOVE IS A SAFETY FACTOR APPLIED DUE TO MULTIPLE RENOVATIONS
- WITHOUT AVAILABLE AS BUILT INFORMATION. EQUIPMENT INPUT CAPACITIES ARE DIRECTLY OFF NAMEPLATE DATA WHEN AVAILABLE.



Spaces for life

1115 East Lockeford Street Lodi, CA 95240 209.931.3738

www.f-hconst.com

General Contractor:

General Contractors

F&H Construction

FME FRANK M. BOOTH, INC.

Mechanical Engineers: Frank M. Booth, Inc. Mech/Plumb Design Build 4220 Douglas Blvd. Granite Bay, CA 95746 916.784.0777 www.frankbooth.com



**COUNTY OF SAN MATEO** Dept of Public Works

555 County Center - Fifth Floor Redwood City, CA 94063 650.363.4100

ANIMAL SHELTER TEMPORARY NATURAL GAS PIPING 12 Airport Blvd San Mateo, CA

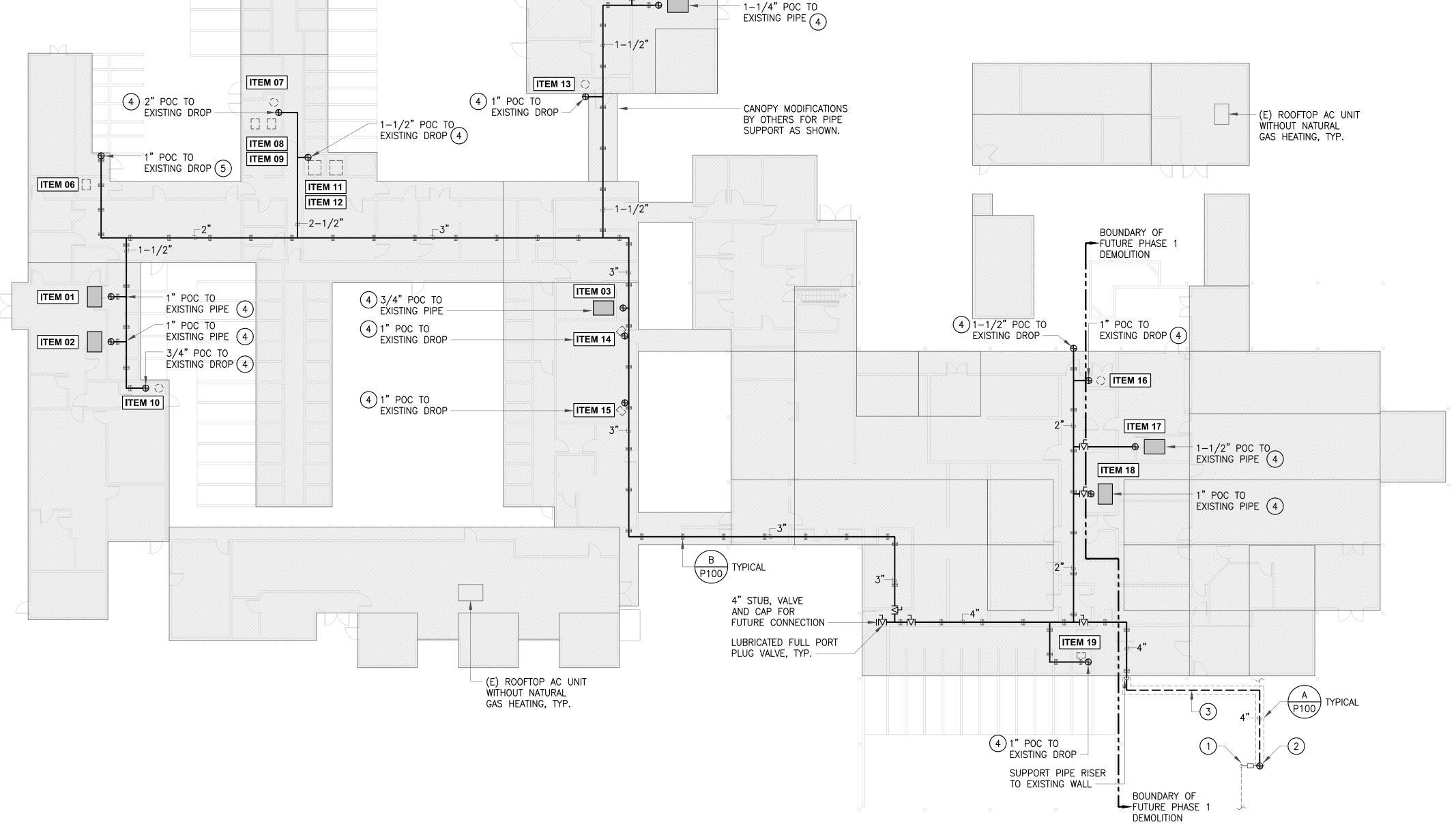
Project No.: FMB No. 1704 Drawn By: JM Checked By: DP

Description

01/09/2018 FOR PLAN CHECK

**TEMPORARY NATURAL GAS** PIPING PLAN AND NOTES

P100



### **Extra Underground Gas Piping**



February 15, 2018

12893 Alcosta Blvd., Suite K San Ramon, CA 94583 P: 925.307.6224 License #990872

Dan Whaley
Engineer/Estimator
MBS Engineering
dan@MBS.Engineering

**TO:** Daniel Hoff

F&H Construction, Inc 1115 East Lockeford Street Lodi, CA 95240

**RE:** San Mateo Animal Shelter

**Underground Natural Gas Line Installation** 

MBS Engineering, Inc. (MBS) has reviewed the drawings sent by F&H Construction regarding the new installation of underground natural gas lines for the San Mateo Animal Shelter. We are pleased to provide the following proposal:

### **SCOPE OF WORK:**

Installation of new, underground natural gas line for the San Mateo Animal Shelter. MBS Engineering will provide safety procedures and materials as detailed below, cutting and removal of asphalt and concrete, vacuum excavation to create new gas line trench, and furnishing and installing of new 2" & 1.25" underground medium-density polyethylene gas pipelines as specified for temporary service line to existing animal shelter and permanent gas service for new facility. MDPE Poly pipe will be Performance Pipe brand rated for underground use for natural gas. MBS will also install 2" seismic gas shut-off valve, manual shut-off valves specified, backfill trench with new sand and soil, and replace all concrete, asphalt and grass to match existing.



12893 Alcosta Blvd., Suite K San Ramon, CA 94583 Office: (925) 907-6224 Fax: (925) 365-1618

Fax: (925) 365-1618 License: #990872

**CA Small Business Certification 2003043** 

### **DESCRIPTION OF JOB SERVICES:**

### **Utility Locating**

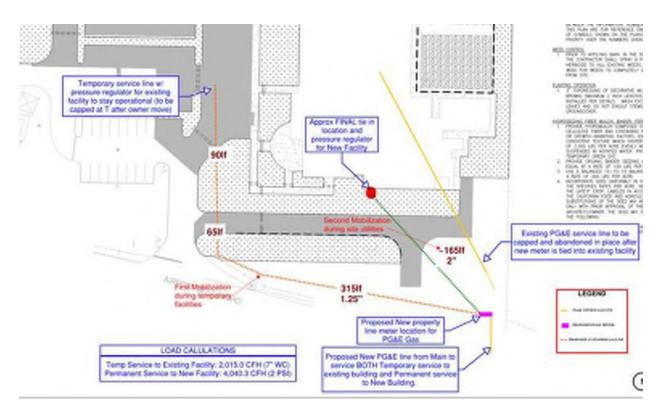
 No utility locating service provided in this quote. It is assumed existing underground utilities will be marked accurately in order not to disturb during excavation.

### Safety

- a. MBS to provide a safety barrier around all trenches and construction sites.
- b. Safety barrier will include the use of a set of layered cones, delineators, and safety barriers. Cones will be used on the outside of the gas line trench with delineators inside of these cones running the length of the trench. Caution tape will be strung on delineators down the length of the trench.
- c. Plywood will be used to cover open trenches daily. Any open trenches that are not being worked on will be covered with plywood and have safety barriers on each side of the plywood.
- d. Traffic will be blocked from entering areas where open gas trench crosses road.
- e. Equipment Required: Safety Delineators, Caution Tape, Safety Cones, Safety Barriers and Plywood

#### Demolition

- a. MBS to provide excavation services for new gas line trench.
- b. Trench depth to be 34" and cover the approximately 635 LF of new underground gas pipeline.
- c. MBS is proposing new gas line to follow path as detailed below on Page 3.
- d. Demolition includes the removal of asphalt along the route of the new gas pipeline. This includes approximately 180 square feet of asphalt removal and disposal.
- e. Excavation estimated to be completed in a total of (4) working days. Asphalt and concrete removal to be completed in (1.5) working days.
- f. Equipment Required: Concrete/Asphalt Saw, Mini Excavator (10,000-11,499 lbs), Skid Steer Loader (1700-1899 lbs), 10-14 Yard Dump Truck, Digging Tools, Hand Tools, MBS F-550 & F-350 Series Utility Trucks, 90 lbs. pneumatic Jack Hammer and asphalt/concrete cutter tools, 185 CFM 49 HP Air Compressor, Trailblazer 325 Welder/Generator.



### **Seismic Shut-Off Valve Installation**

- a. MBS to furnish and install 2" Flanged Seismic Shut-Off Valve, downstream of PG&E Gas Meter. Complete with (2) Cut and welds, (2) 150lb flange kits, and (2) gasket and bolt kits.
- b. PG&E Certified Pipe Welders
- c. Design outlet side of the gas system to allow for the installation of a Seismic Valve.
- d. Insure work does not interfere with Gas Utility Meter.
- e. Pipe Cutting, pipe welding, pipe threading and bolting flange kits to gas system.
- f. Inspect all components of meter set for gas leaks.
- g. Equipment Required: MBS F-550 Series Utility Truck, Hand Tools, Trailblazer 325 Welder/Generator, Welding Tools
- h. Seismic shut-off valve installation estimated to be completed in 0.25 working days.

### Underground Pipe Installation – Temporary Gas Line to Existing Facility (1.25")

- a. MBS to furnish and install approximately 470 LF of new, underground MDPE natural gas piping.
- b. Installation of (1) 1.25" Plug Valve (manual shut-off valve), including all 1.25" mechanical, galvanized fittings to tie into utility gas meter set.
- c. Installation (1) 1.25" Anodeless Poly to Steel transition riser using (1) electrofusion weld.
- d. Installation of 315 LF of 1.25" underground MDPE gas piping for first mobilization, complete with (2) electrofusion welds.
- e. Installation of remaining 155 LF of 1.25" underground MDPE gas piping complete with (2) electrofusion welds.
- f. Installation of (1) Anodeless Poly to Steel transition riser using (1) electrofusion weld.
- g. Installation of (1) 1.25" Plug Valve (manual shut-off valve), attached to transition riser. Includes all 1.25" mechanical fittings needed to make connection.
- h. Connection to existing gas regulator at existing facility. All mechanical, galvanized fittings required to make connection (includes bell reducers to match 1.5" regulator size).
- i. All MDPE electrofusion welds performed by PG&E PGE21-08 certified pipe welders to utility procedures.
- j. Tracer wire to be furnished and installed on all new gas lines.
- k. New 1.25" gas line and all components to be completed in a total of (2) working days.
- g. Equipment Required: MBS F-350 series and F-550 series Utility Truck, IntegriFuse Electrofusion Processor, Hand Tools, Trailblazer 325 Welder/Generator, 185 CFM 49 HP Air Compressor

### Underground Pipe Installation – Permanent Gas Line to New Facility (2")

- a. MBS to furnish and install approximately 165 LF of new, underground MDPE natural gas piping.
- Installation of (1) 2" Plug Valve (manual shut-off valve), including all 2" mechanical, galvanized fittings to tie into utility gas meter set.
- c. Installation (1) 2" Anodeless Poly to Steel transition riser using (1) electrofusion weld.
- d. Installation of 165 LF of 2" underground MDPE gas piping for second mobilization, complete with (2) electrofusion welds.
- e. Installation of (1) Anodeless Poly to Steel transition riser using (1) electrofusion weld.
- f. Installation of (1) 2" Plug Valve (manual shut-off valve), attached to transition riser. Includes all 2" mechanical fittings needed to make connection.

- g. Connection to new building POC. All mechanical, galvanized fittings required to make connection.
- h. All MDPE electrofusion welds performed by PG&E PGE21-08 certified pipe welders to utility procedures.
- i. Tracer wire to be furnished and installed on all new gas lines.
- j. New 2" gas line and all components to be completed in a total of (2) working days.
- Equipment Required: MBS F-350 series and F-550 series Utility Truck, IntegriFuse Electrofusion Processor, Hand Tools, Trailblazer 325 Welder/Generator, 185 CFM 49 HP Air Compressor

### **Pressure and Leak Testing**

- a. Newly installed gas line to be pressure tested to 60# for 4 hours. Line will be pressurized using air compressor.
- b. During pressure test all fittings, couplings, pipeline and points of connection will be tested for leaks.
- Equipment Required: MBS F-350 series and F-550 series Utility Trucks, Hand Tools, Trailblazer 325 Welder/Generator, 185 CFM 49 HP Air Compressor, and Pressure Manifold and Gauge

#### Backfill

- a. MBS to backfill gas trench using new sand and soil.
- b. Sand to cover and fill all voids and provide cover 12" of cover above gas line.
- c. Buried Gas Line Tape (670 LF) to be installed on top of newly placed sand.
- d. Native soil to be used to fill remaining trench void. Soil will be tampered to 90% compaction.
- e. Approximately 180 square feet of new asphalt replacement to match existing.
- f. Grass replacement for all areas trenched with new grass to match existing.
- g. Remove safety barriers and plywood trench covers.
- h. Backfill estimated to be completed in a total of (4) working days.
- Equipment Required: MBS F-350 series and F-550 series Utility Trucks, 185 CFM
   49 HP Air Compressor, Hand Tools, 30 lbs. Pneumatic Backfill Tamper, Trailblazer
   325 Welder/Generator

### **ASSUMPTIONS, CLARIFICATIONS, AND EXCLUSIONS:**

- a. Drawings are excluded.
- b. Permits, fees, and bonds are excluded.
- c. Replacing corroded, rusted or damaged pipe is excluded.
- d. Work to be performed during regular working hours (7:00 A.M. to 4:00 P.M.) Overtime and night working hours are excluded and will be billed at an additional cost if necessary.
- e. Mobilization and de-mobilization charges built in to account for piping being installed in sections.
- f. The natural gas systems will be shut down and the gas appliances must be turned off.
- g. It will be each site's responsibility to relight gas appliances.
- h. MBS is not responsible for any leaks upstream or downstream of our work.
- i. MBS is not responsible for any gas appliance(s) that will not relight after shutdown.

### **APPLICABLE LAW:**

This contract shall be governed by the laws of Fresno County, The State of California, and any applicable Federal Law.

### **INSURANCE:**

A current insurance certificate for MBS will be on file with California State University, Fresno and will be listed as additional insured.

## **MBS PRODUCT AND SERVICE QUOTE:**

Service Location	San Mateo Animal Shelter	Contact	Daniel Hoff
Address	12 Airport Blvd	Title	
City/State/Zip	San Mateo, CA 94401	Number	(209) 269-6327
Access Number	(209)269-6327	Email	dhoff@f-hconst.com
	DESCRIPTION		COST
	Safety	Sub-Total	\$ 7,487.50
	Demolition – Saw-Cutting and		
	Removal of Asphalt	Sub-Total	\$ 8,973.00
	Demolition – Excavation of Gas		4 00 000 00
	Trench	Sub-Total	\$ 39,332.50
	Seismic Shut-Off Valve Installation	Sub-Total	¢ 2 207 00
	Ilistaliation	Sub-Total	\$ 2,387.00
	Underground Pipe Installation –		
	Temporary Gas Line to Existing		
	Facility (1.25")	Sub-Total	\$ 20,596.50
	, , ,		
	Underground Pipe Installation –		
	Permanent Gas Line to New		
	Facility (2")	Sub-Total	\$ 11,089.23
	Pressure and Leak Testing	Sub-Total	\$ 7,912.00
Backfill - Sand, Soil, Compaction			4
	Asphalt/Grass Replacement	Sub-Total	\$ 29,207.50
Dayment To	rms: 50% due upon 50% completion		
	ayment due within 5 days of completion.	TOTAL	\$ 126,985.23

### **AUTORIZATION:**

Please sign below that you agree to the terms of service provided in this quote.

This offer expires 30 days from date on proposal Thank you for this opportunity.



12893 Alcosta Blvd., Suite K San Ramon, CA 94583 Office: (925) 907-6224 Fax: (925) 365-1618 License: #990872

**CA Small Business Certification 2003043** 

**FMB Schematic for Roof Piping** \$84,000 total



General Contractor: F&H Construction General Contractors 1115 East Lockeford Street Lodi, CA 95240 209.931.3738 www.f-hconst.com

FME FRANK M. BOOTH, INC.

Mechanical Engineers: Frank M. Booth, Inc. Mech/Plumb Design Build 4220 Douglas Blvd. Granite Bay, CA 95746 916.784.0777 www.frankbooth.com

<u>Client:</u> COUNTY OF SAN MATEO Dept of Public Works 555 County Center - Fifth Floor Redwood City, CA 94063

Project: ANIMAL SHELTER TEMPORARY NATURAL GAS PIPING 12 Airport Blvd

650.363.4100

San Mateo, CA

<u>CFH:</u> 80.0

80.0

40.0 60.0

80.0

199.0

80.0

100.0

40.0

120.0

120.0

75.1

60.0

60.0

76.0

250.0

45.0

45.0

GAS PRESSURE 7.0" WC

251

168

80,000

80,000

40,000

60,000

95,000

199,000

80,000

100,000

120,000

120,000

60,000

250,000

45,000

82

DEVELOPED LENGTH FROM METER:

480'-0" FURTHEST FROM METER

<del>160'-0" ← furnace being removed</del>

771

DEVELOPED LENGTH 500'-0"

1,360 2,780

445'-0"

455'-0"

285'-0"

385'-0"

380'-0"

465'-0"

435'-0"

440'-0"

445'-0"

325'-0"

330'-0"

365'-0"

325'-0"

310'-0"

180'-0"

135'-0"

100'-0"

484

Project No.: FMB No. 1704

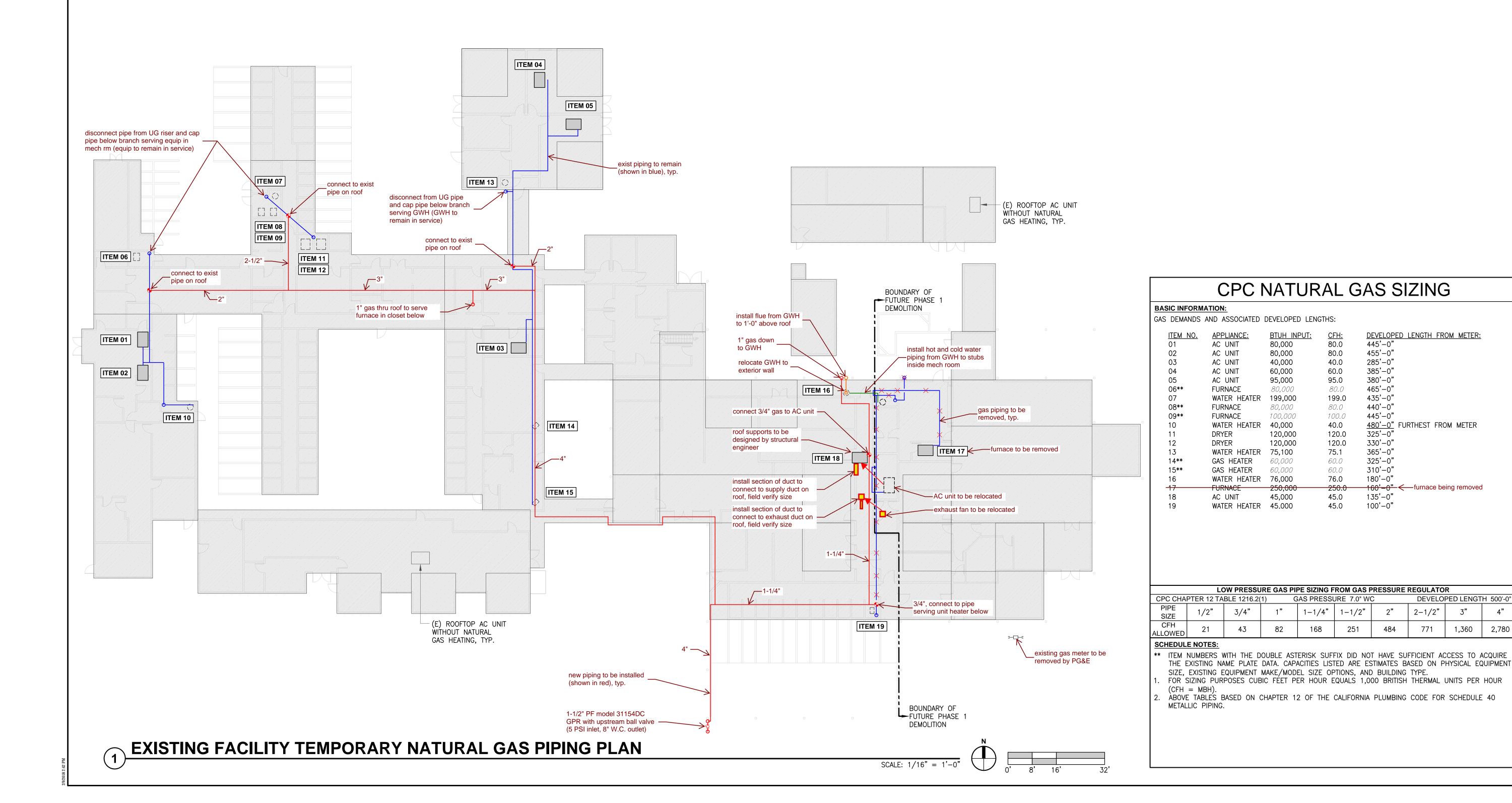
Checked By:

Drawn By:

Description

01/09/2018 FOR PLAN CHECK

TEMPORARY NATURAL GAS PIPING PLAN





### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 10

Date: 4/23/2018

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Unforeseen Condition - Storm Drain System and Dog Yard Contamination

8011 COR 8011 - Unforeseen Condition - Storm Drain System and Dog Yard Contamination

\$44,729.87

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

Assistant Director

4/16/2020

DocuSigned by:

Date

Scott Gurley

-- DocuSigned by:

Robert Hennessy

\$44,729.87

DocuSigned by:

Sam Lin —EE1B7F4B372C432...

Assistant Director

See Change Request 8011

Date

The original Contract Amount	was	\$19,699,197.00
Net change by previously auth	orized Change Orders	\$1,020,879.97
The Contract Amount prior to t	his Change Order was	\$20,720,076.97
The Contract will be increased	\$44,729.87	
The new Contract Amount incl	uding this Change Order will be	\$20,764,806.84
The Contract Time will be unch	nanged.	
	etion as of the date of this Change Order therefore is	3
LDA PARTNERS	FH CONSTRUCTION	
ARCHITECT	CONTRACTOR	OWNER
	PO BOX 2329	
	LODI, CA 95241	
	Dariel Hoff	See Change Request 8011
(Signature)	(Signature)	(Signature)
	Daniel Hoff	See Change Request 8011
Ву	By	Ву



### Change Request

To: Robert Hennessy

Jacobs

Number: 8011 Date: 2/16/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: COR 8011 - Unforeseen Condition - Storm Drain System and Dog Yard Contamination

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the extra work performed investigating the underground Storm Drain piping system due to the unforeseen condition of the pipe from the Catch Basin being collapsed. All existing Storm Drain lines to remain and be part of the final SD system were requested to be investigated. Also included are the foreseen delay and associated costs up until the resubmittal of the storm drain plans on 2.7.2018 and the Dog Yard Animal Waste Contamination delaying the resubmittal of package I till 3.27.2018. This delay impacted the Critical Path of the Schedule 88 days. See attached timelines for details.

If there are subsequent plan review comments these delays and costs may change. Subtronic Storm Drain System Inspection with report and videos of onsite piping was delivered electronically and in physical copies

See attached signed estimate and invoice for full backup

Also included is the estimate to perform the work required to bring the 12" and 24" storm drain pipes which were discovered to be collapsed during Subtronic Corps SD investigation.

Cost Code Description			Material	Equipment	Subcontract	Other	Price
02-0999	Storm Drain Investigation				\$2,875.00		\$2,875.00
02-0999	Replace Damaged Pipe (12" and 24")					\$34,229.06	\$34,229.06 <b>∨</b>
02-0999	LDA Partners				\$5,750.00		\$5,750.00
02-0999	Delay (88 Days - see spreadsheeet ) Contingency		SEE	NOTE	<u>(1)</u> —	<del>\$304,182.0</del> 0	\$304,182.00
01-0950	Delay (88 Days - see spreadsheeet ) Contingency					\$ <del>(304,182.00)</del>	\$(304,182.00)
						Subtotal:	\$42,854.06
			Markup - Subco	ntractor (5%)	\$5,750.00	5.00 %	\$287.50
			Markup -	Direct (15%)	\$2,875.00	15.00 %	\$431.25
				BIT	\$42,854.06	2.70 %	\$1,157.06
					1	Total:	\$44,729.87
		APP	roved	TOTAL:	\$ 44,72	9.87	= 11 1
		Adliente-Schrichtenson	***************************************				

APPROVED: 4-16-18

ROBERT D. HENNESSY P.E.

NOTE: Joan

SUBMIT SÉPARATELY



## Change Request

To: Robert Hennessy Jacobs Number: 8011 Date: 2/16/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

If you have any questions, please conta	act me at .	
Submitted by:	Approved by:	



California Main Office:

1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Request

To: Robert Hennessy

Jacobs

Number: 8011 Date: 2/16/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: COR 8011 - Unforeseen Condition - Storm Drain System and Dog Yard Contamination

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the extra work performed investigating the underground Storm Drain piping system due to the unforeseen condition of the pipe from the Catch Basin being collapsed. All existing Storm Drain lines to remain and be part of the final SD system were requested to be investigated. Also included are the foreseen delay and associated costs up until the resubmittal of the storm drain plans on 2.7.2018 and the Dog Yard Animal Waste Contamination delaying the resubmittal of package I till 3.27.2018. This delay impacted the Critical Path of the Schedule 88 days. See attached timelines for details.

If there are subsequent plan review comments these delays and costs may change. Subtronic Storm Drain System Inspection with report and videos of onsite piping was delivered electronically and in physical copies

See attached signed estimate and invoice for full backup

Also included is the estimate to perform the work required to bring the 12" and 24" storm drain pipes which were discovered to be collapsed during Subtronic Corps SD investigation.

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02-0999	Replace Damaged Pipe (12" and 24")					\$34,229.06	\$34,229.06
02-0999	LDA Partners				\$5,750.00		\$5,750.00
02-0999	Delay (88 Days - see spreadsheeet ) Contingency					\$304,182.00	\$304,182.00
01-0950	Delay (88 Days - see spreadsheeet ) Contingency				;	\$(304,182.00)	\$(304,182.00)
						Subtotal:	\$42,854.06
			Markup - Subco	ntractor (5%)	\$5,750.00	5.00 %	\$287.50
			Markup -	Direct (15%)	\$2,875.00	15.00 %	\$431.25
				BIT	\$42,854.06	2.70 %	\$1,157.06
						Total:	\$44,729.87

DocuSign Envelope ID: 8922A02C-1F89-4658-B67A-BC5F07A57DAD



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Request

**To:** Robert Hennessy Jacobs

Number: 8011 Date: 2/16/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

If you have any questions, please contact me at .	
Submitted by:	Approved by:
	Approved by:



### Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 4

Date: 4/23/2018

Subcontract: 5466.03 DB

To Contractor:

LDA PARTNERS 222 CENTRAL COURT

STOCKTON, CA 95204

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

### The Contract is changed as follows:

SD System and Dog Yard Contamination

Provide 100 Year Storm Study

	Cost		Change		
Extra	Code	Cat	Request	Description	Amount
	02-0999	S	8011	LDA Partners	\$5.750.00

The original Contract Amount was	\$885,000.00
Net change by previously authorized Change Orders	\$61,933.00
The Contract Amount prior to this Change Order was	\$946,933.00
The Contract will be increased by this Change Order in the amount of	\$5,750.00
The new Contract Amount including this Change Order will be	\$952,683.00

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)			
Daniel	Hoff		
Ву			

Date

### Commitment CO Entry by Change Order

FH CONSTRUCTION Date: 4/23/2018

Commitment Vendor Cost Reference

Commitment Vendor Extra Code Cat Number Description Amount

ANIMAL SHELTER REPLACEMENT (10-16-5466)

Change Order Number: 10 Unforeseen Condition - Storm Drain System and Dog Yard Co

Change Request No. 8011 Internal: No

Scope:

This COR covers the extra work performed investigating the underground Storm Drain piping system due to the unforeseen condition of the pipe from the Catch Basin being collapsed. All existing Storm Drain lines to remain and be part of the final SD system were requested to be investigated. Also included are the foreseen delay and associated costs up until the resubmittal of the storm drain plans on 2.7.2018 and the Dog Yard Animal Waste Contamination delaying the resubmittal of package I till 3.2 7.2018. This delay impacted the Critical Path of the Schedule 88 days. See attached timelines for details.

If there are subsequent plan review comments these delays and costs may change.

Subtronic Storm Drain System Inspection with report and videos of onsite piping was delivered electronically and in physical copies.

See attached signed estimate and invoice for full backup

Also included is the estimate to perform the work required to bring the 12" and 24" storm drain pipes which were discovered to be collapsed during Subtronic Corps SD investigation.

5466.03 DB 57695 LDA PARTNERS 02-0999 S LDA Partners 5.750,00

Change Order 10 total 5,750.00



DESIGNERS & ARCHITECTS

15 April 2018

Mr. Daniel Hoff Project Manager F&H Construction 1115 East Lockeford Street Lodi, CA 95240

Re: San Mateo Animal Shelter – Storm Water Study

Dear Daniel:

Listed below are additional services related to the Storm Water Drainage study as requested by the County, for the San Mateo Animal Shelter.

Change Summary		LDA Partners								
Project:	9	San Mateo Animal Shelter								
Reference:	St	StormWater Drainage Study								
Name		Rate	Hours	Cos	t					
LDA				,						
Eric Wohle	Prinicpal	\$ 200.00	1	\$	200.00	/				
Carolyn Natividad	Project Architect	\$ 175.00	3	\$	525.00	/				
Ramiro Rivas	Drafting	\$ 135.00	0	\$	-					
				\$	725.00	/				
O'Dell Enq.										
Lump Sum				\$	5,025.00	<u> </u>				
Total				\$	5,750.00	_				

If you have any questions, please let me know.

Cordially,

Eric W. Wohle, A.I.A., LEED ap

Partner

### **GENERAL COST ESTIMATE**

SAN MATEO COUNTY ANIMAL SHELTER REPLACEMENT ESTIMATE NO.: SAN MATEO , CA ESTIMATOR:

PROJECT: SAN MARCHITECT: LDA 1 B.CORBETT 23-Feb-18 DATE:

WORK: DAMAGED STORM DRAIN REPLACEMENT ESTIMATE

LABOR RATE	\$79.00	CARPENTER
	\$87.36	OPRG ENG

NO.	ITEM	DESCRIPTION	QUANTITY	UNIT	MATER. UNIT COST	EQUIP. UNIT COST	LABOR UNIT COST	LBR PRO. /HOUR	MATERIAL COST	EQUIP. COST	OWN/OP COST	LABOR HRS	LABOR COST	TOTAL COST	LABOR UNIT COST	TOTAL UNIT COS
		Replace Collapsed SD Pipe						VIII 7								
1		12" SDR 35 Storm Drain (V ditch to Catch Basin)	60.00	LF	20.00				1,200.00	0.00	0.00	0.00	0.00	1,200.00	0.00	20.0
2		24" SDR 35 Storm Drain (Catch Basin to Creek)	110.00	EA	65.00				7,150.00	0.00	0.00	0.00	0.00	7,150.00	0.00	65.0
3		Connect to Existing Concrete Catch Basin	1.00	EA	1,200.00				1,200,00	0.00	0.00	0.00	0.00	1,200.00		
4		Inspection and Testing	1.00	EA			400.00		0.00	0.00		0.00	0.00	400.00		
5		Surveying and As-Builts	1.00	EA			1,000.00		0.00	0.00	1,000.00	0.00	0.00	1,000.00		
6		Bedding Sand	1.00	EA	1,300.00				1,300.00	0.00		0.00	0.00	1,300.00		
7		SWPPP and Dewatering	1.00	EA	800.00	900.00			800.00	900.00		0.00	0.00	1,700.00		1,700.00
									0.00	0.00		0.00	0.00	0.00		
							2		0.00	0.00		0.00	0.00	0.00		
									0.00	0.00		0.00	0.00	0.00		
									0.00	0.00	0.00	0.00	0.00	0.00		
									0.00	0.00		0.00	0.00	0.00		
									0.00	0.00	0.00	0.00	0.00	0.00		
		MISC. ITEMS														
8		OPERATOR FOREMAN (Roger)	40.00				87.36		0.00	0.00		40.00	3,494.40	3,494.40		
9		LABORER JM	80.00				79.00		0.00	0.00		80.00	6,320.00	6,320.00		
10		Excavator, Bob Cat ect.	5.00	Days		1,200.00			0.00	6,000.00	0.00	0.00	0.00	6,000.00	0.00	1,200.00
									11,650	6,900	1,400	120 S	9 814 40	\$ 29,764.40		

15% MARKUP \$ 4,464.66 TOTAL \$ 34,229.06

# Subtronic Corporation 5031 Blum Rd, #2

Estimate #

26399

**Estimate** 

Date of Estimate

2/1/2018

### ALSO LOCATED IN GARDEN GROVE CA

BILL TO:

Attn: Tim Obrien

F & H Construction 1115 E Lockeford Street Lodi, CA 95240 (209)327-9222

Martinez, CA 94553

**ESTIMATE TO:** 

P.O. #:

SURVEYOR JOB DATE DAY TIME TERMS

MV

Credit Cas

MV		Credit Card	
DESCRIPTION	QTY	COST	TOTAL
Color TV Inspection, 1st hour on site Color TV Inspection, subsequent hours COMPENSATION: For work performed as described above including equipment, personnel and travel costs (port	1 7	1,050.00 350.00	1,050.00 2,450.00
to port) for the sum of: DVD and Report Generation	1	250.00	250.00

This estimate is good for 60 days.

Insurance Coverage:

General Liability: \$2,000,000 per occurrence

\$ 4,000,000 aggregate

Excess/Umbrella Liability: \$5,000,000

Worker's Comp: \$1,000,000 Employer's Liability Professional Liability: \$1,000,000 per claim

\$2,000,000 anni aggr.

Automobile:\$1,000,000 Combined Single Limit

Signature

This quotation is subject to our Specification and Standard Conditions of Contract

CA License # 940232

Page 3

2-2-16 ussej

## Subtronic Corporation

5031 Blum Rd, #2 Martinez, CA 94553

Bill To:

F & H Construction 1115 E Lockeford Street

Lodi, CA 95240 (209)327-9222 Attn: Tim Obrien Invoice # 26345

Date

2/16/2018

Project

26399 - San Mateo

Surveyor

RR&LT

Terms

Credit Card

Due Date 2/16/2018

PO/JOB...

Date	Description	Unit	Rate	Amount
2/8/2018	PROJECT LOCATION: Peninsula Animal Shelter - 12 Airport Blvd., San Mateo, CA  AREA OF INSPECTION: The area of inspection is defined by information and drawings received January 30, 2018 regarding CCTV inspection of approximately 1200 LF of various diameter storm drain pipes.  COMPENSATION: For work performed as described above including equipment, personnel and travel costs for the sum of: Color TV Inspection, 1st hour on site Color TV Inspection, subsequent hours DVD and Report Generation  DVD and Report sent to Tim O'Brien 2/16/2018	1 4.5 1	1,050.00 350.00 250.00	1,050.00 1,575.00 250.00
WF T	HANK YOU FOR USING OUR SERVICES	Total	ce Due	\$2,875.00 \$2,875.00

Tax ID Code 77-0020672

A late fee of 10% per year will apply if payment is not received within 30 days.

F&H Confidential 4/10/2018 Page 1



SCOPE: STORM DRAIN SYSTEM AND DOG YARD CONTAMINATION SAN MATEO COUNTY ANIMAL SHELTER

SPEC. No.	DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
01000	DIVISION 1 - GENERAL CONDITIONS					
	SCHEDULE					
	CRITICAL PATH DELAY	88	DAYS			
	F&H DESIGN EXTENDED OVERHEAD	88	DAYS	\$2,936.80	258,438.40	
	TESTING				BY OWNER	
	SUB - TOTAL OF ALL ABOVE				258,438.40	
	BUILDERS RISK INSURANCE					
	LIABILITY INSURANCE			BIT = 2.7%	6,977.84	
	PAYMENT & PERFORMANCE BOND					
	MARKUP - SUBCONTRACTOR (10%)	0.00				
	MARKUP - DIRECT COST (15%)	38,765.76				
	TOTAL	304,182.00				

## ANIMAL SHELTER COUNTY OF SAN MATEO

1 Month Duration 1.00

GENERAL REQS. & CONDITIONS			MATL.	LABOR	MATERIAL	LABOR	BID
DESCRIPTION	QTY.	UNIT	U. PRICE	U. PRICE	TOTAL	TOTAL	TOTAL
MISC. ITEMS							
LAYOUT - FOREMAN ON SITE	24.0	HR	4.00	72.50	96	1,740	1,836
TEMPORARY FENCE - RENT AFTER 12 MO	1,400.0	LF	0.25	0.00	350	0	350
OFFICE EQUIPMENT & SUPPLIES - MO	1.0	МО	375.00	0.00	375	0	375
DRINKING WATER	1.0	МО	120.00	0.00	120	0	120
SAFETY SUPPLIES	1.0	МО	210.00	0.00	210	0	210
TRAILER MONTHLY	1.0	MO	621.00	0.00	621	0	621
STORAGE SHED (2 EACH)	2.0	EA	102.00	0.00	204	0	204
TEMP UTILITIES							
POWER - TIE-IN TO EXISTING							
CORDS & DISTRIBUTION - 30 MIN. / DAY	1.0	МО	100.00	787.50	100	788	888
MONTHLY	1.0	МО	702.00	0.00	702	0	702
TEMP HEAT & AIR CONTROL IN BUILDING	1.0	MO	1,000.00	787.50	1,000	788	1,788
WATER	1.0		-,	. 3 , .2 0	1,000	, 50	1,730
HOSE & DISTRIBUTION	1.0	LS	50.00	300.00	50	300	350
SECURITY CAMERA - START				2			
SECURITY CAMERA - MONTHLY	1.0	MO	650.00	0.00	650	0	650
TELEPHONE							
MONTHLY	1.0	MO	250.00	0.00	250	0	250
MONTHLY CELL PHONE (PM, SUPER, PE)	3.0	MO	118.00	0.00	354	0	354
PAPER WORK ITEMS			,		,	,	
CPM SCHEDULING							
MONTHLY UPDATES - 16 HRS / MO	1.0	EA	2,400.00	0.00	2,400	0	2,400
AS-BUILTS PRINTING COSTS	1.0	LS	75.00	0.00	75	0	75
OWNERS ITEMS							
TRIPLE WIDE TRAILER FOR PUBLIC USAGE							
RAMPS AND TEMP ACCESS @ PUBLIC AREA	1.0	MO	105.00	0.00	105	0	105
TRAILER MONTHLY - DOUBLE WIDE	1.0	MO	1,257.00	0.00	1,257	0	1,257
SEPTIC ABOVE GROUND AT TRAILER							
HOLDING TANK RENTAL	1.0	EA	59.40	0.00	59	0	59
PUMP OUT TANKS	1.0	EA	162.00	0.00	162	0	162
PORTABLE TOILET							
PORTABLE TOILET W/ SINK - 2	2.0	EA	108.60	0.00	217	0	217
DUAL HANDWASH STATIONS	1.0	EA	65.40	0.00	65	0	65
PUMP OUT AND SERVICE TOILETS	6.0	EA	43.20	0.00	259	0	259
OWNER EQUIP - STORAGE SHED (IN & OUT COST)	2.0	EA	102.00	0.00	204	0	204
MISC. ITEMS							
PORTABLE TOILETS							
PORTABLE TOILET W/ SINK	3.0	EA	102.60	0.00	308	0	308
DUAL HANDWASH STATIONS	1.0	EA	59.40	0.00	59	0	59
PUMP OUT AND SERVICE TOILETS	12.0	EA	37.80	0.00	454	0	454
BLUEPRINTING	1.0	МО	35.00	0.00	35	0	35
ROAD AREA & MAINTENANCE / SITE CLEANING	1.0	МО	150.00	576.00	150	576	726
SMALL TOOL PURCHASE & RENT	1.0	МО	350.00	0.00	350	0	350
SHIPPING / MAIL	1.0	МО	120.00	0.00	120	0	120
PROGRESS CLEANING - 1 HRS / DAY	1.0	МО	100.00	1,512.00	100	1,512	1,612

DUMPSTERS / RECYCLING / LEED	1.0	EA	825.00	0.00	825	0	825
YARD SERVICE	1.0	EA	275.00	0.00	275	0	275
			•	SUBTOTAL	12,562	5,703	18,265
SUPERVISION							
PROJECT MANAGER	1.0	MO	0.00	16,608.00	0	16,608	16,608
FIELD - SUPERINTENDENT	1.0	MO	0.00	15,916.00	0	15,916	15,916
FIELD - SITE FOREMAN 80 HRS/MO	1.0	MO	0.00	15,397.00	0	15,397	15,397
PROJECT ENGINEER	1.0	MO	0.00	8,650.00	0	8,650	8,650
				SUBTOTAL	0	56,571	56,571
VEHICLE ALLOWANCE							
PROJECT MANAGER	1.0	MO	600.00	0.00	600	0	600
FIELD - SUPERINTENDENT	1.0	MO	750.00	0.00	750	0	750
FIELD - ASSIST 50% OF TIME	1.0	MO	375.00	0.00	375	0	375
PROJECT ENGINEER	1.0	МО	450.00	0.00	450	0	450
				SUBTOTAL	2,175	0	2,175
SUBSISTENCE / TRAVEL			·				
PROJECT MANAGER	1.0	MO	0.00	770.00	0	770	770
FIELD - SUPERINTENDENT	1.0	MO	0.00	725.00	0	725	725
				SUBTOTAL	0	1,495	1,495
HOUSING							
HOUSING - SHARED PM & SUPERINTENDENT	1.0	MO	3,500.00	0.00	3,500	0	3,500
BRIDGE TOLLS - 4 PER WEEK	12.0	EA	5.00	0.00	60	0	60
FAST PASS BYPASS - 4 PER WEEK	12.0	EA	3.50	0.00	42	0	42
	,			SUBTOTAL	3,602	0	3,602
EQUIPMENT RENTAL							
FORKLIFT - BOOM TYPE	1.0	МО	2,420.00	0.00	2,420	0	2,420
MISCELLANEAOUS	1.0	MO	300.00	0.00	300	0	300
				SUBTOTAL	2,720	0	2,720
FUEL / OIL / MAINTENANCE							
PROJECT MANAGER	1.0	MO	925.00	0.00	925	0	925
SUPERINTENDENT	1.0	МО	901.00	0.00	901	0	901
PROJECT ENGINEER	1.0	MO	400.00	0.00	400	0	400
FORKLIFT	1.0	МО	500.00	0.00	500	0	500
MISC. EQUIPMENT	1.0	МО	300.00	0.00	300	0	300
MAINTENANCE	2.0	EA	125.00	0.00	250	0	250
				SUBTOTAL	3,276	0	3,276
				TTL ABOVE	24,335	63,769	88,104
				DAILY	OVERHEAD C	OSTS	2,936.8

**DATE:** April 4, 2018

**TO:** DANIEL HOFF

CC: STEPHEN SEIBLY

**FROM:** JAMES KELLY

**REFERENCE:** SAN MATEO ANIMAL SHELTER

**SUBJECT:** TIME IMPACT ANALYSIS #004

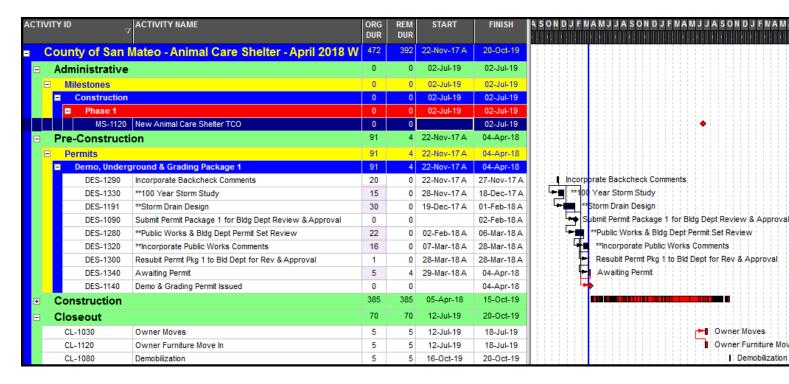
**CPM SCHEDULE:** The **Contract Completion Date is 7/26/19**. However, the project is forecasting a **current Project Completion Date of 10/20/19**.

**TIA #004 Summary:** References the full impact of the Storm Drain Design and Building Department / Public Works reviews and comments delaying the Demo permit and Start of Construction.

During the 100% CD Drawing review, a 100-year Storm Study was requested by the Department of Public Works (DPW) on 12/1/2017, which is beyond the scope of contract. Upon completion on 12/19/2017, the Storm Drain Detention system was determined to need an increase in volume of ~350% to accommodate the DPW comments and required resubmitting. After 2 conference calls with DPW, on 1/12/2018 and 1/30/2018, the storm detention calculations were reperformed with a different method. Originally submitted storage capacity provided by Design Build Entity (DBE) was agreed to be adequate by DPW plan check reviewers. The new agreed upon calculation method and original detention pond size were incorporated into the plans and resubmitted on 2/7/2018. See "SMAS – Storm Water Detention, Design Delay" timeline.

On 2/22/2018, plan check comments were received regarding a concern of dog feces and urine entering the storm drain system adjacent to the new dog yards. By 2/23/2018, potential solutions were provided to DPW by DBE. On 2/26/2018, an additional 700 CF detention basin was proposed by DPW and accepted on 3/7/2018. On 3/15/2018 the required maintenance agreement from the county was received releasing the plans to be assembled, printed and were resubmitted on 3/28/2018, bringing this issue to a close. Demo & Grading Permit is anticipated on 4/4/18. See "SMAS – Dog Yard Contamination, Design Delay" timeline.

This process resulted in an 88 calendar day impact the schedule. See snapshot below:



Please confirm the acceptance of this work and 88 calendar days will be added to the overall project duration and will be addressed in the next schedule update and narrative. This will extend the Project Completion Date from 7/26/19 to a new Project Completion Date of 10/20/19.

End-

### SMAS - STORM WATER DETENTION, DESIGN DELAY **TIMELINE** PLANS RESUBMITTED FOR PERMIT INITIAL CONFERENCE CALL - DPW TO CONDUCT THEIR OWN ASSESSMENT, BASED ON 100-YEAR STUDY PDU NOTIFIED OF UNFORESEEN 2ND CONFERENCE CALL - INITIAL CONDITION / EXTRA WORK ASSOCIATED WITH PLAN CHECK MISUNDERSTANDING BY B&P DEPART, CONCLUDED WITH A NEW 11.20.2017 PLAN CHECK COMMENTS PARTLY CLARIFIED COMMENTS METHOD OF CALCULATING THE DETENTION REQUIREMENTS 27 Nov 12 Dec 27 Dec 11 Jan 26 Jan REQUEST 100 YEAR STORM STUDY EXEPEDITED CIVIL PLANS RECEIVED, COMMENTS ADDRESSED, NO CHANGE IN SIZE OF THE DETENTION BASINS. ISSUE CONCLUDED

DATE	MILESTONE	NOTES
11/27/2017	11.20.2017 Plan Check Comments Partly Clarified	
12/1/2017	Request 100 Year Storm Study	EXPEDITED
12/19/2017	PDU Notified of Unforeseen Condition / Extra work associated with plan check comments	~350% INCREASE IN VOLUME OF DETETNION PONDS REQUESTED
1/12/2018	Initial Conference Call - DPW to conduct their own assessment, based on 100-Year Study	
1/30/2018	2nd Conference Call - Initial misunderstanding by B&P Depart, concluded with a new method of calculating the detention requirements	NO CHANGE IN SIZE OF PONDS NEEDED
2/2/2018	Exepedited Civil plans received, comments addressed, no change in size of the Detention Basins. Issue concluded	EXPEDITED
2/7/2018	Plans resubmitted for permit	

#### SMAS - DOG YARD CONTAMINATION, DESIGN DELAY **TIMELINE** RECEIVED PLAN CHECK DPW AND LDA PHONE CALL TENTATIVELY CONFIRMS 2.26.2018 SUGGESTED DETENTION BASIN COMMENT FROM ALAN VELASQUEZ REGARDING ANIMAL FECES POSSIBLY ENTERING STORM DRAIN SYSTEM DESIGN IS OK IMPORTING AND PACKAGE 1 PLANS PRINTED FOR IMPLEMENTING CHANGES INTO PLANS RESUBMITTAL ADDITIONAL DETENTION BASIN OF 700 CF PROPOSED TO DPW TO "TREAT" THE STORM WATER FLOW OFF THE DOG YARD BEFORE ENTERING THE SD DIANA SHU CONFIRMS VIA EMAIL. THE PROPOSED DESIGN WILL BE ACCEPTABLE SYSTEM 22 Feb 1 Mar 8 Mar 15 Mar 22 Mar MULTIPLE CLARIFICATIONS AND MULTIFIZE CLARIFICATIONS AND SUGGESTIONS TO DPW STILL RESULTED IN THE REQUEST FOR THE DESIGN OF "ADDITIONAL MEASURES" TO ENSURE FECES DOES NOT CONTAMINATE STORM DRAIN SYSTEM COUNTY LETTER VERIFYING MAINTENANCE AGREEMENT PLANS COMPLETED AND REVIEWED RECEIVED PACKAGE 1 PLANS RESUBMITTED

DATE	MILESTONE	DETAIL
2/22/2018	Received plan check comment from Alan Velasquez regarding animal feces possibly entering storm drain system	
2/23/2018	Multiple clarifications and suggestions to DPW still resulted in the request for the design of "additional measures" to ensure feces does not contaminate storm drain system	
2/26/2018	Additional detention basin of 700 CF proposed to DPW to "treat" the storm water flow off the dog yard before entering the SD system	
3/6/2018	Diana Shu confirms via Email, the proposed design will be acceptable	
3/7/2018	DPW and LDA phone call tentatively confirms 2.26.2018 suggested detention basin design is OK	
3/15/2018	County Letter verifying Maintenance agreement received	
3/16/2018	Importing and implementing changes into plans	
3/23/2018	Plans completed and reviewed	
3/26/2018	Package 1 Plans printed for resubmittal	
3/28/2018	Package 1 Plans resubmitted	

## Storm Water Detention System Narrative

Below is a time line capturing the Storm Water Detention issue. The review of the submitted plans took much longer than allocated in the approved schedule and took 2 conference calls to get Building and Planning Department to clearly state what they needed from the design/construction team. Ultimately, the design calculation changed slightly to satisfy Building and Planning (Rational method in lieu of 80% capture), but the design of the ponds did not change. This extended review and rereview has pushed the critical path of the project 22 days. Subtronic Corp was dispatched per the PDU direction to verify existing utilities which will become part of the final storm water system.

- 10.10.2017: Submitted to Building and Planning Department (See attached Transmittal)
- 11.10.2017: Received Comments back from Alan Velasquez. (See attached Email)
- 12.1.2017: After much correspondence to understand what the plan check comments were asking for, 100-year storm study was procured through O'Dell Engineering (See attached Email)
- 12.19.2017: Notification Sent to Bob Hennessey regarding findings of 100-year storm study and the increase in storage volume required (~350%) (See attached Email)
- 1.12.2018: Go-To Meeting with Diana Shu and Alan Velasquez (See attached Meeting)
- 1.30.2018: After much correspondence to clarify B&P Department's misunderstanding, a Go-To Meeting was held, and the conclusion determined by B&P Department was for the design team to use the Rational Method in lieu of the 80% capture method. (See attached Go-To Meeting and Email)
- 2.2.2018: F&H received expedited plan revisions from O'Dell Engineering, incorporating the plan check comments from DPW, the size of the Detention Basins did NOT require any changes to comply with requirements
- 2.7.2018: Plans Resubmitted for Permit (See attached Transmittal)
- 2.8.2018: Subtronic Corp onsite to verify existing utilities condition of storm drain pipes to remain in service. (see attached COR 8011)
- 2.12.2018: Plans were updated with a higher quality print for clarity

Current Status: Awaiting Final Plan Review Comments/PERMIT



# County of San Mateo

# Planning & Building Department

455 County Center, 2nd Floor Redwood City, California 94063 650/363-4161 Fax: 650/363-4849 Mall Drop PLN122 plngbldg@smcgov.org www.co.sanmateo.ca.us/planning

#### APPLICATION FOR PERMIT

PERMIT NUMBER: BLD2017-02206

OHE MODINESS.	SITE	ADDRESS:
---------------	------	----------

PROJECT NAME:

COMMERCIAL

ASSESSOR'S PARCEL NUMBER:

00000CYPT

#### APPLICANT INFORMATION

F & H CONSTRUCTION

P O BOX 2329

LODI, CA 95205-0000

Phone #1: 2099313738

Phone #2:

#### CONTRACTOR INFORMATION

F & H CONSTRUCTION

P O BOX 2329 LODI, CA 95205

LIC#: 293306

Phone #1: 2099313738

Phone #2:

WC Policy #: DTJUB9H57279 WC Expires: 01/01/2018

#### **ARCHITECT INFORMATION**

Phone #1:

Phone #2:

ENGINE	ER INF	FORM/	<u> 10lt</u>

Phone #1:

Phone #2:

#### PROJECT DESCRIPTION:

New San Mateo Animal Shelter, 40,980sf. New facility, storage, barn, expanded parking area, and two new detention basins.

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all applicable ordinances and state laws regulating building construction.

AGENT FOR:

F+H Construction

SIGNED:

Dariel Hoff

DATE:

10/10/17

Routed To:

( ) Planning Dept.

( ) Public Works Dept.

( ) GeoTech.

( ) Fire Dept.

( ) Health Dept.

( ) School Impact Fee.

( ) County Sewer District

( ) Building

() Other

**Daniel Hoff** From: Sent: Friday, November 10, 2017 1:54 PM To: Eric Wohle; Carolyn Natividad; Ramiro Rivas Cc: Brendan Corbett; Tim O'Brien; Stephen Seibly FW: 12 Airport Blvd Animal Shelter Replacement BLD2017-02206 **Subject:** Pln.Chk.1.pdf; Drainage Report 2-yr study 12 Airport 11-10-17.pdf; Image\_20171110\_ **Attachments:** 0001.pdf; Image\_20171110\_0002.pdf; Image\_20171110\_0003.pdf; Image\_20171110\_ 0004.pdf; Image 20171110 0005.pdf; San Mateo County Drainage Review Guidelines.pdf; San Mateo County IDF.pdf **Categories:** San Mateo I guess the comments don't come back in one set... Please review. Thanks, Daniel From: Alan Velasquez [mailto:avelasquez@smcgov.org] Sent: Friday, November 10, 2017 1:49 PM To: Daniel Hoff <dhoff@f-hconst.com> Subject: 12 Airport Blvd Animal Shelter Replacement BLD2017-02206 Hello, See attached Public Works stormwater comments being returned as Revise and Resubmit for 12 Airport Blvd Animal Shelter Replacement project. I am available through scheduled appointment if you wish to discuss these comments further. Thank you, Alan Velasquez, P.E. **Associate Civil Engineer** 

Alan Velasquez, P.E. Associate Civil Engineer San Mateo County Public Works Road Services Division (650) 599-7274

Please provide us with your feedback at: https://www.surveymonkey.com/s/DPWTraffic

From: Daniel Hoff

Sent: Friday, December 01, 2017 8:23 AM

**To:** Mike Persak; Eric Wohle

Carolyn Natividad; Eric Villalobos; Tim O'Brien; Brendan Corbett; Stephen Seibly

Subject: RE: Animal Shelter - Building Department Plan Check Comments - BLD2017-02206

Categories: San Mateo

Mike,

This is authorization to proceed with the report to meet the building department's requirements for \$5,000, could you expediate it and have it done in week? I am going to provide a CR to the County.

Thanks,

#### Daniel Hoff / LEED AP BD+C

(209) 931-3738 PHONE

(209) 269-6327 MOBILE

(209) 931-4427 FAX

dhoff@f-hconst.com

1115 East Lockeford Street, Lodi, CA 95240

#### WWW.F-HCONST.COM



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From: Mike Persak [mailto:mpersak@odellengineering.com]

**Sent:** Thursday, November 30, 2017 4:32 PM **To:** Eric Wohle <EWohle@ldapartners.com>

Cc: Daniel Hoff <dhoff@f-hconst.com>; Carolyn Natividad <CNatividad@ldapartners.com>; Eric Villalobos

<evillalobos@odellengineering.com>

Subject: RE: Animal Shelter - Building Department Plan Check Comments - BLD2017-02206

Eric,

Here is the memo regarding the drainage report as discussed on the conference call today. Please let me know if you have any questions. Thank you.

#### Mike Persak, PE, LEED AP, QSD/QSP

O'DELL ENGINEERING | SENIOR PROJECT MANAGER Direct: (209) 497-4061 | Main: (209) 571-1765 ext. 132

Cell: (209) 602-9503 | Fax: (209) 571-2466

E: mpersak@odellengineering.com | W: http://www.odellengineering.com

From: Daniel Hoff

Sent: Tuesday, December 19, 2017 2:23 PM

**To:** Robert Hennessy

Cc: tim@pantanodemo.com; Brendan Corbett; Stephen Seibly; Charles Ferrell; Sarah Hoff

**Subject:** Unforeseen Site Condition - Additional Storm Drainage Design

**Attachments:** MEMO-2017-12-19-SMAS SD-32040.pdf

**Importance:** High

Categories: San Mateo

Bob,

During the process of adjusting our civil drawings per County's Building Department plan check comments, we have encountered an unforeseen site condition. Our scope for the project is to redevelop an existing site and not to correct the existing site's unknown design deficiencies. The bridging documents states the existing site has an underground storm drain system. Please review the attached memo from our Civil Engineer Mike Persak for additional information.

We are requesting approval to proceed with storm water design as a new development by increasing the storage volume to 64,000 CF, which is beyond our baseline scope identified within the bridging documents. At this time, the impact of changing the storm water design on the project is unknown. An alternate option for resolving this issue is for PDU to discuss with the County's Building Department and allow the storm water detention requirements to be based on the net increase of impervious areas, as we did so in our baseline scope.

Since this is a time sensitive matter, we will need an approval to procced on either option by 12/27.

Thanks,

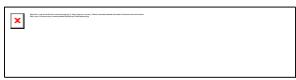
#### Daniel Hoff / LEED AP BD+C

(209) 931-3738 PHONE

(209) 269-6327 MOBILE

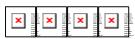
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dhoff@f-hconst.com



1115 East Lockeford Street, Lodi, CA 95240

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## **MEMORANDUM**

Date: December 19, 2017

To: Robert Hennessy, San Mateo County, Project Development Unit

From: Mike Persak, PE

Re: 12 Airport Blvd Animal Shelter Replacement BLD2017-02206 - Storm Drainage Design

This project involves replacement of the existing animal shelter building(s) and much of the surrounding parking lot areas. The existing site's disturbed impervious area is approximately 98,000 sf, and the proposed site plan's new impervious area is approximately 117,000 sf, which is a net increase of 19,000 sf (19 %). The existing site currently has an existing storm drain system, with no apparent detention provided.

The County Design Narrative/Bridging Documents dated April 11, 2016 includes a section for Civil/Site Design which states: "Storm Drainage: The site has an underground storm drain system. The southern part of the site appears to drain toward Airport Boulevard while the back side of the project appears to drain west toward the culvert adjacent to the site. All of the site drainage ultimately ends up in the Bay.

#### Storm Water Strategy-

The site's development is subject to management quality of storm water discharged from the site. The project shall integrate low impact development (LID) strategies to remove pollutants as well as reduce the quantity of storm water as detailed in guidelines provided by the San Mateo Countywide Pollution Prevention Program. The project team will need to integrate features such as pervious paving, bio-retention, and flow through planters to meet these requirements. Treatment measures may be installed adjacent to the new building or across the new fire access in the existing building location. All new impervious surfaces created or replaced by this project will need to flow to the LID features. The site is not eligible to utilize mechanical ways of treatment such as filter vaults. However, capture of water for non-potable reuse can be implemented if other forms of LID are not feasible. Given site soils such as clay and shallow bedrock, infiltration may not be possible."

We are providing LID treatment (bio-retention basins) per the County of San Mateo C.3 checklist for 80 percent capture method, which remove pollutants and reduces the rate and volume of the stormwater leaving the site, as indicated in the County Design Narrative/Bridging Documents. However, there is no mention in this document of a 100-year Storm Study or detention of the 100-year storm volume. And the County has recently indicated that they are treating this as a new development (demo and rebuild), and the project will be required to provide detention for the 100-yr storm since a portion of the site is within the floodplain. There are also portions of the parking lot which we are not replacing. It is not clear if these areas are included in the detention requirement.

In our experience, existing developed sites with operating storm drain systems which undergo additional site improvements or redevelopment, are subject to detention requirements (if applicable) for the net increase in the project runoff or impervious area. For this project, the difference between the two approaches is substantial. The required storage volume for the net increase between the Pre and Post construction runoff volume from a 100-year storm (48hr duration), would be roughly 5,700 cubic feet. However, if the County requires this redevelopment project to store the entire site's post construction storage volume for a 100-year storm (48hr duration), the required storage volume would be roughly 64,000 cubic feet. The site is limited in its ability to provide detention volume due to limited available area, the high groundwater condition, and the existing pipe invert of the tie-in.

1

**Subject:** GoToMeeting Invitation - San Mateo Animal Shelter - Storm Water

**Location:** GoToMeeting

**Start:** Fri 1/12/2018 9:30 AM **End:** Fri 1/12/2018 10:00 AM

**Recurrence:** (none)

Meeting Status: Accepted

**Organizer:** Daniel Hoff

Required Attendees: Diana Shu; Alan Velasquez; Eric Wohle; Carolyn Natividad; Robert Hennessy; Mike

Persak; Eric Villalobos; Tim O'Brien; Brendan Corbett; Stephen Seibly (sseibly@f-

hconst.com)

San Mateo Animal Shelter - Storm Water Fri, Jan 12, 2018 9:30 AM - 10:00 AM PST

Please join my meeting from your computer, tablet or smartphone. https://global.gotomeeting.com/join/231146189

You can also dial in using your phone. United States: +1 (571) 317-3112

Access Code: 231-146-189

First GoToMeeting? Let's do a quick system check: <a href="https://link.gotomeeting.com/system-check">https://link.gotomeeting.com/system-check</a>

**Subject:** GoToMeeting Invitation - Storm Water Design Meeting

**Location:** Conference Call

**Start:** Tue 1/30/2018 1:15 PM **End:** Tue 1/30/2018 2:15 PM

**Recurrence:** (none)

Meeting Status: Accepted

**Organizer:** Daniel Hoff

**Required Attendees:** Robert Hennessy; Stephen Seibly (sseibly@f-hconst.com); Sam Lin; Mike Persak

(mpersak@odellengineering.com); Eric Wohle; Eric Villalobos; Carolyn Natividad; Tim

O'Brien; Brendan Corbett; Diana Shu; Alan Velasquez

Please see call in information below to discuss the 12 Airport Findings.

Storm Water Design Meeting
Tue, Jan 30, 2018 1:15 PM - 2:15 PM PST

Please join my meeting from your computer, tablet or smartphone.

https://global.gotomeeting.com/join/304538973

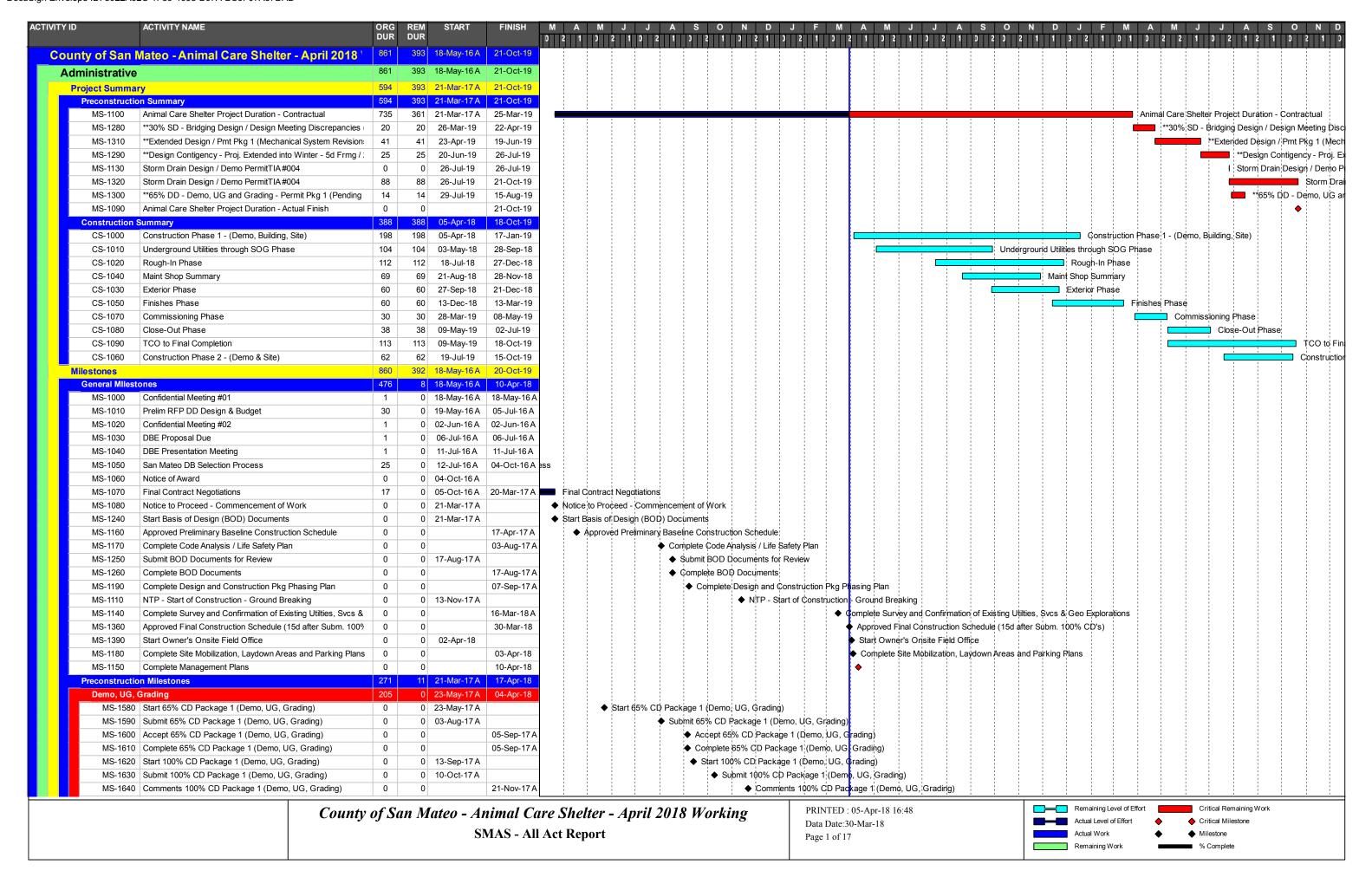
You can also dial in using your phone.

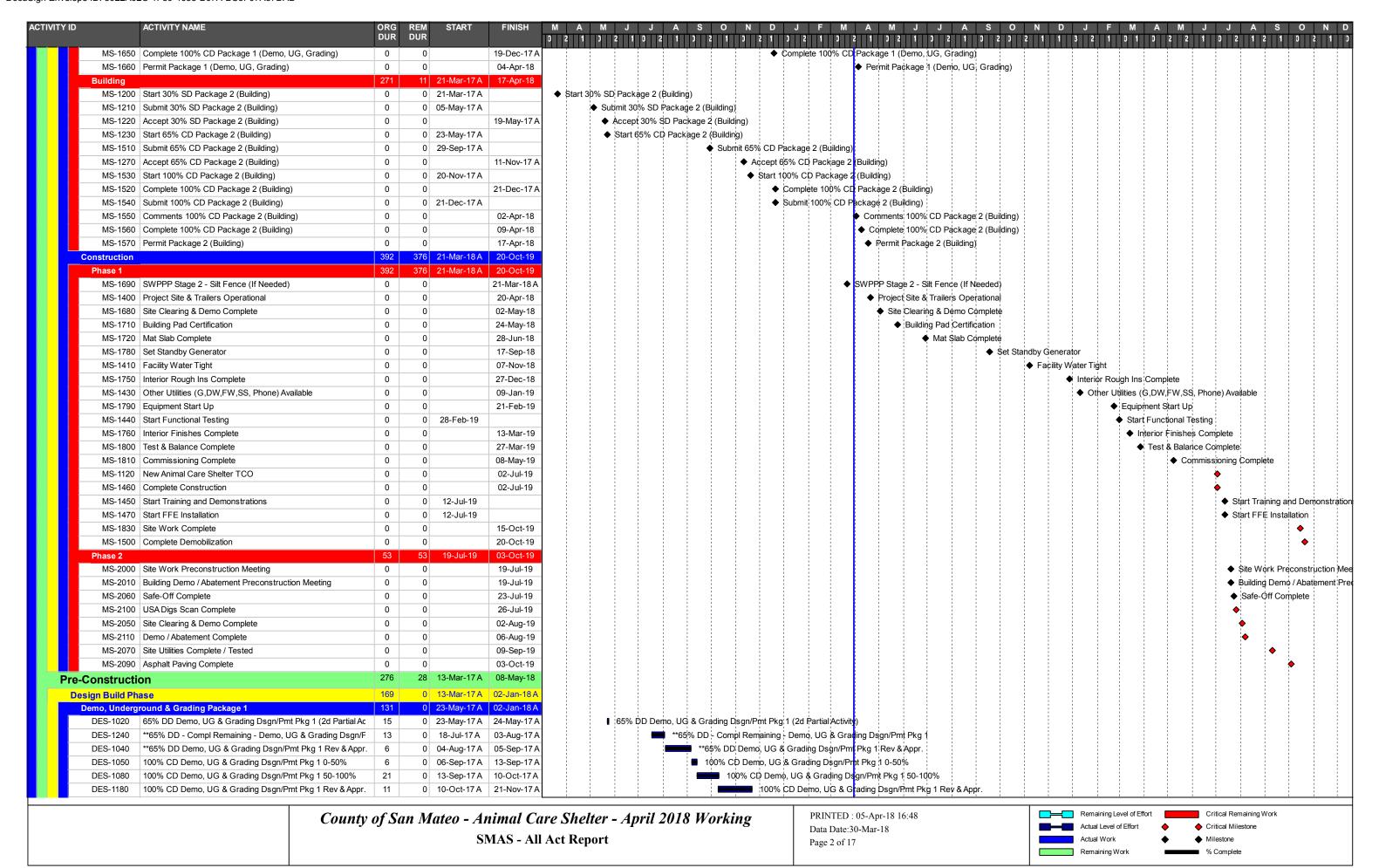
United States: +1 (669) 224-3412

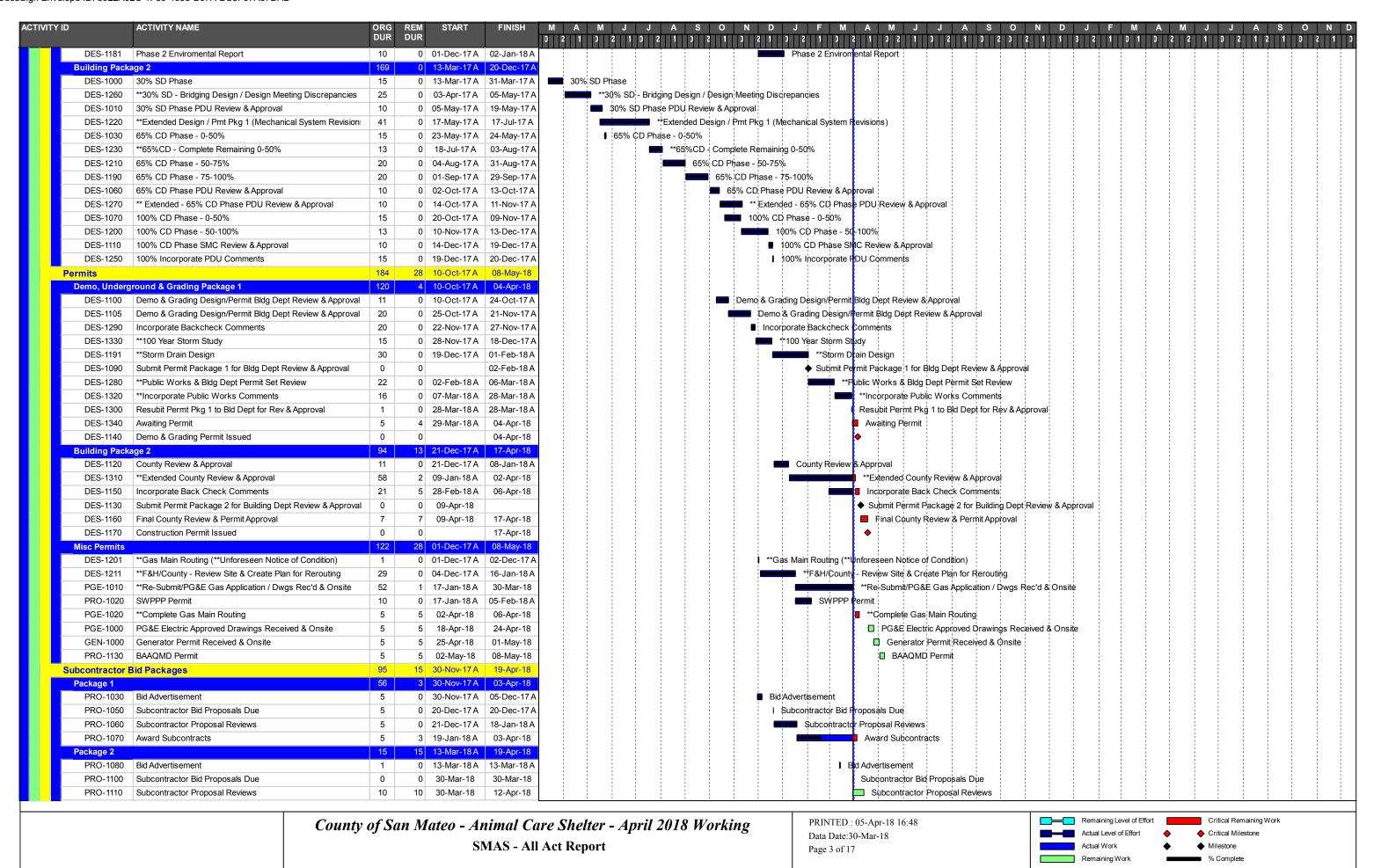
Access Code: 304-538-973

First GoToMeeting? Let's do a quick system check: https://link.gotomeeting.com/system-check



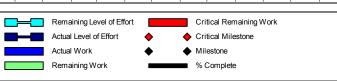






ID		ACTIVITY NAME	ORG DUR		START	FINISH	M
PR	RO-1120	Award Subcontracts	5		13-Apr-18	19-Apr-18	□ Award Subcontracts
onstru		, man a casco made	400		31-Oct-17 A		
Phase I			250		31-Oct-17 A		
	_	on and Preparation	27		31-Oct-17 A		
		Mobilization Mobilization	3		31-Oct-17 A		■ Mobilization
		Install Trailer Temp Utilities	7		15-Mar-18 A		Install Trailer Temp Utilities
		Survey / Staking - Site & Exisiting Utilities	2	0	15-Mar-18 A		Survey / Staking - Site & Exisiting Utilities
		Install Temp Fencing	2	0	15-Mar-18 A		I Install Temp Fencing
		Install SWPPP	3	0			■ Install SWPPP
		Install Temp Storm Drain Line	4	1	30-Mar-18	04-Apr-18	Install Temp Storm Drain Line
		Animal Shelter's Temporary Facilities	15	15		20-Apr-18	Animal Shelter's Temporary Facilities
		Install Rip-Rap/Entry Gate for Truck Access	2	2	05-Apr-18	06-Apr-18	Install Rip-Rap/Entry Gate for Truck Access
		lition & Abatement	26	26	04-Apr-18	09-May-18	I mount to reach the control of the
		Coordinate & Assist Owner Move	5	5		10-Apr-18	Coordinate & Assist Owner Move
		Relocate and Re-Connect Owner Equipment [Exoctic Kitchen	3	3	<u> </u>	06-Apr-18	Relocate and Re-Connect Owner Equipment [Exoctic Kitchen, Dog Grooming etc.,]
		Mobilize Equipment (Abatement & Building Demo)	2	2	<u>.</u>	06-Apr-18	■ Mobilize Equipment (Abatement & Building Demo)
		Safe-Off Building Services (Mechanical, Electrical & Fire Alarn	5	5	<u>.</u>	11-Apr-18	Safe-Off Building Services (Mechanical, Electrical & Fire Alarm Systems)
		Building Demo & Abatement Pre-Construction Meeting	1	1	09-Apr-18	09-Apr-18	Building Demo & Abatement Pre-Construction Meeting
		**Unforeseen Condition - PG&E Gas Design & Scheduling	5	5		13-Apr-18	**Unforeseen Condition - PG&E Gas Design & Scheduling
		Layout & Set-Up Building Abatement Containment	1	1	10-Apr-18	10-Apr-18	I Layout & Set-Up Building Abatement Containment
		Building Abatement (Flooring, Walls, Ceiling, Roof etc.,)	5	5	11-Apr-18	17-Apr-18	■ Building Abatement (Flooring, Walls, Ceiling, Roof etc.,)
		Relocate/Reroute (e) PG&E Gas Meter & Gas Line	10	10	· ·	27-Apr-18	Relocate/Reroute (e) PG&E Gas Meter & Gas Line
		Abatement Certification	2	2	· ·	19-Apr-18	Abatement Certification
		Re-Configure & Re-Establish (Mechanical, Electrical & Fire Al	3	3	20-Apr-18	24-Apr-18	Re-Configure & Re-Establish (Mechanical, Electrical & Fire Alarm Systems)
		Field Test - Mechanical, Electrical & Fire Alarm Systems	2	2	<u>'</u>	26-Apr-18	Field Test - Mechanical, Electrical & Fire Alarm Systems
		Building Demolition	3	3	30-Apr-18	02-May-18	Building Demolition
		Slab / Aggregate Base Abatement & Demo	5	5	· ·	02 May 18	■ Slab / Aggregate Base Abatement & Demo
		Building Pad Certification	44		30-Mar-18	31-May-18	and the second s
	<u> </u>	Establish Asbestos Dust Mitigation Plan (If required for Phase	1	1	30-Mar-18	30-Mar-18	Establish Asbestos Dust Mitigation Plan (If required for Phase 1)
		Earthwork Pre-Construction Meeting	1	1	03-May-18	03-May-18	I Earthwork Pre-Construction Meeting
		Mobilize Equipment (Earthwork)	5	5	03-May-18	09-May-18	■ Mobilize Équipment (Earthwork)
		USA Digs - Scan for Utilities	3	3	04-May-18	08-May-18	■ USA Digs! - Scan for Utilities
		Locate Existing Utilities P.O.C's. and Structures	1	1	09-May-18	09-May-18	I Loçate Existing Utilities P.O.C's. and Structures
		Protect Existing Utilities P.O.C's. and Structures	1	1	10-May-18	10-May-18	I Protect Existing Utilities P.O.C's. and Structures
		Strip and Stockpile Existing Fill Material {Pending Phase II Env	3	3	11-May-18	15-May-18	■ Strip and Stockpile Existing Fill Material {Pending Phase II Enviornmental Report]
		Rough Grade Site	2	2		17-May-18	Rough Grade Site
		Import/Place/Compact General Fill Outside of Building Pad	2	2		21-May-18	Import/Place/Compact General Fill Outside of Building Pad
		Import/Place/Compact Engineered Fill @ Building Pad	3	3	18-May-18	22-May-18	Import/Place/Compact Engineered Fill @ Building Pad
		Survey/Verify Building Corners & Layout	1	1	23-May-18	23-May-18	I Survey/Verify Building Corners & Layout
		Certify Building Pad - 100%	1	1	24-May-18	24-May-18	Certify Building Pad - 100%
		Set Batter Boards to Establish Line & Grade	1	1	25-May-18	25-May-18	I Set Batter Boards to Establish Line & Grade
	-	Worklist & Corrections	3	3	29-May-18	31-May-18	Worklist & Corrections
		Site Utilities	38		22-May-18		
		Establish Utility Grade	2	2		23-May-18	
		Layout & Survey	1	1	24-May-18	24-May-18	I Layout & Surivey
		Install Sanitary Sewer System Complete	10	10		08-Jun-18	Install Sanitary Sewer System Complete
		Install Domestic & Fire Water Systems Complete [Bldg P.O.C.	10	10		08-Jun-18	Install Domestic & Fire Water Systems Complete [Bldg P.O.C. 6" A.F.F.)
		Inspection - S.S. Air Test (If required)	2	2		12-Jun-18	I Inspection - S.S. Air Test (If required)
		Tie-In Domestic & Fire Water to Exisiting P.O.C.(s)	2	2		12-Jun-18	Tie-In Domestic & Fire Water to Exisiting P.O.C.(\$)
		Tie-In S.S. to Exisiting P.O.C.	1	1	13-Jun-18	13-Jun-18	I Tie-In S.S. to Existing P.O.C.
		Inspection - Flow & DDCV [Fire Department]	1	1	13-Jun-18	13-Jun-18	I Inspection - Flow & DDCV [Fire Department]
		Inspection & Certification - DDCV	1	1	13-Jun-18	13-Jun-18	I Inspection & Certification - DDCV
		Install Storm Drain System Complete	10	10		27-Jun-18	Install Storm Drain; System Complete
		Inspection - S.D. Air Test (If required)	2	2		27-Jun-18 29-Jun-18	If Inspection - S.D. Air Test (If required)
		Tie-In S.D. to Exisiting P.O.C.	1	4	28-Jun-18 02-Jul-18	29-Jun-18 02-Jul-18	I Tie-In S.D. to Exisiting P.O.C.
	J-1110	TIE-III 3.D. to Existing F.O.C.			02-3ul-10	02-3ul-10	i ne-iii 3.D.iu Existing P.O.C.

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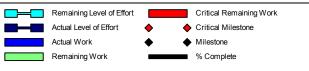
ACTIVITY ID		ACTIVITY NAME	ORG		START	FINISH	M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
			DUR				0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0
	UU-1120	Install Site Lighting U.G. Conduits	2	2		05-Jul-18	
	UU-1130	Clean-Up Existing Grade	1	1	06-Jul-18	06-Jul-18	
	UU-1140	Worklist & Corrections	3	3	09-Jul-18	11-Jul-18	
	UU-1150	A&E Punchlist	3	3	09-Jul-18	11-Jul-18	
	UU-1160	Punch List Corrections	3	3	12-Jul-18	16-Jul-18	
		es & Outbuildings Slab-on-Grade	91	91	22-May-18	28-Sep-18	
	SS-1000	Survey & Layout Site Retaining Wall	1	1	22-May-18	22-May-18	
	SS-1010	Survey & Layout Out-Building(s)	1	1	23-May-18	23-May-18	
	SS-1020	Excavate Retaining Wall Continuous Footing	2	2	24-May-18	25-May-18	
	SS-1040	Form and Reinforce Retaining Wall at Building Wall [3/S4.03]	5	5	_0ay .0	04-Jun-18	
	SS-1070	Inspection - Reinforcing Steel	1	1	05-Jun-18	05-Jun-18	
	SS-1030	Form and Reinforce Retaining Wall Continuous Footing	3	3	14-Jun-18	18-Jun-18	
	SS-1050	Inspection - Reinforcing Steel	1	1	19-Jun-18	19-Jun-18	
	SS-1060	Place Retaining Wall Footing	2	2		21-Jun-18	
	SS-1080	Place Retaining Wall Footing at Building Wall Footing [3/S4.03	1	1	20-Jun-18	20-Jun-18	
	SS-1090	Form and Reinforce Site Retaining Wall	2	2	21-Jun-18	22-Jun-18	
	SS-1100	Strip Retaining Wall Footing at Building Wall	1	1	21-Jun-18	21-Jun-18	
	SS-1110	Inspection - Reinforcing Steel	1	1	25-Jun-18	25-Jun-18	
	SS-1120	Place Site Retaining Wall	2	2	26-Jun-18	27-Jun-18	
	SS-1130	Strip Site Retaining Wall	2	2	28-Jun-18	29-Jun-18	
	SS-1140	28-Day Compressive Strength	20	20	28-Jun-18	26-Jul-18	
	SS-1150	Install Waterproofing System at Site Retaining Wall	2	2	27-Jul-18	30-Jul-18	
	SS-1160	Place Drainage Rock and Pipe at Site Retaining Wall	2	2		01-Aug-18	
	SS-1170	Back-Fill Site Retaining Wall	2	2	02-Aug-18	03-Aug-18	
	SS-1180	Backfill/Re-Grade Out-Buildings S.O.G.	1	1	06-Aug-18	06-Aug-18	
	SS-1190	Rock & Visqueen Out-Building S.O.G.	2	2	07-Aug-18	08-Aug-18	
	SS-1200	Form and Reinforce Out-Buildings S.O.G.	1	1	09-Aug-18	09-Aug-18	
	SS-1210	Inspection - Reinforcing Steel	1	1	10-Aug-18	10-Aug-18	18 I Inspection - Reinforcing Steel
	SS-1220	Pour Out-Buildings S.O.G.	1	1	13-Aug-18	13-Aug-18	18 I Pour Out-Buildings S.O.G.
	SS-1230	7 Day Compression Strength Test	5	5	14-Aug-18	20-Aug-18	18
	SS-1240	Layout & Excavate Transformer / Generator Pad	2	2	14-Aug-18	15-Aug-18	18 Layout & Excavate Transformer / Generator Pad
	SS-1250	Install Landscape Irrigation Sleeves	2	2	14-Aug-18	15-Aug-18	18 Install Landscape Irrigation Sleeves
	SS-1260	Set Vertical Curb & Gutter Grade	2	2	16-Aug-18	17-Aug-18	18 I Set Vertical Curb & Gutter Grade
	SS-1270	Layout & Excavate Conduits	2	2	16-Aug-18	17-Aug-18	18 I Layout & Excavate Conduits
	SS-1280	Excavate/Form/Reinforce Trash Enclosure Pad and Aproach	2	2	20-Aug-18	21-Aug-18	18 I Excavate/Form/Reinforce Trash Enclosure Pad and Aproach
	SS-1290	Install Primary & Secondary Feeders	5	5	20-Aug-18	24-Aug-18	18 Install Primary & Secondary Feeders
	SS-1300	Inspection - Reinforcing Steel	1	1	22-Aug-18	22-Aug-18	18 I Inspection - Reinforcing Steel
	SS-1310	Form & Pour Site Vertical Curb & Gutter	4	4	23-Aug-18	28-Aug-18	18
	SS-1320	Pour Trash Enclosure / Generator Pad (Footing & Slab)	1	1	23-Aug-18	23-Aug-18	18 Pour Trash Enclosure / Generator Pad (Footing & Slab)
	SS-1330	Set Generator	1	1	24-Aug-18	24-Aug-18	18 I Set Generator
	SS-1340	Inspect Primary & Secondary	1	1	27-Aug-18	27-Aug-18	18 Inspect Primary & Secondary
	SS-1350	PG&E Inspect Primary & Secondary	1	1	28-Aug-18	28-Aug-18	18 PG&E Inspect Primary & Secondary
	SS-1360	Fine Grade & Place Base Rock at Paved Areas	2	2	29-Aug-18	30-Aug-18	18 I Fine: Grade & Place Base Rock at Paved Areas
	SS-1370	Install Flag Poles	2	2		30-Aug-18	18 I Install Flag Poles
	SS-1380	Backfill Trench	2		29-Aug-18	30-Aug-18	18 Backfill Trehch
	SS-1390	Set Transformer Pad / Ground Rod	3		31-Aug-18	05-Sep-18	18 □ Set Transformer Pad / Ground Rod
	SS-1400	Compaction Test	1	1	31-Aug-18	31-Aug-18	18 Compaction Test
	SS-1410	Place Asphalt Paving	2	2	04-Sep-18	05-Sep-18	18 I Place Asphalt Paving
	SS-1430	Posted Parking Lot Signage	1	1	06-Sep-18	06-Sep-18	18 I Posted Parking Lot Signage
	SS-1440	PG&E Inspection	1	1	06-Sep-18	06-Sep-18	
	SS-1450	Striping & Graphics	1	1	07-Sep-18	07-Sep-18	
	SS-1460	Set Transformer (PG&E)	5	5		13-Sep-18	<del>_</del>
	SS-1420	Install Dog Runs & Yard Fencing	3	3		17-Sep-18	
	SS-1470	Install Site Related Bollards	2		14-Sep-18	17-Sep-18	
	SS-1480	Worklist & Corrections	3	3	-	20-Sep-18	
		·					
		Constant	CC	7 11	T. 4	. 10	Cava Chaltan April 2010 Washing PRINTED: 05-Apr-18 16:48 Remaining Level of Effort Critical Remaining Work

PRINTED: 05-Apr-18 16:48 Data Date:30-Mar-18 Page 5 of 17



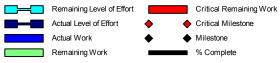
ACTIVITY I	D ACTIVITY NAME	ORG DUR		START	FINISH	M A	M	J J A	S   O	N D	J F	M A I	M J J	J A S	O N	D J F	: M A	M J	J A	S   O	N D
	SS-1490 A&E Punchlist	3	3	21-Sep-18	25-Sep-18		ш	<del>, , , , , , , , , , , , , , , , , , , </del>	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		111111111111111111111111111111111111111	***************************************	-		A&E Punchlist	11111111111	штин		سنسب	<del>iiniii iii</del>	4
	SS-1500 Punch List Corrections	3	3	26-Sep-18	28-Sep-18									1 1 1	Punch List Co	rrections					
	Main Building Substructure	97	97	•	12-Oct-18		1								T diloit Elot Ot						
	Area 1 - (Building)	31			11-Jul-18		:														
	A1-1000 Layout & Excavate Continuous Slab Depressions (1 & 3/S4.0/	2		29-May-18	30-May-18								l l avolut	& Excavate Contin	uous Slah Der	ressions (1.8.3	3/54 02)				
	A1-1010 Layout & Excavate Underslab Plumbing (Waste & Vent)	4	4	29-May-18	01-Jun-18								, ,	& Excavate Under	100						
	A1-1020 Layout for Framed Walls Mech/Elect	2	2	29-May-18	30-May-18								1 1	for Framed Walls I	1 1	(vvasie a veni	<b>'</b>				
	A1-1040 Layout for Framed Walls AB's, HD's, HSS Columns	2		31-May-18	01-Jun-18					1 1			1 1	for Framed Walls	1 1	S Columns					
	A1-1050 Install & Backfill Underslab Plumbing (Waste & Vent)	5	5	04-Jun-18	08-Jun-18								1 1	II & Backfill Unders	11 11	1 1					
	2, ,	2	3		12-Jun-18					i			- 1	out & Excavate Und	; 4.	1 1 1					
		4		11-Jun-18									1 17	out & Excavate Unic	1 1						
	A1-1080 Layout & Excavate Underslab Electrical			11-Jun-18	14-Jun-18								1 1	i i i	1 1	1 1					
	A1-1090 Layout & Set Perimeter Form (Establish Cold Joint)	2		11-Jun-18	12-Jun-18								1 1	out & Set Perimeter	1 1	1 1					
	A1-1100 Install & Backfill Underslab Plumbing (Water)	2	2		14-Jun-18								1 1	all & Backfill Under	, , , ,	(vvater)					
	A1-1030 Layout 6" and 8" CMU Walls	1	1	14-Jun-18	14-Jun-18								1 1	out 6" and 8" CMU	i i						
	A1-1110 Install & Backfill Underslab Electrical	2	2		18-Jun-18		-						1 1	tall & Backfill Unde	1 1						
	A1-1120 Form 18" Concrete Mat Slab	1	1	19-Jun-18	19-Jun-18		:							rm 18" Concrete M		10/01					
	A1-1130 Layout & Install Underslab MEP Sleeves (6/S4.01)	1	1	20-Jun-18	20-Jun-18		!						- 1	yout & Install Unde	1 1	11					
	A1-1140 Set Block-Outs @ Floor Drains/Sinks, Trench Drains and ME	1	1	20-Jun-18	20-Jun-18									t Block-Outs @ Flo	1 1	1 1	1 1	in-Siab Fibor B	oxes (2/S4.02	<b>2)</b>	
	A1-1150 Place Reinforcing Steel @ 18" Mat Slab On-Grade	3		21-Jun-18	25-Jun-18								i i	Place Reinforcing \$	7 1	i i	i i				
	A1-1160 Place Reinforcing Steel (CMU Walls) @ 18" Concrete Mat Sk	2	2		26-Jun-18								1 1	Place Reinforcing \$	1 1	ls) @ 18" Cond	crete Mat Slat	)			
	A1-1165 Set ABs, HDs, HSS Column Bolts	2	2		26-Jun-18								1 -1	Set ABs, HDs, HSS							
	A1-1060 Set Reinforcing Steel Template	1	1	26-Jun-18	26-Jun-18					i			1 1	Set Reinfording Stee							
	A1-1170 Inspection - Reinforcing Steel	1	1	27-Jun-18	27-Jun-18								1 1	nspection - Reinfor	• , ,						
	A1-1180 Pre-Pour Inspection 18" Mat Slab On-Grade	1	1	27-Jun-18	27-Jun-18								- 1	Pre-Pour Inspection	1 1	i i					
	A1-1190 Place & Finish 18" Concrete Mat Slab	1	1	28-Jun-18	28-Jun-18								1 1	Place & Finish 18"	Concrete Mat	Slab					
	A1-1200 Concrete Cure	1	1	29-Jun-18	29-Jun-18		!						1 7	Concrete Cure							
	A1-1210 Spray Surface Hardener and Sealer	1	1	02-Jul-18	02-Jul-18								1 1	Spray Surface Har	1 1	ıler					
	A1-1220 Worklist & Corrections	3	3	03-Jul-18	06-Jul-18								1 1	Worklist & Correct	ctions						
	A1-1230 A&E Punchlist	3	3	03-Jul-18	06-Jul-18									A&E Punchlist							
	A1-1240 Punch List Corrections	3	3	09-Jul-18	11-Jul-18		:							Punch List Corre	ections						
	Area 2 - (Building)	33	33	31-May-18	17-Jul-18					i											
	A2-1010 Layout for Framed Walls Mech/Elect	2	2	31-May-18	01-Jun-18								Layou	for Framed Walls	Mech/Elect						
	A2-1020 Layout & Excavate Continuous Slab Depressions (1 & 3/S4.0/	2	2	04-Jun-18	05-Jun-18								Layo	ıt & Excavate Conti	nuous Slab De	pressions (1 &	3/S4.02)				
	A2-1030 Layout & Excavate Underslab Plumbing (Waste & Vent)	4	4	04-Jun-18	07-Jun-18								■ Layo	ut & Excavate Unde	erslab Plumbin	g (Waste & Ver	nt)				
	A2-1040 Layout for Framed Walls AB's, HD's, HSS Columns	2	2	04-Jun-18	05-Jun-18								■ Layo	it for Framed Walls	AB's, HD's, H	SS Columns					
	A2-1060 Install & Backfill Underslab Plumbing (Waste & Vent)	5	5	08-Jun-18	14-Jun-18								Ins	all & Backfill Under	slab Plumbing	(Waste & Vent)	)				
	A2-1000 Layout 6" and 8" CMU Walls	1	1	15-Jun-18	15-Jun-18		1						I Lay	out 6" and 8" CMŲ	Walls						
	A2-1070 Layout & Excavate Underslab Plumbing (Water)	2	2	15-Jun-18	18-Jun-18								1 1	yout & Excavate Ur	1 1	- 1					
	A2-1080 Layout & Excavate Underslab Electrical	4	4	15-Jun-18	20-Jun-18									yout & Excavate U							
	A2-1090 Layout & Set Perimeter Form (Establish Cold Joint)	2	2	15-Jun-18	18-Jun-18					i			<b>I</b> La	yout & Set Perimete	er Form (Estat	lish Cold Joint)					
	A2-1100 Install & Backfill Underslab Plumbing (Water)	2	2	19-Jun-18	20-Jun-18		:						1 1	stall & Backfill Unde	1 1	* ; / ;					
	A2-1110 Install & Backfill Underslab Electrical	2	2	21-Jun-18	22-Jun-18		:						<b>■</b> Ir	stall & Backfill Und	erslab Electric	al					
	A2-1120 Form 18" Concrete Mat Slab	1	1	25-Jun-18	25-Jun-18								I I	orm 18" Concrete	Mat Slab						
	A2-1130 Layout & Install Underslab MEP Sleeves (6/S4.01)	1	1	26-Jun-18	26-Jun-18		1						1 1	ayout & Install Und	lerslab MEP S	eeves (6/S4.01	)				
	A2-1140 Set Block-Outs @ Floor Drains/Sinks, Trench Drains and ME	1	1	26-Jun-18	26-Jun-18								1 8	Set Block-Outs @ F	loor Drains/Si	nks, Trench Dr	ains and MEF	In-Slab Floor	Boxes (2/S4.0	02)	
	A2-1150 Place Reinforcing Steel @ 18" Mat Slab On-Grade	3	3	27-Jun-18	29-Jun-18								B.	Place Reinforcing S	Steel @ 18" Ma	t Slab On-Grad	de				
	A2-1250 Set ABs, HDs, HSS Column Bolts	2	2	27-Jun-18	28-Jun-18									Set ABs, HDs, HSS	Column Bolts						
	A2-1050 Set Reinforcing Steel Template	1	1	28-Jun-18	28-Jun-18								1	Set Reinforcing Ste	el Template						
	A2-1160 Place Reinforcing Steel (CMU Walls) @ 18" Concrete Mat Sla	2	2	29-Jun-18	02-Jul-18		i						i	Place Reinforcing	Steel (CMU W	alls) @ 18" Cor	ncrete Mat Sla	ab			
	A2-1170 Inspection - Reinforcing Steel	1	1	03-Jul-18	03-Jul-18								1	Inspection - Reinfo	orcing Steel	1 1	1 1				
	A2-1180 Pre-Pour Inspection 18" Mat Slab On-Grade	1	1	03-Jul-18	03-Jul-18		1						h	Pre-Pour Inspection	on 18" Mat Sla	On-Grade					
	A2-1190 Place & Finish 18" Concrete Mat Slab	1	1	05-Jul-18	05-Jul-18		:						1	Place & Finish 18	' Concrete Ma	Slab					
	A2-1200 Concrete Cure	1	1	06-Jul-18	06-Jul-18		!							Concrete Cure							
	A2-1210 Spray Surface Hardener and Sealer	1	1	09-Jul-18	09-Jul-18		:							Spray Surface Ha	ardener and S	aler					
	A2-1220 Worklist & Corrections	3	3	10-Jul-18	12-Jul-18		:							Worklist & Corre	i i						
	<u> </u>																		<u> </u>		
	County	of C	San M	atao 1:	aimal Ca	wa Cha	14 014	_ Anvil 201	0 Woukin	~	PRINT	ED: 05-Apr-1	8 16:48	<u> </u>		Remaining	Level of Effort	С	Critical Remaining	Work	

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IVITY ID	ACTIVITY NAME		REM DUR	START	FINISH	M A N	M J J A S O N D J F M A M J J A S O N D J F M A M J J A S
	A2-1230 A&E Punchlist	3	3	10-Jul-18	12-Jul-18	<del>minnin</del>	■ A&E Punchlist
			3		17-Jul-18		Punch List Corrections
	A2-1240 Punch List Corrections	3	3	13-Jul-18			■ Funcil Est Collections
	Area 3 - (Building)	35	35				
	A3-1000 Layout for Framed Walls Mech/Elect	2	2		05-Jun-18		■ Layout for Framed Walls Mech/Elect
	A3-1010 Layout for Framed Walls AB's, HD's, HSS Columns	2	2	06-Jun-18	07-Jun-18		■ Layout for Framed Walls AB's, HD's, HSS Column's
	A3-1020 Layout & Excavate Continuous Slab Depressions (1 & 3/S4.02	2	2	08-Jun-18	11-Jun-18		■ Layout & Excavate Continuous Slab Depressions (1 & 3/S4.02)
	A3-1030 Layout & Excavate Underslab Plumbing (Waste & Vent)	4	4	08-Jun-18	13-Jun-18		■ Layout & Excavate Underslab Plumbing (Waste & Vent)
	A3-1060 Install & Backfill Underslab Plumbing (Waste & Vent)	5	5	14-Jun-18	20-Jun-18		■ Install & Backfill Underslab Plumbing (Waste & Vent)
	A3-1040 Layout 6" and 8" CMU Walls	1	1	18-Jun-18	18-Jun-18		I Layout 6" and 8" CMU Walls
	A3-1070 Layout & Excavate Underslab Plumbing (Water)	2	2	21-Jun-18	22-Jun-18		■ Layout & Excavate Underslab Plumbing (Water)
	A3-1080 Layout & Excavate Underslab Electrical	4	4	21-Jun-18	26-Jun-18		■ Layout & Excavate Underslab Electrical
	A3-1090 Layout & Set Perimeter Form (Establish Cold Joint)	2	2	21-Jun-18	22-Jun-18		■ Layout & Set Perimeter Form (Establish Cold Joint)
	A3-1100 Install & Backfill Underslab Plumbing (Water)	2	2	25-Jun-18	26-Jun-18		I Install & Backfill Underslab Plumbing (Water)
	A3-1110 Install & Backfill Underslab Electrical	2	2	27-Jun-18	28-Jun-18		I Install & Backfill Underslab Electrical
	A3-1120 Form 18" Concrete Mat Slab	1	1	29-Jun-18	29-Jun-18	i	
	A3-1130 Layout & Install Underslab MEP Sleeves (6/S4.01)	1	1	02-Jul-18	02-Jul-18		I Layout & Install Underslab MEP Sleeves (6/\$4.01)
	A3-1140 Set Block-Outs @ Floor Drains/Sinks, Trench Drains and ME	1	1	02-Jul-18	02-Jul-18		I Set Block-Outs @ Floor Drains/Sinks, Trench Drains and MEP In-Slab Floor Boxes (2/S4.02)
	A3-1150 Place Reinforcing Steel @ 18" Mat Slab On-Grade	3	3	02-3ul-18	06-Jul-18		Place Reinforcing Steel @ 18" Mat Slab On-Grade
	A3-1250 Set ABs, HDs, HSS Column Bolts	2	2		05-Jul-18		Place Reinforcing Steeling To Mat Sab Off-Grade
	· · · ·		4	03-Jul-18			
	A3-1050 Set Reinforcing Steel Template	1	1	05-Jul-18	05-Jul-18		I Set Reinforcing Steel Template
	A3-1160 Place Reinforcing Steel (CMU Walls) @ 18" Concrete Mat Sla	2	2	06-Jul-18	09-Jul-18		■ Place Reinforcing Steel (CMU Walls) @ 18" Concrete Mat Slab
	A3-1170 Inspection - Reinforcing Steel	1	1	10-Jul-18	10-Jul-18		I Inspection - Reinforcing Steel
	A3-1180 Pre-Pour Inspection 18" Mat Slab On-Grade	1	1	10-Jul-18	10-Jul-18		I Pre-Pour Inspection 18" Mat Slab On-Grade
	A3-1190 Place & Finish 18" Concrete Mat Slab	1	1	11-Jul-18	11-Jul-18	i	I Place & Finish 18" Concrete Mat Slab
	A3-1200 Concrete Cure	1	1	12-Jul-18	12-Jul-18		I Concreté Cure
	A3-1210 Spray Surface Hardener and Sealer	1	1	13-Jul-18	13-Jul-18		I Spray Surface Hardener and Sealer
	A3-1220 Worklist & Corrections	3	3	16-Jul-18	18-Jul-18		0 Worklish & Corrections
	A3-1230 A&E Punchlist	3	3	16-Jul-18	18-Jul-18		□ A&E Punchlist
	A3-1240 Punch List Corrections	3	3	19-Jul-18	23-Jul-18		□ Punch List Corrections
	Area 4 - (Dog Kennels)	74	74	29-Jun-18	12-Oct-18		
	A4-1000 Layout & Excavate Underslab Plumbing (Waste & Vent)	2	2	29-Jun-18	02-Jul-18		■ Layout & Excavate Underslab Plumbing (Waste & Vent)
	A4-1010 Layout & Excavate Underslab Plumbing (Sleeve Water Lines -	2	2	03-Jul-18	05-Jul-18		Layout & Excavate Underslab Plumbing (Sleeve Water Lines - 6/S4.01)
	A4-1020 Layout & Excavate Underslab Electrical	2	2	03-Jul-18	05-Jul-18		Layout & Excavate Underslab Electrical
	A4-1030 Install & Backfill Underslab Plumbing (Waste & Vent)	4	4	03-Jul-18	09-Jul-18	1 1	■ Install & Backfill Underslab Plumbing (Waste & Vent)
	A4-1040 Install & Backfill Underslab Electrical	2	2	06-Jul-18	09-Jul-18		■ Install & Backfill Underslab Electrical
	A4-1070 Install & Backfill Underslab Plumbing (Water)	2	2	06-Jul-18	09-Jul-18		■ Install & Backfill Underslab Plumbing (Water)
	<b>5</b> , ,	2	2		11-Jul-18		
	A4-1050 Layout Sloped to Trench Drain in Mat Slab (1/S4.02)			10-Jul-18			I Layout Sloped to Trench Drain in Mat Slab (1/S4.02)
	A4-1060 Layout 8" CMU Walls	1	- I	10-Jul-18	10-Jul-18		I Layout 8" CMU Walls
	A4-1080 Layout & Set Perimeter Form	1	1	10-Jul-18	10-Jul-18		I Layout & Set Perimeter Form
	A4-1100 Set Block-Outs @ Trench Drains (1/S4.02)	1	1	10-Jul-18	10-Jul-18		I Set Block-Outs @ Trench Drains (1/S4.02)
				12-Jul-18	16-Jul-18	1 1	■ Place Reinforcing Steel @ 1/8" Mat Slab On-Grade
	A4-1110 Place Reinforcing Steel @ 18" Mat Slab On-Grade	3	3			1 1	
	A4-1090 Layout & Set Reinforcing Steel Template	3	1	13-Jul-18	13-Jul-18		▮ Layout & Set Reinforcing Steel Template
	A4-1090 Layout & Set Reinforcing Steel Template A4-1295 Set Embeds & AB's		1 2				I Layout & Set Reinforcing Steel Template ■ Set Embeds & AB's
-	A4-1090 Layout & Set Reinforcing Steel Template	1	1	13-Jul-18 13-Jul-18	13-Jul-18		
	A4-1090 Layout & Set Reinforcing Steel Template A4-1295 Set Embeds & AB's	1 2	1 2	13-Jul-18 13-Jul-18	13-Jul-18 16-Jul-18		■ Set Embeds &AB's
	A4-1090 Layout & Set Reinforcing Steel Template A4-1295 Set Embeds & AB's A4-1650 Set ABs, HDs, HSS Column Bolts	1 2 2	1 2	13-Jul-18 13-Jul-18 13-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18		Set Embeds & AB's Set ABs, HDs, HSS Column Bolts
	A4-1090 Layout & Set Reinforcing Steel Template A4-1295 Set Embeds & AB's A4-1650 Set ABs, HDs, HSS Column Bolts A4-1120 Inspection - Reinforcing Steel	1 2 2 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18		■ Set Embeds & AB's ■ Set ABs, HDs, HSS ¢olumn Bolts ■ Inspection - Reinfording Steel
	A4-1090 Layout & Set Reinforcing Steel Template A4-1295 Set Embeds & AB's A4-1650 Set ABs, HDs, HSS Column Bolts A4-1120 Inspection - Reinforcing Steel A4-1130 Form 18" Concrete Mat Slab	1 2 2 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Form 18" Concrete Mat Slab
	A4-1090 Layout & Set Reinforcing Steel Template A4-1295 Set Embeds & AB's A4-1650 Set ABs, HDs, HSS Column Bolts A4-1120 Inspection - Reinforcing Steel A4-1130 Form 18" Concrete Mat Slab A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade	1 2 2 1 1 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Form 18" Concrete Mat Slab  I Pre-Pour Inspection 18" Mat Slab On-Grade
	A4-1090 Layout & Set Reinforcing Steel Template  A4-1295 Set Embeds & AB's  A4-1650 Set ABs, HDs, HSS Column Bolts  A4-1120 Inspection - Reinforcing Steel  A4-1130 Form 18" Concrete Mat Slab  A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade  A4-1150 Place & Finish 18" Concrete Mat Slab  A4-1160 Set-Up/Form Trench Drain Kennel Pourback	1 2 2 1 1 1 1 1 1 2 2 1 1 1 2 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Form 18" Concrete Mat Slab  Pre-Pour Inspection 18" Mat Slab On-Grade  Place & Finish 18" Concrete Mat Slab  Set-Up/Form Trench Drain Kennel Pourback
	A4-1090 Layout & Set Reinforcing Steel Template  A4-1295 Set Embeds & AB's  A4-1650 Set ABs, HDs, HSS Column Bolts  A4-1120 Inspection - Reinforcing Steel  A4-1130 Form 18" Concrete Mat Slab  A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade  A4-1150 Place & Finish 18" Concrete Mat Slab  A4-1160 Set-Up/Form Trench Drain Kennel Pourback  A4-1170 Add Cure / Hardener / Sealer	1 2 2 1 1 1 1 2 1 1 2 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 23-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Inspection
	A4-1090 Layout & Set Reinforcing Steel Template  A4-1295 Set Embeds & AB's  A4-1650 Set ABs, HDs, HSS Column Bolts  A4-1120 Inspection - Reinforcing Steel  A4-1130 Form 18" Concrete Mat Slab  A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade  A4-1150 Place & Finish 18" Concrete Mat Slab  A4-1160 Set-Up/Form Trench Drain Kennel Pourback  A4-1170 Add Cure / Hardener / Sealer  A4-1180 Place Reinforcing Steel @ Trench Drain	1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 20-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 23-Jul-18 20-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Form 18" Concrete Mat Slab  Pre-Pour Inspection 18" Mat Slab On-Grade  Place & Finish 18" Concrete Mat Slab  Set-Up/Form Trench Drain Kennel Pourback  Add Cure / Hardener / Sealer  Place Reinforcing Steel @ Trench Drain
	A4-1090 Layout & Set Reinforcing Steel Template  A4-1295 Set Embeds & AB's  A4-1650 Set ABs, HDs, HSS Column Bolts  A4-1120 Inspection - Reinforcing Steel  A4-1130 Form 18" Concrete Mat Slab  A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade  A4-1150 Place & Finish 18" Concrete Mat Slab  A4-1160 Set-Up/Form Trench Drain Kennel Pourback  A4-1170 Add Cure / Hardener / Sealer  A4-1180 Place Reinforcing Steel @ Trench Drain  A4-1190 Inspection - Reinforcing Steel	1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 24-Jul-18 25-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 23-Jul-18 24-Jul-18 25-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Pre-Pour Inspection 18" Mat Slab On-Grade  Place & Finish 18" Concrete Mat Slab  Set-Up/Form Trench Drain Kennel Pourback  Add Cure / Hardener / Sealer  Place Reinforcing Steel
	A4-1090 Layout & Set Reinforcing Steel Template  A4-1295 Set Embeds & AB's  A4-1650 Set ABs, HDs, HSS Column Bolts  A4-1120 Inspection - Reinforcing Steel  A4-1130 Form 18" Concrete Mat Slab  A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade  A4-1150 Place & Finish 18" Concrete Mat Slab  A4-1160 Set-Up/Form Trench Drain Kennel Pourback  A4-1170 Add Cure / Hardener / Sealer  A4-1180 Place Reinforcing Steel @ Trench Drain  A4-1190 Inspection - Reinforcing Steel  A4-1200 Place & Finish Trench Drain Pour Back	1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 24-Jul-18 25-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 23-Jul-18 24-Jul-18 25-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Form 18" Concrete Mat Slab  Pre-Pour Inspection 18" Mat Slab On-Grade  Place & Finish 18" Concrete Mat Slab  Set-Up/Form Trench Drain Kennel Pourback  Add Cure / Hardener / Sealer  Place Reinforcing Steel @ Trench Drain  Inspection - Reinforcing Steel  Place & Finish Trench Drain Pour Back
	A4-1090 Layout & Set Reinforcing Steel Template  A4-1295 Set Embeds & AB's  A4-1650 Set ABs, HDs, HSS Column Bolts  A4-1120 Inspection - Reinforcing Steel  A4-1130 Form 18" Concrete Mat Slab  A4-1140 Pre-Pour Inspection 18" Mat Slab On-Grade  A4-1150 Place & Finish 18" Concrete Mat Slab  A4-1160 Set-Up/Form Trench Drain Kennel Pourback  A4-1170 Add Cure / Hardener / Sealer  A4-1180 Place Reinforcing Steel @ Trench Drain  A4-1190 Inspection - Reinforcing Steel	1 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 2	13-Jul-18 13-Jul-18 13-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 24-Jul-18 25-Jul-18	13-Jul-18 16-Jul-18 16-Jul-18 17-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 23-Jul-18 24-Jul-18 25-Jul-18		Set Embeds & AB's  Set ABs, HDs, HSS Column Bolts  Inspection - Reinforcing Steel  Pre-Pour Inspection 18" Mat Slab On-Grade  Place & Finish 18" Concrete Mat Slab  Set-Up/Form Trench Drain Kennel Pourback  Add Cure / Hardener / Sealer  Place Reinforcing Steel

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ID	ACTIVITY NAME	ORG DUR		START	FINISH	M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D 2 1 J 2 1 D 2 1 J 2 1 J 2 1 J 2 1 J 2 1 J 2 1 D 2 1 D 2 J 2 1 I 3 2 1 D 1 D 2 2 1 D 2 1 2 1 D 2
A4-1230	Layout CMU Wall Openings	1	1	27-Jul-18	27-Jul-18	I Layout CMU Wall Ópenings
A4-1240	Place CMU Vertical Reinforcing Steel	2	2	30-Jul-18	31-Jul-18	
A4-1250	Inspection - Reinforcing Steel	1	1	01-Aug-18	01-Aug-18	I Inspection - Reinforcing Steel
A4-1260	Install Mechanical In-Wall Rough-In	4	4	02-Aug-18	07-Aug-18	☐ Install Mechanical In-Wall Rough-In
	Install Plumbing In-Wall Rough In	4	4	02-Aug-18	07-Aug-18	☐ Install Plumbing In-Wall Rough In
	Install Electrical In-Wall Rough In	4	4	02-Aug-18	07-Aug-18	☐ Install Electrical In-Wall Rough In
	Set 8" CMU Wall (High Lift)	8	8	02-Aug-18	13-Aug-18	Set 8" CMU Wall (High Lift)
	Grout 8" CMU Wall (High Lift)	1	1	02-Aug-18	02-Aug-18	Grout 8" CMU Wall (High Lift)
	Layout 6" CMU Screen Walls	1	1	02-Aug-18	02 Aug-18	Layout 6" CMU Screen Walls
	Set Trench Drain Body and Grate	3	1	-	07-Aug-18	Set Trench Drain Bodyland Grate
	•		3	03-Aug-18		☐ Drill & Dowel 18" Mat Slab at 6" CMU Screen Walls
	Drill & Dowel 18" Mat Slab at 6" CMU Screen Walls	2	4	03-Aug-18	06-Aug-18	
	Layout CMU Wall Openings	1	1	03-Aug-18	03-Aug-18	I Layout CMU Wall Openings
	Place CMU Verticall Reinforcing Steel	2	2	07-Aug-18	08-Aug-18	Place CMU Verticall Reinforcing Steel
	Rough In Inspection	1	1	08-Aug-18	08-Aug-18	I Rough In Inspection
A4-1370	Inspection - Reinforcing Steel	1	1	09-Aug-18	09-Aug-18	I Inspection - Reinforcing Steel
A4-1380	Set 6" CMU Wall (High Lift)	10	10	10-Aug-18	23-Aug-18	Set 6"CMU Wall (High Lift)
A4-1410	Layout and Set Pre-Fabricated Roof Trusses	3	3	10-Aug-18	14-Aug-18	■ Layout and Set Pre-Fabricated Roof Trusses
A4-1420	Hoist/Spread & Fasten Roof Deck Sheer Ply	3	3	15-Aug-18	17-Aug-18	■ Hoist/Spread & Fasten Roof Deck/Sheer Ply
A4-1440	Layout & Cut Sheer-Ply Deck Openings (MEP)	1	1	20-Aug-18	20-Aug-18	I Layout & Cut Sheer-Ply Deck Openings (MEP)
A4-1450	Layout & Cut Sheer-Ply Deck Openings (Skylights)	2	2	20-Aug-18	21-Aug-18	Layout & Cut Sheer-Ply Deck Openings (Skylights)
A4-1470	Install Fire Sprinkler O/H Rough-In	5	5	22-Aug-18	28-Aug-18	□ Install Fire \$prinkler O/H;Rough-In
A4-1480	Install Mechanical O/H Rough In	5	5	22-Aug-18	28-Aug-18	☐ Install Mechanical O/H Rough In
A4-1490	Install Plumbing O/H Rough In	5	5	22-Aug-18	28-Aug-18	□ Install Plumbing O/H Rough In
	Install Electrical O/H Rough In	5	5	22-Aug-18	28-Aug-18	☐ Install Electrical O/H Rough In
	Grout 6" CMU Wall (High Lift)	1	1	24-Aug-18	24-Aug-18	I Grout 6" CMU Walf (High Lift)
	Prep & Place Epoxy Flooring & Cove Base	2	2	24-Aug-18	27-Aug-18	□ Prep & Place Epoxy Flooring & Cove Base
	Breakdown/Remove Scaffolding	1	1	27-Aug-18	27-Aug-18	I Breakdown/Remove Scaffolding
	Install Perimeter Kennel Fencing Posts and Gates	3	2	-	30-Aug-18	I Install Perinteter Kennel Fencing Posts and Gates
	•	-	1	28-Aug-18		
	Inspections - Mechanical	1	1	29-Aug-18	29-Aug-18	I Inspections - Mechanical
	Install Perimeter Kennel Fencing Panels	3	3	31-Aug-18	05-Sep-18	□ Install Perimeter Kennel Fencing Panels
	Install Fabricated Dog Kennel & Guilatine Doors	5	5	06-Sep-18	12-Sep-18	☐ Install Fabricated Dog Kennel & Guilatine Doors
	Install Acoustical Ceiling Grid System	2	2		14-Sep-18	I Install Acoustical Ceiling Grid System
	Install Fire Sprinkler Drops	2	2		18-Sep-18	■ Install Fire Sprinkler Drops
A4-1570	Install Mechanical Vents & Grilles	1	1	17-Sep-18	17-Sep-18	I Install Mechanical Vents & Grilles
A4-1580	Install Light Fixtures	2	2	17-Sep-18	18-Sep-18	<b>0</b> Install Light Fixtures
A4-1590	Install Acoustical Ceiling Tiles	2	2	19-Sep-18	20-Sep-18	I Install Acoustical Ceiling Tiles
A4-1610	Install MEP Trim Out	3	3	21-Sep-18	25-Sep-18	□ Install MEP Trim Out
A4-1550	Prep & Epoxy Paint CMU Walls	2	2	25-Sep-18	26-Sep-18	I Prep & Epoxy Paint CMU Walls
A4-1620	Worklist & Corrections	5	5	26-Sep-18	02-Oct-18	□ Worklist & Corrections
A4-1600	CFCI Installations; FEC's, FF&E, etc.	2	2	27-Sep-18	28-Sep-18	I/ CFCI Installations; FEC's, FF&E, etc.
A4-1630	A&E Punchlist	5	5	01-Oct-18	05-Oct-18	□ A&E Punchlist
A4-1640	Punch List Corrections	5	5	08-Oct-18	12-Oct-18	D Punch List Corrections
Main Building		163	163		13-Mar-19	
	ng Areas 1 - 3 Interior Rough Ins	112	112		27-Dec-18	
	Layout Interior/Exterior Walls (Wood Framed, CMU)	6	6	18-Jul-18	25-Jul-18	■ Layout Interior/Exterior Walls (Wood Framed, CMU)
	Layout & Erect HSS Steel Columns	3	2	20-Jul-18	24-Jul-18	Layout Interior Patrieu, Civio)
	Hoist and Set Pre-Fabricated Wood Framed Walls	-	10			
		10	10	26-Jul-18	08-Aug-18	Hoist and Set Pre-Fabricated Wood Framed Walls
	Plumb and Line Wood Framed Walls	6	6	09-Aug-18	16-Aug-18	Plumb and Line Wood Framed Walls
	Install Framing Hold Downs	6	6	17-Aug-18	24-Aug-18	■ Install Framing Hold Downs
	Brace Wood Framed Walls	6	6	17-Aug-18	24-Aug-18	■ Brace Wood Framed Walls
A1-3RI-1	Erect & Set Dimensional Wood Structural Beam and W.F. Ste	6	6	27-Aug-18	04-Sep-18	■ Erect & Set Dimensional Wood Structural Beam and W.F. Steel Beams
A1-3RI-1	Inspections - Rough Framing	3	3	05-Sep-18	07-Sep-18	■ Inspections - Rough Framing
A1-3RI-1	Hoist and Set Pre-Fabricated Wood Truss Members	10	10	10-Sep-18	21-Sep-18	Hoist and Set Pre-Fabricated Wood Truss Members
A1-3RI-1	Wood Framed In-Wall Blocking and Backing (Cabinets, Fire E	10	10	10-Sep-18	21-Sep-18	■ Wood Framed In-Wall Blocking and Backing (Cabinets, Fire Ext., Marker Boards, Toilet Ar
A1-3RI-1	Hoist and Set Pre-Fabricated I-Joist Ceiling Framing Members	6	6	24-Sep-18	01-Oct-18	■ Hoist and \$et Pre-Fabricated I-Joist Ceiling Framing Members
						the state of the s

PRINTED : 05-Apr-18 16:48 Data Date:30-Mar-18 Page 8 of 17 Remaining Level of Effort

Actual Level of Effort

Actual Work

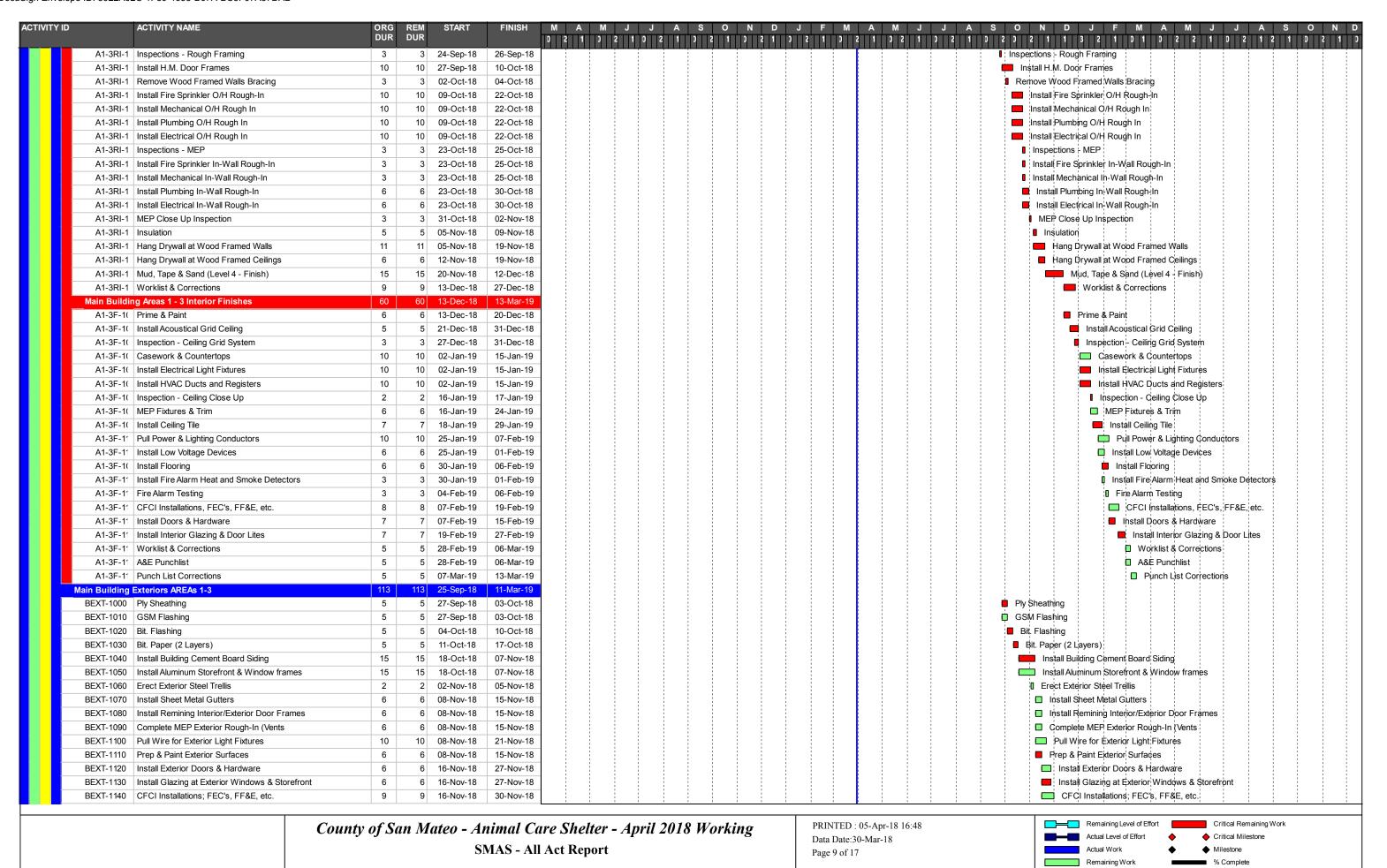
Remaining Work

Critical Remaining

Milestone

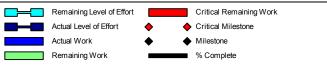
Milestone

% Complete



'ID	,	ACTIVITY NAME	ORG DUR		START	FINISH	A S O N D J F M A M J J A S O N D J F M A M J J A S
DE	TVT 4450	Install MED Estados Eigishos			40 Nov. 40	07 Nov. 40	
		Install MEP Exterior Finishes	6	6	.0 .101 .0	27-Nov-18	☐ Install MEP Exterior Finishes
		Install Exterior Light Fixtures	9	9	16-Nov-18	30-Nov-18	Install Exterior Light Fixtures
		Install Exterior PA & Surveillance	6	6	16-Nov-18	27-Nov-18	☐ Install Exterior PA & Surveillance
		Worklist & Corrections	5	5	03-Dec-18	07-Dec-18	□ Worklist & Corrections
		A&E Punchlist	5	5	10-Dec-18	14-Dec-18	A&E Punchlist
		Punch List Corrections	5	5	17-Dec-18	21-Dec-18	□ Punch List Corrections
		g Areas 1 - 3 Roofing	113		25-Sep-18		
			10		25-Sep-18	08-Oct-18	Hoist/Spread & Fasten Roof Deck Sheer Ply @ Shingle & TPO
		Layout & Cut Sheer-Ply Deck Openings (MEP)@ Shingle & Tl	5	5	01 000 10	10-Oct-18	■ Layout & Cut Sheer-Ply Deck Openings (MEP)@ Shingle & TPO
		Install Roof Drains - TPO Roofing	3	3	09-Oct-18	11-Oct-18	Install Roof Drains - TPO Roofing
-		Layout & Cut Sheer-Ply Deck Openings (Skylights)@ Shingle	3	3		12-Oct-18	■ Layout & Cut Sheer-Pty Deck Openings (Skylights)@ Shingle & TPO
	BRF-1040 I	Layout & Frame Structural Curbs for MEP Equipment	10	10	11-Oct-18	24-Oct-18	Layout & Frame Structural Curbs for MEP Equipment
	BRF-1050 I	Layout & Frame Roof Hatch Curbs	5	5	11-Oct-18	17-Oct-18	■ Layout & Frame Roof Hatch Curbs
	BRF-1060 I	Layout & Frame Skylight Curbs	5	5	15-Oct-18	19-Oct-18	■ Layout & Frame Skylight Curbs
		Dry-In Roof Decking [Felt] @ Asphalt Shingles	3	3	25-Oct-18	29-Oct-18	■ Dry-In Roof Decking [Felt] @ Asphalt Shingles
	BRF-1080 I	Install Architectural Sheetmetal & Flashings	6	6	25-Oct-18	01-Nov-18	☐ Install Architectural Sheetmetal & Flashings
	BRF-1090 I	Install TPO Roof Membrane Insulation and Cricket	3	3	25-Oct-18	29-Oct-18	■ Install TPO Roof Membrane Insulation and Cricket
	BRF-1100 I	Install Asphalt Shingles	6	6	26-Oct-18	02-Nov-18	☐ Install Asphalt Shingles
	BRF-1110 I	Install TPO Roof Membrane System	6	6	30-Oct-18	06-Nov-18	■ Install TPO Roof Membrane System
	BRF-1120	Set Mechanical Roof-Top Units	3	3	07-Nov-18	09-Nov-18	■ Set Mechanical Roof-Top Units
	BRF-1130 I	Install Skylight	6	6	07-Nov-18	14-Nov-18	□ Install Skylight
	BRF-1140 I	Install Roof Hatch	3	3	07-Nov-18	09-Nov-18	
	BRF-1150 I	Install Roof Top Mechanical [Plumbing & HVAC/Sheetmetal] @	6	6	12-Nov-18	19-Nov-18	☐ Install Roof Top Mechanical [Plumbing & HVAC/Sheetmetal] @ TPO
	BRF-1160 I	Install Roof Top Electrical [Conduit]	6	6	12-Nov-18	19-Nov-18	☐ [nstall Roof Top Electrical [Conduit]
	BRF-1170 I	HVAC Controls	4	4	12-Nov-18	15-Nov-18	■ HVAC Controls
		Install Roof Top Electrical [Disconnects]	6	6	20-Nov-18	29-Nov-18	Install Roof Top Electrical [Disconnects]
		Install MEP Pipe Supports	3	3	20-Nov-18	26-Nov-18	☐ Install MEP Pipe Supports
		Equipment Start-Up	5	5	14-Feb-19	21-Feb-19	■ Equipment Start-Up
		Worklist & Corrections	6	6	22-Feb-19	01-Mar-19	☐ Worklist & Corrections
		A&E Punchlist	6	6	22-Feb-19	01-Mar-19	□ A&E/Punchlist
		Punch List Corrections	6	6		11-Mar-19	□ Punch List Corrections
	tenance Sh		69		21-Aug-18	28-Nov-18	T their Lat confections
		Erect Pre-Manufactured Building [Shell]	8	8		30-Aug-18	☐ Erect Pre-Manufactured Building [Shell]
		<u> </u>		3		05-Sep-18	Layout and Frame Interior Wood Walls [Incld Backing/Blocking]
		Layout and Frame Interior Wood Walls [Incld Backing/Blockin	3	3	0.7.09.0		
		Inspection - Framing	1	1	06-Sep-18	06-Sep-18	I Inspection - Framing
		MEP OH/Rough-IN	2	_	07-Sep-18	10-Sep-18	□ MEP OH/Rough-IN
		Fire Sprinkler OH/Rough-In	2	2	07-Sep-18	10-Sep-18	☐ Fire Sprinkler OH/Rough-In
		MEP In-Wall Rough-IN	1	1	07-Sep-18	07-Sep-18	I MEP In-Wall Rough-IN
		Fire Alarm In-Wall Rough-In	1	1	07-Sep-18	07-Sep-18	I Fire Alarm In-Wall Rough-In
		Inspection - MEP & Fire Rough-Ins	1	1	11-Sep-18	11-Sep-18	I Inspection - MEP & Fire Rough-Ins
		Electrical Disconnect at Interior Mechanical Unit	1	1	11-Sep-18	11-Sep-18	I Electrical Disconnect at Interior Mechanical Unit
		Pour/Set Concrete Housekeeping Pad	2	2		13-Sep-18	Pour/Set Concrete Housekeeping Pad
MI	NT-1100 I	Install MDO/Plywood Wall Sheets	2	2	12-Sep-18	13-Sep-18	
MI	NT-1110	Set Exterior Mechanical Unit	1	1	14-Sep-18	14-Sep-18	I Set Exterior Mechanical Unit
MI	NT-1120 I	Install H.M. Door Frames	1	1	14-Sep-18	14-Sep-18	I Install H.M. Door Frames
MI	NT-1130 E	Electrical Disconnect at Exterior Mechanical Unit	1	1	17-Sep-18	17-Sep-18	l Electrical Disconnect at Exterior Mechanical Unit
MI	NT-1140 I	Install H.M. Doors and Hardware	2	2	17-Sep-18	18-Sep-18	<b>I</b> Install H.M. Doors and Hardware
MI	NT-1150 I	Install Steel Roll-Up Doors	2	2	19-Sep-18	20-Sep-18	I Install Steel Roll-Up Doors
MI	NT-1160 F	Prime & Paint	2	2	19-Sep-18	20-Sep-18	I Prime & Paint
MI	NT-1170 I	Install Low Voltage Devices	1	1	21-Sep-18	21-Sep-18	I Install Low Voltage Devices
		Casework & Countertops	2	2	· · · · · · · · · · · · · · · · · · ·	24-Sep-18	□ Casework & Countertops
		CFCI Installations; FEC's, FF&E, etc.	2	2	· · · · · · · · · · · · · · · · · · ·	26-Sep-18	I CFCI Installations; FEC's, FF&E, etc.
		Install Electrical Light Fixtures	2	2		26-Sep-18	I Install Electrical Light Fixtures
		Install HVAC Ducts & Registers	2	2	•	26-Sep-18	I Install HVAQ Ducts & Registers
		Install Fire Alarm Heat and Smoke Detectors	1	1	25-Sep-18	25-Sep-18	I Install Fire Alarm Heat and Smoke Detectors
IVII	141-122U I	motair inc Alaimi nicat and omore Detectors	1	1	20-0 <del>c</del> p-10	20-0ch-10	THIStain HE Mattil Fleat and Shoke Detectors

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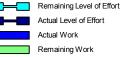
ACTIVITY ID	ACTIVITY NAME	ORG DUR		START	FINISH	M A M	J J .	A S O	N D J F M	1 A M J J A 2 1 D 2 1	S O 2 0 2	N D J F M A M J J A S O N D 2 1 1 3 2 1 0 1 0 2 2 1 0 2 1 2 1 0 2 1 0
	MNT-1230 Fire Alarm Testing	1	1	26-Sep-18	26-Sep-18	1	*************	********	<del></del>		I Fire Al	larm Testing:
	MNT-1240 Worklist & Corrections	3		27-Sep-18	01-Oct-18						1 1	klist & Corrections
	MNT-1250 A&E Punchlist	3		27-Sep-18	01-Oct-18						: :	Punchlist
	MNT-1260 Punch List Corrections	3		26-Nov-18	28-Nov-18						Ī	Punch List Corrections
S	Specialty Rooms	115										
	Multipurpose Room / Restrooms (Rooms 110A & 110B)	21		20-Nov-18								
	MPR-10( Hang Drywall (Walls & Ceiling)	2	2	20-Nov-18	21-Nov-18							Hang Drywall (Walls & Ceiling)
	MPR-10 Mud, Tape & Sand [Level 4 Finish]	4	4	26-Nov-18	29-Nov-18							Mud, Tape & Sand [Level 4 Finish]
	MPR-10/ Prime & Paint	2	2	30-Nov-18	03-Dec-18							Prime & Paint
	MPR-10: MEP Fixtures & Trim	1	1	04-Dec-18	04-Dec-18							MEP Fixtures & Trim
	MPR-104 Install Ceramic Tile w/Epoxy Grout [Floor & Walls]	5	5	04-Dec-18	10-Dec-18							■ Install Ceramic Tile w/Epoxy Grout [Floor & Walls]
	MPR-10! CFCI Installations; Casework, FEC's, FF&E, etc.	2	2	11-Dec-18	12-Dec-18							CFCI Installations; Casework, FEC's, FF&E, etc.
	MPR-10t Install Plumbing Fixtures and Trim	2	2	11-Dec-18	12-Dec-18							I Install Plumbing Fixtures and Trim
	MPR-10: Install Toilet Partitions	1	1	11-Dec-18	11-Dec-18							I Install Toilet Partitions
	MPR-108 Install Toilet Accessories [Recessed & Semi-Recessed]	1	1	11-Dec-18	11-Dec-18							I Install Tollet Accessories [Recessed & Semi-Recessed]
	MPR-10! Install Fire Alarm Heat and Smoke Detectors	1	1	11-Dec-18	11-Dec-18	1						I Install Fire Alarm Heat and Smoke Detectors
	MPR-11( Worklist & Corrections	3	3	13-Dec-18	17-Dec-18	1						☐ Worklist & Corrections
	MPR-111 A&E Punchlist	3	3	13-Dec-18	17-Dec-18	1						A&E Punchlist
	MPR-112 Punch List Corrections	3	3	18-Dec-18	20-Dec-18							Punch List Corrections
	Feline / Exotics Kitchen (Room 403)	25		20-Nov-18	28-Dec-18							
	KIT-1000 Hang Drywall (Walls & Ceiling)	2		20-Nov-18	21-Nov-18							I Hang Drywall (Walls & Ceiling)
	KIT-1010 Mud, Tape & Sand [Level 4 Finish]	4	4	26-Nov-18	29-Nov-18							Mud, Tape & Sand [Level 4 Finish]
	KIT-1020 Prime & Paint	2	2	30-Nov-18	03-Dec-18							☐ Prime & Paint
	KIT-1030 MEP Fixtures & Trims	1	1	04-Dec-18	04-Dec-18							I MEP Fixtures & Trims
	KIT-1040 Install Epoxy Resinous Flooring w/Cove Base	3	3	05-Dec-18	07-Dec-18							■ Install Epoxy Resinous Flooring w/Cove Base
	KIT-1050 Install F.R.P. at All Wall Surfaces	1	1	10-Dec-18	10-Dec-18							I Install F.R.P. at All Wall Surfaces
	KIT-1060 Install Plastic Laminate Casework	2	2	11-Dec-18	12-Dec-18							I Install Plastic Laminate Casework
	KIT-1070 Install Stainless Steel Countertops	1	1	11-Dec-18	11-Dec-18							I Install Stainless Steel Countertops
	KIT-1080 Install Stainless Steel Shelving	1	1	11-Dec-18	11-Dec-18							I Install Stainless Steel Shelving
	KIT-1090 CFCI Installations; FEC's, FF&E, etc.	2	2	11-Dec-18	12-Dec-18							
	KIT-1100 Install Stainless Steel Sinks & Faucets	1	1	13-Dec-18	13-Dec-18							I Install Stainless Steel Sinks & Faucets
	KIT-1110 Install Plumbing Fixtures and Trim	2	2	14-Dec-18	17-Dec-18							Install Plumbing Fixtures and Trim
	KIT-1120 Install Fire Alarm Heat and Smoke Detectors	1	1	18-Dec-18	18-Dec-18							I Install Fire Alarm Heat and Smoke Detectors
	KIT-1130 Install Refrigerators & Trash Cans	1	1	18-Dec-18	18-Dec-18							I Install Refrigerators & Trash Cans
	KIT-1140 Worklist & Corrections	3	3	19-Dec-18	21-Dec-18							Worklist & Corrections
	KIT-1150 A&E Punchlist	3	3	19-Dec-18	21-Dec-18							A&E Punchlist
	KIT-1160 Punch List Corrections	3	3	26-Dec-18	28-Dec-18							Punch List Corrections
	Walk-In Cooler - (Room 409A)	16	16	23-Oct-18	13-Nov-18							
	WIC-1000 MEP OH/Rough-IN	1	1	23-Oct-18	23-Oct-18						1	MEP ØH/Rough-IN
	WIC-1010 Fire Sprinkler OH/Rough-In	1	1	23-Oct-18	23-Oct-18	]					1	Fire Sprinkler OH/Rough-In
	WIC-1020 Install Prefab Wall in Cooler	5	5	24-Oct-18	30-Oct-18							Install Prefab Wall in Cooler
	WIC-1030 Install Low Voltage Devices	1	1	31-Oct-18	31-Oct-18							Install Low Voltage Devices
	WIC-1040 Install Electrical Light Fixtures (Inside Cooler)	2	2	31-Oct-18	01-Nov-18						i	Install Electrical Light Fixtures (Inside Cooler)
	WIC-1050 Install HVAC Grilles & Vents (Exhaust from Built-in unit)	1	1	31-Oct-18	31-Oct-18							Install HVAC Grilles & Vents (Exhaust from Built in unit)
	WIC-1060 CFCI Installations; FEC's, FF&E, etc. (Wire Rack)	2	2	01-Nov-18	02-Nov-18							CFCI Installations; FEC's, FF&E, etc. (Wire Rack)
	WIC-1070 Install Fire Alarm Heat and Smoke Detectors	1	1	05-Nov-18	05-Nov-18							I Install Fire Alarm Heat and Smoke Detectors
	WIC-1080 Worklist & Corrections	3	3	06-Nov-18	08-Nov-18							Worklist & Corrections
	WIC-1090 A&E Punchlist	3	3	06-Nov-18	08-Nov-18							A&E Punchlist
	WIC-1100 Punch List Corrections	3	3	09-Nov-18	13-Nov-18						1 1	☐ Punch List Corrections
	Staff - Restrooms (Rooms 509A & 509B)	69	69	10-Sep-18	17-Dec-18							
	STF-1000 Misc. Framing & Backing	1	1		10-Sep-18						1 1	ıming & Backing
	STF-1010 Inspection - Framing	1	1	11-Sep-18	11-Sep-18						1.5	n - Framing
	STF-1020 MEP OH/Rough-IN	2	2	12-Sep-18	13-Sep-18						I MEP OH	
	STF-1030 Fire Sprinkler OH/Rough-In	1	1	14-Sep-18	14-Sep-18							nkler OH/Rough-In
	STF-1040 Inspection - Closeup Wall	1	1	17-Sep-18	17-Sep-18			<u> </u>			I Inspecti	on - Closeup Wall
			7 14	T , 4	. 10	rua Chaltau	4 21 20	10 III 1 ·	DDINTER	) · 05-Apr-18 16·48		Remaining Level of Effort Critical Remaining Work

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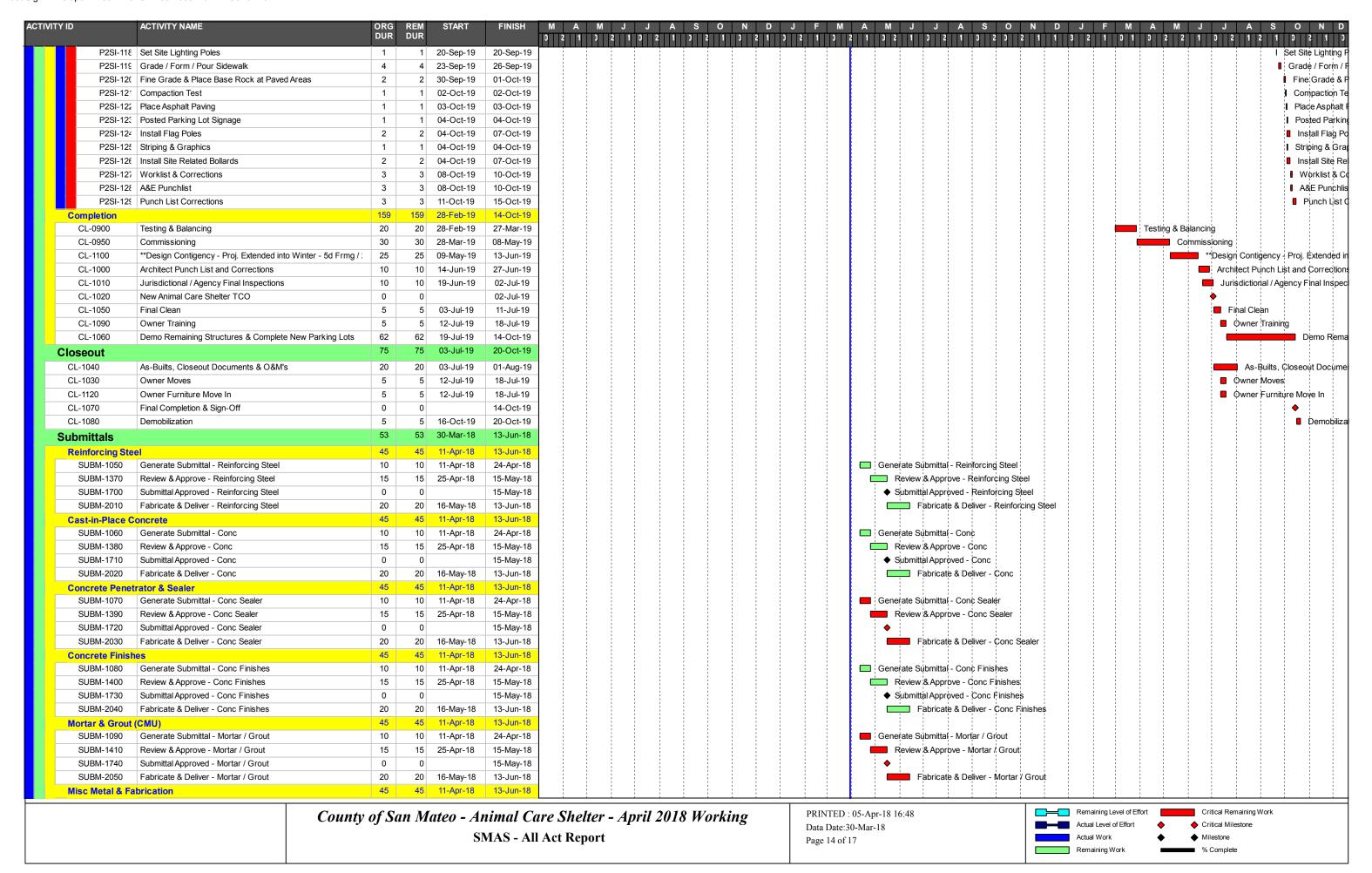
TY ID ACTIVITY NAME	ORG REM START DUR DUR	FINISH M A M J J A S O N D		) N D J F M A M J J A S O
STF-1050 Insulation	1 1 12-Nov-18	12-Nov-18		I Insulation
STF-1060 Hang Drywall (Walls & Ceiling)	2 2 13-Nov-18			Hang Drywall (Walls & Ceiling)
STF-1000 Hally Drywall (Walls & Celling)  STF-1070 Mud, Tape & Sand [Level 4 Finish]	5 5 15-Nov-18			Mud, Tape & Sand [Level 4 Finish]
STF-1080 Prime & Paint	2 2 26-Nov-18			Prime & Paint
STF-1090 Install Low Voltage Devices	1 1 28-Nov-18			I Install Low Voltage Devices
STF-1100 Install Electrical Light Fixtures	2 2 28-Nov-18			I Install Electrical Light Fixtures
STF-1110 Install HVAC Grilles & Vents	1 1 28-Nov-18			I Install HVAC Grilles & Vents
STF-1120 Install Fire Alarm Heat and Smoke Detectors	1 1 28-Nov-18			I Install Fire Alarm Heat and Smoke Detectors
STF-1130 Install Ceramic Tile w/Epoxy Grout [Floor & V	•			■ Install Ceramic Tile w/Epoxy Grout [Floor & Walls]
STF-1140 CFCI Installations; Casework, FEC's, FF&E				CFCI Installations; Casework, FEC's, FF&E,Lockers, etc.
STF-1150 Install Plumbing Fixtures and Trim	2 2 06-Dec-18			Install Plumbing Fixtures and Trim
STF-1160 Install Toilet Partitions	2 2 06-Dec-18			Install Toilet Partitions
STF-1170 Install Toilet Accessories [Recessed & Semi-	-			Install Toilet Accessories [Recessed & Serni-Recessed]
STF-1180 Worklist & Corrections	3 3 10-Dec-18			Worklist & Corrections
STF-1190 A&E Punchlist	3 3 10-Dec-18			A&E Punchlist
STF-1200 Punch List Corrections	3 3 13-Dec-18	17-Dec-18		Punch List Corrections
Laundry Room (Rooms 404 & 608)	89 89 27-Sep-18	06-Feb-19		
LR-1000 Misc. Framing & Backing	1 1 27-Sep-18	27-Sep-18	I Mi	sc Framing & Backing
LR-1010 MEP OH/Rough-IN	3 3 28-Sep-18	02-Oct-18		IEP OH/Rough-IN
LR-1020 Fire Sprinkler OH/Rough-In	2 2 28-Sep-18	01-Oct-18	Ů.F	ire Sprinkler OH/Rough-In
LR-1030 MEP In-Wall Rough-IN	2 2 28-Sep-18	01-Oct-18	<b>0</b> N	IEP In-Wall Rough-IN
LR-1040 Inspection - Closeup Wall	1 1 03-Oct-18	03-Oct-18	1 1	nspection - Closeup Wall
LR-1050 Insulation	1 1 04-Oct-18	04-Oct-18		nsulation
LR-1060 Hang Drywall (Walls & Ceiling)	3 3 05-Oct-18	09-Oct-18		Hang Drywall (Walls & Ceiling)
LR-1070 Mud, Tape & Sand [Level 4 Finish]	5 5 10-Oct-18			Mud, Tape & Sand [Level 4 Finish]
LR-1080 Prime & Paint	2 2 17-Oct-18			Prime & Paint
LR-1090 Instal F.R.P. to 48" A.F.F. (Room 404)	1 1 19-Oct-18			I Instal F.R.P. to 48" A.F.F. (Room 404)
LR-1100 Install F.R.P. to Underside of Ceiling [Room 6				Install F.R.P. to Underside of Ceiling [Room 608]
LR-1110 Install Low Voltage Devices	1 1 22-Oct-18			I Install Low Voltage Devices
LR-1120 Install Acoustical Ceiling Grid	1 1 23-Oct-18			Install Acoustical Ceiling Grid
LR-1130 Install Electrical Light Fixtures	1 1 24-Oct-18			I Install Electrical Light Fixtures
LR-1140 Install HVAC Grilles & Vents	2 2 24-Oct-18			I Install HVAC Grilles & Vents
LR-1150 Install Plumbing Fixtures and Trim	2 2 24-Oct-16			Install Plumbing Fixtures and Trim
LR-1160 CFCI Installations; FEC's, FF&E, etc.	2 2 24-Oct-18			CFCI Installations; FEC's, FF&E, etc.
LR-1170 Install Acoustical Ceiling Tiles	1 1 26-Oct-18			I Install Acoustical Ceiling Tiles
LR-1180 Install Fire Alarm Heat and Smoke Detectors	1 1 29-Oct-18			I Install Fire Alarm Heat and Smoke Detectors
LR-1190 A&E Punchlist	3 3 15-Jan-19			A&E Punchlist
LR-1200 Worklist & Corrections	3 3 30-Jan-19			■ Worklist & Corrections
LR-1210 Punch List Corrections	3 3 04-Feb-19			Punch List Corrections
Electrical Room (Room 812)	43 43 21-Dec-18			
ER-1000 Pour House Keeping Pads	2 2 21-Dec-18			Pour House Keeping Pads
ER-1010 Set Panels	3 3 27-Dec-18	31-Dec-18		Set Panels
ER-1020 Pull Feeder Wire	2 2 02-Jan-19	03-Jan-19		I Pull Feeder Wire
ER-1030 Rough In Panels	3 3 04-Jan-19	08-Jan-19		■ Rough In Panels
ER-1040 MEP Trim Out	3 3 09-Jan-19	11-Jan-19		■ MEP Trim Out
ER-1050 PG&E - Inspect Electrical Room	1 1 14-Jan-19	14-Jan-19		I PG&E - Inspect Electrical Room
ER-1060 Install Low Voltage Devices	1 1 14-Jan-19	14-Jan-19		I Install Low Voltage Devices
ER-1070 PG&E - Set Meter	10 10 15-Jan-19	29-Jan-19		PG&E - Set Meter
ER-1080 PG&E - Energize	10 10 30-Jan-19	12-Feb-19		PG&E - Energize
ER-1090 PG&E - Acceptance Testing	1 1 13-Feb-19			I PG&E - Acceptance Testing
ER-1100 CFCI Installations; FEC's, FF&E, etc.	2 2 14-Feb-19			CFCI Installations; FEC's, FF&E, etc.
ER-1110 Worklist & Corrections	3 3 19-Feb-19			Worklist & Corrections
ER-1120 A&E Punchlist	3 3 19-Feb-19			A&E Runchlist
ER-1130 Punch List Corrections	3 3 22-Feb-19			Punch List Corrections
Mechanical Room (Room 806)	14 14 21-Dec-18			a ranon Lot Concolorio
mechanical result (Result 800)	- 14 21-Dec-10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	County of San Mateo - A	Inimal Care Shelter - April 2018 Working	PRINTED : 05-Apr-18 16:48	Remaining Level of Effort Critical Remaining Work
		1	Data Date:30-Mar-18	Actual Level of Effort

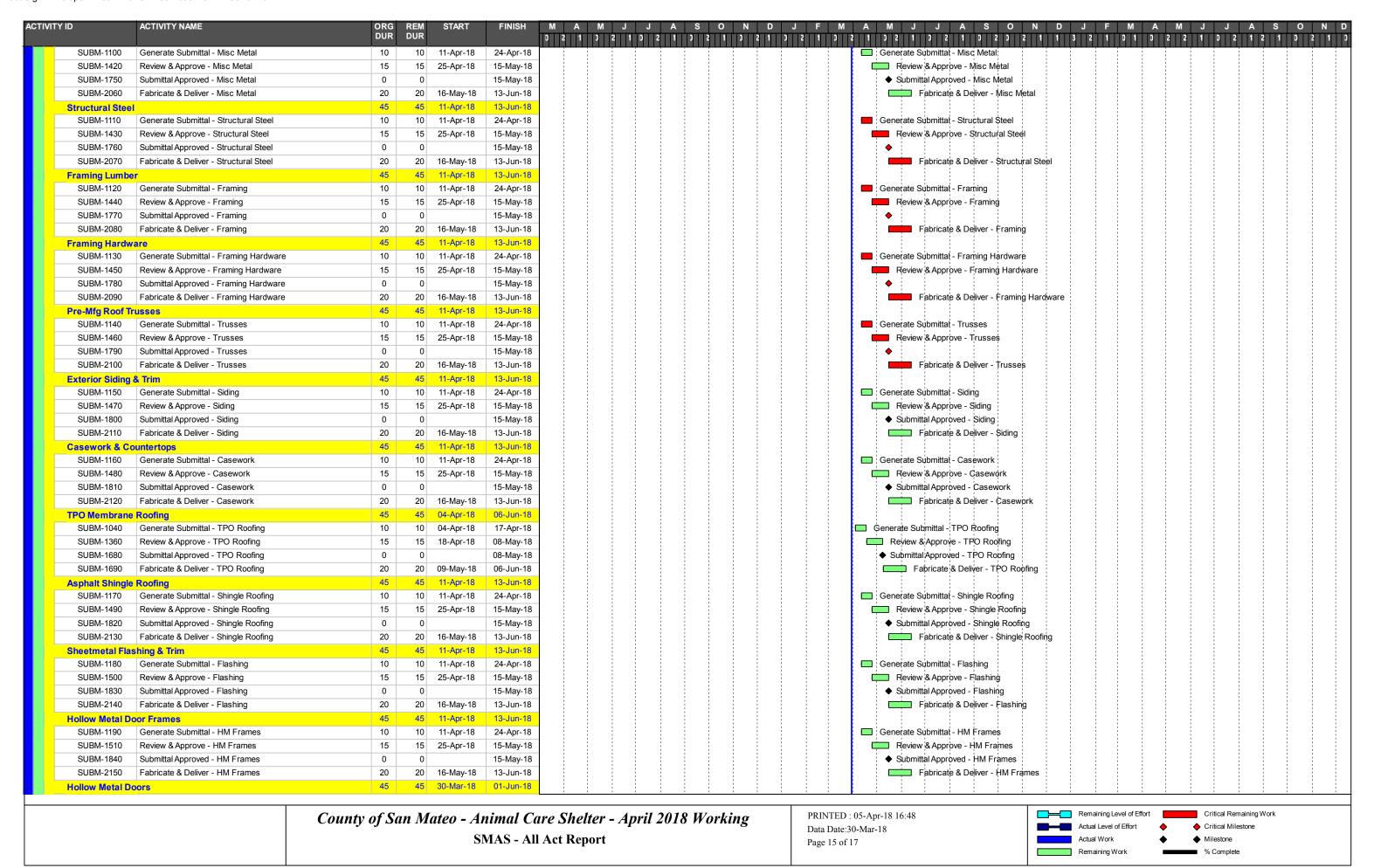
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Fig. 20   Fig. 12   Fig. 20   Fig.			2 2	2 21-Dec-18	26-Dec-18		Pour Housekeeping Pads
14   10   10   10   10   10   10   10	TO TO THIS WILL LOW VOILLAGE DEVINES						
Set Subscored Displaces National Set			1				
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19-10-10   Circle and Proceedings   7   Colored   School   Colored   Color	• • • • • • • • • • • • • • • • • • • •	-					
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1							I Install Low Valtage Devisor
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Note   College							
19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1-19   19-1							
Test Color Control Facility   Control Facility   Color Col			•				
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Re-1702   Terrorate Colling	9		•				
Include   Control   The Property			•				
Technology   Consess AAT Convertices	ū .						
18-1100   Worksid & Corrections   3   3   10-Jun-19   14-Jun-19   17-Jun-16   18-Jun-19   17-Jun-19   18-Jun-19   17-Jun-19   18-Jun-19   18-Jun-19   17-Jun-19   18-Jun-19			•				
Tell 100   Alles Functions   3   3   5   5   5   5   5   5   5   5			•				
Report   Part	TR-1100 Worklist & Corrections		3 3	3 10-Jan-19			■ Worklist & Corrections
1	TR-1110 A&E Punchlist		3 3	3 10-Jan-19			
Milling Paramidinary Adatement   \$2   \$0   10 July 19   10 GAL 19	TR-1120 Punch List Corrections		3 3	3 15-Jan-19	17-Jan-19		Punch List Corrections
Published phresistent & Abstract	se II	-	62 62	2 19-Jul-19			
P2DA-12   Start Work Personatrocton Meeting (Phase II)	uilding Demolition / Abatement / Site Improvements		62 62	2 19-Jul-19	15-Oct-19		
P22A-1   Buiding Dame & Abstement Pre-Contraction Meeting   1   1   19-Jul-19   39-Jul-19   28-Jul-19   28-Jul-1	Building Demolition & Abatment		16 16	6 19-Jul-19	09-Aug-19		
P2DA-11 USA Digs Stan for Utilities   Fee Alar   2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	P2DA-10 Site Work Preconstruction Meeting (Phase II)		1	1 19-Jul-19	19-Jul-19		I \$ite Work Pro
P.P.D.A. 1 Safe-Off Building Services (Mechanical Exertical & Fire Ajur 2 2 2 22-Jul-19 23-Jul-19 10 24-Jul-19 10 24-Jul-19 10 32-Jul-19 10 10 24-Jul-19 10 58-Jul-19 10 58-J	P2DA-10 Building Demo & Abatement Pre-Construction Me	eeting	1	1 19-Jul-19	19-Jul-19		I Building Dem
P2DA-16   Buting-Absternert & Demo   10   10   24-Jul-19   05-Aug-19   P2DA-16   Site Clearing & Site Demolitron   5   5   29-Jul-19   05-Aug-19   07-Aug-19	P2DA-10 USA Digs - Scan for Utilities		5 5	5 22-Jul-19	26-Jul-19		■ USA Digs -
P2DA-16   Site Clearing & Site Demotition	P2DA-10 Safe-Off Building Services (Mechanical, Electrica	l & Fire Alarn	2 2	2 22-Jul-19	23-Jul-19		I Safe-Off Bui
P2DA-16   Abetement Certification	P2DA-10 Building Abatement & Demo		10 10	24-Jul-19	06-Aug-19		Building A
P2DA-1C   Worklest & Corrections   3   3   07-Aug-19   09-Aug-19   09-Aug-19   1   Worklest   Size improvements   02   02   19-Jul-19	P2DA-10 Site Clearing & Site Demolition		5 5	5 29-Jul-19	02-Aug-19		■ Site Cleari
Establish Abbestos Dust Mitigation Plan	P2DA-10 Abatement Certification		1	1 07-Aug-19	07-Aug-19		I Abateme
P2SI-10    Establish Aste   P3SI-10    Protect Existing Utilities P.O.C.'s. and Structures   1   1   1   1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-1    1-1-	P2DA-10 Worklist & Corrections		3 3	3 07-Aug-19	09-Aug-19		<b>I</b> Worklist
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P2SI-107 Strip and Stockpile Existing Fill Material 2 2 2 0-8-aug-19 09-Aug-19 12-8-ug-19 13-Aug-19 13-Aug-19 13-Aug-19 13-Aug-19 14-Aug-19 14-Au	P2SI-10( Establish Asbestos Dust Mitigation Plan		1 .	1 19-Jul-19	19-Jul-19		I Establish Asb
P2SI-107 Strip and Stockpile Existing Fill Material 2 2 2 0-8-aug-19 09-Aug-19 12-8-ug-19 13-Aug-19 13-Aug-19 13-Aug-19 13-Aug-19 14-Aug-19 14-Au	P2SI-101 Protect Existing Utilities P.O.C's. and Structures		1		22-Jul-19		I Protect Exist
P2Si-102 Rough Grade Site 2 2 2 12-Aug-19 13-Aug-19 16-Aug-19 19-P2Si-102 Import/Place/Compact General Fill 3 3 3 14-Aug-19 16-Aug-19 19-P2Si-102 Import/Place/Compact General Fill 3 3 4-Aug-19 16-Aug-19 19-P2Si-103 Install Sanitary Sewer System Complete 2 2 2 20-Aug-19 22-Aug-19 1-P2Si-103 Install Sanitary Sewer System Complete 2 2 2 20-Aug-19 22-Aug-19 1-P2Si-103 Install Site District (If required) 1 1 22-Aug-19 22-Aug-19 1-P2Si-103 Install Site District (If required) 1 1 22-Aug-19 1-P2Si-103 Install Site District (If required) 1 1 10-S-Sep-19 1-P2Si-103 Install Site Lighting U.G. Conduits 2 2 0-Sep-19 09-Sep-19 1-P2Si-113 Install Landscape Irrigation Sleeves 2 2 0-Sep-19 09-Sep-19 1-P2Si-114 Install Site Lighting U.G. Conduits 2 2 0-Sep-19 09-Sep-19 1-P2Si-114 Install Site Lighting U.G. Conduits 2 2 0-Sep-19 12-Sep-19 1-P2Si-115 Install Landscape Irrigation Sleeves 3 3 10-Sep-19 12-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-P2Si-116 Inspection - Feinforcing Steel 1 1 18-Sep-19 1-Sep-19 1-Sep	P2SI-102 Strip and Stockpile Existing Fill Material		2 2	2 08-Aug-19	09-Aug-19		
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P2SI-112   Install Site Lighting U.G. Conduits   2   2   06-Sep-19   09-Sep-19     P2SI-115   Install Landscape Irrigation Sleeves   2   2   06-Sep-19   09-Sep-19     P2SI-116   Drill/Set /Pour Light Standard Bases   3   3   10-Sep-19   12-Sep-19     P2SI-116   Inspection - Reinforce Curb / Gutter   3   3   13-Sep-19   17-Sep-19     P2SI-116   Inspection - Reinforcing Steel   1   1   18-Sep-19   18-Sep-19     P2SI-117   Pour and Strip Site Vertical Curb and Gutter   2   2   19-Sep-19   20-Sep-19     County of San Mateo - Animal Care Shelter - April 2018 Working     PRINTED: 05-Apr-18 16:48     Data Date: 30-Mar-18     Data Date: 30-Mar-18     County of San Mateo - Animal Care Shelter - April 2018 Working     Critical Remaining Work     Critical Milestone     County of Effort   Critical Milestone     County of Effor							
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County of San Mateo - Animal Care Shelter - April 2018 Working  PRINTED: 05-Apr-18 16:48 Data Date: 30-Mar-18  PRINTED: 05-Apr-18 16:48 Data Date: 30-Mar-18  PRINTED: 05-Apr-18 16:48 Data Date: 30-Mar-18	· · · · · · · · · · · · · · · · · · ·		-		-		
Data Date:30-Mar-18  Data Date:30-Mar-18	P251-117 Pour and Strip Site Vertical Curb and Gutter		<u> </u>	19-Sep-19	∠u-Sep-19		
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MUMA   2002   Institution   More   More   March   More   More   March   More										
Section   Process   20   20   Sekeyor   1						13-Apr-18	15		* * * * * * * * * * * * * * * * * * * *	
Section   Sect					-		0			
Secretary   Control Secretary   Vecal Doors   10   11 × 11 × 11 × 11 × 12 × 12 × 13 × 13			Fabricate & Deliver - HM Doors							
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STRINGS   Decision Control   String					-	25-Apr-18	15		**	
Secretar Residue Research					15-May-18		0	0	Submittal Approved - Wood Doors	SUBM-1850
Substitution   Subs		oors	Fabricate & Deliver - Wood Door		13-Jun-18	16-May-18	20	20		
5000-1500   Review Adjustors - RAPA (Discus)   5   5   58-0-15   15   15   15   15   15   15   15					13-Jun-18	11-Apr-18	45	45	Up Doors	Sectional Roll-L
Substitution   Subs			Generate Submittal - Roll-Up Doors		24-Apr-18	11-Apr-18	10	10	Generate Submittal - Roll-Up Doors	SUBM-1210
Substitution   Subs			Review & Approve - Roll-Up Doors		15-May-18	25-Apr-18	15	15	Review & Approve - Roll-Up Doors	SUBM-1530
All			<ul> <li>Submittal Approved - Roll-Up Doors</li> </ul>		15-May-18		0	0	Submittal Approved - Roll-Up Doors	SUBM-1860
Secretaria Socialist - Socia		Doors	Fabricate & Deliver - Roll-Up Doo		13-Jun-18	16-May-18	20	20	Fabricate & Deliver - Roll-Up Doors	SUBM-2170
Section   Sect					13-Jun-18	11-Apr-18	45	45	ances & Storefronts	Aluminum Entra
Submit Airpower   Summit Approved   Summit Ap			Generate Submittal - Storefronts		24-Apr-18	11-Apr-18	10	10		
Submit   Approved   Submit   Approved   Submit   Approved   Submit   Submit   Submit   Approved   Submit   Submit   Submit   Approved   Submit			Review & Approve - Storefronts			· ·	15		Review & Approve - Storefronts	SUBM-1540
Substitution   Subs					-				''	
Substance		nts			,	16-Mav-18	20		11	
SUBM-150   Converse Submittal - Door Hardware   10   11 Apr 16   24 Apr 16   24 Apr 16   25 Apr 16   15 Apr 16   25 Apr 16										
SUBM-1500   Review Approve - Door Hardware   15   15   55-6cr-15   55-4sy-16			Generate Submittal - Door Hardware			<u> </u>				
SUBM-1280   Date Had Approved - Door Hardware   20   20   16 May-18   13-Jun-18   SUBM-1290   Cenerals Submittal - Clazing   50   10   14-Apr-18   24-Apr-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   25-May-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   25-May-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   25-May-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   25-May-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   25-May-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Review A Approve - Clazing   50   15   25-Apr-18   SUBM-1290   Submittal-Approved - Paint   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Submittal-Approved - Paint   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Submittal-Approved - Toler Accessories   50   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Submittal-Approved - Toler Accessories   50   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Cenerals Submittal - Toler Accessories   50   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Cenerals Submittal - Toler Accessories   50   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Cenerals Submittal - Toler Accessories   50   50   15   25-Apr-18   15   25-Apr-18   SUBM-1290   Cenerals Submittal - Toler Accessories   50   50   15   25-Apr-18   15					· ·	· · · · · · · · · · · · · · · · · · ·				
SubM-190   Fabricate & Deliver - Door Hardware   20   20   16-May-18   3-Jun-18					-	20-Αρι-10			**	
Substance   Subs					,	16 May 19	-		**	
SUBM-1260 Generale Submittal - Glacking  SUBM-1960 Review & Approve - Glacing  SUBM-1960 Subman Approved - Glacing  SUBM-200 Febrorale & Deliver - Glacing  SUBM-200 Febrorale & Deliver - Glacing  SUBM-1960 Review & Approve - Glacing  SUBM-1960 Review & Approved - Flack - Glacing  SUBM-1960 Review &		dware	Fabricate & Deliver - Door Hardy							
SUBM-1500   Review & Approve - Glazing   16   15   25 Apr-18   15 Alay-18						<u>'</u>				
SUBM-1290   Submittal Approved - Glazing   0 0 0   15-May-18					· ·	•				
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SUBM-1250   Generate Submittal - Paint   10   10   11-Apr-18   24-Apr-18   25-Apr-18   15-Aby-18   25-Apr-18			Fabricate & Deliver - Glazing						Fabricate & Deliver - Glazing	SUBM-2200
SUBM-1900   Submital Approved - Paint   15   15   25-Apr-18   15-May-18						11-Apr-18	45	45		High Performa
SUBM-1900 Submittal Approved - Paint 0 0 0 0 1 15-May-18   SUBM-2210 Fabricate & Deliver - Paint 2 0 20 16-May-18 13-Jun-18   SUBM-1800 Generate Submittal - Tollet Accessories 10 10 10 11-Apr-18 24-Apr-18   SUBM-1800 Review & Approve - Tollet Accessories 15 15 25-Apr-18   SUBM-1901 Submittal Approved - Tollet Accessories 15 15 25-Apr-18   SUBM-1901 Submittal Approved - Tollet Accessories 2 0 20 16-May-18 13-Jun-18   SUBM-1902 Review & Approve - Tollet Accessories 3 2 0 20 16-May-18 13-Jun-18   SUBM-1902 Submittal - Tollet Accessories 3 2 0 20 16-May-18 13-Jun-18   SUBM-1902 Submittal Approved - Tollet Accessories 3 2 0 20 16-May-18 13-Jun-18   SUBM-1902 Submittal Approved - Tollet Accessories 3 2 0 20 16-May-18 13-Jun-18   SUBM-1903 Submittal Approved - FE Cabinets 10 10 11-Apr-18 24-Apr-18   SUBM-1903 Submittal Approved - FE Cabinets 10 10 11-Apr-18 24-Apr-18   SUBM-1903 Submittal Approved - FE Cabinets 10 10 11-Apr-18 24-Apr-18   SUBM-1903 Review & Approve - FE Cabinets 10 10 11-Apr-18 24-Apr-18   SUBM-1903 Review & Approve - Colorers   SUBM-1904 Review & Approve - Colorers   SUBM-1905 Review & Approve - Colorers   SUBM-1906 Review & Approve - Colorers   SUBM-1907 Review & Approve - Colorers   SUBM-1908 Review & Approve - Colorers   SUBM-1908 Review & Approve - Colorers   SUBM-1908 Review & Approve - Colorers   SUBM-1909 Review & Approve - Colorers   SUBM-1900 Review & Approve - C					·	11-Apr-18	10	10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SUBM-1250
SUBM-2210   Fabricate & Deliver - Paint   20   20   16-May-18   13-Jun-18					-	25-Apr-18	15	15	Review & Approve - Paint	SUBM-1570
Toilet Accessories         45         45         45         11-Apr-18         13-Jun-18           SUBM-1260         Generate Submittal - Tolet Accessories         10         10         11-Apr-18         24-Apr-18         □ Generate Submittal - Tolet Accessories         □ Generate Submittal - Tolet Accessories           SUBM-1910         Submittal Approved - Tolet Accessories         0         0         15-May-18         □ February - Tolet Accessories         □ Submittal Approved - Tolet Accessories           SUBM-1220         Fabricate & Deliver - Tolet Accessories         20         20         16-May-18         13-Jun-18         □ February - Tolet Accessories           Fire Extinguisher Cabinets         45         45         11-Apr-18         24-Apr-18         □ Generate Submittal - FE Cabinets - Tolet Accessories           SUBM-1270         Generate Submittal - FE Cabinets         10         10         11-Apr-18         24-Apr-18         □ Generate Submittal - FE Cabinets         □ Submittal Approve - FE Cabinets         □ Jebruary - FE Cabinets <td></td> <td></td> <td>◆ Submittal Approved - Paint</td> <td></td> <td>15-May-18</td> <td></td> <td>0</td> <td>0</td> <td>Submittal Approved - Paint</td> <td>SUBM-1900</td>			◆ Submittal Approved - Paint		15-May-18		0	0	Submittal Approved - Paint	SUBM-1900
SUBM-1260 Generate Submittal - Toilet Accessories 10 10 11 -Apr-18 2-Apr-18 SUBM-1580 Review & Approve - Toilet Accessories 15 15 25-Apr-18 15-May-18 SUBM-1910 Submittal Approved - Toilet Accessories 0 0 0 15-May-18 SUBM-1910 Submittal Approved - Toilet Accessories 0 0 0 15-May-18 SUBM-1920 Fabricate & Deliver - Toilet Accessories 0 0 0 15-May-18 SUBM-1920 Generate Submittal - FE Cabinets 10 10 11 -Apr-18 13-Jun-18 SUBM-1920 Generate Submittal - FE Cabinets 15 15 25-Apr-18 15-May-18 SUBM-1920 Submittal Approved - FE Cabinets 0 0 0 15-May-18 SUBM-1920 Submittal Approved - FE Cabinets 10 0 11 -Apr-18 13-Jun-18 SUBM-1920 Fabricate & Deliver - FE Cabinets 10 0 11 -Apr-18 13-Jun-18 SUBM-1920 Submittal - FE Cabinets 10 0 11 -Apr-18 13-Jun-18 SUBM-1920 Submittal - FE Cabinets 10 0 11-Apr-18 13-Jun-18 SUBM-1920 Submittal - FE Cabinets 10 0 11-Apr-18 13-Jun-18 SUBM-1920 Submittal - FE Cabinets 10 0 11-Apr-18 13-Jun-18 SUBM-1920 Submittal - Cockers 10 0 11-Apr-18 13-Jun-18 SUBM-1930 Submittal - Cockers 15 15 25-Apr-18 15-May-18 SUBM-1930 Submittal - Cockers 15 15 25-Apr-18 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 15-May-18 SUBM-1930 Submittal - Cockers 15 0 0 0 10 11-Apr-18 SUBM-1930 Submittal - Cockers 15 0 0 0 10 11-Apr-18 SUBM-1930 Submittal - Cockers 15 0 0 0 10 11-Apr-18 SUBM-1930 Submittal - Cockers 15 0 0 0 0 10 11-Apr-18 SUBM-1930			Fabricate & Deliver - Paint		13-Jun-18	16-May-18	20	20	Fabricate & Deliver - Paint	SUBM-2210
SUBM-1580         Review & Approve - Tollet Accessories         15         15         25-Apr-18         15-May-18           SUBM-1910         Submittal Approved - Tollet Accessories         0         0         15-May-18					13-Jun-18	11-Apr-18	45	45	ries	Toilet Accessor
SUBM-1910         Submittal Approved - Toilet Accessories         0         0         15-May-18           SUBM-2220         Fabricate & Deliver - Toilet Accessories         20         20         16-May-18         13-Jun-18           SUBM-1270         Generate Submittal - FE Cabinets         10         10         11-Apr-18         23-Jun-18           SUBM-1270         Generate Submittal - FE Cabinets         10         10         11-Apr-18         24-Apr-18           SUBM-1590         Review & Approve - FE Cabinets         15         15         25-Apr-18         15-May-18           SUBM-1920         Submittal Approved - FE Cabinets         0         0         15-May-18         15-May-18           SUBM-1920         Submittal Approved - FE Cabinets         20         20         16-May-18         13-Jun-18           Metal Lockers         45         45         11-Apr-18         13-Jun-18           SUBM-1280         Generate Submittal - Lockers         10         10         11-Apr-18         24-Apr-18           SUBM-1290         Generate Submittal - Lockers         15         15         25-Apr-18         15-May-18           SUBM-220 Fabricate & Deliver - Lockers         0         0         15-May-18         15-May-18           SUBM-2240 Fabricate & Deliv			Generate Submittal - Toilet Accessories		24-Apr-18	11-Apr-18	10	š 10	Generate Submittal - Toilet Accessories	SUBM-1260
SUBM-2220 Fabricate & Deliver - Toilet Accessories 20 20 16-May-18 13-Jun-18  Fire Extinguisher Cabinets 45 45 45 11-Apr-18 13-Jun-18  SUBM-1270 Generate Submittal - FE Cabinets 10 10 11-Apr-18 24-Apr-18  SUBM-1270 Review & Approve - FE Cabinets 15 15 25-Apr-18 15-May-18  SUBM-1920 Submittal Approved - FE Cabinets 0 0 0 15-May-18 13-Jun-18  SUBM-1920 Fabricate & Deliver - FE Cabinets 20 20 16-May-18 13-Jun-18  SUBM-2230 Fabricate & Deliver - FE Cabinets 20 20 16-May-18 13-Jun-18  SUBM-1280 Generate Submittal - Lockers 10 10 11-Apr-18 24-Apr-18  SUBM-1280 Generate Submittal - Lockers 15 15 25-Apr-18 15-May-18  SUBM-1920 Submittal Approve - Lockers 15 15 25-Apr-18 15-May-18  SUBM-1920 Generate Submittal - Lockers 15 15 25-Apr-18 15-May-18  SUBM-1920 Generate Submittal - Lockers 15 15 25-Apr-18 15-May-18  SUBM-1920 Fabricate & Deliver - FE Cabinets 20 16-May-18 13-Jun-18  SUBM-1920 Generate Submittal - Lockers 20 20 16-May-18 13-Jun-18  SUBM-2240 Fabricate & Deliver - Lockers 20 20 16-May-18 13-Jun-18  SUBM-2240 Fabricate & Deliver - Lockers 20 20 16-May-18 13-Jun-18  SUBM-1290 Generate Submittal - Laundry Equip 10 10 11-Apr-18 24-Apr-18  SUBM-1920 Generate Submittal - Laundry Equip 10 10 11-Apr-18 24-Apr-18		es	Review & Approve - Toilet Accessories		15-May-18	25-Apr-18	15	15	Review & Approve - Toilet Accessories	SUBM-1580
Fire Extinguisher Cabinets  45 45 11-Apr-18 13-Jun-18  SUBM-1270 Generate Submittal - FE Cabinets  5UBM-1590 Review & Approve - FE Cabinets  5UBM-1590 Submittal Approved - FE Cabinets  5UBM-1920 Submittal Approved - FE Cabinets  5UBM-230 Fabricate & Deliver - FE Cabinets  6UBM-1280 Generate Submittal - Lockers  5UBM-1280 Generate Submittal - Lockers  5UBM-1280 Generate Submittal - Lockers  5UBM-1600 Review & Approve - Lockers  5UBM-1930 Submittal Approved - Lockers  5UBM-1280 Generate Submittal - Lockers  5UBM-1930 Submittal Approved - Lockers  5UBM-1280 Generate Submittal - Lockers  5UBM-1930 Submittal Approved - Lockers  5UBM-1280 Generate Submittal - Lockers  5UBM-1930 Submittal Approved - Lockers  5UBM-1930 Generate Submittal - Lockers  5UBM-1930 Generate Submittal - Lockers  5UBM-1290 Generate Submittal - Lockers  5UBM-1290 Generate Submittal - Laundry Equip  10 10 11-Apr-18 13-Jun-18  5UBM-1290 Generate Submittal - Laundry Equip  10 10 11-Apr-18 24-Apr-18  5UBM-1290 Generate Submittal - Laundry Equip		ries	◆ Submittal Approved - Toilet Accessbries		15-May-18		0	3 0	Submittal Approved - Toilet Accessories	SUBM-1910
SUBM-1270       Generate Submittal - FE Cabinets       10       10       11-Apr-18       24-Apr-18         SUBM-1590       Review & Approve - FE Cabinets       15       15       25-Apr-18       15-May-18         SUBM-1920       Submittal Approved - FE Cabinets       0       0       15-May-18         SUBM-2230       Fabricate & Deliver - FE Cabinets       20       20       16-May-18       13-Jun-18         SUBM-2230       Fabricate & Deliver - FE Cabinets       20       20       16-May-18       13-Jun-18         SUBM-1280       Generate Submittal - Lockers       10       10       11-Apr-18       13-Jun-18         SUBM-1930       Submittal Approve - Lockers       15       15       25-Apr-18       15-May-18         SUBM-1930       Submittal Approved - Lockers       0       0       15-May-18         SUBM-2240       Fabricate & Deliver - Lockers       20       20       16-May-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       24-Apr-18		cessories	Fabricate & Deliver - Toilet Acces		13-Jun-18	16-May-18	20	3 20	Fabricate & Deliver - Toilet Accessories	SUBM-2220
SUBM-1270       Generate Submittal - FE Cabinets       10       10       11-Apr-18       24-Apr-18         SUBM-1590       Review & Approve - FE Cabinets       15       15       25-Apr-18       15-May-18         SUBM-1920       Submittal Approved - FE Cabinets       0       0       15-May-18         SUBM-2230       Fabricate & Deliver - FE Cabinets       20       20       16-May-18       13-Jun-18         SUBM-2230       Fabricate & Deliver - FE Cabinets       20       20       16-May-18       13-Jun-18         SUBM-1280       Generate Submittal - Lockers       10       10       11-Apr-18       13-Jun-18         SUBM-1930       Submittal Approve - Lockers       15       15       25-Apr-18       15-May-18         SUBM-1930       Submittal Approved - Lockers       0       0       15-May-18         SUBM-2240       Fabricate & Deliver - Lockers       20       20       16-May-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       24-Apr-18					13-Jun-18	11-Apr-18	45	45	er Cabinets	Fire Extinguish
SUBM-1590       Review & Approve - FE Cabinets       15       15       25-Apr-18       15-May-18         SUBM-1920       Submittal Approved - FE Cabinets       0       0       15-May-18         SUBM-2230       Fabricate & Deliver - FE Cabinets       20       20       16-May-18       13-Jun-18         SUBM-2230       Fabricate & Deliver - FE Cabinets       45       45       11-Apr-18       13-Jun-18         Metal Lockers       45       45       11-Apr-18       24-Apr-18         SUBM-1280       Generate Submittal - Lockers       10       10       11-Apr-18       24-Apr-18         SUBM-1600       Review & Approve - Lockers       15       15       25-Apr-18       15-May-18         SUBM-1930       Submittal Approved - Lockers       0       0       15-May-18         SUBM-2240       Fabricate & Deliver - Lockers       20       20       16-May-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       24-Apr-18			Generate Submittal - FE Cabinets			•				
SUBM-1920         Submittal Approved - FE Cabinets         0         0         15-May-18           SUBM-2230         Fabricate & Deliver - FE Cabinets         20         20         16-May-18         13-Jun-18           SUBM-1280         Generate Submittal - Lockers         10         10         11-Apr-18         24-Apr-18           SUBM-1600         Review & Approve - Lockers         15         15         25-Apr-18         15-May-18           SUBM-1930         Submittal Approved - Lockers         0         0         15-May-18           SUBM-2240         Fabricate & Deliver - Lockers         20         20         16-May-18         13-Jun-18           SUBM-1290         Generate Submittal - Laundry Equip         45         45         11-Apr-18         13-Jun-18           SUBM-1290         Generate Submittal - Laundry Equip         10         10         11-Apr-18         24-Apr-18			Review & Approve - FE Cabinets							SUBM-1590
SUBM-2230         Fabricate & Deliver - FE Cabinets         20         20         16-May-18         13-Jun-18           Metal Lockers         45         45         11-Apr-18         13-Jun-18           SUBM-1280         Generate Submittal - Lockers         10         10         11-Apr-18         24-Apr-18           SUBM-1600         Review & Approve - Lockers         15         15         25-Apr-18         15-May-18           SUBM-1930         Submittal Approved - Lockers         0         0         15-May-18           SUBM-2240         Fabricate & Deliver - Lockers         20         20         16-May-18         13-Jun-18           Laundry Equipment (Owner)         45         45         11-Apr-18         13-Jun-18           SUBM-1290         Generate Submittal - Laundry Equip         10         10         11-Apr-18         24-Apr-18					-				**	
Metal Lockers         45         45         11-Apr-18         13-Jun-18           SUBM-1280         Generate Submittal - Lockers         10         10         11-Apr-18         24-Apr-18           SUBM-1600         Review & Approve - Lockers         15         15         25-Apr-18         15-May-18           SUBM-1930         Submittal Approved - Lockers         0         0         15-May-18           SUBM-2240         Fabricate & Deliver - Lockers         20         20         16-May-18         13-Jun-18           Laundry Equipment (Owner)         45         45         11-Apr-18         13-Jun-18           SUBM-1290         Generate Submittal - Laundry Equip         10         10         11-Apr-18         24-Apr-18		nets	and the contract of the contra		-	16-Mav-18	-			
SUBM-1280       Generate Submittal - Lockers       10       10       11-Apr-18       24-Apr-18         SUBM-1600       Review & Approve - Lockers       15       15       25-Apr-18       15-May-18         SUBM-1930       Submittal Approved - Lockers       0       0       15-May-18         SUBM-2240       Fabricate & Deliver - Lockers       20       20       16-May-18       13-Jun-18         Laundry Equipment (Owner)       45       45       11-Apr-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       24-Apr-18					_					
SUBM-1600       Review & Approve - Lockers       15       15       25-Apr-18       15-May-18         SUBM-1930       Submittal Approved - Lockers       0       0       15-May-18         SUBM-2240       Fabricate & Deliver - Lockers       20       20       16-May-18       13-Jun-18         Laundry Equipment (Owner)       45       45       11-Apr-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       24-Apr-18			Generate Submittal - Lockers			•			Generate Submittal - Lockers	
SUBM-1930       Submittal Approved - Lockers       0       0       15-May-18         SUBM-2240       Fabricate & Deliver - Lockers       20       20       16-May-18       13-Jun-18         Laundry Equipment (Owner)       45       45       11-Apr-18       13-Jun-18         SUBM-1290       Generate Submittal - Laundry Equip       10       10       11-Apr-18       24-Apr-18			i i i i i i i i i i i i i		· ·	· · · · · · · · · · · · · · · · · · ·				
SUBM-2240         Fabricate & Deliver - Lockers         20         20         16-May-18         13-Jun-18           Laundry Equipment (Owner)         45         45         11-Apr-18         13-Jun-18           SUBM-1290         Generate Submittal - Laundry Equip         10         10         11-Apr-18         24-Apr-18						20 / (pi = 10	-			
Laundry Equipment (Owner)         45         45         11-Apr-18         13-Jun-18           SUBM-1290         Generate Submittal - Laundry Equip         10         10         11-Apr-18         24-Apr-18					-	16-Mav-18	-		**	
SUBM-1290 Generate Submittal - Laundry Equip 10 10 11-Apr-18 24-Apr-18			Tablicate & Deliver - Lockers							
			Caparata Submittal Lauraday Faviir			•			****	
SUBWED III. I BEVIEW & BRITING FOR IN TO THE TO THE TO THE TO THE TO THE TOTAL PARTY IN THE PA					· ·	•			* ' ' '	
			Review & Approve - Laundry Equip		15-May-18	25-Apr-18	15	15	Review & Approve - Laundry Equip	SUBM-1610
SUBM-1940 Submittal Approved - Laundry Equip 0 0 15-May-18  ♦ Submittal Approved - Laundry Equip					-	40.55	-			
SUBM-2250 Fabricate & Deliver - Laundry Equip 20 20 16-May-18 13-Jun-18		Equip	Fabricate & Deliver - Laundry Eq		_					
Commercial Washers & Extractors (Owner) 45 45 11-Apr-18 13-Jun-18				<u> </u>	13-Jun-18	11-Apr-18	45	45	ashers & Extractors (Owner)	Commercial W
County of San Mateo - Animal Care Shelter - April 2018 Working  PRINTED: 05-Apr-18 16:48  PRINTED: 05-Apr-18 16:48  Critical Remaining Level of Effort  Actual local of Effort  Critical Remaining	Critical Remaining Work	Remaining Level of Effort Critical F	PRINTED: 05-Apr-18 16:48	Shelter - April 2018 Working	nimal C	ateo - Ai	an M	County of Sc		
Data Date:30-Mar-18		— —	Data Date:30-Mar-18	•			,,,,,, 17.E.			
SMAS - All Act Report  Page 16 of 17  Page 16 of 17  Remaining Work   Complete  Complete			Page 16 of 17	t Report	MAS - Al	S				

TIVITY ID	ACTIVITY NAME	ORG DUR	REM DUR	START	FINISH	A M J J A S O N D J F M A M J J A S O N D J F M A M J 1	J A S O D 2 1 2 1 0 2
SUBM-1300	Generate Submittal - Washer	10	10	11-Apr-18	24-Apr-18	Generate Submittal - Washer	
SUBM-1620	Review & Approve - Washer	15	15	25-Apr-18	15-May-18	Review & Approve - Washer	
SUBM-1950	Submittal Approved - Washer	0	0	· ·	15-May-18	◆ Submittal Approved - Washer	
SUBM-2260	Fabricate & Deliver - Washer	20	20	16-May-18	13-Jun-18	Fabricate & Deliver - Washer	
Fire Protection	(Bay Cities Fire)	45	45	11-Apr-18	13-Jun-18		
SUBM-1310	Generate Submittal - Fire Protection	10	10	11-Apr-18	24-Apr-18	Generate Submittal - Fire Protection	
SUBM-1630	Review & Approve - Fire Protection	15	15	25-Apr-18	15-May-18	Review & Approve - Fire Protection	
SUBM-1960	Submittal Approved - Fire Protection	0	0		15-May-18	◆ Submittal Approved - Fire Protection	
SUBM-2270	Fabricate & Deliver - Fire Protection	20	20	16-May-18	13-Jun-18	Fabricate & Deliver - Fire Protection	
Plumbing (Fran	nk M Booth)	45	45	11-Apr-18	13-Jun-18		
SUBM-1320	Generate Submittal - Plumbing	10	10	11-Apr-18	24-Apr-18	Generate Submittal - Plumbing	
SUBM-1640	Review & Approve - Plumbing	15	15	25-Apr-18	15-May-18	Review & Approve - Plumbing	
SUBM-1970	Submittal Approved - Plumbing	0	0		15-May-18	◆ Submittal Approved - Plumbing	
SUBM-2280	Fabricate & Deliver - Plumbing	20	20	16-May-18	13-Jun-18	Fabricate & Deliver - Plumbing	
HVAC (Frank M	Booth)	45	45	11-Apr-18	13-Jun-18		
SUBM-1330	Generate Submittal - HVAC	10	10	11-Apr-18	24-Apr-18	☐ Generate Submittal - HVAC	
SUBM-1650	Review & Approve - HVAC	15	15	25-Apr-18	15-May-18	Review & Approve - HVAC	
SUBM-1980	Submittal Approved - HVAC	0	0		15-May-18	◆ Submittal Approved - HVAC	
SUBM-2290	Fabricate & Deliver - HVAC	20	20	16-May-18	13-Jun-18	Fabricate & Deliver - HVAC	
Building Autom	ation System (Frank M Booth)	45	45	11-Apr-18	13-Jun-18		
SUBM-1340	Generate Submittal - BMS	10	10	11-Apr-18	24-Apr-18	Generate Submittal - BMS	
SUBM-1660	Review & Approve - BMS	15	15	25-Apr-18	15-May-18	Review & Approve - BMS	
SUBM-1990	Submittal Approved - BMS	0	0		15-May-18	◆ Submittal Approved - BMS	
SUBM-2300	Fabricate & Deliver - BMS	20	20	16-May-18	13-Jun-18	Fabricate & Deliver - βMS	
Electrical (Inter	rmountain)	45	45	11-Apr-18	13-Jun-18		
SUBM-1350	Generate Submittal - Electrical	10	10	11-Apr-18	24-Apr-18	Generate Submittal - Electrical	
SUBM-1670	Review & Approve - Electrical	15	15	25-Apr-18	15-May-18	Review & Approve - Electrical	
SUBM-2000	Submittal Approved - Electrical	0	0		15-May-18	◆ Submittal Approved - Electrical	
SUBM-2310	Fabricate & Deliver - Electrical	20	20	16-May-18	13-Jun-18	Fabricate & Deliver - Electrical	





California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD

SAN MATEO, CA 94401

Change Order: 11

Date: 4/25/2018

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Extended GCs - Storm Drain System and Dog Yard Contamination

8011.1 Extended GCs - Storm Drain System and Dog Yard Contamination

\$137,615.19

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

Assistant Director

4/16/2020

- DocuSigned by:

Scott Gurley \_\_D149DF838EF04D7...

DocuSigned by:

Robert Hennessy

AB3B77D60A0D483...

\$137,615.19

DocuSigned by:

Sam Lin \_\_EE1B7F4B372C432...

\$137,615.19

The original Contract Amount v	was	\$19,699,197.00
Net change by previously author	orized Change Orders	\$1,346,992.97
The Contract Amount prior to t	his Change Order was	\$21,046,189.97
The Contract will be increased	by this Change Order in the amount of	\$137,615.19
The new Contract Amount inclu	uding this Change Order will be	\$21,183,805.16
The Contract Time will be unch The date of Substantial Compl	nanged. etion as of the date of this Change Order therefore is	5
LDA PARTNERS ARCHITECT	FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241	OWNER
(Signature)	(Signature)	See Attached CR 8011.1 (Signature)
By	Daniel Hoff By 4/25/18	See Attached CR 8011.1  By  See Attached CR 8011.1
Date	Date	Date



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

## Change Request

To: Robert Hennessy

Jacobs

Number: 8011.1 Date: 4/20/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Extended GCs - Storm Drain System and Dog Yard Contamination

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

Source: Other

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the Extended General Conditions as a result of the extra work performed investigating the underground Storm Drain piping system due to the unforeseen condition of the pipe from the Catch Basin being collapsed. All existing Storm Drain lines to remain and be part of the final SD system were requested to be investigated. Delay and associated costs up until the resubmittal of the storm drain plans on 2.7.2018 and the Dog Yard Animal Waste Contamination delaying resubmittal of package I till 3.27.2018. This delay impacted the Critical Path of the Schedule by 118 days with foreseen permit release by 4.28.18. See attached timelines for details.

If there are subsequent plan review comments these delays and costs may change.

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0042	Field Office Administration					\$275,230.39	\$275,230.39
01-0210	Contingency (Deduct)				\$	(137,615.20)	\$(137,615.20)
						Subtotal:	\$137,615.19
×-			COMPO	NENT 3 - BIT	\$0.00	2.70 %	\$0.00
		COMPONENT 1 -	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
		COME	PONENT 2 - SU	JB MARK-UP	\$0.00	5.00 %	\$0.00
						= Total:	\$137,615.19

PHASE 1 PLAN CHECK SUBMITTED ON OCTOBER 10, 2017. (201 DAYS)

Please note that FH CONSTRUCTION will require an extra 118 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by: \_

Page 1 of 1



SCOPE:

STORM DRAIN SYSTEM AND DOG YARD CONTAMINATION

SAN MATEO COUNTY ANIMAL SHELTER

4/20/2018

SPEC. No.	DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
01000	DIVISION 1 - GENERAL CONDITIONS					
	SCHEDULE					
	CRITICAL PATH DELAY	118	DAYS			/
	F&H DESIGN EXTENDED OVERHEAD	118 ✓	DAYS	\$1,981.70	233,840.60	
					A	
	TESTING				BY OWNER	
				1	20	
	SUB - TOTAL OF ALL ABOVE			*	233,840.60	
	BUILDERS RISK INSURANCE		- 75			
	LIABILITY INSURANCE			BIT = 2.7%	6,313.70	<b>Y</b>
	PAYMENT & PERFORMANCE BOND					1
	MARKUP - SUBCONTRACTOR (10%)				0.00	l 2
	MARKUP - DIRECT COST (15%)	te in the			35,076.09	
	TOTAL	1 2			275,230.39	

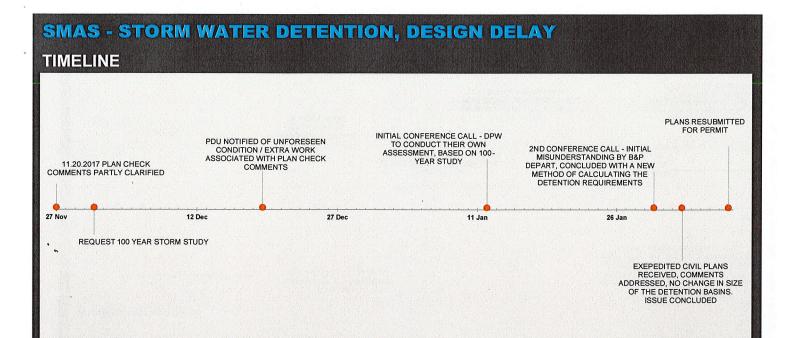
# ANIMAL SHELTER COUNTY OF SAN MATEO

1 Month Duration

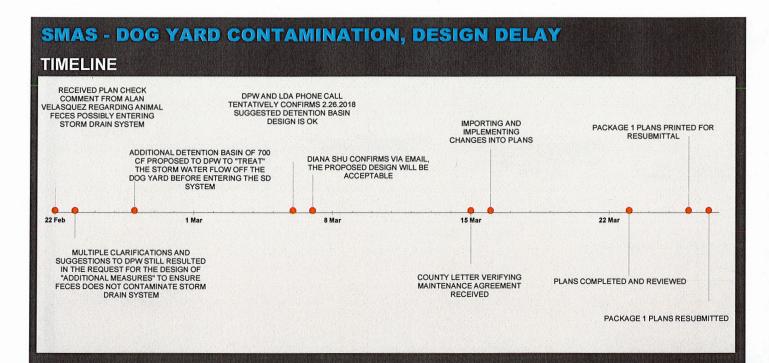
1.00

GENERAL REQS. & CONDITIONS			MATL.	LABOR	MATERIAL	LABOR	BID
DESCRIPTION	QTY.	UNIT	U. PRICE	U. PRICE	TOTAL	TOTAL	TOTAL
MISC. ITEMS							
LAYOUT - FOREMAN ON SITE	24.0	HR	4.00	72.50			
TEMPORARY FENCE - RENT AFTER 12 MO	1,400.0	LF	0.25	0.00	350	0	350
OFFICE EQUIPMENT & SUPPLIES - MO	1.0	МО	375.00	0.00			
DRINKING WATER	1.0	МО	120.00	0.00			
SAFETY SUPPLIES	1.0	МО	210.00	0.00			
TRAILER MONTHLY	1.0	MO	621.00	0.00	621	0	62
STORAGE SHED (2 EACH)	2.0	EA	102.00	0.00	204	0	204
TEMP UTILITIES							
POWER - TIE-IN TO EXISTING							
CORDS & DISTRIBUTION - 30 MIN. / DAY	1.0	MO	100.00	787.50			
MONTHLY	1.0	МО	702.00	0.00			
TEMP HEAT & AIR CONTROL IN BUILDING	1.0	MO	1,000.00	787.50			
WATER					1.74	134 (4) 12 (4) 15	NOW WHITE
HOSE & DISTRIBUTION	1.0	LS	50.00	300.00			
SECURITY CAMERA - START			M. Maria				
SECURITY CAMERA - MONTHLY	1.0	МО	650.00	0.00			
TELEPHONE							40.7 (20.00.00
MONTHLY	1.0	MO	250.00	0.00	250	0	250
MONTHLY CELL PHONE (PM, SUPER, PE)	3.0	MO <sup>·</sup>	118.00	0.00	354	0	354
PAPER WORK ITEMS	700		1				
CPM SCHEDULING		Armania de municipalita de la comunicación de la co		inin de copratio e d			
MONTHLY UPDATES - 16 HRS / MO	1.0	EA	2,400.00	0.00	2,400	0	2,400
AS-BUILTS PRINTING COSTS	1.0	LS	75.00	0.00	75	0	75
OWNERS ITEMS							
TRIPLE WIDE TRAILER FOR PUBLIC USAGE		For the second					
RAMPS AND TEMP ACCESS @ PUBLIC AREA	1.0	MO	105.00	0.00	105	0	105
TRAILER MONTHLY - TRIPLE WIDE	1.0	MO	1,257.00	0.00	1,257	0	1,257
SEPTIC ABOVE GROUND AT TRAILER							
HOLDING TANK RENTAL	1.0	EA	59.40	0.00	59	0	59
PUMP OUT TANKS	1.0	EA	162.00	0.00			
PORTABLE TOILET							
PORTABLE TOILET W/ SINK - 2	2.0	EA	108.60	0.00			
DUAL HANDWASH STATIONS	1.0	EA	65.40	0.00			
PUMP OUT AND SERVICE TOILETS	6.0	EA	43.20	0.00			
OWNER EQUIP - STORAGE SHED	2.0	EA	102.00	0.00			
MISC. ITEMS							
PORTABLE TOILETS							
PORTABLE TOILET W/ SINK	3.0	EA	102.60	0.00	308	0	308
DUAL HANDWASH STATIONS	1.0	EA	59.40	0.00			
PUMP OUT AND SERVICE TOILETS	12.0	EA	37.80	0.00			
BLUEPRINTING	1.0	MO	35.00	0.00			
ROAD AREA & MAINTENANCE / SITE CLEANING	1.0	MO	150.00	576.00			

					ERHEAD COS		1,981.7
		13.	(1) ppe cay.	TTL ABOVE	16,781	42,669	59,450
			(1) Month	SUBTOTAL	2,976	0	2,976
MAINTENANCE	2.0	EA	125.00	0.00	250	0	250
MISC. EQUIPMENT	1.0	МО	300.00	0.00			
ORKLIFT	1.0	МО	500.00	0.00	500	0	500
ROJECT ENGINEER	1.0	МО	400.00	0.00	400	0	400
UPERINTENDENT	1.0	МО	901.00	0.00	901	0	901
PROJECT MANAGER	1.0	MO	925.00	0.00	925	0	925
FUEL / OIL / MAINTENANCE			- 1 += 1	SUBTOTAL	2,420	0	2,420
MISCELLANEAOUS	1.0	MO	300.00	0.00			
FORKLIFT - BOOM TYPE	1.0	МО	2,420.00	0.00	2,420	0	2,420
EQUIPMENT RENTAL	li ini			COBTOTAL	3,002		3,002
AST PASS BYPASS - 4 PER WEEK	12.0	EA	3.50	SUBTOTAL	3,602	0	3,602
BRIDGE TOLLS - 4 PER WEEK	12.0	EA	5.00	0.00	42	0	60 42
HOUSING - SHARED PM & SUPERINTENDENT	1.0	MO	3,500.00	0.00	60	0	
HOUSING	1.0	MO	2 500 00	0.00	3,500	0	3,500
				SUBTOTAL	0	1,495	1,495
TELD - SUPERINTENDENT	1.0	МО	0.00	725.00	0	725	725
PROJECT MANAGER	1.0	МО	0.00	770.00	0	770	770
SUBSISTENCE / TRAVEL				SUBTOTAL	1,800	0	1,800
PROJECT ENGINEER	1.0	МО	450.00	0.00	450	0	450
TELD - ASSIST 50% OF TIME	1.0	MO	375.00	0.00			
FIELD - SUPERINTENDENT	1.0	MO	750.00	0.00	750	0	750
PROJECT MANAGER	1.0	МО	600.00	0.00	600	0	600
VEHICLE ALLOWANCE							
	V 4			SUBTOTAL	0	41,174	41,174
PROJECT ENGINEER	1.0	МО	0.00	8,650.00	0	8,650	8,650
FIELD - SITE FOREMAN 80 HRS/MO	1.0	МО	0.00	15,397.00			
FIELD - SUPERINTENDENT 94.15	1.0	МО	0.00	15,916.00	0	15,916	15,916
PROJECT MANAGER 98.86	1.0	МО	0.00	16,608.00	0	16,608	16,608
SUPERVISION				OODTOTAL	3,703	VI.	3,703
YARD SERVICE	1.0	EA	275.00	SUBTOTAL	5,983	0	5,983
DUMPSTERS / RECYCLING / LEED	1.0	EA	825.00	0.00			
PROGRESS CLEANING - 1 HRS / DAY	1.0	MO	100,00	1,512.00			
SHIPPING / MAIL	1.0	МО	120.00	0.00			
SMALL TOOL PURCHASE & RENT	1.0	МО	350.00	0.00			



DATE	MILESTONE	NOTES
11/27/2017	11.20.2017 Plan Check Comments Partly Clarified	
12/1/2017	Request 100 Year Storm Study	EXPEDITED
12/19/2017	PDU Notified of Unforeseen Condition / Extra work associated with plan check comments	~350% INCREASE IN VOLUME OF DETETNION PONDS REQUESTED
1/12/2018	Initial Conference Call - DPW to conduct their own assessment, based on 100-Year Study	
1/30/2018	2nd Conference Call - Initial misunderstanding by B&P Depart, concluded with a new method of calculating the detention requirements	NO CHANGE IN SIZE OF PONDS NEEDED
2/2/2018	Exepedited Civil plans received, comments addressed, no change in size of the Detention Basins. Issue concluded	EXPEDITED
2/7/2018	Plans resubmitted for permit	



DATE	MILESTONE	DETAIL
2/22/2018	Received plan check comment from Alan Velasquez regarding animal feces possibly entering storm drain system	
2/23/2018	Multiple clarifications and suggestions to DPW still resulted in the request for the design of "additional measures" to ensure feces does not contaminate storm drain system	
2/26/2018	Additional detention basin of 700 CF proposed to DPW to "treat" the storm water flow off the dog yard before entering the SD system	
3/6/2018	Diana Shu confirms via Email, the proposed design will be acceptable	
3/7/2018	DPW and LDA phone call tentatively confirms 2.26.2018 suggested detention basin design is OK	
3/15/2018	County Letter verifying Maintenance agreement received	
3/16/2018	Importing and implementing changes into plans	
3/23/2018	Plans completed and reviewed	
3/26/2018	Package 1 Plans printed for resubmittal	
3/27/2018	Package 1 Plans resubmitted	
	Package 1 Permit Release Expected 4/28/2018	



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 12

Date: 5/7/2018

**Architect's Project:** 

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Design Modification and Upgrade Budget Adjustment - Package 1

8012 Design Modification and Upgrade Budget Adjustment - Package 1

\$398,643.84

Scott Gurley

Robert Hennessy

Sam Lin

-DocuSigned by:

4/16/2020

Assistant Director

Scott Gurley D149DF838EF04D7...

-DocuSigned by:

Robert Hennessy

AB3B77D60A0D483...

\$398,643.84

4/16/2020

-DocuSigned by:

Sam (in —EE1B7F4B372C432...

\$398,643.84

The or	iginal	Cont	ract A	mount	was
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Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

The Contract Time will be unchanged.

I DA DADTHEDO

The date of Substantial Completion as of the date of this Change Order therefore is

\$19,699,197.00 \$1,346,992.97 \$21,046,189.97 \$398,643.84 \$21,444,833.81

LUA PARTNERS	FH CONSTRUCTION	Jacobs
ARCHITECT	CONTRACTOR	OWNER
	PO BOX 2329	
	LODI, CA 95241	
	Daviel Hoff	The Ci-
(Signature)	(Signature)	(Signature)
	Daniel Hoff	577/192
Ву	By 5/7/18	By
Date	Date	Date 1 2020/50: 5/7/18

THE CONCEDUCTION



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

## Change Request

To: Robert Hennessy Jacobs

Number: 8012 Date: 3/15/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

#### Description:

Reason: Design Change Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Design modifications and upgrades from "Contract Price Qualifications Inclusions Exclusions Alternates - Revision 02.21.17," "12/20 Contract Drawings" and all associated exhibits included in contract dated March 15th, 2017 to "9/12/17 - 100% Civil Drawings, Delta 1 - 12/15/17 LDA." See attached documents.

Delay in design phase has pushed critical demolition, grading and foundation construction activities to periods of potentially higher weather related inefficiencies and impacts. Construction and weather related impacts are unknown. Additional design changes post "9/12/17 - 100% Civil Drawings, Delta 1 - 12/15/17 LDA" and impacts will be identified and recorded as they occur during construction. Schedule impacts are not fully known and not included in "Design Modification and Upgrade Budget Adjustment - Package 1"

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Sound Absorbing Wall Units (Allow ance #1)					\$(85,000.00)	\$(85,000.00)
01-0950	Dog Kennel T-Tops (Allowance #9)		Harlifet	Allow 42 c	OFF OOO	\$(30,000.00)	\$(30,000.00)
01-0950	Owner Allownace Scope Revisions (Allowance #10)		падмац	Allow #3 \$	(255,000) 286,800	\$(350,000.00)	\$(350,000.00)
02-4100	Hazardous Material				\$31,800.00		\$31,800.00
02-4100	Demolition				\$(69,057.00)		\$(69,057.00)
03-3000	Concrete, Building and Site				\$253,231.00		\$253,231.00
15-0300	Fire Protection					\$28,820.00	\$28,820.00
31-2200	Earthwork/ Site Utilities				\$259,111.00		\$259,111.00
31-2200	Earthwork/ Site Utilities				\$314,989.00		\$314,989.00
NOTE:	<b>TOTAL COST OF C/O #12 BEFOR</b>	RE ALLOW	ANCE OFFS	ETS:		Subtotal:	\$353,894.00
\$1,118	,643.84				\$703,894.00	5.00 %	\$35,194.70
ALLOV	VANCE OFFSETS:				\$353,894.00	2.70 %	\$9,555.14
#1 = \$(8)	85,000)				φοσο,σοσ4.σο	2.70 /0	φ8,555.14
#3 = \$(2	255,000)		8.5-4		. 16	Total:	\$398,643.84
#9 = \$(3	30,000)			-up miscalcular change order -			
#10 = \$	(350,000)	1-	Signed	\$150.00 v			

\$1,118,643.84 - \$720,000 = \$398,643.84

**TOTAL OFFSETS = \$(720,000)** 

If you have any questions, please contact me at (209)931-3738.

REVISED (IN RED): 5/7/18

ubmitted by: Daniel Hoff

F & H CONSTRUCTION

Daniel Hoff Construction, CN=Daniel Hoff Reason: I am approving this document

Approved by:

Date: \_

5/4/2018

SEE NOTES DATED IN RED" 12/14/14

COBERT O. HENNESSY/P.E.

ROBERT J. HENNESSY P. 159/10/1

py



### Change Request

To: Robert Hennessy

Jacobs

Number: 8012 Date: 3/15/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

#### **Description:**

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Design modifications and upgrades from "Contract Price Qualifications Inclusions Exclusions Alternates - Revision 02.21.17," "12/20 Contract Drawings" and all associated exhibits included in contract dated March 15th, 2017 to "9/12/17 - 100% Civil Drawings, Delta 1 - 12/15/17 LDA." See attached documents.

Delay in design phase has pushed critical demolition, grading and foundation construction activities to periods of potentially higher weather related inefficiencies and impacts. Construction and weather related impacts are unknown. Additional design changes post "9/12/17 - 100% Civil Drawings, Delta 1 - 12/15/17 LDA" and impacts will be identified and recorded as they occur during construction. Schedule impacts are not fully known and not included in "Design Modification and Upgrade Budget Adjustment - Package 1"

Cost Code	Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Sound Absorbing Wall Units (Allow ance #1)					\$(85,000.00)	\$(85,000.00)
01-0950	Dog Kennel T-Tops (Allowance #9)					\$(30,000.00)	\$(30,000.00)
01-0950	Owner Allownace Scope Revisions (Allowance #10)					\$(350,000.00)	\$(350,000.00)
02-4100	Hazardous Material				\$31,800.00		\$31,800.00
02-4100	Demolition				\$(69,057.00)		\$(69,057.00)
03-3000	Concrete, Building and Site				\$253,231.00		\$253,231.00
15-0300	Fire Protection					\$28,820.00	\$28,820.00
31-2200	Earthwork/ Site Utilities				\$259,111.00		\$259,111.00
31-2200	Earthwork/ Site Utilities				\$314,989.00		\$314,989.00
						Subtotal:	\$353,894.00
					\$703,894.00	5.00 %	\$35,194.70
					\$353,894.00	2.70 %	\$9,555.14
			Mar	k-up miscalculat	ed from	Total:	\$398,643.84

signed change order - reduce by \$150.00

If you have any questions, please contact me at (209)931-3738.

REVISED (IN RED): 5/7/18

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by: \_ Date: \_

APPROVED: 5-4-2018

ROBERT J. HENNESSY PRESSY Of 1

kg



### Change Request

To: Robert Hennessy

Jacobs

Number: 8012

Date: 3/15/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** 

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Design modifications and upgrades from "Contract Price Qualifications Inclusions Exclusions Alternates - Revision 02.21.17," "12/2

weather related inefficiencies and impacts

"9/12/17 - 100% Civil Drawings, Delta 1 - 12/15/17 LDA" and impacts will be identified and recorded as they occur during construction. Schedule impacts are not fully known and not included in "Design Modification and Upgrade Budget Adjustment - Package 1"

Cost Code	Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Sound Absorbing Wall Units (Allow ance #1)					\$(85,000.00)	\$(85,000.00)
01-0950	Dog Kennel T-Tops (Allowance #9)					\$(30,000.00)	\$(30,000.00)
01-0950	Owner Allownace Scope Revisions (Allowance #10)					\$(350,000.00)	\$(350,000.00)
02-4100	Hazardous Material				\$31,800,00		\$31,800.00
02-4100	Demolition				\$(69,057.00)		\$(69,057.00)
03-3000	Concrete, Building and Site			_	\$252 221 00		\$253,231.00
15-0300	Fire Protection			\\&		\$28,820.00	\$28,820.00
31-2200	Earthwork/ Site Utilities			111	\$259,111.00		\$259,111.00
31-2200	Earthwork/ Site Utilities			5/1/18	\$314,989.00		\$314,989.00
	The manufacture and the second			0		Subtotal:	\$353,894.00
			K		\$703,894.00	%	\$35,344.70
			Str. N.		\$353,894.00	%	\$9,555.14
			Q"/			Total:	\$398,793.84

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

Date:

51410018

APPROVED: 5-4-2018

ROBERT J. HENNESSY P. F. Of

#### EXHIBIT 1 - 2/21/2017 COST BREAKDOWN

PROJECT:

ANIMAL SHELTER
COUNTY OF SAN MATEO



NESSA COMPRESENTATION PROPERTY.	COUNTY OF SAN MATEO			
SPEC. No.	DESCRIPTION	REVISED FLOOR PLAN BID AMOUNT	SUBCONTRACTOR/NOTES	NOTES / ADDITIONAL VE ITEMS USED
Streetie	MISC. SITE	ATTENDED TO THE PARTY OF THE PA	F&H Construction	Delete Bike Lockers & Bike Loops to remain
	MISC. BUILDING		F&H Construction	Autoclave is included as an allowance of \$18,000.00
	MISC. STEEL INSTALL		F&H Construction	
The second secon	CONSTRUCTION STAKING	22,000		
031000 & 033000	BUILDING CONCRETE		Building & Barn (including rebar)	
321313	SITE CONCRETE	248,684		
032000	REBAR	W/ 031000	Included with Concrete 2 items above	
	MASONRY	495,400		
51200, 055500, 055133 &	STRUCTURAL & MISC. METALS	190,000 1,191,190	,	
064100	ROUGH CARPENTRY	W/F&H Above	See items in grey above	
064023	CABINETS & CASEWORK INTERIOR ARCHITECTURAL WOODWORK	W/F&H Above	See items in grey above	
066400	FRP WALL PANES		Reduced by using bumper rails in main hallway	
000100	INSULATION		Increased as original had rigid at metal roof	
	CEMENT BOARD SIDING	245,118		
	METAL COMPOSITION SHINGLES ROOFING	339,522		
	SINGLE PLY ROOFING	W/ SHINGLES	With line above	
	CANOPIES - PRE-ENGINEERED		Canopies, Waste Stations, Dog Fountains	Dog Canopies & Benches only at the two large dog runs
	CANOPIES & BENCHES AT THE TWO MAIN DOG RUNS		Allowance #8	2 Dog Canopies & 2 Benches at 2 at Large Dog Runs
	DOORS AND FRAMES		Switched out HM for Storefront	
	DOOR HARDWARE		Switched out HM for Storefront	
	INSTALL DOORS/FRAMES/HARD WARE		Switched out HM for Storefront	Remove 10 - 4'x6' Interior Windows from previous budget
092116	STOREFRONT WINDOWS / GLASS / GLAZING GYPSUM BOARD		Switched out HM for Storefront Increased Acoustical in lieu of Hard Ceilings	remove to - 4 to micror williams from previous diaget
092116	PLASTER PLASTER		Exterior Soffits at Dog Kennels	
072100	ACOUSTICAL CEILINGS		Increased Acoustical in lieu of Hard Ceilings	
	CLIPS FOR ACOUSTICAL CEILING		Clips added per list of rooms in Qualifications	
6513 & 096716 & 096816	RESILIENT BASE, SHEET FLOORING & RUBBER SHEET FLOORING		Sealed Concrete @ Interior	
096723	RESINOUS FLOORING		Cryl-A-Quartz by Duraflex, Floors Only	Includes 6" base
098413	SOUND ABSORBING WALL UNITS	85,000	Allowance #1	
099000	PAINTING & COATINGS	158,203		
	SIGNAGE	18,672		
	FIRE EXTINGUISHERS	W/F&H Above	-	
	TOILET PARTITIONS & ACCESSORIES	13,690		
109900	MISCELLANOURS SPECIALTIES:	W/CEOXX		
	CONTROLLED SUBSTANCE CABINET	W/ F&H	Shor-Line orgininally include partial	
	PET DOORS CENTRAL PRESSURE WASH SYSTEM	W/ Mech. Sub	Shor-Eine organinary metade partiar	
	CENTRAL PRESSURE WASH STOTEM  CENTRAL VACUUM SYSTEM	W/ Mech. Sub		
	SKYLIGHTS / SONOTUBES		Includes 50 each - Added in lieu of Clearstory	
110001	ANIMAL CARE EQUIPMENT		Shor-Line (partial by others & with install)	Lighter (7 ga) gaged covers at Dog Kennels
110001	DOG KENNELS TOPS AS REQUESTED IN BRIDGING DOCUMENT		Allowance #9	Requested gaged covers at Dog Kennels
	LABOR TO INSTALL ANIMAL EQUIPMENT		Paul Cesare - Prevailing Wage Install	Original partial install was with Shor-Line number
	CAGES	See Allowance	Allowance is listed below	
	LARGE ANIMAL BARN		3 - 12x12 Barn Units	
	BARN YARD FENCING	4,447		Heavy Duty Chain Link in lieu of large animal barn fencing
	DUCK POND		Tanks, piping, concrete & misc.	
114000	FOOD SERVICE EQUIPMENT	72,697		Alternate layout & equipment
	LAUNDRY EQUIPMENT (FOB)	W/ Food Service	Consideration of the constant	
123600	EPOXY RESIN COUNTERTOPS	W/F&H Above	See items in grey above Removed by previous Value Engineering	
124813 210000	ENTRANCE FLOOR MATS AND FRAMES FIRE PROTECTION		Designed to NFPA-13 Standard	
220000	PLUMBING		Frank M Booth	Major plumbing modifications & reductions
230000	HVAC		Frank M Booth	Major HVAC modifications & reductions
DIV. 26, 27 & 28				
	IELECTRICAL		InterMountain Electric	See InterMountain Electric Information
	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS	2,534,359		See InterMountain Electric Information
		2,534,359 101,400	InterMountain Electric	
	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS	2,534,359 101,400 85,000 255,000	InterMountain Electric Allowance #4 Allowance #5 Allowance #5	See InterMountain Electric Information
-	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION	2,534,359 101,400 85,000 255,000 334,057	InterMountain Electric Allow ance #4 Allow ance #3 Allow ance #3 See site number for savings	See InterMountain Electric Information  Generator - Owner to Provide
(DIV. 31)	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only)	2,534,359 101,400 85,000 255,000 334,057 887,000	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo	See InterMountain Electric Information
(DIV. 31)	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500	InterMountain Electric Allow ance #4 Allow ance #5 Allow ance #3 See site number for savings Includes utilities & Demo Grinds w/ Demo	See InterMountain Electric Information  Generator - Owner to Provide
DIV. 31 DIV. 33	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL  DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500 W/ Earthwork	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work
(DIV. 31)	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500 W/ Earthwork	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6 Perimeter fence	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot
DIV. 31 DIV. 33 323113	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRNIG & OTHER SYSTEMS FOR TEMP FOWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES)	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500 W/ Earthwork 142,430 One Included	InterMountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot  Eliminated Front Gate & Operator
DIV. 31 DIV. 33 323113	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL  DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES) LANDSCAPE & IRRIGATION	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500 W/ Earthwork 142,430 One Included 129,000	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters Basic - Hydro Seeding	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot
DIV. 31 DIV. 33 323113	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES) LANDSCAPE & IRRIGATION OWNER ALLOWANCE - CAGES (See Exhibit F - FFE List)	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500 W/ Earthwork 142,430 One Included 129,000 70,000	InterMountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot Eliminated Front Gate & Operator Minimal Bankscapin / Naturalize most areas
DIV. 31 DIV. 33 323113	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRNIG & OTHER SYSTEMS FOR TEMP FOWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES) LANDSCAPE & IRRIGATION OWNER ALLOWANCE - CAGES (See Exhibit F - FFE List) TESTING	2,534,359 101,400 85,000 255,000 334,057 887,000 23,500 W/ Earthwork 112,430 One Included 129,000 70,000 BY OWNER	InterMountain Electric Allow ance #4 Allow ance #5 Allow ance #5 Allow ance #3 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters Basic - Hydro Seeding Allow ance #2	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot Eliminated Front Gate & Operator Minimal Bankscapin / Naturalize most areas
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DIV. 31 DIV. 33 323113	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES) LANDSCAPE & IRRIGATION OWNER ALLOWANCE - CAGES (See Exhibit F - FFE List) TESTING GENERAL CONDITIONS SUPERVISION SUBSISTENCE / TRUCK ALLOWANCE HOUSING EQUIPMENT RENTAL GAS, FUEL, MAINTENANCE SWPPP  SUB - TOTAL OF ALL ABOVE LIABILITY INSURANCE BULLDERS RISK INSURANCE BULLDERS RISK INSURANCE BULDERS RISK INSURANCE BOND	2,534,359 101,400 85,000 235,000 235,000 W/ Earthwork 142,430 One Included 70,000 BY OWNER 274,749 775,704 58,610 64,310 39,250 45,925 68,134 16,062,375 177,488 59,098 148,049	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters Basic - Hydro Seeding Allow ance #2	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot Eliminated Front Gate & Operator Minimal landscaping / Naturalize most areas No Change - per Addendum #4  Mark-up was not added to Ow Allowance in original budget, attached change order, mark- was added at 5.00%; BIT wa previously incorporated and i
DIV. 31 DIV. 33 323113	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES) LANDSCAPE & IRRIGATION OWNER ALLOWANCE - CAGES (See Exhibit F - FFE List) TESTING GENERAL CONDITIONS SUPERVISION SUBSISTENCE / TRUCK ALLOWANCE HOUSING EQUIPMENT RENTAL GAS, FUEL, MAINTENANCE SWPPP  SWPPP  SUB - TOTAL OF ALL ABOVE LIABILITY INSURANCE BUILDERS RISK INSURANCE BOND OHAPROFIT - CONSTRUCTION COSTS	2,534,359 101,400 85,000 255,000 235,500 23,500 W/ Earthwork 142,430 One Included 129,000 70,000 BY OWNER 274,749 58,610 64,310 39,250 68,134 16,062,375 177,488 59,098 148,049 986,821	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters Basic - Hydro Seeding Allow ance #2	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot Eliminated Front Gate & Operator Minimal landscaping / Naturalize most areas No Change - per Addendum #4  Mark-up was not added to Ow Allowance in original budget, attached change order, mark- was added at 5.00%; BIT wa previously incorporated and i
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DIV. 31 DIV. 33	PA SYSTEM WITH 120 INTERIOR & 8 EXTERIOR SPEAKERS ATS / WIRING & OTHER SYSTEMS FOR TEMP POWER HAZMAT REMOVAL DEMOLITION EARTHWORK (Fire Road is AB only) STRIPING & SEAL COAT SITE UTILITIES CHAIN LINK, FENCE & GATES GATE OPERATOR (ADD \$20,000 FOR SLIDE GATES) LANDSCAPE & IRRIGATION OWNER ALLOWANCE - CAGES (See Exhibit F - FFE List) TESTING GENERAL CONDITIONS SUPERVISION SUBSISTENCE / TRUCK ALLOWANCE HOUSING EQUIPMENT RENTAL GAS, FUEL, MAINTENANCE SWPPP  SUB - TOTAL OF ALL ABOVE LIABILITY INSURANCE BUILDERS RISK INSURANCE BOND OH / PROFIT - CONSTRUCTION COSTS GEO TECHNICAL REPORT ARCHITECTURAL FEES OH / PROFIT - ARCHITECTURAL FEES	2,534,359 101,400 85,000 255,000 235,000 235,000 W/ Earthwork 142,430 One Included 129,000 70,000 BY OWNER 274,749 58,610 64,310 39,250 45,925 68,134 16,062,375 177,488 59,098 118,049 986,821 20,000 885,000	InterNountain Electric Allow ance #4 Allow ance #5 Allow ance #5 See site number for savings Includes utilities & Demo Grinds w/ Demo Included in Earthwork number Reduce to single gate & 6' perimeter fence Includes 20 transmitters Basic - Hydro Seeding Allow ance #2	See InterMountain Electric Information  Generator - Owner to Provide  AB & Base provided by demo sub from demolition work  Save North fence at back of existing parking lot Eliminated Front Gate & Operator Minimal Bankscapin / Naturalize most areas
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#### ALTERNATE ITEMS NOT INCLUDED ABOVE (all items include insurance, bonds & Fee)

ELECTRICAL ITEMS / ADD TO BRIDGING DOCUMENTS				
Door Access - Original 6 Doors in the Bridging Documents	S	88,878.00	Alternate #1	Need acceptance 6 months prior to completion of new building
Door Access - Add 21 Doors to the original 6 Doors in the Bridging Documents noted in line above	S	107,958.00	Alternate #2	Need acceptance 6 months prior to completion of new building
Alternate to only install security conduit & trenching only to 24 doors	S	42,950.00	Alternate #3	Need acceptance by completion of building pad grading
AV & AV Control Systems - add Cable back to MDF at each	S	8,716.00	Alternate #4	Need acceptance by completion of building pad grading
MISC. ITEMS TO ADD BACK THAT WHERE REMOVED ABOVE				
Landscaping that was removed - Base bid includes sleeves under concrete & AC, BFP & Hydro Seeding	S	181,824.00	Alternate #5	Need acceptance 2 months prior to completion of new building
MISC. ITEMS TO ADJUST OR ADD				
Add in Shade Structure and Park Benches in Small Dog Yards (different than those in Allowance #9)	S	23,577.00	Alternate #6	Need acceptance 3 months prior to completion of new building



### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 13

Date: 9/21/2018

**Architect's Project:** 

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

ZNE Measures - Photovoltaic System Carport/ Roof V4

8008 ZNE Measures - Photovoltaic System Carport/ Roof V4

\$1,066,659.62

Scott Gurley

DocuSigned by:

Robert Hennessy

Sam Lin

4/16/2020

Assistant Director

DocuSigned by:

4/16/2020

Scott Gurley Robert Hennessy -AB3B77D60A0D483...

\$1,066,659.62

DocuSigned by:

Sam lin EE1B7F4B372C432...

\$1,066,659.62

The original Contract Amount	t was			\$19,699,197.00
Net change by previously aut	thorized Chang	e Orders		\$1,883,252.00
The Contract Amount prior to	this Change C	rder was	Company of the second	\$21,582,449.00
The Contract will be increase	d by this Chan	ge Order in the amount of		\$1,066,659.62
The new Contract Amount inc	cluding this Cha	ange Order will be		\$22,649,108.62
The Contract Time will be inc The date of Substantial Com	*	ays. e date of this Change Order therefore	is	
LDA PARTNERS		FH CONSTRUCTION	Jacobs	
ARCHITECT		CONTRACTOR PO BOX 2329 LODI, CA 95241	OWNER	
(Signatura)	,	Daviel Hoff (Signature)		QUEST 8008
(Signature)	2.10	Daniel Hoff		QUEST 8008
Ву		By 9/21/18		QUEST 8008
Date		Date /	Date	



### Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.01

Change Order: 3

Date: 9/21/2018

To Contractor:

INTERMOUNTAIN ELECTRIC COMPANY 947 WASHINGTON STREET

SAN CARLOS, CA 94070

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

ZNE Measures - Photovoltaic System Carport/ Roof V4

Design, furnish and install 240 kW-DC carport photovoltaic system, approx. 20 kW will be installed on top of auxillary metal storage building.

	Cost		Change		
Extra	Code	Cat	Request	Description	Amount
	16-0100	S	8008	Intermountain Electric - PV System	\$920,493.03

The original Contract Amount was		\$2,482,359.00
Net change by previously authorized Change Orders		\$191,335.12
The Contract Amount prior to this Change Order was		\$2,673,694.12
The Contract will be increased by this Change Order in the amount of		\$920,493.03
The new Contract Amount including this Change Order will be		\$3,594,187.15

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

Signature)

By 9/2/18

Date



### Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.03 DB

Change Order: 5

Date: 9/21/2018

To Contractor:

LDA PARTNERS 222 CENTRAL COURT

STOCKTON, CA 95204

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

ZNE Measures - Photovoltaic System Carport/ Roof V4

Architectural, Structural and Civil Design coordination of 240 kW-DC carport photovoltaic system, approx. 20 kW will be installed on top of auxillary metal storage building.

	Cost		Change		
Extra	Code	Cat	Request	Description	Amount
	01-0200	S	8008	LDA Partners Design	\$9,692.00

The original Contract Amount was \$885,000.00

Net change by previously authorized Change Orders \$67,683.00

The Contract Amount prior to this Change Order was \$952,683.00

The Contract will be increased by this Change Order in the amount of \$9,692.00

The new Contract Amount including this Change Order will be \$962,375.00

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

Daniel Hoff

9/21/19 Date



#### Change Request

To: Robert Hennessy Jacobs Number: 8008 Date: 11/29/17

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: ZNE Measures - Photovoltaic System Carport/ Roof V4

Reason: Owner Request

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Design, furnish and install 240 kW-DC carport photovoltaic system, approx. 20 kW will be installed on top of auxillary metal storage building. Attached document include proposed layout and carport detail. The additional scope will add 15 working days to the construction schedule.

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0042	Field Office Administration					\$44,052.00	\$44,052.00
01-0200	LDA Partners Design				\$9,692.00		\$9,692.00
16-0100	Intermountain Electric - PV System				\$920,493.03		\$920,493.03
01-0950	Earthwork					\$11,046.00	\$11,046.00
						Subtotal:	\$985,283.03
			Markup - Subco	ontractor (5%)	\$930,185.03	5.00 %	\$46,509.25
			Markup - Dire	ct Cost (15%)	\$55,098.00	15.00 %	\$8,264.70
				BIT	\$985,283.03	2.70 %	\$26,602.64
						Total:	\$1,066,659.62

Please note that FH CONSTRUCTION will require an extra 15 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Charles Ferrell

F & H CONSTRUCTION

Approved by:

Date:



SCOPE:

V4 ZNE MEASURES - PHOTOVOLTAIC SAN MATEO COUNTY ANIMAL SHELTER

SPEC. No.	DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	BUDGET AMOUNT	NOTES
01000	DIVISION 1 - GENERAL CONDITIONS					-
	DESIGN					
	LDA PARTNERS (ROM)	1	LS	\$9,692.00	9,692	
	CONSTRUCTION	15	DAYS		-	
	F&H CONSTRUCTION EXTENDED OVERHEAD (SCOPE)	15	DAYS	\$2,936.80	44,052	
	DIVISION 16 - ELECTRICAL			1		
16000	ELECTRICAL	1	LS	\$920,493.03	920,493	
310000	DIVISION 31 - EARTHWORK					
	OFF-HAUL SPOILS	1	LS	\$11,046.00	11,046	
	TESTING				BY OWNER	
	SUB - TOTAL OF ALL ABOVE	985,283				
	BIT				26,603	
	MARKUP - SUBCONTRACTOR (5%)				46,509	
	MARKUP - DIRECT COST (15%)				8,265	
	TOTAL				1,066,659.62	

# ANIMAL SHELTER COUNTY OF SAN MATEO

1 Month Duration

1.00

GENERAL REQS. & CONDITIONS  DESCRIPTION	QTY.	UNIT	MATL. U. PRICE	LABOR U. PRICE	MATERIAL TOTAL	LABOR TOTAL	BID TOTAL
PAPER WORK ITEMS						of the state	
CPM SCHEDULING							
MONTHLY UPDATES - 2 HRS / MO	1.0	EA	300.00	0.00	300	0	300
MISC, ITEMS							
BLUEPRINTING	1.0	МО	700.00	0.00	700	0	700
SHIPPING / MAIL	1.0	МО	120.00	0.00	120	0	120
			0	SUBTOTAL	1,120	0	1,120
SUPERVISION					11		
PROJECT MANAGER (40 HOURS)	1.0	МО	0.00	5,400.00	0	5,400	5,400
ASSISTANT PROJECT MANAGER (FULL TIME)	1.0	МО	0.00	15,051.00	0	15,051	15,051
				SUBTOTAL	0	20,451	20,451
VEHICLE ALLOWANCE							
PROJECT MANAGER (40 HOURS)	1.0	МО	150.00	0.00	150	0	150
ASSISTANT PROJECT MANAGER (FULL TIME)	1.0	МО	500.00	0.00	500	0	500
				SUBTOTAL	650	0	650
HOUSING							
BRIDGE TOLLS - 1 PER WEEK	4.0	EA	5.00	0.00	20	0	20
FAST PASS BYPASS - 1 PER WEEK	4.0	EA	3.50	0.00	14	0	14
* * * * * * * * * * * * * * * * * * *				SUBTOTAL	34	0	34
FUEL / OIL / MAINTENANCE							2
PROJECT MANAGER	1.0	МО	50.00	0.00	50	0	50
ASSISTANT PROJECT MANAGER	1.0	МО	200,00	0.00	200	0	200
				SUBTOTAL	250	0	250
				TTL ABOVE	2,054	20,451	22,505
				DESIGN D	AILY OVERHEA	AD COSTS	750.2

# ANIMAL SHELTER COUNTY OF SAN MATEO

1 Month Duration

1.00

GENERAL REQS. & CONDITIONS			MATL.	LABOR	MATERIAL	LABOR	BID
DESCRIPTION	QTY.	UNIT	U. PRICE	U. PRICE	TOTAL	TOTAL	TOTAL
MISC. ITEMS							
LA YOUT - FOREMAN ON SITE	24.0	HR	4.00	72.50	96	1,740	1,836
TEMPORARY FENCE - RENT AFTER 12 MO	1,400.0	LF	0.25	0.00	350	0	350
OFFICE EQUIPMENT & SUPPLIES - MO	1.0	МО	375.00	0.00	375	0	375
DRINKING WATER	1.0	МО	120.00	0.00	120	0	120
SAFETY SUPPLIES	1.0	MO	210.00	0.00	210	0	210
TRAILER MONTHLY	1.0	MO	621.00	0.00	621	0	621
STORAGE SHED (2 EACH)	2.0	EA	102.00	0.00	204	0	204
TEMP UTILITIES							
POWER - TIE-IN TO EXISTING		- 2	1				
CORDS & DISTRIBUTION - 30 MIN. / DAY	1.0	MO	100.00	787.50	100	788	888
MONTHLY	1.0	МО	702.00	0.00	702	0	702
TEMP HEAT & AIR CONTROL IN BUILDING	1.0	МО	1,000.00	787.50	1,000	788	1,788
WATER							
HOSE & DISTRIBUTION	1.0	LS	50.00	300.00	50	300	350
SECURITY CAMERA - START				7			
SECURITY CAMERA - MONTHLY	1.0	МО	650.00	0.00	650	0	650
TELEPHONE							
MONTHLY	1.0	MO	250.00	0.00	250	0	250
MONTHLY CELL PHONE (PM, SUPER, PE)	3.0	МО	118.00	0.00	354	0	354
PAPER WORK ITEMS		et onless				Commercial	
CPM SCHEDULING					The second secon		
MONTHLY UPDATES - 16 HRS / MO	1.0	EA	2,400.00	0.00	2,400	0	2,400
AS-BUILTS PRINTING COSTS	1.0	LS	75.00	0.00	75	0	75
OWNERS ITEMS	1000000					ALC: NO.	
TRIPLE WIDE TRAILER FOR PUBLIC USAGE							
RAMPS AND TEMP ACCESS @ PUBLIC AREA	1.0	MO	105.00	0.00	105	0	105
TRAILER MONTHLY - DOUBLE WIDE	1.0	MO	1,257.00	0.00	1,257	0	1,257
SEPTIC ABOVE GROUND AT TRAILER							
HOLDING TANK RENTAL	1.0	EA	59.40	0.00	59	0	59
PUMP OUT TANKS	1.0	EA	162.00	0.00	162	0	162
PORTABLE TOILET							
PORTABLE TOILET W/ SINK - 2	2.0	EA	108.60	0.00	217	0	217
DUAL HANDWASH STATIONS	1.0	EA	65.40	0.00	65	0	65
PUMP OUT AND SERVICE TOILETS	6.0	EA	43.20	0.00	259	0	259
OWNER EQUIP - STORAGE SHED (IN & OUT COST	2.0	EA	102.00	0.00	204	0	204
MISC. ITEMS							
PORTABLE TOILETS							
PORTABLE TOILET W/ SINK	3.0	EA	102.60	0.00	308	0	308
DUAL HANDWASH STATIONS	1.0	EA	59.40	0.00	59	0	59
PUMP OUT AND SERVICE TOILETS	12.0	EA	37.80	0.00	454	0	454
BLUEPRINTING	1.0	МО	35.00	0.00	35	0	35
ROAD AREA & MAINTENANCE / SITE CLEANING	1.0	МО	150.00	576.00	THE LANGE OF	576	720

				DAILY	OVERHEAD O	OSTS	2,936.8
				TTL ABOVE	24,335	63,769	88,104
				SUBTOTAL	3,276	0	3,276
MAINTENANCE	2.0	EA	125.00	0.00	250	0	250
MISC. EQUIPMENT	1.0	МО	300.00	0.00	300	0	300
FORKLIFT	1.0	МО	500.00	0.00	500	0	500
PROJECT ENGINEER	1.0	МО	400.00	0.00	400	0	400
SUPERINTENDENT	1.0	МО	901.00	0.00	901	0	901
PROJECT MANAGER	1.0	МО	925.00	0.00	925	0	925
FUEL / OIL / MAINTENANCE			•	CODIOTAL	2,120	U	2,720
MISCELLANEACOS	1.0	IVIO	300.00	SUBTOTAL	2,720	0	2,720
FORKLIFT - BOOM TYPE MISCELLANEAOUS	1.0	MO MO	2,420.00 300.00		300	0	300
EQUIPMENT RENTAL	1.0	MO	2 420 00	0,00	2,420	0	2,420
EQUIDMENT DENTAL				SUBTOTAL	3,602	0	3,602
FAST PASS BYPASS - 4 PER WEEK	12.0	EA	3.50	0.00	42	0	42
BRIDGE TOLLS - 4 PER WEEK	12.0	EA	5.00		60	0	60
HOUSING - SHARED PM & SUPERINTENDENT	1.0	МО	3,500.00	0.00	3,500	0	3,500
HOUSING							
WOMONYO			9	SUBTOTAL	0	1,495	1,495
FIELD - SUPERINTENDENT	1.0	МО	0.00	NAMES OF TAXABLE PARTY.	0	725	725
PROJECT MANAGER	1.0	MO	0.00	770.00	0	770	770
SUBSISTENCE / TRAVEL			2	200.200			
<u>*</u>				SUBTOTAL	2,175	0	2,175
PROJECT ENGINEER	1.0	МО	450.00	0.00	450	0	450
FIELD - ASSIST 50% OF TIME	1.0	МО	375.00	0.00	375	0	375
FIELD - SUPERINTENDENT	1.0	МО	750.00	0.00	750	0	750
PROJECT MANAGER	1.0	МО	600.00	0.00	600	0	600
VEHICLE ALLOWANCE							
				SUBTOTAL	0	56,571	56,571
PROJECT ENGINEER	1.0	MO	0.00	8,650.00	0	8,650	8,650
FIELD - SITE FOREMAN 80 HRS/MO	1.0	MO	0.00	-	0	15,397	15,397
FIELD - SUPERINTENDENT	1.0	MO	0.00	15,916.00	0	15,916	15,916
PROJECT MANAGER	1.0	МО	0.00	16,608.00	0	16,608	16,608
SUPERVISION				SOBIOTAL	12,302	3,703	10,203
YARD SERVICE	1.0	EA	275.00	0.00 SUBTOTAL	12,562	5,703	18,265
DUMPSTERS / RECYCLING / LEED	1.0	EA	825.00	0.00	825 275	0	825 275
PROGRESS CLEANING - 1 HRS / DAY	1.0	MO	100.00	1,512.00	100	1,512	1,612
SHIPPING / MAIL	1.0	МО	120.00	0.00	120	0	120
SMALL TOOL PURCHASE & RENT	1.0	МО		0.00	350	CONTRACTOR OF	

JOB:

03000

ANIMAL SHELTER REPLACEMENT - ZNE SOLAR CARPORTS

CITY: SAN MATEO, CA

OFF-HAUL FOOTING SPOIL

LS

COMPOSITE MH RATE \$7

\$1,559

\$74.14 SELF PERFORM VERSION

BAY AREA

======

12.6

\$936

By:

\$450

F&H CONSTRUCTION

\$8,100

\$11,046

Date: 12/18/17

CODE			U.O.M.	PROD RATE	U.O.M.	MA' @ UNIT	TERIAL PRICE	@ UNIT	LABOR PRICE	MH	@ UNIT	PRICE	SUBCO @ UNIT	PRICE	LINE
03000	OFF-HAUL FOOTING SPOIL														
	OFF-HAUL - LOAD AT SITE (18 FOOTINGS, 12' X 6' X 2'6")	120	CY	9.5	CY/MH	\$0.99	\$119	\$7.80	\$936	12.6	\$3.75	\$450		\$0	\$1,506
	TRUCKING OF OFF-HAUL - 6 HOURS ROUND TRIP	120	CY	1	LS		\$0	-	\$0	0.0		\$0	\$68	\$8,100	\$8,100
	DUMP FEE FOR OFF-HAUL	120	CY	1	LS	\$12.00	\$1,440		\$0	0.0		\$0		\$0	\$1,440



DESIGNERS & ARCHITECTS

18 December 2017

Mr. Daniel Hoff Project Manager F&H Construction 1115 East Lockeford Street Lodi, CA 95240

Re:

San Mateo Animal Shelter - Solar - Carports

Dear Daniel:

Listed below are anticipated additional hours to be expended by our team for the project design for the addition of the solar components for the San Mateo Animal Shelter.

Change Summary		LDA Partners					
Project:	S	an Mateo Anima	l Shelter				
Reference:	2	Solar - ZNE (ca	rports)				
Name		Rate	Hours	Cos	t		
Eric Wohle	Principal	\$ 200.00	4	\$	800.00		
Carolyn Natividad	Project Architect	\$ 175.00	10	\$	1,750.00		
Ramiro Rivas	Drafting	\$ 135.00	16	\$	2,160.00		
Thorton Thomasetti				- 0	-		
Theresa Curtis	Senior Associate	\$ 225.00	Ь	\$	1,350.00		
Sipan Yavarian	Project Engineer	\$ 180.00	10	\$	1,800.00		
O'Dell							
Mike Perzak	Principal	\$ 200.00	2	\$	400.00		
Eric Villalobos	Project Engineer	\$ 179.00	8	\$	1,432.00		
Total	1 * 2 2			\$	9,692.00		

If you have any questions, please let me know.

Cordially.

Eric W. Wohle, A.I.A., LEED ap

Partner



#### Intermountain Electric

947 Washington Street San Carlos, CA 94070 Telephone: 650.591.7118 Fax: 650.591.7123

F & H Construction Contact: Stephen Slebly CHANGE ORDER

12

Date:

6/6/2018

Project Name: Project Number: SMAS - Animal Shelt SMAS - Animal Shelt

Page Number:

SIVIAG

REF:

### PROPOSED CHANGE ORDER

#### **Work Description**

Install a 240,120 W-DC (240.12kW) carport solar system

includes:

footing, carport structure, solar panel,s and inverter's and trenching. No off-haul of spoils are included

Please review all Add alternates on Carport Quote for additional features

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

We will supply and install all materials, labor, and equipment as per your instructions on .

#### Itemized Breakdown

Description	Qty	Net Price	J Total Mat.	Labor U	Total Hrs.
Grounding	100	5.34	534.00	0.30E	30.00
DC Wire	552	4.29	2,368.08	0.48 E	264.96
AC Conduit	552	25.60	E 14,131.20	0.40E	220.80
Inverter	7	1.46	E 10.22	6.00E	42.00
AC Wire	552	28.80	15,897.60	0.23E	126.96
Carport A	1	250.00 E	250.00	1.00E	1.00
Carport B	1	250.00	250,00	1.00E	1.00
Carport C	1	250.00	250.00	1.00E	1.00
Equip Gradall -Crane	1	3,040.00	∃ 3,040.00	1.00 E	1.00
Layout UG and Utility locating	1	975.00	975.00	8.00E	8.00
AC Disco at Elect room	1	28.30	28.30	6.32E	6.32
Foreman- Schedule ext	298	0.00	0.00	1.00E	298.00
JW Schedule Ex	298	0.00	0.00	1.00E	298.00
Totals	2,365		37,734.40		1,299.04

#### Summary

General Materials PANELS CARPORT STRUCTURE INVERTERS A/C PNLS AND DISCO SPREAD FOOTINGS Material Tax	(@ 9.250 %)		,	37,734.40 223,000.00 230,000.00 30,022.44 18,445.00 78,650.00 57,151.30
Malenarrax	(@ 8.250 %)		,	57,151.50

Material Total

GENERAL FOREMAN

(38.97 Hrs @ \$153.86)

67**5,003.14** 5,995.92

#### PROPOSED CHANGE ORDER

Intermountain Electric 947 Washington Street San Carlos, CA 94070

F & H Construction

CHANGE ORDER

12

Date:

Project Name: Project Number:

6/6/2018 SMAS - Animal Shelt SMAS - Animal Shelt

Page Number:

REF:

Summary (Cont'd)		
JOURNEYMAN 617	(297.51 Hrs @ \$142.66)	42,442.78
FOREMAN 617 @ 25%	(297.51 Hrs @ \$127.40)	37,902.77
Foreman-Schedule ext	(297.50 Hrs @ \$9.32)	2,772.70
JW- Schedule Ext	(297.50 Hrs @ \$6.61)	1,966,48
SAFETY @ 1%	(12.99 Hrs @ \$76.94)	999.45
ENGINEERING	(80.00 Hrs @ \$135.00)	10,800.00
Subtotal		777,883.24
Markup	(@ 15.000 %)	108,109.79
Subtotal		885,993.03
Trenching	(\$30,000.00 + 0.000 % + 0.000 % + 15.000 %)	34,500.00
Subtotal	•	920,493.03
Final Amount	•	\$920,493.03
CONTRACTOR CERT	IFICATION	
OUTTINACTOR OLIVI	I JOATION	
		i
Name:		1
Datas		1
Date:		
		ļ
Signature:		
I hereby certi	fy that this quotation is complete and accurate based on the Information provided.	
CLIENT ACCEPTANC	F	***************************************
		,
CHANGE ORDER 1	12	-
Final Amount:	5920,493.03	· .
	,	
Name:		
	,	
Date: _		
Signature: _		
Change Order #:	hereby accept this quotation and authorize the contractor to complete the above described work	
	потову восерь има физичния шиничних кто вознавом то колпрово ито восто ососности под	

### SUNPOWER'

SunPower Commercial Quote BOM Date : December 14, 2017 ote No. 17-1528014 - valid until January 13, 2018

	Quote No. 17-1	529014 - valld until January 13, 2018	
SunPower: SunPower Cor	poration, a Delaware Corporation	Partner: InterMountain Electric Company	
SunPower's Address &	Contact Information:	Partner's Address & Contact Information:	
SunPower Corporation		InterMountain Electric Company	
77 Rio Robles		947 Washington Street	
San Jose, CA 95134		San Carlos, CA, 94070	
Phone:	1-855-977-7867		(650) 591-7119
Fax:	1-408-877-1808		
SunPower Partner Suppor	t Representative	Partner Contact:	
Name:	Chona Enriquez		Brandon Bradford
Phone number:	1-855-977-7867		650) 591-7118
Emall:	cvar.psr@sunpowercorp.com		brandon@im-electric.com
PURCHASE INFORMATION		- International Control of the Contr	
	San Mateo Animal Shelter		
			Base Price
System:		Nuls.	\$ 214,816.05
*		July	\$ 214,010,00
	1.2 Additional Items		•
	1.3 Less: Inverter Bundle Credit		Not Included
	1.4 Sales Tax		Not included
	1.5 Freight - Prepaid and added to final inve	DICE	
	the state of the s	I new orders have two components: (1) a "Base Pric	Total Base Amount \$ 214,816.05
Terms of Sale:	prior to the order delivery date. For instance, any Commission is an example of a variable which we zero.  c) As of the effective date of this quotation, the d) Without notice, SunPower may impose a Variett the total cost to SunPower are announced e) SunPower will notify Dealers with open cast Dealers will have the right to cancel such orders payments made by Dealer in respect of orders is	riable Price on all new orders in the event any new t	currently before the International Trade a Variable Price component greater than laxes, tariffs or other variables which may position of a Variable Price greater than zero, if the new Total Price, and any down loss not respond to SunPower's notification
Schedule of Payments :	- Down Payment of \$10,741 shall be due 60 day - Pre-payment is due 7 days before Delivery Da - Final Invoice issued upon Proof of Delivery, pa	le If Involce balance exceeds Partners's available cr	edit.
Instructions to Place Order:	authorized employee. Once received, SunPower	rom the top of this quote) to <a href="mailto:cvar.psr@sunpowercc">cvar.psr@sunpowercc</a> r will confirm receipt of PO, product availability and reten approval by SunPower. An order is considered the Dealer agree to schedule delivery date via emailto:	equested delivery. Once accepted, orders "accepted" after SunPower receives a valid

**Bill of Materials** 

		Included In Standard	Additional Items*	Total EST QTY*
ITEM	DESCRIPTION	System	(Optional)	
518081	PVM, SPR-E20-435-COM, 4 B1 PV4 1KV L	531	0	531

#### NOTES:

1 BOM for PV-Only 2 BOM by CTE

( Modules are silver framed)

3 Parts under Additional Items will be an additional cost to the System Price.

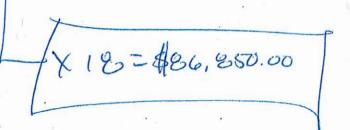
SMAS (Intermountain)



631 W Commerce Avenue • Glibert, AZ 85233 • 480-926-0122 • Fax: 480-926-9178 • www.skylinesolaraz.com

1.3 ADDITIONAL OPTIONS AND POSSIBLE REQUIREMENTS ON TOP OF BASE PRICE

	Price	Initials of Acceptance	Option
ADD:	\$23,250,00		FOR (31) EXPOSED PIER FOOTINGS. (24" DIAMETER X 30" TALL)
Requirement	\$4.825.00		PER SPREAD SPREAD FOOTINGS BASED ON 12'-0" X 6'-0" X 2'-6". NOTE THIS MAY BE REQUIRED IF BORING HOLES CANNOT HAPPEN, WE WILL REVERT TO A SPREAD FOOTING CAUSING A PRICE INCREASE. NOTE: A GEOTECH REPORT CAN HELP TO PREDICT
ADD:	\$7,750.00		FOR (31) REBAR CAGES, (18" DIAMETER X 11'-6" TALL). REBAR CAGES ARE ONLY REQUIRED ON DSA JOBS,
ADD:	\$14,725,00		FINISH PAINT FOR (31) COLUMNS AND BEAMS .
ADD:	\$36,500,00		FOR HOT DIPPED GALVANIZING OF (31) COLUMN AND BEAMS ONLY,
ADD:	\$18,525,00		FOR INSTALLATION OF (528) DS-E20 Series SunPower (435W) 435 WATT SOLAR MODULES WITH DOUBLE TEK SCREW
ADD:	\$2.775.00		FOR SKYGRIP' A MODULE TOP-CLAMP WITH GROUNDING FUNCTION, ETL-LISTED UL467 FOR USE ON CARPORTS, GROUND MOUNTS, AND ROOFTOP RACKING SOLUTIONS, REMOVING THE NEED FOR GROUNDING LUGS COPPER WIRE AND FASTENERS, WITH DOUBLE TEK SCREW CONNECTION, WITH ELCO HEAF690 2" LONG SELF DRILLING TEK SCREWS, TEK SCREWS INCLUDED IN PRICE OF SKYGRIP CLAMPS.
ADD:	\$1,850.00		THRU BOLT CONNECTION/ OPTION FOR NOT GOING WITH A TEK SCREW.
ADD:	\$3,700.00		FOR SPOILS REMOVAL, SKYLINE SOLAR WILL NOT BE RESPONSIBLE FOR THE REMOVAL OF ANY SPOILS, <u>SPOILS IS FREE IF</u> <u>DUMPSTER/CONTAINTER IS PROVIDED</u> . SKYLINE SOLAR WILL LOAD SPOILS INTO AN ON SITE DUMPSTER, IF A DUMPSTER IN PROVIDED IN ADVANCED BY OTHERS, OR WILL LOAD INTO A DUMPTRUCK, IF DUMPTRUCK IS PREARANGED BY OTHERS, AS LONG AS SKYLINE SOLAR IS ON SITE. IF OPTIONED PRICE FOR SPOILS IS NOT SELECTED AND NO DUMPSTER OR DUMPTRUCK HAS BEEN PREARANGED, SPOILS WILL BE PILED UP ON SITE AND NEED TO BE REMOVED BY OTHERS.
Requirement	\$400.00	)	FOR EACH LOW PROFILE EXPOSED PIERS IN PLANTERS. (6" x 24" DIA) ****THIS OPTION IS REQUIRED IF COLUMNS ARE LOCATED IN LANDSCAPING SUCH AS GRASS OR DIRT. IF NOT SELECTED PRIOR TO CONSTRUCTION. THIS WILL END UP BEING A <u>CHANGE ORDER</u> FOR COLUMNS THAT END UP BEING LOCATED IN LANDSCAPING. THIS CLAUSE IS ALSO LOCATED IN SECTION 3.2.15.
ADD:	\$300.00		FOR EACH HOLE THAT REQUIRES CONCRETE TO BE CUT BEFORE DRILLING CAN PROCEED
ADD:	Included	Included	FOR EACH HOLE THAT REQUIRES ASPHAULT TO BE CUT BEFORE DRILLING CAN PROCEED
ADD:	\$500.00		FOR EACH PROFILE REQUEST FROM CUSTOMER TO REVISE OR REDESIGN THE STRUCTURE. THIS WILL CAUSE MORE WORK FOR THE REGINEERS TO REVISE STRUCTURAL DRAWINGS OR CALCULATIONS.



SMAS (Intermountain)



631 W Commerce Avenue • Gilbert, AZ 65233 • 480-926-0122 • Fax: 480-926-9178 • www.skylinesolaraz.com

#### 1.2 Base Price

BASE PRICE FOR (FARRICATE & INSTALL)
ENGINEERING
TOTAL PRICE INCLUDING TAX FOR (FABRICATE & INSTALL)



BASE PRICE DOES NOT INCLUDE TAX OF ANY KIND. PRICE MAY CHANGE AFTER ENGINEERING HAS BEEN DONE, PRICE IS ONLY GOOD FOR (7) DAYS DUE TO THE DAILY FLUCTUATION IN STEEL PRICE, SKYLINE STEEL INC. RESERVES THE RIGHT TO REPRICE MATERIAL COST AT TIME OF AWARD.

MEMBERS AND CONNECTIONS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF AISC SPECIFICATIONS, EXCLUDES LANDSCAPE, TREE REMOVAL, LANDSCAPE BRIGATION REMOVAL OR REPAIR.



11505 DUBLIN BLVD UNIT 1 **DUBLIN CA 94568-2854** Phone: 925-557-3000 Fax: 925-557-3030

To:

INTERMOUNTAIN ELEC CO

947 WASHINGTON STREET SAN CARLOS CA 94070-5316

Attn:

BRANDON BRADFORD

Fax:

Phone: 650-591-7118 650-591-7123

Email:

Date:

12/14/2017

Proj Name:

SAN MATEO ANIMAL SHELTER 0229052059

GB Quote #: Valid From:

12/14/2017

Valid To: Contact:

01/13/2018 **MELODY CERRADO** 

Email:

melody.cerrado@graybar.com

Proposal
We Appreciate Your Request and Take Pleasure in Responding As Follows

ltem	Quantity	Supplier	Catalog Nbr	Description	Price U	nit	Ext.Price
100	7 EA	SMA	SUNNY TRIPOWE	R	\$3,850.34	1	\$26,952.38
***Item N	Note:*** S	MA, Sunny Tripo WDM-US-10, (Us	ower 30000TL INVERTER ONL se with DC Disconnect: CU 10	Y, Grid tied inverter, 3-P 00-US-10, #580-0113), S	h, 30kW, 480VAC, 60F TP30000TL-US-10	łz, 1000VI	C, with installed
				-	4400.50		
200	7 EA	SMA	SUNNY TRIPOWE		\$438.58	1	\$3,070.06
3			DC CONNECTION UNIT				
+++11 h	Note:*** S	MA, Sunny Tripo	ower DC Connection Unit, order 1000V, (add 16 midget 1000VI	er this item separately in	addition to STP 12/1	5/ 20/ 240	00TL-US-10

Total in USD (Tax not included):

\$30,022.44

INVERTERS

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com

24-Hour Emergency Phone#: 1-800-GRAYBAR



## Change Order

D	ro	in	-	4.

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 14

Date: 10/4/2018

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Water Main Relocation - Burlingame

8016 Water Main Relocation - Burlingame

\$286,761.25

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

Assistant Director

4/16/2020

DocuSigned by:

Scott Gurley \_\_D149DF838EF04D7... DocuSigned by:

Robert Hennessy —AB3B77D60A0D483...

\$286,761.25

DocuSigned by:

Sam Lin —EE1B7F4B372C432...

\$286,761.25

The original Contract Amount v	he original Contract Amount was						
Net change by previously author	orized Change Orders		\$2,949,911.62				
The Contract Amount prior to the	The Contract Amount prior to this Change Order was						
The Contract will be increased	by this Change Order in the amount of		\$286,761.25				
The new Contract Amount inclu	ıding this Change Order will be		\$22,935,869.87				
The Contract Time will be unch	anged.						
The date of Substantial Comple	etion as of the date of this Change Order therefor	re is					
LDA PARTNERS	FH CONSTRUCTION	Jacobs					
ARCHITECT	CONTRACTOR PO BOX 2329 LODI, CA 95241  Devint Hoff	OWNER					
(Signature)	(Signature)	(Signature)					
Ву	By 12/10/18	Ву					
Date	Date	Date					



#### Change Request

To: Robert Hennessy

Jacobs

Number: 8016 Date: 8/28/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Water Main Relocation - Burlingame

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Added water main and onsite water utilities per Plan Check #5 dated 8/8/18. See Attached Drawings.

Additional fees for meters, special inspections not included.

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0200	Property Line Survey				\$25,000.00		\$25,000.00
01-0200	Drafting/Engineering				\$5,175.00		\$5,175.00
31-2200	Water Main Modifications and ACP Removal				\$177,996.00		\$177,996.00
31-2200	Water Main Onsite Modifications				\$47,969.02		\$47,969.02
31-2200	Traffic Control (Self-Performed)					\$3,500.00	\$3,500.00
						Subtotal:	\$259,640.02
			COMPO	NENT 3 - BIT	\$259,640.02	2.70 %	\$7,010.28
	C	OMPONENT 1	- SELF PERFOR	RM MARKUP	\$3,500.00	15.00 %	\$525.00
	COMPONE	NT 2A - DESIGN	N PROFESSION	AL MARKUP	\$30,175.00	5.00 %	\$1,508.75
	COMF	PONENT 2B - S	UBCONTRACTO	OR MARKUP	\$225,965.02	8.00 %	\$18,077.20
						Total:	\$286,761.25

Please note that FH CONSTRUCTION will require an extra 5 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

Date:

VED AMBUNT: \$ 286,761.25

Page 1 of 1



#### Change Request

To: Robert Hennessy Jacobs Number: 8015 Date: 8/27/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Finish Floor Elevation - BFE +1

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Raise the finish floor elevation by 1' to be meet Section 6 of ASCE 24.

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
31-2200 Grading				\$94,521.83		\$94,521.83
					Subtotal:	\$94,521.83
		COMPONENT 3 - BIT		\$94,521.83	2.70 %	\$2,552.09
	COMPONENT 1 -	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMF	PONENT 2 - SL	IB MARK-UP	\$94,521.83	8.00 %	\$7,561.75
					Total:	\$104,635.67

\* this chare veget to be kill against

FEH construction contrigency unless proven
otherise, sun - 966/10

Please note that FH CONSTRUCTION will require an extra 3 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by: \_\_\_\_\_

LOBUT MOUNT: \$ 104,635.67



Pleasanton Office 5200 Franklin Drive, Suite 115 Pleasanton, CA 94588 (925) 621-5700 Main (925) 621-5799 Fax DIR No.: 1000002575

via e-mail: DHoff@F-HConst.com

August 27, 2018

Mr. Daniel Hoff F & H Construction

Lodi, California 95240

1115 East Lockeford Street

Re:

San Mateo County Animal Shelter Relocation - Earthwork/Grading Change (Plan Check #5)

San Mateo, CA

Dear Daniel,

The additional cost for the grading changes per Plan Check No. 5 (dated August 8, 2018) is \$94,521.83; Furnish and place imported fill per plan revision.

The breakdown of the additional cost is as follows:

Labor:

\$20,546.82

Equipment:

\$12,152.67

Materials:

\$8,205.00

\$38,290.00

Trucking:

Subcontractor:

\$5,200.00

Sub-Totals:

\$84,394.49

12% Markup: \$10,127.34

Totals:

\$94,521.83

The cost is for placement of additional imported fill material to meet the revised grades as shown on Sheet C1.04. The added volume of soil is approximately 3,125 cubic yards.

We will need a contract change order prior to proceeding with the work.

Thank you for the opportunity to provide our quotation for this project.

Sincerely,

**Teichert Construction** 

### Rick Morales

Rick Morales Estimator

Telephone No. (925) 621-5704



### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 15

Date: 12/10/2018

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Finish Floor Elevation - BFE +1

8015 Finish Floor Elevation - BFE +1

\$104,635.67

Scott Gurley

Robert Hennessy

4/16/2020

Assistant Director

ASSISTANCE DITECT

DocuSigned by:

Scott Gurley \_\_D149DF838EF04D7...

Date

DocuSigned by:

Robert Hennessy —AB3B77D60AOD483...

\$104,635.67

Date

-DocuSigned by:

4/16/2020

Sam Lin

Sam (in —EE1B7F4B372C432...

\$104,635.67

Date

The original Contract Amount v	was	\$19,699,197.00
Net change by previously author	\$3,236,672.87	
The Contract Amount prior to the	\$22,935,869.87	
The Contract will be increased	\$104,635.67	
The new Contract Amount inclu	uding this Change Order will be	\$23,040,505.54
The Contract Time will be unch	nanged.	
The date of Substantial Comple	etion as of the date of this Change Order therefore is	S
LDA PARTNERS	FH CONSTRUCTION	Jacobs
ARCHITECT	CONTRACTOR	OWNER
	PO BOX 2329	
	LODI, CA 95241	
3	Daniel Hoff	See Change Request 8015
(Signature)	(Signature)	(Signature)
	Daniel Hoff	See Change Request 8015
Ву	12/10/18	By See Change Request 8015



#### Change Request

To: Robert Hennessy

Jacobs

Number: 8015

Date: 8/27/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Finish Floor Elevation - BFE +1

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Raise the finish floor elevation by 1' to be meet Section 6 of ASCE 24.

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
31-2200 Grading				\$94,521.83		\$94,521.83
					Subtotal:	\$94,521.83
		COMPONENT 3 - BIT		\$94,521.83	2.70 %	\$2,552.09
	COMPONENT 1 - SE	COMPONENT 1 - SELF PERFORM MARK-UP			15.00 %	\$0.00
	COMPO	NENT 2 - SU	B MARK-UP	\$94,521.83	8.00 %	\$7,561.75
					Total:	\$104,635.67

\* this chare veget to be kill against

FEH construction contrigency unless proven
otherise, such 966/12

Please note that FH CONSTRUCTION will require an extra 3 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by: \_\_\_\_\_

LOBUT MOUNT: \$ 104,635.67

#### **Daniel Hoff**

From: Daniel Hoff

**Sent:** Friday, December 07, 2018 10:53 AM

To: Robert Hennessy

Cc: Brendan Corbett; Stephen Seibly; Sam Lin; Todd Larose Subject: RE: Animal Shelter - Raise Finish Floor Elevation (1 FT)

Attachments: SMCAS - Exhibit 2 - Drawings.pdf

Bob,

F&H considers raising the finish floor elevation by 1' as a contractual scope change. The original scope as indicated in Exhibit 2 - Drawings states the finish floor elevation as 10'. As currently designed, the finish floor elevation is 11'. This change occurred subsequent to our executed agreement, dated March 15th, 2017. In Article 4, 4.01 which includes the above referenced Exhibit 2 - Drawings, it states: "Project and Contract Qualification and Inclusions (and Attachments) dated February 17, 2017. In the event of conflicts with other contract documents, this document shall have precedence." Thus, the change in elevation results in a change in scope and owner change order, not to be funded through the contractor's contingency.

Thanks,

Daniel Hoff / LEED AP BD+C (209) 931-3738 PHONE (209) 269-6327 MOBILE (209) 931-4427 FAX dhoff@f-hconst.com

1115 East Lockeford Street, Lodi, CA 95240 WWW.F-HCONST.COM

Please consider the environment before printing this email.

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----Original Message-----

From: Robert Hennessy < c\_rhennessy@smcgov.org>

Sent: Friday, November 30, 2018 1:41 PM To: Daniel Hoff <dhoff@f-hconst.com>

Cc: Brendan Corbett <bcorbett@f-hconst.com>; Stephen Seibly <sseibly@f-hconst.com>; Sam Lin <slin@smcgov.org>

Subject: Animal Shelter - Raise Finish Floor Elevation (1 FT)

Importance: High

Hi Daniel & Team,

Attached is the approval of costs associated with raising the building finish floor by 1 FT to meet flood requirements.

We understand that this issue was overlooked during the initial site and building design, however, it was brought

to the attention of the Design Build Team during the Plan Check review process by the County Building, Planning and DPW.

In view of the above, this item will not be a Change Order to the Contract resulting in an increase in the overall Contract amount, but

rather a Change Request that will be paid for out of the Construction Contingency category within the Contract.

Should you have any questions, please contact me.

Thank you,

Bob

Robert J. Hennessy PE Senior Project Manager (Independent Contractor) c\_rhennessy@smcgov.org

Project Development Unit 1402 Maple Street Redwood City, CA 94063 925-997-2956 C www.smcpdu.org

----Original Message-----

From: CMO\_PDU\_Pinnacles [mailto:CMO\_PDU\_Pinnacles@smcgov.org]

Sent: Friday, November 30, 2018 1:23 PM

To: Robert Hennessy <c\_rhennessy@smcgov.org>

Subject: Send data from 3505acEIDSMC023 11/30/2018 13:22

Scanned from 3505acEIDSMC023

Date:11/30/2018 13:22

Pages:2

Resolution:300x300 DPI



### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 16

Date: 1/18/2019

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Design Modification and Upgrade Budget Adjustment - Package 2

8014 Design Modification and Upgrade Budget Adjustment - Package 2

\$662,069.41

Scott Gurley

Robert Hennessy

Sam Lin

- DocuSigned by:

4/16/2020

Assistant Director

Scott Gurley

DocuSigned by:

4/16/2020

Robert Hennessy

\$662,069.41

DocuSigned by:

Sam (in \$662,069.41

The original Contract Amount was

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

\$23,040,505.54 \$662,069.41

\$19,699,197.00

\$3,341,308.54

\$662,069.41

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

**FH CONSTRUCTION** Jacobs LDA PARTNERS **ARCHITECT** CONTRACTOR **OWNER** PO BOX 2329 LODI, CA 95241 See Change Request 8014 (Signature) (Signature) (Signature) See Change Request 8014 Ву By See Change Request 8014 Date



### Change Request

To: Robert Hennessy Jacobs

Number: 8014 Date: 8/27/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Design Modification and Upgrade Budget Adjustment - Package 2

Reason: Design Change

We are pleased to offer the following specifications and pricing to make the following changes:

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Package 2 Budget Adjustment				1727 12 42 11	\$530,201.98	\$530,201.98
						Subtotal:	\$530,201.98
	10		COMPO	NENT 3 - BIT	\$530,201.98	2.70 %	\$14,315.45
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$604,416.92	15.00 %	\$90,662.54
		COMP	PONENT 2 - SU	B MARK-UP	\$537,788.82	5.00 %	\$26,889.44

NOTE: PACKAGE 2 INCLUDED AUTHORIZATION FOR ALLOWANCE #2 AT **FULL VALUE OF \$70K.** 

TOTAL COST REVISED TO: \$732,069.41 ALLOWANCE OFFSET OF: \$(70,000.00) NET TOTAL C.V. INCREASE: \$662,069.41

NOTE 2: PACKAGE 2 INCLUDED ALL ROM'S APPROVED PRIOR FOR C/O's #1, 2, 3, 5 & 7, AND RECONCILED THE ACTUAL BID AMOUNTS TO CLOSE THESE ITEMS. ALL OVERAGES WERE CHARGED TO C/O #16 COSTS, AND ALL UNUSE AMOUNTS CREDITED TO COUNTY IN THE TOTAL COST OF C/O #16.

HENURSTY ROBERT J.

If you have any questions, please contact me at (209) \$31-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by: Date:



### Change Request

To: Robert Hennessy Jacobs

Number: 8014 Date: 8/27/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Design Modification and Upgrade Budget Adjustment - Package 2

Reason: Design Change

We are pleased to offer the following specifications and pricing to make the following changes:

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Package 2 Budget Adjustment					\$530,201.98	\$530,201.98
						Subtotal:	\$530,201.98
	COMPONENT 3 - BIT		NENT 3 - BIT	\$530,201.98	2.70 %	\$14,315.45	
		COMPONENT 1 - SELF PERFORM MARK-UP		\$604,416.92	15.00 %	\$90,662.54	
		COMP	ONENT 2 - SU	B MARK-UP	\$537,788.82	5.00 %	\$26,889.44

\$662,069.41

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

6K. Sul-80\$ 62.0694



### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 17

Date: 3/21/2019

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

COR 8013 - PG&E Gas line - Unforeseen Condition

8013 COR 8013 - PG&E Gas line - Unforeseen Condition

Sam Lin

\$67,814.86

Scott Gurley

Robert Hennessy

Assistant Director

4/16/2020

— DocuSigned by: Scott Gwley

(Signature)

By

Date

D149DF838EF04D7

4/16/2020

DocuSigned by:

Robert Hennessy

AB3B77D60AOD483...

\$67,814.86

Date

DocuSigned by:

Sam (in —EE1B7F4B372C432...

\$67,814.86

(Signature)

By

Date

See Change Request 8013

See Change Request 8013

The original Contract Amount w	<i>y</i> as	¥	\$19,699,197.00
Net change by previously author	\$4,003,377.95		
The Contract Amount prior to th	\$23,702,574.95		
The Contract will be increased	\$67,814.86		
The new Contract Amount inclu	iding this Change Order will be		\$23,770,389.81
The Contract Time will be unch	anged.		
The date of Substantial Comple	etion as of the date of this Change Order therefore	e is	
LDA PARTNERS	FH CONSTRUCTION	Jacobs	
ARCHITECT	CONTRACTOR	OWNER	
	PO BOX 2329		
	LODI, CA 95241		
	0 /1101	G. a. Glannara F	0012
	-1 Jones Holl	See Change R	request 8013



### Change Request

To: Robert Hennessy

Jacobs

Number: 8013 Date: 6/7/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: COR 8013 - PG&E Gas line - Unforeseen Condition

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the work tracked Time and Material (T&M) to allow PG&E to tap the natural gas main under Airport BLVD and set the new gas meter.

This includes but is not limited to:

- -Creation, implementation and maintenance of the Traffic Control Plan
- -Rental, set up and tear down of associated Traffic control Equipment (K-Rails, cones, signs...)
- -City of San Mateo Business license and encroachment permit
- -Labor, material and equipment to dig, bed and backfill the trench and bellhole required by PG&E per PM35020461
- -Form and pour the required gas meter concrete pad
- -remobilization to remove tree stumps and AC paving left due to live gas line onsite

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price	
02-0999	Encroachment Permit				7 1.	\$1,302.00	\$1,302.00	
02-0999	T&M Tags 5.22.2018-8.24.2018 (see Spreadsheet)					\$21,716.71	\$21,716.71	
02-0999	Traffic Control Equipment Rental (6 invoices)					\$12,877.47	\$12,877.47	
02-0999	Extended Job Costs (60 days Per TIA #005)					\$176,208.00	\$176,208.00	
02-4100	Demolition - ReMob				\$2,210.00		\$2,210.00	
15-0500	Plumbing - Tie in Temp gas /new meter				\$2,810.54		\$2,810.54	
02-0999	Natural Gas Trailer (3 invoices + misc signs + FE)				\$18,670.00		\$18,670.00	
02-0999	Heat Tape for Gas Trailer		\$151.00				\$151.00	
01-0210	(Grainger) Contingency Draw - Extended Job Cost		~			\$(176,208.00)	\$(176,208.00)	
						Subtotal:	\$59,737.72	1
			COMPO	NENT 3 - BIT	\$59,737.72	2.70 %	\$1,612.92	
		COMPONENT 1 -	SELF PERFOR	M MARK-UP	\$36,047.18	15.00 %	\$5,407.08	
		COM	PONENT 2 - SU	JB MARK-UP	\$23,690.54	5.00 %	\$1,184.53	
	510 0 1	•	SALES TAX N	MU DEDUCT	\$849.24	· ·	\$-127.39	
	OK Soul	3/21/20	•			Total:	\$67,814.86	61

MOTE:

THE AMOUNT OF \$

BE CHARGED TO THE

CONSTRUCTION CONTINGENCY.

Page 1 of 2

FH CONSTRUCTION

Commitment

Scope:

Date:

3/21/2019

**Amount** 

Vendor ANIMAL SHELTER REPLACEMENT (10-16-5466)

Change Order Number: 17 COR 8013 - PG&E Gas line - Unforeseen Condition

Extra

Cost

Code

Reference

Number

Description

Cat

Change Request No. 8013 Internal: No

This COR covers the work tracked Time and Material (T&M) to allow PG&E to tap the natural gas main under Airport BLVD and set the new gas meter.

This includes but is not limited to:

-Creation, implementation and maintenance of the Traffic Control Plan

-Rental, set up and tear down of associated Traffic control Equipment (K-Rails, cones, signs...)

-City of San Mateo Business license and encroachment permit

-Labor, material and equipment to dig, bed and backfill the trench and belihole required by PG&E per PM35020461

-Form and pour the required gas meter concrete pad

-remobilization to remove tree stumps and AC paving left due to live gas line onsite

44550 FRANK M BOOTH INC 15-0500 S Plumbing - Tie in Temp gas/new 2,810,54 5466.02 meter

S Demolition - ReMob 2,210,00 25679 CAMPANELLA CORPORATION 5466.06 02-4100

> Change Order 17 total 5,020.54



### Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.06

Change Order: 1

Date: 3/21/2019

To Contractor:

**CAMPANELLA CORPORATION** 2216 DUNN ROAD

HAYWARD, CA 94545

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time. Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

COR 8013 - PG&E Gas line - Unforeseen Condition

Re-mobilization due to unforeseen condition - Gas Line

Extra	Code	Cat	Request	Description	Amount
	02-4100	S	8013	Demolition - ReMob	\$2 210 00

The original Contract Amount was	\$551,800.00
Net change by previously authorized Change Orders	\$0.00
The Contract Amount prior to this Change Order was	\$551,800.00
The Contract will be increased by this Change Order in the amount of	\$2,210.00
The new Contract Amount including this Change Order will be	\$554,010.00
The Contract Time will be unchanged.	
The date of Substantial Completion as of the date of this Change Order therefore is	

**FH CONSTRUCTION** CONTRACTOR PO BOX 2329

LODI, CA 95241

(Signature)

Danie Hoff



2216 Dunn Rd. Hayward, CA 94545

Phone: 510-536-4800

Contractors Lic. 750648

Fax: 510-536-6132

9/4/2018

**Proposal Only** 

Attention: Brendan Corbett Name:

**F&H Construction** 

Address: 1115 East Lockeford Street

Lodi, CA 95240

Campanella Corporation Job Number: 18-7009 Reference: Animal Shelter - San Mateo This proposal is based on the following Information:

#### Specific Scope of Work:

- This additional mobilization is due to the gas trailer being in the way of demolition during Phase 1
- 2 Additional mobilization of equipment to continue/finish phase 1 demolition
- Production loss for Operator, Laborer and Excavator 3
- 4 Trucking and disposal is already included in the base bid
- 5 Work performed on 9-4-18

Lump Sum: \$2,210.00

Date:

Sincerely,

Campanella Corporation

C) Matthews

**CJ Matthews** Estimator/Project Manager

Cel: 510-715-9701

#### FH CONSTRUCTION

Commitm	ent Vendor		Extra	Cost Code	Cat	Reference Number	Description	Amount
ANIMAL SHE	ELTER REPLACEM	ENT (10-16-5466) Change Order Number	er: 17 COR 8013 - PG	&E Gas line - l	Unforeseen	Condition		
Change F	Request No. 8013	Internal: No						
Scope:	This COR covers t	he work tracked Time and Material (T&M) to allo	w PG&E to tap the nat	tural gas main ι	under Airport	BLVD and set	the new gas meter.	
	This includes but i	s not limited to:						
	-Rental, set up and -City of San Mateo -Labor, material an -Form and pour the	entation and maintenance of the Traffic Control F I tear down of associated Traffic control Equipme Business license and encroachment permit Id equipment to dig, bed and backfill the trench a e required gas meter concrete pad	ent (K-Rails, cones, signal bellhole required b		<b>Л</b> 35020461			
5466.02	-remobilization to r 44550	emove tree stumps and AC paving left due to liv FRANK M BOOTH INC	e gas line onsite	15-0500	s		Plumbing - Tie in Temp gas/new	2.810.54
							meter	,
5466.06	25679	CAMPANELLA CORPORATION		02-4100	s		Demolition - ReMob	2,210.00

Date: 3/21/2019

5,020.54

Change Order 17 total



## Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.02

Change Order: 4

Date: 3/21/2019

To Contractor:

FRANK M BOOTH INC POBOX5

MARYSVILLE, CA 95901

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time. Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

#### The Contract is changed as follows:

COR 8013 - PG&E Gas line - Unforeseen Condition

Plumbing - Tie-In, Temp Gas and New Meter

	Cost		Change		
Extra	Code	Cat	Request	Description	Amount
2J	15-0500	S	8013	Plumbing - Tie in Temp gas/new meter	\$2,810.54

The original Contract Amount was	\$3,238,000.00
Net change by previously authorized Change Orders	\$307,623.56
The Contract Amount prior to this Change Order was	\$3,545,623.56
The Contract will be increased by this Change Order in the amount of	\$2,810.54
The new Contract Amount including this Change Order will be	\$3,548,434.10

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

**FH CONSTRUCTION** CONTRACTOR PO BOX 2329 LODI, CA 95241

Signature)

Daniel Hoff

By

3/21/19



4220 Douglas Blvd. Granite Bay CA 95746 TEL (916) 784-0777 FAX (916) 784-0707 CA License No. 793419

07-Sep-18

F&H Construction 1115 E Lockeford St Lodi, CA 95240

Attention:

Daniel Hoff/Brendan Corbett

Reference:

San Mateo Animal Shelter

FMB Job No. 1704

Subject:

Change Proposal Request

FMB C/O#

90009

General Contractor

Natural gas tie in/ disconnect to temp trailer, restart all roof top units

(Cost of construction including GC's & OH&P)

2,555.03

(Engineering Lump Sum Fee)

255.50

**Total** 

2,810.54

Please forward written change order at your earliest convenience or call with any questions.

Sincerely,

Thirts

FRANK M. BOOTH, INC

Richard Hammes

Project Manager

Attachment:

CC:

Linda Booth

Job File



#### SCOPE CHANGE COST SUMMARY

Drojoot:	San Mateo Animal Shel	tor	Date:		09/07/2018
Project:			Prepared By:		RH
Job#		04	Prepared by.		КП
FMB No.:	900				
Scope:	Natural gas temp tank tie in/disconne	ect			
<u>Labor</u> : Cost of Labor <b>Markup</b>	- From Labor Recap Sheets	15.00%	<u>Hours</u> 17	\$	<u>Extended</u> 2,282.08 342.31
			Labor Total	\$	2,282.08
Material & Ec Direct Materia Sales Tax		9.25%		\$	-
Sub-Total Ma				\$	
Markup: (exclu	ding sales tax)	15.00%		\$	-
		Total Mater	ial & Equipment	\$	
Consumables Test, Adjustm Subsistence \$ Safety Supplie	quip., Rental (Per labor hr., excl. detailing & delivery) (Per Field labor \$) ient, Warranty (Per Field labor \$) id/Hr for GF and Foreman Hours unless overridden es Expense (Per field labor hr.) ient Rental (see recap)	\$83.89 3% 2% \$80.00 \$1.25	THE RESERVE THE PROPERTY OF THE PARTY OF THE	\$ \$ \$ \$ \$ \$ \$	68.46 45.64 80.00 21.25
Sub-Total Ot	her Costs			\$	215.35
Markup		15.00%		\$	32.30
		T	otal Other Costs	\$	247.66
Ne participation and		Total FMB Self	Performed Work	\$	2,529.74
		1010111112 0011			-,
Subcontracte	and Manada.				
Controls	ed work:			\$	
Insulation	ed work:			\$	
Insulation Balance				12	1
Insulation Balance Fire/Acoustica Water Treatm	al Caulking			\$ \$ \$	1
Insulation Balance Fire/Acoustica Water Treatm Rigging	al Caulking			\$ \$ \$ \$	
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation	al Caulking nent		*	\$ \$ \$ \$ \$	
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St	al Caulking nent			\$ \$ \$ \$	
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St	al Caulking nent ubs	10.00%		\$ \$ \$ \$ \$ \$ \$	-
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St Sub-Total St Markup	al Caulking nent ubs		contracted Costs	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	-
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Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St Sub-Total St Markup  Cost Recap Total Constr Bond Premiu	al Caulking nent ubs ubcontracted Costs uction Cost:	Total Subo	contracted Costs	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St Sub-Total St Markup  Cost Recap Total Constr Bond Premit Sub-Total Co	al Caulking nent  ubs ubcontracted Costs  uction Cost:	Total Subo	contracted Costs	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	25.30 2,555.03 255.50
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St Sub-Total St Markup  Cost Recap Total Constr Bond Premit Sub-Total Co Engineering Subtotal	al Caulking nent ubs ubcontracted Costs  uction Cost: um onstruction Cost  Fee's for the above	1%	contracted Costs	***	25.30 2,555.03
Insulation Balance Fire/Acoustica Water Treatm Rigging Excavation Misc Other St Sub-Total St Markup  Cost Recap Total Constr Bond Premit Sub-Total Co Engineering	al Caulking nent  ubs ubcontracted Costs  uction Cost: um onstruction Cost  Fee's for the above	Total Subc	contracted Costs	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	25.30 2,555.03 255.50

The price quoted for the above described Scope Change is subject to the following conditions:

11-11-1 F-... 00 D-...

(1) A direction to proceed by the Contractor will entitle us to progress payments for Work covered above.

(2) If this change decreases, extends, or otherwise affects our completion time, our cost of performance will thereby increase.

We reserve all rights to recover these added costs and rely on Contractor to keep us fully informed regarding changes in the completion time.



### PLUMBING ESTIMATE WORKSHEET

San Mateo Animal Shelter

**DATE** 9/7/18

90009

	QTY.	- 1	MAT	DET	SHP	FLD	MAT'L	DETAIL	SHOP	FIELD
								HOURS	HOURS	HOURS
Per signed field tag dated 7-10-18	1					6.00				
Per signed field tag dated 8-28-18	1					11.00				1
		_								
		$\dashv$				-				
		-								
									16	
				-						-
				-						
¥1				-						
									2.	
				-						
				-	-					

**TOTAL** 

17



4220 Douglas Blvd., Granite Bay, CA 95746 TEL (916) 784-0777 FAX (916) 784-0707 CA License No. 793419

# **FIELD AUTHORIZED CHANGE ORDER**

Date:	July 10, 2018	GC/PCO # Todd/ Brendar	1 .		
Project:	Animal shelter 1704	FME	/VSM		
#:90009_	1				
Met with F& provisions t section of p sealed under This documenthe work detailed.	o connect temporary gas tra ipe, reconfigured plumbing a erground gas to prevent cont	Discuss reconfiguring the plun iler to building. Disconnected Gond attached temporary gas to barriation. Intractor's approval for FMB to prent will be:	SPR and	d removed g. Capped	and
	Materials List	Field Equip.	Renta	ls / Subs	
*		Total	Rental/	Cuba	10.00
		Total	Rentail	Subs	
	Kana ayka a		abor		
		Name	(1x rate)	OT(1.5x rate)	OT(2 x rate)
		Sheldon VanPelt	6		
*					
	Total Material:		_	A garte	-
	**	Total Labor:	6	14	1
	quip. Rental (\$8.49 per labor hr.,	excl. detailing & delivery)			,
Drayage (5%			_		
	ools (3% of labor, excluding detail				
	ent, Warranty (2% of labor, excluding		_		
Other	ses (\$.35 per labor hr., excluding	detailing & delivery)			
Other	Signature	Indicates verification only that Othe	er:		
Signature o	f Authorizing Contract lists in file or the orthogonal of the orthogonal of the orthogonal of the orthogonal or the orth	ot an agreement of change until tellined that said work is not a part sinal contract/scope of work and grarantee of payment. 7.17. 2008	×	*	× *



4220 Douglas Blvd., Granite Bay, CA 95746 TEL (916) 784-0777 FAX (916) 784-0707 CA License No. 793419

# FIELD AUTHORIZED CHANGE ORDER

Date: August 28, 2018	GC/PCO # 10dd/	brendar					
Project: Animal shelter 1704	FM	B/VSM					
#:90009							
Authorizing Contractor: _F&H construction Discussed change over plan with F&H Considisconnect temporary gas trailer and attack Upon PG&E arrival on site shut down temporaries and Bled off remaining gas. Disconnect gas connection, PG&E preform test on meter building back on line. Purged air out of gas coperation. This document confirms authorizing Contract the work described above for which payment [ ] A lump sum of \$	truction. Gathered up tools building to permanent gas brary gas trailer and turned sted temporary gas trailer are set and gave OK to procesupply at each unit and refector's approval for FMB to at will be:	supply off all g and mad eed with urned th	from PG& as cocks e up perm bringing nem to no	at anent mal			
	And the second s	- D1-1	I- (0-1-				
Materials List	Field Equip		s / Subs	0			
	Cameron Aiverson	Sub.	φδι				
		-					
	Tota	Rental/	Subs	-			
	/ / / / / / / / / / / / / / / / / / /						
	Labor						
	Name	(1x rate)	OT(1.5x rate)	OT(2 x rate)			
	Sheldon VanPelt	8 (	OK	/			
- c	Cameron Alverson		3 /	OC			
			;				
Total Material:							
		1					
Oth O d	Total Labor:		1 di				
Other Costs:	datalling 0 dali:						
Fabrication, Equip. Rental (\$8.49 per labor hr., excl.	detailing & delivery)						
Drayage (5% of total labor) Expendable Tools (3% of labor, excluding detailing 8	& delivery)			-150.00.00			
Test, Adjustment, Warranty (2% of labor, excluding detailing of	Andrea Maria	the work h	ngicates veri erein listed h	ication only to as been perfo			
Safety Expenses (\$.35 per labor hr., excluding detail		out it is not	an agreeme	nt of change			
Other		of the origin	ed that said i	work is not a scope of work			
V 11 12 1	Total Oth	I C NAP & A	uarantee of	payment 8.			
	Total Ott	Signature	- 2 ^	O Dat			
Signature of Authorizing Contractor:	Doto:	Igned By	Brendo	n Grbe			

# Sales Tax Markup Deduct

Description	Sales Tax Amount	Markup	Deduction
Sunbelt Rentals	\$ 1.43	15%	\$ (0.21)
Herc Rentals	\$ 16.98	15%	\$ (2.55)
Cal-Steam	\$ 5.84	15%	\$ (0.88)
Herc Rentals	\$ 51.71	15%	\$ (7.76)
Herc Rentals	\$ 131.78	15%	\$ (19.77)
Herc Rentals	\$ 32.34	15%	\$ (4.85)
Granite Rock	\$ 1.99	15%	\$ (0.30)
Herc Rentals	\$ 6.08	15%	\$ (0.91)
Herc Rentals	\$ 79.22	15%	\$ (11.88)
Cal-Steam	\$ 2.23	15%	\$ (0.33)
United Rentals	\$ 183.37	15%	\$ (27.51)
Granite Rock	\$ 15.31	15%	\$ (2.30)
Granite Rock	\$ 45.50	15%	\$ (6.83)
Herc Rentals	\$ 23.29	15%	\$ (3.49)
Grainger	\$ 13.60	15%	\$ (2.04)
Herc Rentals	\$ 160.03	15%	\$ (24.00)
Home Depot - Online Invoice	\$ 13.14	15%	\$ (1.97)
Home Depot	\$ 5.61	15%	\$ (0.84)
Herc Rentals	\$ 28.74	15%	\$ (4.31)
Granite Rock	\$ 12.08	15%	\$ (1.81)
Interstate Traffic Control	\$ 5.17	15%	\$ (0.78)
Grainger	\$ 13.80	15%	\$ (2.07)
	1		\$ -
Totals	\$ 849.24		\$ (127.39)



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 18

Date: 3/21/2019

**Architect's Project:** 

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

TIA 007 Water Main Modification, Extended Conditions

8021 TIA 007 Water Main Modification, Extended Conditions

\$0.00

Scott Gurley

Robert Hennessy

4/16/2020

Sam Lin

Assistant Director

4/16/2020

DocuSigned by:

Scott Gurley

DocuSigned by:

Robert Hennessy -AB3B77D60A0D483...

\$0.00

DocuSigned by:

Sam lin EE1B7F4B372C432...

\$0.00

The original Contract Amount w	vas	\$19,699,197.00
Net change by previously author	orized Change Orders	\$4,003,377.95
The Contract Amount prior to the	nis Change Order was	\$23,702,574.95
COLUMN TO THE RESIDENCE OF THE PROPERTY OF THE	by this Change Order in the amount of	\$0.00
The new Contract Amount inclu	uding this Change Order will be	\$23,702,574.95
The Contract Time will be unch		
	etion as of the date of this Change Order therefore	e is
LDA PARTNERS	FH CONSTRUCTION	Jacobs
ARCHITECT	CONTRACTOR	OWNER
	PO BOX 2329	
	LODI, CA 95241	
	2 1 11 M-	
	Duniel Holl	See Change Request 8021
(Signature)	(Signature)	(Signature)
	(Signature)  Daniel Hoff	See Change Request 8021
Ву	By	By
	3/21/19	See Change Request 8021
Date	Date	Date



### Change Request

To: Robert Hennessy

Jacobs

Number: 8021

**Date:** 1/9/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: TIA 007 Water Main Modification, Extended Conditions

Reason: Unforeseen Condition Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Unforeseen Condition

Added water main and onsite water utilities per Plan Check #5 dated 8/8/18.

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Extended General Condition (79) Calendar Days)	× 2,936.80				\$232,007.20	\$232,007.20
01-0210	Contingency - TIA 007 Water Main	(CHARGE TO	CONSTR	uction Co	NTINGENCY	\$(232,007.20)	\$(232,007.20)
						Subtotal:	\$0.00
						Total:	\$0.00

Please note that FH CONSTRUCTION will require an extra 79 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Daniel Hoff

F & H CONSTRUCTION

Approved by:

\$ 232,007.20

CHARGE UNDER CONSTRUCTION CONTINGENCY

Page 1 of 1

OK Saw Josephola



## Change Request

To: Robert Hennessy

Jacobs

Number: 8021

**Date:** 1/9/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: TIA 007 Water Main Modification, Extended Conditions

Reason: Unforeseen Condition Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

Unforeseen Condition

Added water main and onsite water utilities per Plan Check #5 dated 8/8/18.

xtended General Conditions (79 alendar Days)			\$232,007.20	\$232,007.20
ontingency - TIA 007 Water Main			\$(232,007.20)	\$(232,007.20
			Subtotal:	\$0.0
			Total:	\$0.0
			8	
		12.		
				Subtotal:

Submitted by: Daniel Hoff

F & H CONSTRUCTION



## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 19

Date: 7/15/2019

Architect's Project:

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Rooftop Gas Piping Tie-In and Pressure Test

8018 Rooftop Gas Piping Tie-In and Pressure Test

\$12,416.27

Scott Gurley

Robert Hennessy

Sam Lin

DocuSigned by:

4/16/2020

Assistant Director

Scott Gurley

D149DF838EF04D7

DocuSigned by:

Robert Hennessy

AB3B77D60A0D483...

\$12,416.27

DocuSigned by:

Sam lin

4/16/2020

EE1B7F4B372C432.. \$12,416.27

The original Contract Amount was \$19,699,197.00 Net change by previously authorized Change Orders \$4,071,192.81 \$23,770,389.81 The Contract Amount prior to this Change Order was The Contract will be increased by this Change Order in the amount of \$12,416.27 The new Contract Amount including this Change Order will be \$23,782,806.08 The Contract Time will be unchanged. The date of Substantial Completion as of the date of this Change Order therefore is LDA PARTNERS FH CONSTRUCTION Jacobs CONTRACTOR **OWNER** 

**ARCHITECT** 

PO BOX 2329 LODI, CA 95241

Date

(Signature) (Signature)

See Change Request 8018 (Signature)

By

See Change Request 8018 By

Date

See Change Request 8018 Date





### Change Request

To: Robert Hennessy

Jacobs

Number: 8018

Date: 9/20/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Rooftop Gas Piping Tie-In and Pressure Test

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR 8018 is the work performed via T&M to tie in the Rooftop gas pipe (completed under COR 8010 cover) to the existing facilities gas piping.

This work included the replacement of existing natural gas pipes, connection of new main line to existing lines, pressure testing of the entire system and starting up all the existing HVAC units and water heaters

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
15-0500	HVAC				\$11,425.80	3.	\$11,425.80
01-0535	Cal-Steam Invoice 3265163 (Tax NOT marked-up)			8		\$70.66	\$70.66
01-0535	Cal-Steam Invoice 3267631 (Tax NOT marked-up)					\$26.97	\$26.97
						Subtotal:	\$11,523.43
			COMPO	NENT 3 - BIT	\$11,514.57	2.70 %	\$310.89
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$89.57	15.00 %	\$13.44
		COMP	ONENT 2 - SU	B MARK-UP	\$11,425.80	5.00 %	\$571.29
			SALES TAX N	MU DEDUCT	\$13.91		\$-2.78
						Total:	\$12,416.27

\* sasety preveton per Miles

K. Sunt-

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:



## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 20

Date: 7/15/2019

**Architect's Project:** 

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

ADMP and SMP Extra Work

8019 COR 8019 - ADMP and SMP Extra Work

\$35,359.16

Scott Gurley

Robert Hennessy

Sam Lin

- DocuSigned by:

4/16/2020

Assistant Director

Scott Gurley

DocuSigned by:

Robert Hennessy

—AB3B77D60A0D483...

\$35,359.16

-- DocuSigned by:

4/16/2020

Sam Lin —EE1B7F4B372C432...

\$35,359.16

The original Contract Amount was

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

\$23,805,748.97

\$19,699,197.00

\$4,071,192.81

\$23,770,389.81

\$35,359.16

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

LDA PARTNERS **FH CONSTRUCTION** Jacobs **ARCHITECT** CONTRACTOR **OWNER** PO BOX 2329 LODI, CA 95241 See Change Request 8019 (Signature) (Signature) (Signature) See Change Request 8019 Ву Ву See Change Request 8019 Date





### Change Request

To: Robert Hennessy

Jacobs

Number: 8019 Date: 10/4/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description:

COR 8019 - ADMP and SMP Extra Work

Reason: Field Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

COR 8019 covers the extra Labor, Material and Equipment required by SCA Environmental, the Soils Management Plan (SMP), Asbestos Dust Mitigation Plan (ADMP) and Bay Area Air Quality Management District (BAAQMD)above and beyond Best Management Practices (BMPs) from 8.27.2018-9.28.2018. This covers F&H costs and NOT Teichert Construction costs.

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
02-8200	F&H T&M Tags (8.27.2018-9.28.20 18)				*	\$13,268.41	\$13,268.41
02-8200	Fire Hose Splitter (Moss Rubber)		\$93.30			3,	\$93.30
02-8200	Lab Testing (6 tests) (Enthalpy Analytical)					\$4,740.00	\$4,740.00
02-8200	Boot Wash (AgriWash)					\$815.00	\$815.00
02-8200	5 MPH Signs (Interstate Traffic Control)		\$166.93				\$166.93
02-8200	Sump Pumps and Hoses (Home Depot #1)		\$540.51				\$540.51
02-8200	Sump Pumps and Hoses (Home Depot #2)		\$269.62				\$269.62
02-8200	STLC Soils Test					\$245.00	\$245.00
02-8200	Street Sweeping (5 Invoices)					\$9,562.50	\$9,562.50
02-8200	HD Supply (wood for cover)		\$359.14				\$359.14
						Subtotal:	\$30,060.41
			COMPONE	NT 3 - BIT	\$30,060.41	2.70 %	\$811.63
		COMPONENT 1 -	SELF PERFORM	MARK-UP	\$30,060.41	15.00 %	\$4,509.06
		COM	PONENT 2 - SUB	MARK-UP	\$0.00	5.00 %	\$0.00
		if .	SALE TAX MU	DEDUCT	\$146.28		\$-21.94
						Total:	\$35,359.16

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: Date:

\*OUNT: \$35,350



## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 21

Date: 7/15/2019

**Architect's Project:** 

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Stormwater O&M Plan

8026 Stormwater O&M Plan

\$6,192.75

Scott Gurley

Robert Hennessy

Sam Lin

DocuSigned by:

4/16/2020

Assistant Director

DocuSigned by:

4/16/2020

cott Gurley Robert Hennessy AB3B77D60A0D483..

\$6,192.75

DocuSigned by:

Sam lin EE1B7F4B372C432...

\$6,192.75

The original Contract Amount was

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

\$23,770,389.81

\$19,699,197.00

\$4,071,192.81

\$6,192.75

\$23,776,582.56

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

LDA PARTNERS **FH CONSTRUCTION** Jacobs **ARCHITECT** CONTRACTOR **OWNER** PO BOX 2329 LODI, CA 95241 See Change Request 8026 (Signature) (Signature) (Signature) See Change Request 8026 Ву Ву See Change Request 8026 Date





### Change Request

To: Robert Hennessy

Jacobs

Number: 8026 Date: 6/10/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Stormwater O&M Plan

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

Listed below is our proposal for additional services related to the description of a proposed Stormwater Operations & Maintenance Plan for the San Mateo County Animal Shelter.

Scope of Work

Task 1: Stormwater Operation and Maintenance Plan

Deliverables: Electronic copies in PDF

Cost: \$5,750

#### Exclusions:

- Meetings.

- Responsible personnel information for report

- Does not include fees, permits, or processing of permits.

- Does not include design or re-design of storm water features.

- Does not include erosion control plan or Storm Water Pollution Prevention Plan.

- Topographic surveys and mapping

	6K.8	w.	1/2/19	
nt	Subcontract	Other	Price	
		\$5,750.00	\$5,750.00	

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0200 Drafting/Engineering					\$5,750.00	\$5,750.00
	(10)				Subtotal:	\$5,750.00
		COMPO	NENT 3 - BIT	\$5,750.00	2.70 %	\$155.25
	COMPONENT 1 - 8	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMF	PONENT 2 - SU	IB MARK-UP	\$5,750.00	5.00 %	\$287.50
					Total:	\$6,192.75

Please note that FH CONSTRUCTION will require an extra 0 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_\_\_\_\_

AMQUNIT: \$ 6,192.75



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 22

Date: 7/15/2019

Architect's Project:

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

ADMP Extras - Truck Washing and Moisture Treating

8027 COR 8027 - ADMP Extras - Truck Washing and Moisture Treating

\$32,063.29

Scott Gurley

Robert Hennessy

Sam Lin

DocuSigned by:

4/16/2020

Assistant Director

4/16/2020

Scott Gurlen D149DF838FF04D

DocuSigned by:

Robert Hennessy

\$32,063.29

DocuSigned by:

Sam lin EE1B7F4B372C432..

\$32,063.29

The original Contract Amount was

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

\$19,699,197.00

\$4,071,192.81

\$23,770,389.81

\$32,063.29

\$23,802,453.10

LDA PARTNERS **FH CONSTRUCTION** Jacobs **OWNER** CONTRACTOR ARCHITECT PO BOX 2329 LODI, CA 95241 David Hoff
(Signature)

7 Daniel Hoff See Change Request 8027 (Signature) (Signature) See Change Request 8027 By See Change Request 8027 Date





### Change Request

To: Robert Hennessy

Jacobs

Number: 8027 Date: 6/10/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: COR 8027 - ADMP Extras - Truck Washing and Moisture Treating

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the extra work comply with the ADMP through 2018. Including:

- -Extra moisture treating of onsite soils per the zero-dust requirement (above and beyond BMP)
- -Stockpile management Covering spoils per the ADMP (above and beyond BMP and SWPPP)
- -Washing truck tires (per ADMP and above and beyond BMP and SWPPP)

See attached CO from Teichert for details

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
31-2200	ADMP EXTRA				\$13,292.66		\$13,292.66
02-8200	T&M Tag 3.20.2019 - 3.21.2019			-		\$1,608.16	\$1,608.16
02-8200	T&M Tag 9.31.2018 - 2.20.2019					\$13,517.79	\$13,517.79
						Subtotal:	\$28,418.61
			COMPO	NENT 3 - BIT	\$28,418.61	2.70 %	\$767.30
		COMPONENT 1 -	SELF PERFOR	M MARK-UP	\$15,125.95	15.00 %	\$2,268.89
		COME	PONENT 2 - SL	B MARK-UP	\$13,292.66	5.00 %	\$664.63
			SALE TAX N	MU DEDUCT	\$-374.24	15.00 %	\$-56.14
						Total:	\$32,063.29

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_

Page 1 of 1

per BAROMB refinement)



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 23

Date: 7/15/2019

Architect's Project:

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Upgrade P-Lam to Solid Surface Counter Tops

8029 Upgrade P-Lam to Solid Surface Counter Tops

\$6,483.54

Scott Gurley

Robert Hennessy

4/16/2020

Sam Lin

Assistant Director

4/16/2020

DocuSigned by: Scott Gurley D149DF838EF04D7

DocuSigned by:

Robert Hennessy

\$6,483.54

DocuSigned by:

Sam lin EE1B7F4B372C432... \$6,483.54

The original Contract Amount was \$19,699,197.00 \$4,071,192.81 Net change by previously authorized Change Orders The Contract Amount prior to this Change Order was \$23,770,389.81 \$6,483.54 The Contract will be increased by this Change Order in the amount of The new Contract Amount including this Change Order will be \$23,776,873.35 The Contract Time will be unchanged. The date of Substantial Completion as of the date of this Change Order therefore is **FH CONSTRUCTION** Jacobs

LDA PARTNERS **OWNER ARCHITECT** CONTRACTOR PO BOX 2329 LODI, CA 95241 See Change Request 8029 (Signature) (Signature) (Signature) See Change Request 8029 Ву See Change Request 8029 Date Date



### Change Request

To: Robert Hennessy

Number: 8029 Date: 6/20/19

Jacobs

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Upgrade P-Lam to Solid Surface Counter Tops

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR, as per Owner request, Covers:

Lab # 617

Add: Change 12 of p-lam counter top to solid surface

Treatment #612

Add: Change 24 of p-lam counter top to solid surface

Pharm # 612

Add: Change 9 of p-lam counter top to solid surface

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
06-2000 Mill Work				\$6,020.00		\$6,020.00
					Subtotal:	\$6,020.00
	COMPONENT 3 - BIT			\$6,020.00	2.70 %	\$162.54
	COMPONENT 1 - S	M MARK-UP	\$0.00	15.00 %	\$0.00	
	COMP	ONENT 2 - SU	IB MARK-UP	\$6,020.00	5.00 %	\$301.00
					Total:	\$6,483.54

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_

Date: \_

OK for \$ 6,483!

MOUNT: \$ 6,483.54



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 24

Date: 7/15/2019

**Architect's Project:** 

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Weather Associated Impacts, Extended GC

8030 Weather Associated Impacts, Extended GC

\$0.00

Scott Gurley

Docusigned by:
Suff Gurley

Robert Hennessy

4/16/2020

DocuSigned by:

Robert Hennessy \_\_\_\_\_\_AB3B77D60A0D483...

\$0.00

Sam Lin

Assistant Director

4/16/2020

DocuSigned by:

Sam Lin —EE1B7F4B372C432...

\$0.00

The original Contract Amount was	\$19,699,197.00
Net change by previously authorized Change Orders	\$4,071,192.81
The Contract Amount prior to this Change Order was	\$23,770,389.81
The Contract will be increased by this Change Order in the amount of	\$0.00
The new Contract Amount including this Change Order will be	\$23,770,389.81
The Contract Time will be unchanged.	
The date of Substantial Completion as of the date of this Change Order therefore is	

LDA PARTNERS ARCHITECT	FH CONSTRUCTION CONTRACTOR PO BOX 2329	Jacobs OWNER
(Signature)	LODI, CA 95241  (Signature)	See Change Request 8030 (Signature)
By Date	By Date	See Change Request 8030  By See Change Request 8030  Date





### Change Request

To: Robert Hennessy

Jacobs

Number: 8030

Date: 6/22/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Weather Associated Impacts, Extended GC

Reason: Design Change

Initiated by: San Mateo County

We are pleased to offer the following specifications and pricing to make the following changes:

There has been a total of 51 calendar days of weather since the last of the weather contingency was utilized. Extending the project completion date from the current completion date of Apr. 8, 2020 to the new completion date of 5/29/20.

Weather is directly impacting the critical path on a day for day push and has completely delayed a 3rd of the foundations. To assist in mitigating further delays to the project, the crews have been diverted to Areas 1 & 2 (areas that the SOGs have been already placed) and continuing with the build out. Area 3 has been developed in the schedule to capture the comeback work that will be necessary when the weather improves.

December 2018 14 calendar days February 2019 29 calendar days March 2019 8 calendar days

TIA #009 November 2018 Weather 0 calendar days Time removed from Weather allowance

TIA #009.1 December 2018 Weather +14 calendar (Est.) Partial time mitigation from allowance forthcoming.

TIA #009.1 January / February 2019 Weather +29 days

TIA #009.1 March 2019 +8 days

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950	Extended GC			501	110-	\$149,776.80	\$149,776.80
03-3000	Rat Slab/ Rock / Vapor Barrier CO 7009			I ( a	ago -	\$32,551.70	\$32,551.70
03-3000	Rat Slab/ Rock / Vapor Barrier CO 7012					\$20,735.52	\$20,735.52
31-2200	Access Road CO 7006					\$23,410.33	\$23,410.33
						Subtotal:	\$226,474.35
			COMPO	NENT 3 - BIT	\$226,474.35	2.70 %	\$6,114.81
		COMPONENT 1 - S	ELF PERFOR	M MARK-UP	\$149,776.80		\$0.00
		COMP	ONENT 2 - SU	IB MARK-UP	\$76,697.55		\$0.00
			SALE TAX N	MU DEDUCT	\$-2,536.49	15.00 %	\$-380.47
			CO	NTINGENCY	\$-232,208.69	100.00 %	\$-232,208.69
							7

MOTE:

\* CHARGE \$ 232,208.69

to construction contingency.

OK sul

APPROVED AMOUNT: \$ 0.00

CONSTRUCTION CONTINGUO'ROBERT J. HENNEBSY P.E



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 25

Date: 7/19/2019

**Architect's Project:** 

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Add Lights and Plugs to Barn

8031 Add Lights and Plugs to Barn

\$7,825.14

Scott Gurley

Robert Hennessy

Sam Lin

DocuSigned by:

D149DF838EF04D7

Assistant Director

4/16/2020

4/16/2020

Scott Gurley

DocuSigned by:

Robert Hennessy -AB3B77D60A0D483...

\$7,825.14

DocuSigned by:

Sam lin EE1B7F4B372C432...

\$7,825.14

The original Contract Amount v	vas	\$19,699,197.00
Net change by previously author	orized Change Orders	\$4,163,707.82
The Contract Amount prior to t	\$23,862,904.82	
The Contract will be increased	by this Change Order in the amount of	\$7,825.14
The new Contract Amount inclu	\$23,870,729.96	
The Contract Time will be unch	nanged.	
The date of Substantial Compl	etion as of the date of this Change Order therefo	re is
LDA PARTNERS	FH CONSTRUCTION	Jacobs
ARCHITECT	CONTRACTOR	OWNER
	PO BOX 2329	
	LODI, CA 95241	
	Dand Hoff	See Change Request 8031
(Signature)	(Signature)	(Signature)
	Daniel HOFF	See Change Request 8031
Ву	By 7/19/19	By See Change Request 8031
Date	Date	Date Date



### Change Request

To: Robert Hennessy

Jacobs

Number: 8031

Date: 7/1/19 Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Add Lights and Plugs to Barn

Reason: Owner Request

Initiated by: Lori Morton-Feazell (San Mateo County)

We are pleased to offer the following specifications and pricing to make the following changes:

ADD: exterior rated industrial LED linear lights to barn area as requested by owner.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

We will supply and install all materials, labor, and equipment as per your instructions on .

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
16-0100	Barn Plugs and Lights				\$6,892.20		\$6,892.20
01-0950	F&H Coordiantion	\$341.75					\$341.75
						Subtotal:	\$7,233.95
			COMPO	NENT 3 - BIT	\$7,233.95	2.70 %	\$195.32
		COMPONENT 1 - S	SELF PERFOR	RM MARK-UP	\$341.75	15.00 %	\$51.26
		COMP	ONENT 2 - SU	JB MARK-UP	\$6,892.20	5.00 %	\$344.61
						Total:	\$7,825,14

OK, Saul- 7/1/19

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

7.1.2019



## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 26

Date: 7/19/2019

**Architect's Project:** 

To Contractor:

(Signature)

Βy

Date

FH CONSTRUCTION PO BOX 2329 LODI. CA 95241

The Contract is changed as follows:

Public Address (PA) System - Allownace

8028 Public Address (PA) System

\$0.00

Scott Gurley

Robert Hennessy

Sam Lin

4/16/2020

DocuSigned by:

4/16/2020

Assistant Director

Scott Gurley

-DocuSigned by:

Robert Hennessy

AB3B77D60A0D483...

\$0.00

-DocuSigned by:

Sam Lin EE1B7F4B372C432... \$0.00

See Change Request 8028

See Change Request 8028

See Change Request 8028

(Signature)

Date

The original Contract Amount was \$19,699,197.00 Net change by previously authorized Change Orders \$4,171,532.96 The Contract Amount prior to this Change Order was \$23,870,729.96 The Contract will be increased by this Change Order in the amount of \$0.00 The new Contract Amount including this Change Order will be \$23,870,729.96 The Contract Time will be unchanged. The date of Substantial Completion as of the date of this Change Order therefore is LDA PARTNERS **FH CONSTRUCTION** Jacobs **ARCHITECT CONTRACTOR OWNER** PO BOX 2329 LODI, CA 95241



### Change Request

To: Robert Hennessy

Jacobs

Number: 8028 Date: 6/14/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description:

Public Address (PA) System

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is to provide a PA system througg the Allowance

Provide a complete PA sytem per attached Sytem is programable to over 8 zones and is compatible with there phone sytem

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
16-0100	Electrical PA System				\$86,684.18		\$86,684.18
						Subtotal:	\$86,684.18
			COMPO	NENT 3 - BIT	\$86,684.18		\$0.00
	COMPONENT 1 - SELF PERFORM MARK-UP						\$0.00
		COMP	ONENT 2 - SU	JB MARK-UP	\$86,684.18		\$0.00
			Fund	by Allowance	\$-86,684.18		\$-86,684.18
						Total:	\$0.00

OK. & for \$88,684.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_\_\_ Date:



California Main Office:

1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD

SAN MATEO, CA 94401

Change Order: 27

Date: 7/24/2019

Architect's Project:

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

The Contract is changed as follows:

Added Hose Bibs

8033 Added Hose Bibs \$3,143.01

Scott Gurley

DocuSigned by:

Robert Hennessy

4/16/2020

DocuSigned by:

Robert Hennessy -AB3B77D60A0D483... \$3,143.01

Sam Lin

Assistant Director

4/16/2020

DocuSigned by:

Sam lin EE1B7F4B372C432... \$3,143.01

\$19,699,197.00 The original Contract Amount was Net change by previously authorized Change Orders \$4,171,532.96 The Contract Amount prior to this Change Order was \$23,870,729.96 The Contract will be increased by this Change Order in the amount of \$3,143.01 The new Contract Amount including this Change Order will be \$23,873,872.97

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

LDA PARTNERS ARCHITECT	FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241	OWNER					
(Signature)	(Signature)	See Change Request 8033 (Signature)					
	Daniel Hoff	See Change Request 8033					
Ву	By 7/24/19	By See Change Request 8033					
Date	Date	Date					



### Change Request

To: Robert Hennessy

Jacobs

Number: 8033 Date: 7/10/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Added Hose Bibs

Initiated by: Brendan Corbett (F & H Construction)

We are pleased to offer the following specifications and pricing to make the following changes:

This CR 8033 is for Frank M Booth's COs #90019 and 90020, added hose bibs per onsite plumbing walk with Architect, PHS and SMC

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
15-0500 Plumbing CO 90019 15-0500 Plumbing CO 90020				\$2,067.97 \$850.33		\$2,067.97 \$850.33
					Subtotal:	\$2,918.30
		COMPO	NENT 3 - BIT	\$2,918.30	2.70 %	\$78.79
	COMPONENT 1 - SI	ELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMPO	ONENT 2 - SU	B MARK-UP	\$2,918.30	5.00 %	\$145.92
					Total:	\$3,143.01

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_

- SUM - 7/23/19



From: Brendan Corbett (F & H Construction)

California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

## Letter of Transmittal

To: Robert Hennessy Jacobs  Subject: Change Reques	ot 8033: V-1	dod Hoos		ittal #: 496 Date: 7/10/20 Job: 10-16-5	019 5466 ANIMAL SHELTER REPLACEMENT
Subject. Change Reques	st - 6033. Au	ded nose	DIDS		
WE ARE SENDING YOU	☐ Attac	hed	Under ser	parate cover via	a the following items:
Shop drawings	Prints	5	Plans		
Copy of letter	Chan		□ Specificat	ions	
Document Type	Copies	Date	No.	Description	
Change Request	1	7/10/19	8033	Added Hose	Bibs
				100	
THESE ARE TRANSMITTI	ED as check	ed below	;		
For approval		Approve	d as submitted		Resubmit copies for approval
For your use		Approve	d as noted		Submit copies for distribution
As requested		Returne	d for corrections		Return corrected prints
For review and comm	nent 🗀	Other			
FOR BIDS DUE		PRINTS	RETURNED AFTER	R LOAN TO US	
Damanka					
Remarks:					
Сору То:					
					and the same of the same of
					- LX A

Signature:



\$16,007.05

\$87,421.75

\$2,307.29

\$3,744.84

\$35,463.33

\$7,640.58

\$10,698.31

\$163,283.15

\$19,699,197.00

\$4,174,675.97

\$23,873,872.97

\$24,037,156.12

\$163,283.15

Total:

\$0.00

## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

Change Order: 28

Date: 9/19/2019

Architect's Project:

Sam Lin

Assistant Director

4/16/2020

DocuSigned by:

The Contract is changed as follows:

CO #28 - All Outstanding COs

8020 Water Main Extra Work Signed **Signed** 8022 Subsurface Investigation / Unsuitable Soils Signed 8023 Contaminated Soil Off Haul (REV 1)

8024 Add Power to Water Fountains 8025 Generator Permit Procurement

8032 Added and Changed Electrical per Site Walk 8034 Dense Glass Upgrade REV 1

8035 Added Floor Drain at Walk in Cooler

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

Scott Gurley

DocuSigned by:

Sam lin EE1B7F4B372C432... \$163,283.15

**Signed Signed** Newly revised, Needs Signature

**Signed** 

Robert Hennessy 4/16/2020

DocuSigned by:

Robert Hennessy AB3B77D60A0D483

Signed

The original Contract Amount was

\$163,283.15

10.29.2019

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is 5/29/2020

LDA PARTNERS **FH CONSTRUCTION ARCHITECT** CONTRACTOR PO BOX 2329 LODI, CA 9524 2

(Signature) (Signature)

**Brendan Corbett** 

By Date Date Jacobs

**OWNER** 

(Signature)

By

### Commitment CO Entry by Change Order

**FH CONSTRUCTION** Date: 10/30/2019 Cost Reference Extra Code Cat Number Description Commitment Vendor Amount **ANIMAL SHELTER REPLACEMENT (10-16-5466)** Change Order Number: 28 CO #28 - All Outstanding COs Change Request No. 8022 Internal: No Scope: This COR covers the Unsuitable soils and Sub Surface investigation -Subsurface investigation at the request of PDU to satisfy county Geotech engineer -Design cost of engineering piles -Unsuitable soil remediation at retaining wall -Clearing of V-Ditch so off site water could be directed away from retaining wall -Unsuitable soil in Plumbing trench due to water intrusion 44550 FRANK M BOOTH INC 5466.02 02-3000 S Unsuitable Soil 3.874.23 5466 11 87626 TEICHERT CONSTRUCTION 02-3000 S Unsuitable Soil 23.676.19 Change Request No. 8023 Internal: No Haul Off Class II contaminated soil spoils from jobsite. These soils are considered Hazardous Waste and San Mateo County did not approve for reuse onsite. REV 0 of this COR is for the soil off hauled on 11.9.2018 and 12.14.2018, but was never responded to by PDU. This Revision, REV 1 covers the soil off hauled from 11.9.2018 to 3.14.2019 Quote of \$61.51 / Ton was previously approved on 10.18.2018 See attached CO from Teichert 5466.11 87626 **TEICHERT CONSTRUCTION** 02-8200 Class II Soil Haul Off / 81.171.54 Remediation Change Request No. 8024 Internal: No This COR is to change 2 water fountains to bottle fill stations with bottle counter as requested by SMC Scope: The change of the water fountain unit by FMB is at no cost The change to add power to these units is \$2,142.33 Please approve ASAP so the carriers can be installed 5466.01 52290 INTERMOUNTAIN ELECTRIC COMPANY S 16-0100 Electrical 2,142.33 Change Request No. 8025 Internal: No Scope: This quote covers direct costs only and wAir Board permitting (Authority to Construct) BAAQMD Area If within 1,000 feet of school (K-12) Additional fees of \$2,000.00 per school e reserve the right to claim for impact and consequential costs. We will supply and install all materials, labor, and equipment as per your instructions on Procurement of Generator Permit . 5466.01 52290 INTERMOUNTAIN ELECTRIC COMPANY 16-0100 S 3,323.50 Electrical Change Request No. 8032 Internal: No Scope: This COR is to add changes requested per the Site Walk 52290 5466.01 INTERMOUNTAIN ELECTRIC COMPANY 16-0100 S Electrical Add 32,927.89

## Commitment CO Entry by Change Order

FH CONSTRUCTION Date: 10/30/2019

Cost Reference

Commitment Vendor Extra Code Cat Number Description Amount

ANIMAL SHELTER REPLACEMENT (10-16-5466) Change Order Number: 28 CO #28 - All Outstanding COs

Change Request No. 8032 Internal: No continued

Change Request No. 8034 Internal: No

pe: This CR is for the requested upgrade from Type X Gyp board to Densglass in certain wet locations determined by Lori and Brent.

Upgrade cost for Unfinished denseglass is \$0.38 per sq foot, level 4 finish upgrade cost is approx \$2.73 per sq foot.

Attacehd is a lump sum cost as well as the approved plan on where Densglass is to be installed

5466.031 35478 DAVID M SCHMITT 09-2900 S Densglass Upgrade 6,310.00

Change Request No. 8035 Internal: No

ope: This COR is for adding the floor drain in the walk in cooler per County Direction

5466.02 44550 FRANK M BOOTH INC 15-0500 S Plumbing 9,933.44

**Change Order 28 total** 163,359.12



## Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.031 Change Order: 3

Date: 10/30/2019

To Contractor:

DAVID M SCHMITT 390 SHELBY STREET

SAN FRANCISCO, CA 94124

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

### The Contract is changed as follows:

CCO for COR 8034

CCO for COR 8034 See attached COR for details

 Extra
 Code
 Cat
 Request
 Description
 Amount

 09-2900
 S
 8034
 Densglass Upgrade
 \$6,310.00

The original Contract Amount was \$310,508.00

Net change by previously authorized Change Orders \$8,228.00

The Contract Amount prior to this Change Order was \$318,736.00

The Contract will be increased by this Change Order in the amount of \$6,310.00

The new Contract Amount including this Change Order will be \$325,046.00

The Contract Time will be increased by 0 days.

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

**Brendan Corbett** 

By **10.30.2019** 

Date



## Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Subcontract: 5466.01

Change Order: 6

Date: 10/30/2019

To Contractor:

INTERMOUNTAIN ELECTRIC COMPANY 947 WASHINGTON STREET

SAN CARLOS, CA 94070

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

### The Contract is changed as follows:

CCO for COR 8032

CCO for COR 8032

See attached COR for details

	Cost Code	Cat	Change Request	Description	Amount
	16-0100	S	8032	Electrical Add	\$32,927.89
					00.400.050.00
The o	The original Contract Amount was				\$2,482,359.00
Net cl	Net change by previously authorized Change Orders			ge Orders	\$1,217,587.08
The C	The Contract Amount prior to this Change Order was			Order was	\$3,699,946.08
The C	The Contract will be increased by this Change Order in the amount of			ge Order in the amount of	\$32,927.89
The n	The new Contract Amount including this Change Order will be			\$3,732,873.97	
The C	Contract Tim	e will be	increased by 0 da	ays.	
The d	The date of Substantial Completion as of the date of this Change Order therefore is				

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

**Brendan Corbett** 

Ву **10.30.2019** 

Date



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401

To Contractor:

FRANK M BOOTH INC

P O BOX 5

MARYSVILLE, CA 95901

Subcontract: 5466.02

Change Order: 9

Date: 10/30/2019

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

### The Contract is changed as follows:

CCO for COR 8022 and 8035

CCO for COR 8022 and 8035

See attached CORs for details

	Cost		Change			
Extra	Code	Cat	Request	Description		Amount
	02-3000	S	8022	Unsuitable Soil		\$3,874.23
	02-3000	S	8035	Plumbing		\$9,933.44
					Total:	\$13,807.67



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401

To Contractor:

FRANK M BOOTH INC P O BOX 5

MARYSVILLE, CA 95901

Subcontract: 5466.02

Change Order: 9

Date: 10/30/2019

The original Contract Amount was	\$3,238,000.00
Net change by previously authorized Change Orders	\$357,868.71
The Contract Amount prior to this Change Order was	\$3,595,868.71
The Contract will be increased by this Change Order in the amount of	\$13,807.67
The new Contract Amount including this Change Order will be	\$3,609,676.38
The Contract Time will be increased by 0 days.	

**FH CONSTRUCTION** CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

**Brendan Corbett** 

The date of Substantial Completion as of the date of this Change Order therefore is

By 10.30.2019

Date



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401

To Contractor:

TEICHERT CONSTRUCTION P O BOX 13557

SACRAMENTO, CA 95853-3557

Subcontract: 5466.11

Change Order: 5

Date: 10/30/2019

Please note, the cost of this change and/or back charge includes only those direct costs which can be identified at this time.

Additional amounts may need to be included for interferences, disruptions, rescheduling, overtime, changes in work sequence, delays, subcontractors, sub-tier subcontractors, suppliers, accelerations, extended over head and /or impact or inefficiency costs. We expressly reserve the right to submit our request for any or all of these items should it be determined at a later date that we are experiencing any or all of these conditions.

### The Contract is changed as follows:

CCO #005 for COR 8022 and 8023

CCO #005 for COR 8022 and 8023

See attached CORs for details

	Cost		Change			
Extra	Code	Cat	Request	Description		Amount
	02-3000	S	8022	Unsuitable Soil		\$23,676.19
	02-3000	S	8023	Class II Soil Haul Off / Remediation		\$81,171.54
					Total:	\$104,847.73



# Subcontract Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401

To Contractor:

TEICHERT CONSTRUCTION P O BOX 13557

**SACRAMENTO, CA 95853-3557** 

Subcontract: 5466.11 Change Order: 5

Date: 10/30/2019

The original Contract Amount was	\$1,412,801.65
Net change by previously authorized Change Orders	\$357,189.51
The Contract Amount prior to this Change Order was	\$1,769,991.16
The Contract will be increased by this Change Order in the amount of	\$104,847.73
The new Contract Amount including this Change Order will be	\$1,874,838.89
The Contract Time will be increased by 0 days	

The Contract Time will be increased by 0 days.

The date of Substantial Completion as of the date of this Change Order therefore is

FH CONSTRUCTION CONTRACTOR PO BOX 2329 LODI, CA 95241

(Signature)

**Brendan Corbett** 

By **10.30.2019** 

Date





## Change Request

To: Robert Hennessy

Jacobs

Number: 8020 Date: 12/28/18

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Water Main Extra Work

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the Extra work associated with the Water Main not covered in COR 8016 and 8017

- -Water Main Pothling for exact location and direction in relation to new building corner
- -Traffic Control above and beyond \$3,500 (removed \$16,000 from original bid)
- -Relocation of Temp fence and Removal of Chain fence and Posts (per Pre-Con)
- -Installation of Temp water feed to Existing building (Per Pre-Con)
- -Encroachment Permit
- -Easement description per PDU Request

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
31-2200	T&M for TC and Water Feed				7	\$5,726.84	\$5,726.84
01-0200	Drafting/Engineering				\$3,800.00		\$3,800.00
31-2200	K-Rails (3 Invoices from TPR)					\$3,888.72	\$3,888.72
31-2200	Encroachment Permit			"		\$1,372.00	\$1,372.00
31-2200	CREDIT (TC included in 8016)	TRAFFIC CO	NTROL	CREDIT		\$(3,500.00)	\$(3,500.00)
31-2200	Traffic Signs (2 invoices TPR)					\$2,649.76	\$2,649.76
						Subtotal:	\$13,937.32
			COMPO	NENT 3 - BIT	\$13,937.32	2.70 %	\$376.31
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$10,137.32	15.00 %	\$1,520.60
		COMP	ONENT 2 - SU	JB MARK-UP	\$3,800.00	5.00 %	\$190.00
			SALES TAX N	MU DEDUCT	\$114.54		\$-17.18
						Total	\$16,007,05

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:





## Change Request

To: Robert Hennessy Jacobs

Number: 8022 Date: 2/7/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Subsurface Investigation / Unsuitable Soils

Reason: Unforeseen Condition

We are pleased to offer the following specifications and pricing to make the following changes:

This COR covers the Unsuitable soils and Sub Surface investigation

- -Subsurface investigation at the request of PDU to satisfy county Geotech engineer
- -Design cost of engineering piles
- -Unsuitable soil remediation at retaining wall
- -Clearing of V-Ditch so off site water could be directed away from retaining wall
- -Unsuitable soil in Plumbing trench due to water intrusion

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
02-3000	Unsuitable Soil				\$23,676.19		\$23,676.19
02-3000	Unsuitable Soil				\$3,874.23		\$3,874.23
02-3000	F&H T&M Tags					\$7,089.66	\$7,089.66
02-3000	Pile Design					\$25,000.00	\$25,000.00
						Subtotal:	\$59,640.08
			COMPO	NENT 3 - BIT	\$59,640.08	2.70 %	\$1,610.28
		COMPONENT 1	- SELF PERFOR	M MARK-UP	\$32,089.66	15.00 %	\$4,813.45
		COI	MPONENT 2 - SU	B MARK-UP	\$27,550.42	5.00 %	\$1,377.52
			SALES TAX N	MU DEDUCT	\$492.61		\$-73.89
			Deduct from	Contingency	\$0.00		\$-67,367.44
						Total:	\$0.00

NOTE:

\* CHARGE \$ 67,367.44 TO CONSTRUCTION CONTINGENCY.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:



## Change Request

To: Robert Hennessy

Jacobs

Number: 8023

Date: 2/15/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Contaminated Soil Off Haul (REV 1)

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

Haul Off Class II contaminated soil spoils from jobsite. These soils are considered Hazardous Waste and San Mateo County did not approve for reuse onsite. REV 0 of this COR is for the soil off hauled on 11.9.2018 and 12.14.2018, but was never responded to by PDU. This Revision, REV 1 covers the soil off hauled from 11.9.2018 to 3.14.2019

Quote of \$61.51 / Ton was previously approved on 10.18.2018

See attached CO from Teichert

Cost Cod	e Description	Labor Material		Equipment	Subcontract	Other	r Price
02-8200	Class II Soil Haul Off / Remediation				\$81,171.54		\$81,171.54
						Subtotal:	\$81,171.54
			COMPO	NENT 3 - BIT	\$81,171.54	2.70 %	\$2,191.63
		COMPONENT 1 - S	ELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
		COMPO	ONENT 2 - SU	JB MARK-UP	\$81,171.54	5.00 %	\$4,058.58
						Total:	\$87,421.75



If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:



## Change Request

**To:** Robert Hennessy Jacobs

Number: 8024 Date: 3/14/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Add Power to Water Fountains

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is to change 2 water fountains to bottle fill stations with bottle counter as requested by SMC

The change of the water fountain unit by FMB is at no cost The change to add power to these units is \$2,142.33

Please approve ASAP so the carriers can be installed

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
16-0100	Electrical				\$2,142.33		\$2,142.33
						Subtotal:	\$2,142.33
			COMPO	NENT 3 - BIT	\$2,142.33	2.70 %	\$57.84
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
		COMP	ONENT 2 - SU	JB MARK-UP	\$2,142.33	5.00 %	\$107.12
						Total:	\$2,307.29

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:



# Change Request

To: Robert Hennessy Jacobs Number: 8025 Date: 3/14/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Generator Permit Procurement

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This quote covers direct costs only and wAir Board permitting (Authority to Construct) BAAQMD Area If within 1,000 feet of school (K-12) Additional fees of \$2,000.00 per school e reserve the right to claim for impact and consequential costs.

We will supply and install all materials, labor, and equipment as per your instructions on Procurement of Generator Permit .

Cost Cod	Cost Code Description		Material	Equipment	Subcontract	Other	Price
16-0100	Electrical		THE RESIDENCE	V 40 - 1	\$3,323.50		\$3,323.50
01-0040	F&H Engineering Coordination	\$140.55					\$140.55
						Subtotal:	\$3,464.05
			COMPON	NENT 3 - BIT	\$3,464.05	2.70 %	\$93.53
	C	OMPONENT 1 - S	ELF PERFOR	M MARK-UP	\$140.55	15.00 %	\$21.08
		COMP	ONENT 2 - SU	B MARK-UP	\$3,323.50	5.00 %	\$166.18
						Total:	\$3,744.84

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:

Page 1 of 1

Kobert . Konnessy 10-28-2019



# Change Request

To: Robert Hennessy

Jacobs

Number: 8032 Date: 7/3/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Added and Changed Electrical per Site Walk

Reason: Owner Request

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is to add changes requested per the Site Walk

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
16-0100 Electrical Add				\$32,927.89		\$32,927.89
					Subtotal:	\$32,927.89
		COMPO	NENT 3 - BIT	\$32,927.89	2.70 %	\$889.05
	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00		\$0.00
	COMPONENT 2 - SUB MARK-UP				5.00 %	\$1,646.39
					Total:	\$35,463.33

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:



# Change Request

To: Robert Hennessy Jacobs

Number: 8034 Date: 7/16/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description:

Dense Glass Upgrade REV 1

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This CR is for the requested upgrade from Type X Gyp board to Densglass in certain wet locations determined by Lori and Brent. Upgrade cost for Unfinished denseglass is \$0.38 per sq foot, level 4 finish upgrade cost is approx \$2.73 per sq foot.

Attacehd is a lump sum cost as well as the approved plan on where Densglass is to be installed

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
09-2900	Densglass Upgrade				\$6,310.00		\$6,310.00
01-0040	Field Coordination and Plans	\$717.68					\$717.68
						Subtotal:	\$7,027.68
			COMPO	NENT 3 - BIT	\$7,027.68	2.70 %	\$189.75
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$717.68	15.00 %	\$107.65
		COMP	ONENT 2 - SU	IB MARK-UP	\$6,310.00	5.00 %	\$315.50
						Total:	\$7,640.58

\* Reduced from
phenons 5. med.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:



# Change Request

To: Robert Hennessy

Jacobs

Number: 8035

Date: 8/15/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Added Floor Drain at Walk in Cooler

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for adding the floor drain in the walk in cooler per County Direction

Cost Code [	Description		Labor	Material	Equipment	Subcontract	Other	Price
15-0500 F	Plumbing					\$9,933.44		\$9,933.44
							Subtotal:	\$9,933.44
				COMPO	NENT 3 - BIT	\$9,933.44	2.70 %	\$268.20
			COMPONENT 1 - S	ELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
			COMP	ONENT 2 - SU	B MARK-UP	\$9,933.44	5.00 %	\$496.67
							Total:	\$10,698.31

this location heads draine

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 29

Date: 11/7/2019

**Architect's Project:** 

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI. CA 95241

The Contract is changed as follows:

CO #29 - Fencing, Landscaping, Generator

8036 Landscape and Irrigation

8037 Fencing - Revision 1 - 03.14.19

8039 Antenna Lightning Protection

Scott Gurley DocuSigned by:

Scott Gurley

Robert Hennessy

4/16/2020

DocuSigned by:

Robert Hennessy AB3B77D60A0D483. \$457,260.59

Sam Lin

Assistant Director

4/16/2020

DocuSigned by:

Sam lin EE1B7F4B372C432... \$457,260.59

The original Contract Amount was

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

The Contract Time will be increased by 0 days.

The date of Substantial Completion as of the date of this Change Order therefore is

\$19,699,197.00

\$4,337,959.12

\$181,354.95

\$268,516.56

\$457,260.59

Total:

\$7,389.08

\$24,037,156.12

\$457,260.59

\$24,494,416.71

LDA PARTNERS **FH CONSTRUCTION ARCHITECT CONTRACTOR** PO BOX 2329 LODI, CA 95241

San Mateo County

**OWNER** 

(Signature)

(Signature) (Signature)

**Brendan Corbett** 

By

Date

11.25.2019

Date

By

By

Date



# Change Request

To: Robert Hennessy

Jacobs

Number: 8036

Date: 8/21/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Landscape and Irrigation

We are pleased to offer the following specifications and pricing to make the following changes:

Furnish and install landscape per approved plans and specifictaions.

Cost Code Description		Labor Material		Equipment	Subcontract	Other	Price	
32-8000	Landscaping & Irrigation				\$168,389.00		\$168,389.00	
						Subtotal:	\$168,389.00	
			COMPO	NENT 3 - BIT	\$168,389.00	2.70 %	\$4,546.50	
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00	
		COMP	ONENT 2 - SU	JB MARK-UP	\$168,389.00	5.00 %	\$8,419.45	

Total: \$181,354.95

If you have any questions, please contact me at .

Submitted by: F & H CONSTRUCTION

Approved by:

Date:

\$ 181,354.95

Page 1 of 1

POBERT I HENNIESSY DE

F & H STRUCTION		BID ITEM:	LANDSCAPING	& IRRIGATION		
	FIRM	NAME	Marina	Green Growth Industries	Lone Star Landscape	STATE OF THE PARTY
	LOCA	TION	Orange, CA	Pleasanton, CA	San Martin, CA	
	LICE	NSE	492862	662718	463280	
	DIF	R #		1000004803		
	PHO		(714) 939-6600	(925) 484-0830	(408) 682-0100	
	NA	ME	John Gutierrez	Taghi Khoroishi	Robert Samaniego	
DESCRIPTION	sco	PE				
BASE BID AMOUNT	BAS	E \$\$	\$133,100	\$207,738	\$168,389	Mary and the same of
DESCRIPTION	CHANGE WA		STATISTICS AND DESCRIPTION	ESSENTED TO ACCOMMON		NAMES OF THE PARTY
GATION						
			5,106.0	xxxxx	xxxxx	
		60 Day	8,500.0	XXXXX	XXXXX	
			25,149.0	XXXXX	XXXXX	
CLARIFICATIONS						
			\$171,855	\$207,738	\$168,389	\$0
			\$0	\$0	\$0	\$0
				Colombia Sarah India Sarah Sar	Company of the compan	

ALTERNATE			WI	7	
		1 The Late of the			
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		LS			

# LANDSCAPING & IRRIGATION LISTING INFORMATION

PRICE	\$168,389
CONTRACTOR TO LIST	one Star Landscap
CITY, STATE	San Martin, CA
CONTRACT LICENSE NUMBER	463280
DIR#	0



July 12, 2019

Re: Animal Shelter Replacement-County of San Mateo

Attention: Estimator

We propose to furnish & install as per plans & specs, the work described below:

Install new irrigation system
Install new trees, shrubs, groundcover, hydro-seed & Mulch
Provide 60 day maintenance

Total Bid: \$168,389.00

General is to provide a sub-grade  $+/-1/10^{th}$  of a foot of finish grade. Electrical power to irrigation controller is to be provided by others. Our DIR number is 1000002345.

#### We exclude

Traffic & pedestrian control
Clearing, grubbing & grading
Tree removal and protection
Bio-filtration soils
Import & Export of soils
Trenching & boring through paved areas
Protection & maintenance of existing landscape areas to remain
Water meter & associated costs
Permits, fees & bonds. (Our bond rate is 1.15)

If you have any questions, feel free to call me.

Thank you,

Robert Samaniego

DocuSign Envelope ID: 28932CE5-505A-41A9-85D3-F2E8F5539867



# Change Request

To: Robert Hennessy

Jacobs

Number: 8037

Date: 8/21/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Fencing - Revision 1 - 03.14.19

We are pleased to offer the following specifications and pricing to make the following changes:

Provide fencing per revision 1 dated 03.14.19. See attacehd drawings.

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
32-3100 Fences & Gates				\$249,319.00		\$249,319.00
					Subtotal:	\$249,319.00
		COMPO	NENT 3 - BIT	\$249,319.00	2.70 %	\$6,731.61
	COMPONENT 1 - SEL	F PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMPON	ENT 2 - SU	IB MARK-UP	\$249,319.00	5.00 %	\$12,465.95
					/ Total:	\$268,516.56

If you have any questions, please contact me at .

Submitted by: F & H CONSTRUCTION

Approved by: Date:



Bailey Fence Co., Inc. License # 498661 C-13 DIR #1000005722 3205 Baumberg Avenue Hayward, CA 94545

Tel. 510-783-2980 Fax 510-783-2989

Email: baileyfenceco@hotmail.com

# **BID FORM**

BID DATE: 06-27-19	TIME: 11:00 AM		
PROJECT NAME: San Mateo Animal Sl	helter		
LOCATION: San Mateo, CA	1.90		
SECTION (s) TRADES: Chain Link Fen	ice		
PLANS/SPECS: A1.10,	-1.1 1 11.0		
PAGE # (s): Site plan			
DETAILS: As.01,			
FURNISH & INSTALLYES FOB JOB S	SITE INSTALL ONLY	TAX INCLUI	DED YES
UNION: YES PREVAILING WAGE: YES BONDAB	LE: YES BOND RATE: 3% (not included) W	AIVER OF SUBROGAT	ION: 3% (not included)
PVC coated black frame, in the perime Fence post on concrete footing.	eter of the site, includes 2 gates with	th ND 80 Schlage I	Lever Lock,
PRICE PER LIN. FT	\$116.83LUM	P SUM	\$44,396.00
BID ITEM Blue Color Section: Provid PVC coated black frame, in the perime bolted to retaining wall. PRICE PER LIN. FT	eter of the site, on top of retaining	wall, post 4, O.C.	with saddles
PVC coated black frame, in the perime bolted to retaining wall.  PRICE PER LIN. FT		Wall, post 4' O.C. P SUM 8' Lf of Privacy SI with ND 80 Schlag	with saddles\$38,660.00 ats, 8' H black ge Lever Lock,
PVC coated black frame, in the perime bolted to retaining wall.  PRICE PER LIN. FT		P SUM	ats, 8' H black ge Lever Lock, acrete, gate fully
PVC coated black frame, in the perime bolted to retaining wall.  PRICE PER LIN. FT	eter of the site, on top of retaining  \$205.63LUM  evide and install approximately 31 rimeter of the site, includes 1 gate of the site, includes 1 gate of the site.  \$112.10LUM  e and install approximately 715' Let 200 Schlage Lever Lock. Fence po	wall, post 4' O.C. P SUM	ats, 8' H black ge Lever Lock, acrete, gate fully\$35,649.00 anized, 8' H, ing.
PVC coated black frame, in the perime bolted to retaining wall.  PRICE PER LIN. FT  BID ITEM Orange Color Section: Pro and PVC coated black frame, in the per rolling gate, Fence post on concrete foo automated, see attached detail and cost PRICE PER LIN. FT  BID ITEM Red Color Section: Provide GALV frame, includes 7 gates with ND PRICE PER LIN. FT	eter of the site, on top of retaining  \$205.63LUM  Evide and install approximately 31 rimeter of the site, includes 1 gate	Wall, post 4' O.C. P SUM	ats, 8' H black ge Lever Lock, acrete, gate fully\$35,649.00 anized, 8' H, ing\$69,030.00
PVC coated black frame, in the perime bolted to retaining wall.  PRICE PER LIN. FT	eter of the site, on top of retaining  \$205.63LUM  Evide and install approximately 31 rimeter of the site, includes 1 gate of the site, includes 1 gate of the site.  \$112.10LUM  Evide and install approximately 715' Let of 2 dinstall approximately 75' Let of 2	Wall, post 4' O.C. P SUM	ats, 8' H black ge Lever Lock, acrete, gate fully\$35,649.00 anized, 8' H, ing\$69,030.00

BID ITEM Duck Pond: Provide and install approximately 134', of 2" mesh, galvanized, from 8' H' H, with a top enclosure 34' Lf x 18' Wide, GALV frame, includes 2 gates with ND 80 Schlage Lever Lock. Fence post on concrete footing. Top enclosure trusted for full support of the chain link fence.

PRICE PER LIN. FT......\$181.61......LUMP SUM......\$30,510.00

BID ITEM Gate Automation: Provide and install see below.

.....LUMP SUM......\$12,992.00

DATE: 06-27-19

## **Entire Quote includes utilities locator**

#### **EXCLUSIONS & CLARIFICATIONS:**

BID IS BASED ON: INSTALLATION OF FENCE POSTS PRIOR TO CONCRETE, LANDSCAPING OR ANY OTHER TRADES THAT RESTRITS OR AFFECTS ACCESS. WE ASSUME NO RESPONSIBILITY FOR UNMARKED UNDERGROUND UTILITIES (WATER, ELECTRICAL, TELEPHONE, GAS, SEWER ETC.) TRAFFIC CONTROL, CLEARING, GRUBBING, SURVEY, CITY OR STATE PERMITS, ENGINEER OR STRUCTURAL CALCULATION, ELECTRICAL GROUNDING TO BE BY OTHERS.

Bid is good for 90 Days, after 90 days there may be an added cost to material.

### BID SUBMITTED BY: Sal Martinez

The following is our proposal to furnish and install a sliding gate motor operator and related controls, as outlined in the specifications that you have provided, for your consideration.

Entry will be controlled by radio or digital keypad and the gate will open automatically for exiting vehicles. We will furnish and install a vehicle detector with an interior loop to open the gate automatically for exiting vehicles. A second vehicle detector, connected to two loops installed adjacent to the gate, will stop and prevent the gate from closing if a vehicle presence is detected during the closing cycle. A safety photo switch will be installed, sighted across the opening, to stop and prevent the gate from closing if an obstruction is detector during the closing cycle. The gate will be furnished with a safety edge, mounted to the leading edge of the gate that will stop the gate if an obstruction is encountered during the closing cycle. We will install a fire department override key-switch to allow for emergency access. A second key switch will be furnished that would hold the gate open in one position or place is in the automated mode in the second position with the key being removable in either position.

#### **EQUIPMENT LIST**

The following listed equipment will be furnished:

1	CSL-24UL	Liftmaster sliding gate operator, 1/2 hp rated 24VDC motor, 120VAC,
		with battery backup
1	LMRRU	Retro-reflective Photo-eye, sighted across the gate opening, safety, stops
		the gate if an obstruction is detected during the closing cycle
1	LOOPDETLM	Plug In Vehicle detector, opens the gate automatically for exiting vehicles
1	LOOPDETLM	Plug in vehicle detector, safety, connected to two loops installed adjacent
		to the gate, stop and prevents the gate from closing if a vehicle presence is
		detected during the closing cycle
1	AK-11	Field programmable digital keypad
1	PED-42-9C	Gooseneck stand
1	AP-5	Filed programmable receiver

Filed programmable receiver

1066 Antenna Kit

1	LMWEKTU	Monitored Safety edge transmitter and receiver kit
1	S505AL	5' Safety Edge. Monitored, mounted to the leading edge of the gate
1	1KXL-KA	Key-switch, hold open/automated, key removable in either position
1	3502	Fire Department Override Key-switch

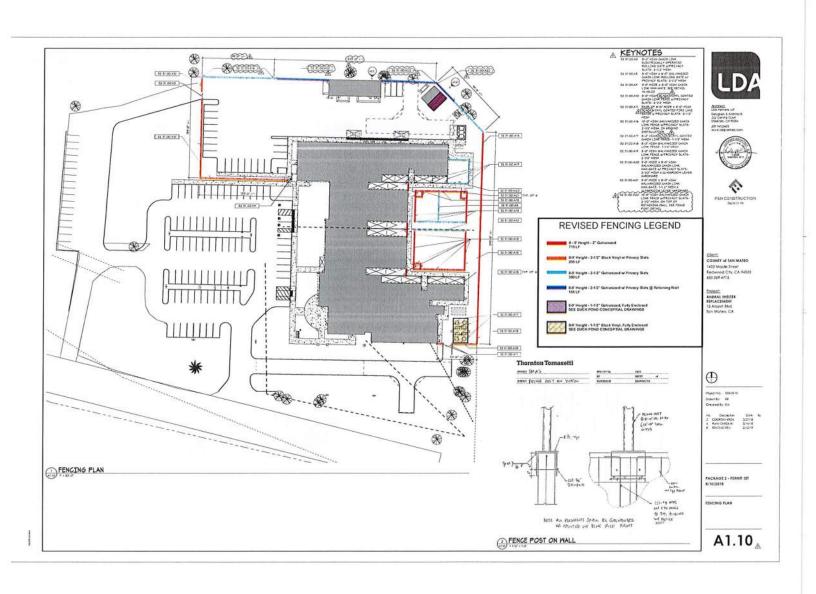
## SCOPE OF WORK

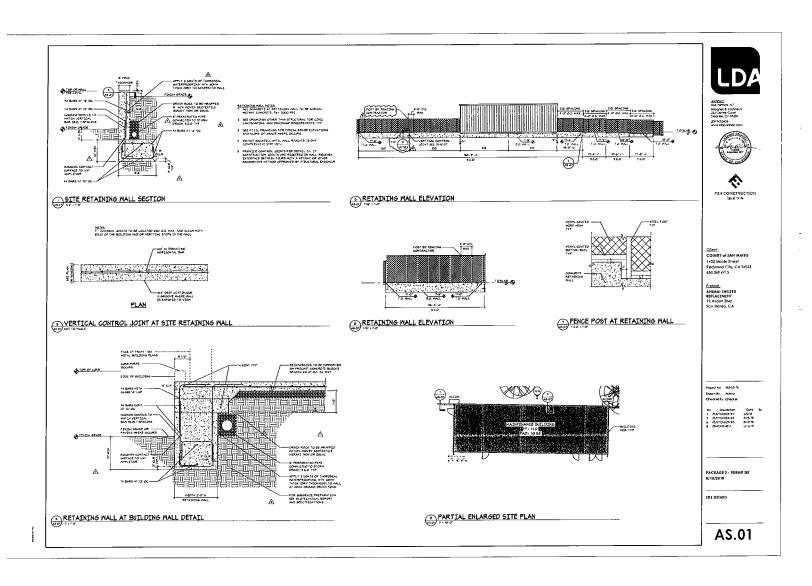
## We will do the following:

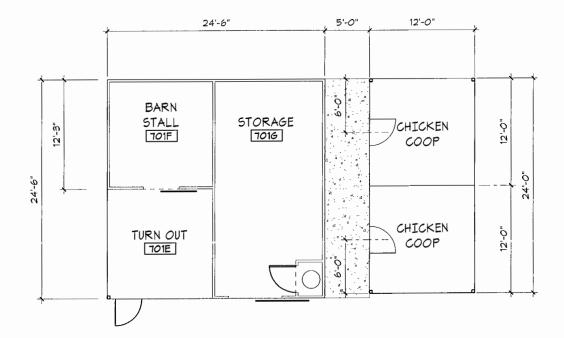
- 1. Coordinate our work with the related work that is being done by others.
- 2. Mount all equipment units.
- 3. Furnish, install and terminate all control wiring.
- 4. Bring up the system and provide final field adjustment and complete operational testing.
- 5. Provide a one-year warranty, parts and on site labor included.

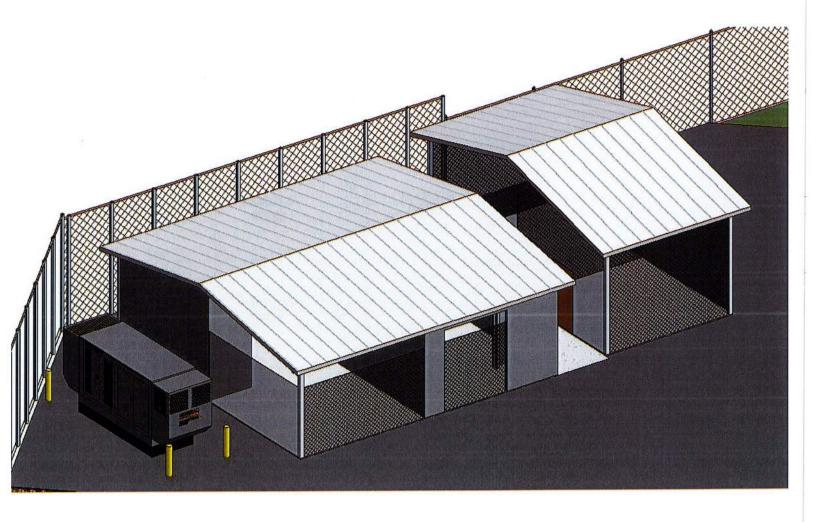
# The following work is to be done by others:

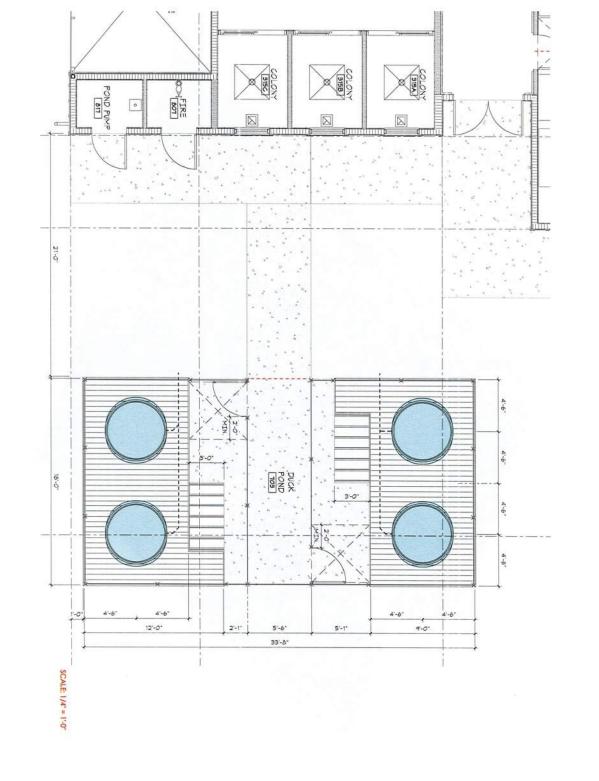
- 1. 120VAC @20AMP power furnished to the motor operator.
- 2. Rough in control conduits as required.
- 3. Permit.

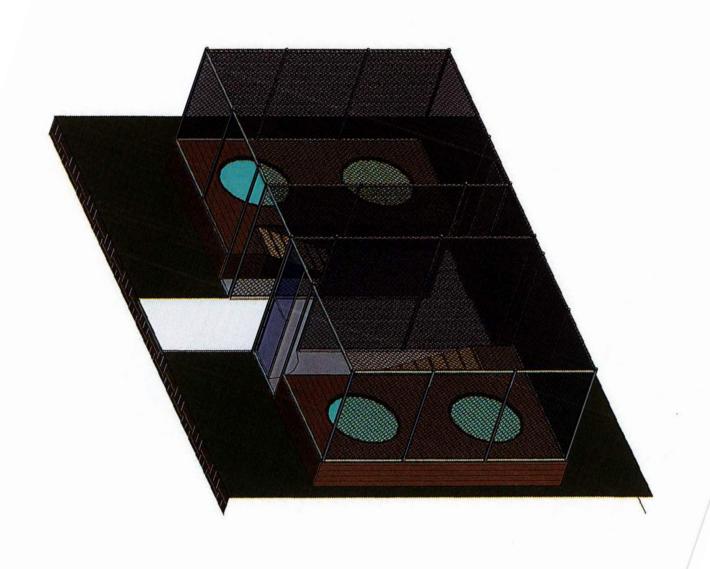














# Change Request

To: Robert Hennessy

Jacobs

Number: 8039

Date: 10/30/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Antenna Lightning Protection

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the lightning protection requested by the County.

See attached COR and Email string for details

ost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
6-0100 Electrical				\$6,860.80		\$6,860.80
					Subtotal:	\$6,860.80
	1.6	COMPO	NENT 3 - BIT	\$6,860.80	2.70 %	\$185.24
	COMPONENT 1 -	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COME	PONENT 2 - SU	JB MARK-UP	\$6,860.80	5.00 %	\$343.04
					Total:	\$7,389.08

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:



#### Intermountain Electric

947 Washington Street San Carlos, CA 94070 Telephone: 650.591.7118 Fax: 650.591.7123

F & H Construction
Contact: Brendan Corbett

CHANGEORDER

26

Date:

REF:

10/30/2019

Project Name: Project Number: SMAS - Animal Shelter SMAS - Animal Shelter

Page Number:

1

# PROPOSED CHANGE ORDER

#### **Work Description**

Lightning protection for antenna scope

Provide #6THHN wire from antenna at Dispatch room 206, to ground rod, and final termination at MSB main ground bar

### install ground connection to antenna

run conduit for ground wire from antenna down through roof penetrate building exterior and mount WP junction box run conduit from Junction box to ground well christy box Install 3/4"x10' ground rod in ground well

run ground wire through conduits from antenna to ground rod and back up into ceiling space free air ground wire back to Main Electrical room by strapping to wooden beams add necessary conduit to terminate wire at main ground bar

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within  $\underline{\bf 10}$  days from the date of receipt.

We request a time extension of  $\underline{3}$  days.

We will supply and install all materials, labor, and equipment as per your instructions on .

### Itemized Breakdown

Description	Qty	Net Price U	Total Mat.	LaborU	Total Hrs.
3/4" CONDUIT - EMT	40	258.58 C	103.43	7.50 C	3.00
3/4" CONN SS STL - EMT	14	240.26 C	33.64	15.00 C	2.10
3/4" COUPLING SS STL - EMT	4	282.36 C	11.29	7.00C	0.28
3/4" EMT & 1/2" RMC 1-PC STRUT CLAMP W/ SADDLE -	2	170.91 C	3.42	0.00C	0.00
1/2 OR 3/4" CONDUIT SNAP CLOSE CLIP W/ 1/4-20 THR	2	52.18 C	1.04	0.00C	0.00
1/2 OR 3/4" CONDUIT+BOX SUPPORT W/ 9/32" MNTG H	2	489.61 C	9.79	0.00C	0.00
# 6 THHN GREEN	310	1,056.29 M	327.45	30.00M	9.30
1" ROMEX STAPLE	83	1.23 C	1.02	0.00C	0.00
4x 1 1/2" SQ BOX COMB KO	2	1,469.00 C	29.38	40.00C	0.80
4" SQ BLANK COVER	2	546.28 C	10.93	10.00 C	0.20
4x 4x 4" WP FLNG J-BOX	1	394.15 E	394.15	2.25E	2.25
1/4" THREADED ROD - PLTD	6	68.72 C	4.12	16.50 C	0.99
1/4-20x 1 HEX HEAD BOLT - PLTD STL	2	9.27 C	0.19	8.40C	0.17
1/4-20 HEX NUT - PLTD STL	2	3.70 C	0.07	3.60C	0.07
#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 12G	6	3.84 C	0.23	7.50C	0.45
GROUND WELL DETAIL	1	190.00 E	190.00	8.30E	8.30

### **Brendan Corbett**

From:

Robert Harders < Robert@im-electric.com>

Sent:

Wednesday, October 30, 2019 9:35 AM

To:

**Brendan Corbett** 

Cc:

Karen Prentice; Anthony Lociero; Todd LaRose; Daniel Hoff; Kevin Moore

Subject:

RE: Animal Shelter Radio

Attachments:

PCO #26 - Lightning protection for radio antenna.pdf

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Attached for your review.

Thank you,

Robert Harders Project Manager



947 Washington Street | San Carlos, CA 94070 Office (650) 591-7118 | Cell (650) 222-0964 Fax (650) 591-7123 | robert@im-electric.com Visit our website @ www.im-electric.com

From: Brendan Corbett <br/>
Sent: Wednesday, October 23, 2019 2:33 PM<br/>
To: Robert Harders <Robert@im-electric.com>

Cc: Karen Prentice <Karen@im-electric.com>; Anthony Lociero <Anthony@im-electric.com>; Todd LaRose <TLarose@f-

hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

Yes,

Please price option 2

**Thanks** 

### **Brendan Corbett**

#### F&H Construction

Project Manager/ Engineer Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Robert Harders < Robert@im-electric.com > Sent: Wednesday, October 23, 2019 12:25 PM
To: Brendan Corbett < bcorbett@f-hconst.com >

## PROPOSED CHANGE ORDER

## Intermountain Electric

947 Washington Street San Carlos, CA 94070

Name:

Date:

Signature:

Change Order #:

F & H Construction

CHANGEORDER

26

2

Date:

10/30/2019

Project Name: Project Number: SMAS - Animal Shelter SMAS - Animal Shelter

Page Number:

-	
DEE:	
ш.	

Description		Qty	Net Price U	Total Mat.	LaborU	Total Hrs.
antenna connection  Totals		1	15.00 E	15.00	0.75E	0.75
		480		1,135.16		28.66
Summary						
General Materials						1,135.16
Material Tax	(@ 9.250 %)					105.00
Material Total					<del>-</del>	1,240.16
ELECTRICIAN	(28.66 Hrs @ \$146					4,018.99
MATERIALHANDLING	(2.00 Hrs @ \$70.0					140.00
AS-BUILTDRAWINGS	(2.00 Hrs @ \$140.					280.46
ENGINEERING	(2.00 Hrs @ \$150.	00)				300.00
Subtotal						5,979.61
Markup	(@ 15.000 %)					881.19
Subtotal						6,860.80
Final Amount					-	\$6,860.80
CONTRACTOR CERTIFICAT	ION					
Name:						
Date:						
Signature:			4-4			
i nereby certily that this q	uotation is complete and accurate based on the	ne information provi	ded.			
CLIENTACCEPTANCE						
CHANGEORDER 26						

## **ORIGINAL**

I hereby accept this quotation and authorize the contractor to complete the above described work.

**Cc:** Karen Prentice < <u>Karen@im-electric.com</u>>; Anthony Lociero < <u>Anthony@im-electric.com</u>>; Todd LaRose < <u>TLarose@f-hconst.com</u>>; Daniel Hoff < dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

I apologize. I completely forgot to send our engineers response. Below is what we will price if scope is agreeable. Option 2 is what we'll work on.

Looks like they just want the antenna grounded to dissipate a lightning strike to ground not lighting protection for the building.

Looks like a # 6 is adequate. I would recommend

- a #6 from the antenna post (I assume a tower is not being installed on the roof) to a ground bus (Maybe in the
  electrical room) then a #6 from the ground bus to a ground rod and a #6 from the ground bus to the MSB
  ground. At the post provide a double lug ground terminal one for the ground wire and a spare if the antenna
  guys need to tie to the ground.
- 2. Another option is to skip the ground bus and run from the antenna to the ground rod and then to MSB.

Thank you,

Robert Harders Project Manager



947 Washington Street | San Carlos, CA 94070 Office (650) 591-7118 | Cell (650) 222-0964 Fax (650) 591-7123 | robert@im-electric.com Visit our website @ www.im-electric.com

From: Brendan Corbett < bcorbett@f-hconst.com > Sent: Tuesday, September 24, 2019 2:02 PM
To: Robert Harders < Robert@im-electric.com >

Cc: Karen Prentice <Karen@im-electric.com>; Anthony Lociero <Anthony@im-electric.com>; Todd LaRose <<u>TLarose@f-</u>

hconst.com>; Daniel Hoff < dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

#### Robert

See attached email with responses. Let me know if you need anything else to provide a CO

#### Thanks

#### **Brendan Corbett**

F&H Construction

Project Manager/ Engineer

Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Robert Harders < Robert@im-electric.com > Sent: Monday, September 16, 2019 3:59 PM
To: Brendan Corbett < bcorbett@f-hconst.com >

Cc: Karen Prentice < Karen@im-electric.com >; Anthony Lociero < Anthony@im-electric.com >; Todd LaRose < TLarose@f-

hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sorry, took our engineer a bit longer to come up with a solution than we thought. He has the following questions so he can properly address the issue. Please confirm intent.

Is it the owners intent to just ground the antenna in case of lightning or actually try and protect the antenna.

If just the antennae the a two ground conductor should run from the antenna to the perimeter of the building then down to a ground rod (opposite sides of the building). The ground conductor shall also bond to the service ground so all grounded surfaces are at the same potential.

#2 Cu conductor minimum.

If they want to protect the antenna then a lightning protection system will need to be installed (NFA 780).

I don't think they have much of a chance of a lightning strike in this area and with the tall building going up across the street.

Thank you,

Robert Harders
Project Manager



947 Washington Street | San Carlos, CA 94070 Office (650) 591-7118 | Cell (650) 222-0964 Fax (650) 591-7123 | robert@im-electric.com Visit our website @ www.im-electric.com

From: Brendan Corbett < bcorbett@f-hconst.com > Sent: Thursday, September 12, 2019 7:48 PM

To: Robert Harders < Robert@im-electric.com >

Cc: Karen Prentice <Karen@im-electric.com>; Anthony Lociero <Anthony@im-electric.com>; Todd LaRose <<u>TLarose@f-</u>

hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

Karen and Robert,

What is the status of the ground CO? Sorry for late emails, I'm doing meeting minutes and don't want to forget the items that came up with the owner

### Thank you

## **Brendan Corbett**

#### F&H Construction

Project Manager/ Engineer Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Brendan Corbett

Sent: Monday, September 09, 2019 3:21 PM
To: 'Robert Harders' < Robert@im-electric.com >

Cc: 'Karen Prentice' <Karen@im-electric.com>; 'Anthony Lociero' <Anthony@im-electric.com>; Todd LaRose

<TLaRose@f-hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

#### Karen

Where are we at with this CO for the ground rod and ring/string for this antenna?

#### **Thanks**

#### **Brendan Corbett**

#### F&H Construction

Project Manager/Engineer Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Brendan Corbett

Sent: Wednesday, July 24, 2019 4:19 PM
To: Robert Harders < Robert@im-electric.com >

Cc: Karen Prentice <Karen@im-electric.com>; Anthony Lociero <Anthony@im-electric.com>; Todd LaRose <TLaRose@f-

hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

### Yes,

State this in the CO

#### **Thanks**

### **Brendan Corbett**

#### F&H Construction

Project Manager/ Engineer Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Robert Harders < Robert@im-electric.com >

Sent: Wednesday, July 24, 2019 3:08 PM
To: Brendan Corbett <a href="mailto:bcorbett@f-hconst.com">bcorbett@f-hconst.com</a>

Cc: Karen Prentice <Karen@im-electric.com>; Anthony Lociero <Anthony@im-electric.com>; Todd LaRose <<u>TLarose@f-</u>

hconst.com>; Daniel Hoff < dhoff@f-hconst.com>

Subject: RE: Animal Shelter Radio

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This usually goes down to an isolated ground rod. We don't tie lighting protection grounding to our system grounding. Should we provide a dedicated ground rod and tie that to the antenna with the #6?

Thank you,

Robert Harders
Project Manager



947 Washington Street | San Carlos, CA 94070 Office (650) 591-7118 | Cell (650) 222-0964 Fax (650) 591-7123 | robert@im-electric.com Visit our website @ www.im-electric.com

From: Brendan Corbett < bcorbett@f-hconst.com >

Sent: Wednesday, July 24, 2019 3:01 PM
To: Robert Harders < Robert@im-electric.com>

Cc: Karen Prentice < Karen@im-electric.com >; Anthony Lociero < Anthony@im-electric.com >; Todd LaRose < TLarose@f-

hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Subject: FW: Animal Shelter Radio

### Robert

## Can you supply a PCO for the following add:

- In the dispatch room, run conduit going down in the wall to a mud ring
- 6 awg ground (for lightning protection) can be provided at the antenna or at a minimum a grounding point where we can ground the antenna and cable

Thank you

#### **Brendan Corbett**

F&H Construction

Project Manager/ Engineer Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Lori Morton-Feazell < Imorton-feazell@smcgov.org>

Sent: Monday, July 22, 2019 8:05 AM

To: Brendan Corbett <bcorbett@f-hconst.com>

Cc: Robert Hennessy < rhennessy@smcgov.org>; Cassius Lockett < clockett@smcgov.org>; Lori Morton-Feazell

<a href="mailto:smcgov.org"><a href="mailto:lmorton-feazell@smcgov.org">subject: RE: Animal Shelter Radio</a>

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi,

Thanks for clarifying these points..

Can you get a quote from the contractor to do the following:

- In the dispatch room, run conduit going down in the wall to a mud ring
- 6 awg ground (for lightning protection) can be provided at the antenna or at a minimum a grounding point where we can ground the antenna and cable

Bob, these items should have been included as Theresa worked with Steve from Radio Services in 2015.

Thanks, Lori

From: Brendan Corbett <bcorbett@f-hconst.com>

Sent: Monday, July 22, 2019 7:19 AM

To: Stevan Salinas <ssalinas@smcgov.org>; Lori Morton-Feazell <!morton-feazell@smcgov.org>

Cc: Christopher Petrie <cpetrie@smcgov.org>; Todd LaRose <TLarose@f-hconst.com>; Daniel Hoff <dhoff@f-

hconst.com>

Subject: RE: Animal Shelter Radio

CAUTION: This email originated from outside of San Mateo County. Unless you recognize the sender's email address and know the content is safe, do not click links, open attachments or reply.

#### Steve and Lori,

This is not quite what was discussed. Please see my comments below:

### **Brendan Corbett**

F&H Construction

Project Manager/Engineer Civil EIT, LEED AP BD+C (209) 331-6686 CELL

From: Stevan Salinas <ssalinas@smcgov.org>

Sent: Friday, July 19, 2019 3:08 PM

To: Lori Morton-Feazell <a href="mailto:lmorton-feazell@smcgov.org">lmorton-feazell@smcgov.org</a>; Brendan Corbett <a href="mailto:bcorbett@f-hconst.com">bcorbett@f-hconst.com</a>>

Cc: Christopher Petrie <cpetrie@smcgov.org>

Subject: Animal Shelter Radio

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Thank you both for meeting with us this morning.

Per our earlier conversation I have comprised the below bullet points:

- F and H Construction/ contractor will bore the hole (in ceiling) to the dispatch room (**T-Bar Ceiling, F&H can bore hole here, let us know exact location**) and bore hole to roof providing emt chase on both holes
- F and H Construction/ contractor will construct the support to the exterior of the roof where the Radio shop will install the pipe mount for the yagi antenna. Not sure what is meant by construct the "support to the exterior", I stated, we will install backing near the ridge (2x6 blocks behind siding, so the mount furnishes and installed by the county will have something to attach to. F&H is not constructing a support.
- Lori/ PHS will notify the Radio shop of when the contractor turns the keys over to the County (with at least a week's notice), estimated to be FEB-MAR 2020.
- Radio Shop does installation of pipe mount, cabling and move of radio equipment.
  - o Plenum cable is to be used in the installation.
  - Exterior hole to be filled/ sealed after installation is complete
- Radio Shop moves existing radio equipment and tests in new location

Am I missing anything?

Also, a couple of things...

In the dispatch room can we have a conduit going down in the wall to a mud ring so we can bring the cable down in between the walls easily after construction is complete? Yes, but this is not something F&H can work on (union rules), if required, I would have to get a price from our electrical contractor. Is there any way that an 6 awg ground (for lightning protection) can be provided at the antenna or at a minimum a grounding point where we can ground the antenna and cable? Yes, but this is not something F&H can work on (union rules), if required, I would have to get a price from our electrical contractor.

Lori, I will send you what I sent Theresa for charges of the move. Chris Petrie will more than likely be heading the install and move as I will not be here when this is scheduled to occur (FEB- MAR 2020). If you have any questions for us, please let us know. Thanks.

V/r,

Steve Salinas Systems Engineer SMCo. ISD- Radio Services 650-363-4442 ssalinas@smcgov.org

## **Brendan Corbett**

From: Christopher Petrie <cpetrie@smcgov.org>

Sent: Tuesday, September 24, 2019 1:49 PM

To: Lori Morton-Feazell

Cc: Brendan Corbett; Cassius Lockett; Todd LaRose; Robert Hennessy

Subject:RE: Animal Shelter RadioAttachments:Installation Practices 2.pdf

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon everyone,

I ran these questions by my coworkers and see our answers in red. Please let me know if there's anything else you'd like clarified. Thanks for your time.

Is it the owners intent to just ground the antenna in case of lightning or actually try and protect the antenna.

What we've proposed is a standard antenna ground system similar to one that should be installed on any outdoor antenna structure including rooftop television antennas. The intent is to protect the building, building personnel, and the infrastructure within the building, including the radio equipment attached to the antenna if possible. If the antenna were to be struck by lightning, the radio and most, if not all associated equipment would need to be replaced. The intent here is to dissipate most of the electrical energy before it has opportunity to enter the building and cause additional significant damage.

If just the antennae the a two ground conductor should run from the antenna to the perimeter of the building then down to a ground rod (opposite sides of the building). The ground conductor shall also bond to the service ground so all grounded surfaces are at the same potential.

I'm not quite sure what you're asking here but the attached County of San Mateo Installation Standards and Practices guide discusses this in the section entitled Lightning Protection/Grounding.

#### #2 Cu conductor minimum.

6 AWG copper grounding cable is what we normally use to connect antennae to a ground buss, the ground buss is then connected to the building ground with a 6 AWG.

If they want to protect the antenna then a lightning protection system will need to be installed (NFA 780). We will use a polyphaser to mitigate damage to the radio and inline equipment in case the antenna is struck with lightning. This is a device that acts as a fuse, opening the transmission line under high current conditions, such as a nearby lightning strike.

I don't think they have much of a chance of a lightning strike in this area and with the tall building going up across the street.

A nearby strike can induce considerable current into an antenna, and unless there's a way to dissipate that energy to ground before it reaches the equipment, you will mostly sustain damage. We've had lightning strikes a considerable distance away create damage in radio equipment.

Very respectfully,

#### **Chris Petrie**

IS Communications Specialist II

#### **Radio Services**

County of San Mateo | Information Services Department

1320 Marshall Street

Redwood City, CA

(650) 363-4442 - Main office

(650) 599-1053 - Desk phone

(650) 399-5137 - Work Cell

From: Lori Morton-Feazell

**Sent:** Tuesday, September 17, 2019 11:47 AM **To:** Christopher Petrie <cpetrie@smcgov.org>

Cc: Brendan Corbett <bcorbett@f-hconst.com>; Cassius Lockett <clockett@smcgov.org>; Todd LaRose <TLarose@f-

hconst.com>; Robert Hennessy <c\_rhennessy@smcgov.org>

Subject: FW: Animal Shelter Radio

Hi,

Can you please review the attached email and let us know if the antenna needs a ground.

Thanks,

Lori

From: Brendan Corbett <br/>
South Trendam Corbett <br/>
So

Sent: Tuesday, September 17, 2019 7:29 AM

To: Lori Morton-Feazell < Imorton-feazell@smcgov.org>

Cc: Robert Hennessy <c\_rhennessy@smcgov.org>; Cassius Lockett <clockett@smcgov.org>; Todd LaRose <TLarose@f-

hconst.com>

Subject: RE: Animal Shelter Radio

CAUTION: This email originated from outside of San Mateo County. Unless you recognize the sender's email address and know the content is safe, do not click links, open attachments or reply.

#### Lori

Please read the attached email from or electrical contractor and provide a response so we can price this added ground

Thank you

#### **Brendan Corbett**

#### F&H Construction

Project Manager/ Engineer Civil EIT, LEED AP BD+C (209) 331-6686 CELL

From: Lori Morton-Feazell < Imorton-feazell@smcgov.org>

Sent: Monday, July 22, 2019 8:05 AM

To: Brendan Corbett <br/>
<br/>
bcorbett@f-hconst.com>

Cc: Robert Hennessy < rhennessy@smcgov.org>; Cassius Lockett < clockett@smcgov.org>; Lori Morton-Feazell

<a href="mailto:smcgov.org"><a href="mailto:lmorton-feazell@smcgov.org">subject:</a> RE: Animal Shelter Radio

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi,

Thanks for clarifying these points..

Can you get a quote from the contractor to do the following:

- In the dispatch room, run conduit going down in the wall to a mud ring
- 6 awg ground (for lightning protection) can be provided at the antenna or at a minimum a grounding point where we can ground the antenna and cable

Bob, these items should have been included as Theresa worked with Steve from Radio Services in 2015.

Thanks, Lori

From: Brendan Corbett <br/>
<br/>
bcorbett@f-hconst.com>

Sent: Monday, July 22, 2019 7:19 AM

To: Stevan Salinas <ssalinas@smcgov.org>; Lori Morton-Feazell <lmorton-feazell@smcgov.org>

Cc: Christopher Petrie <cpetrie@smcgov.org>; Todd LaRose <TLarose@f-hconst.com>; Daniel Hoff <dhoff@f-

hconst.com>

Subject: RE: Animal Shelter Radio

CAUTION: This email originated from outside of San Mateo County. Unless you recognize the sender's email address and know the content is safe, do not click links, open attachments or reply.

#### Steve and Lori,

This is not quite what was discussed. Please see my comments below:

#### **Brendan Corbett**

#### F&H Construction

Project Manager/ Engineer Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Stevan Salinas <ssalinas@smcgov.org>

Sent: Friday, July 19, 2019 3:08 PM

To: Lori Morton-Feazell <a href="mailto:lmorton-feazell@smcgov.org">lmorton-feazell@smcgov.org</a>; Brendan Corbett <a href="mailto:bcorbett@f-hconst.com">bcorbett@f-hconst.com</a>>

Cc: Christopher Petrie <cpetrie@smcgov.org>

Subject: Animal Shelter Radio

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Thank you both for meeting with us this morning.

Per our earlier conversation I have comprised the below bullet points:

- F and H Construction/ contractor will bore the hole (in ceiling) to the dispatch room (**T-Bar Ceiling, F&H can bore hole here, let us know exact location**) and bore hole to roof providing emt chase on both holes
- F and H Construction/ contractor will construct the support to the exterior of the roof where the Radio shop will install the pipe mount for the yagi antenna. Not sure what is meant by construct the "support to the exterior", I stated, we will install backing near the ridge (2x6 blocks behind siding, so the mount furnishes and installed by the county will have something to attach to. F&H is not constructing a support.
- Lori/ PHS will notify the Radio shop of when the contractor turns the keys over to the County (with at least a week's notice), estimated to be FEB-MAR 2020.
- Radio Shop does installation of pipe mount, cabling and move of radio equipment.
  - o Plenum cable is to be used in the installation.
  - o Exterior hole to be filled/ sealed after installation is complete
- Radio Shop moves existing radio equipment and tests in new location

Am I missing anything?

Also, a couple of things...

In the dispatch room can we have a conduit going down in the wall to a mud ring so we can bring the cable down in between the walls easily after construction is complete? Yes, but this is not something F&H can work on (union rules), if required, I would have to get a price from our electrical contractor. Is there any way that an 6 awg ground (for lightning protection) can be provided at the antenna or at a minimum a grounding point where we can ground the antenna and cable? Yes, but this is not something F&H can work on (union rules), if required, I would have to get a price from our electrical contractor.

Lori, I will send you what I sent Theresa for charges of the move. Chris Petrie will more than likely be heading the install and move as I will not be here when this is scheduled to occur (FEB- MAR 2020). If you have any questions for us, please let us know. Thanks.

V/r,

Steve Salinas Systems Engineer SMCo. ISD- Radio Services 650-363-4442 ssalinas@smcgov.org



# Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 30

Date: 3/27/2020

Architect's Project:

To Contractor:

FH CONSTRUCTION PO BOX 2329 LODI, CA 95241

The Contract is changed as for	follows:	as	changed	is	he Contract	The
--------------------------------	----------	----	---------	----	-------------	-----

Owner	Change	Order	#030
OWITE	Change	Oluci	#000

8038.3	Temporary Generator during PG&E Shutdown REV 3		\$136,180.34
8040	Berm Grading and Relocation		\$24,581.02
8041	Layer Cake Excavation Method (SMP and ADMP)		\$12,644.58
8042	Add Epoxy to 2 Laundry Rooms		\$6,779.00
8043.1	Panic Alarm Panel Add REV 1		\$4,798.97
8044.1	Install of Landscape Sleeves		\$5,712.02
8045.4	Asphalt Paving ADD (PHASE IA)		\$121,209.66
8046	Class II Contaminated Soil Off Haul II		\$26,835.03
8047	Soil Import - ADMP and SMP		\$43,628.95
8048	Med Gas Relocation		\$10,792.26
8049	Temp Access and Fencing Add REV 3		\$10,927.95
8051	Cellular System for Fire Alarm		\$3,098.64
8052	Mail Box and Desk Gate ADD		\$4,455.32
8053.1	Asphalt Paving ADD (PHASE II B)		\$117,308.78
8055	Access and Accessibility Pathways		\$47,429.97
8057	Spoils Relocation, Grading and V-Ditch Clearing		\$43,663.62
8058	Asbestos DMP and SMP Enhanced Soil Measures		\$11,681.74
8059	AT&T Conduit Extension	· ·	\$18,118.56
		Total:	\$649,846.41



## Change Order

Project:

10-16-5466 ANIMAL SHELTER REPLACEMENT

12 AIRPORT BLVD SAN MATEO, CA 94401 Change Order: 30

Date: 3/27/2020

Architect's Project:

To Contractor:

**FH CONSTRUCTION** PO BOX 2329 LODI, CA 95241

Scott Gurley

4/16/2020

DocuSigned by:

Scott Gurley D149DF838EF04D

Robert Hennessy

4/16/2020

DocuSigned by:

Robert Hennessy AB3B77D60A0D483.

\$649,846.41

Sam Lin

Assistant Director 4/17/2020

DocuSigned by:

Sam lin EE1B7F4B372C432...

\$648,846.41

Karen Rodgers

DocuSigned by:

taren Kod C9CE582911BB4E0

Reviewed

PDU Confirmed correction to 649,846.47

The original Contract Amount was

Net change by previously authorized Change Orders

The Contract Amount prior to this Change Order was

The Contract will be increased by this Change Order in the amount of

The new Contract Amount including this Change Order will be

The Contract Time will be unchanged.

The date of Substantial Completion as of the date of this Change Order therefore is

\$19,699,197.00

\$4,795,219.71

\$24,494,416.71

\$649,846.41

\$25,144,263.12

LDA PARTNERS **ARCHITECT** 

Date

**FH CONSTRUCTION** 

CONTRACTOR

PO BOX 2329 LODI, CA 95241 Jacobs

**OWNER** 

(Signature)

(Signature)

See Attached CRs (Signature)

See Attached CRs

Ву

4/10/20 Date

See Attached CRs

Date





# CR 8038.3 – Temp Generator during PGE Shutdown P23G6 – (R075045)

Owner: County Manager's 1402 Maple Street Redwood City, CA	t		Date: April 7, 2020 Issued by: Scott Gu	ırley
SCOPE of WOR	<b>K</b> : P23G6-FH-CR 803	88.3 Temp Generator do	uring PGE Shutdown	Ref:
DISPOSITION:  ✓ Approved  ☐ Revise and  ☐ Rejected	l Resubmit			
NARRATIVE:			☐ See attached do	ocuments
including all labor, m generator costs, dela error and additional	naterial, equipment, and incide ay, etc. FH has reduced initia on site coordination leading to	entals to furnish and install all v I cost submission and provided	unt of \$136,180.34 for full and final ar york associated with PGE coordinatior additional back up validating the mete sult of their error ultimately leading to y/ FH.	n, redesign, er application
ADJUSTMENT: Cost: ☐ TBD	□ Add □ Deduct	Schedule: Impact:	□ Yes □ No □ TBD	
Procedures/Changed Wor	k including but not limited to paragrap		ements set forth in Specification 01 2600 modific ders. Funds may not be transferred if change ord BOS	
Owner/County:	Docusigned by:  Scott Guyley	4/7/2020		
(signature) Scott Gurley	U149DF838EF04D7,	(date)	_	
(printed)			_	
	Agreement No.		R075045	

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$21,459,123.71
Available Budget	\$3,035,293.00
This Change Amount	\$136,180.34



## Letter of Transmittal

To: Robert Hennessy Jacobs Date: 3/24/2020  Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT  Subject: Change Request - 8038.3: Temporary Generator during PG&E Shutdown REV 3						
WE ARE SENDING YOU	☐ Atta	ched		Under sep	arate cover via	a the following items:
☐ Shop drawings	☐ Prin	ts		Plans		
☐ Copy of letter	☐ Cha	nge order		Specificati	ons 🔽	Change Request
					<u> </u>	1
Change Degreest	Copies	Date		No.	Description	an areter during DCSE Chutdour DEV 2
Change Request	1	10/30/19	8038.3		Temporary Ge	enerator during PG&E Shutdown REV 3
THESE ARE TRANSMITTE	D oo oboo	alsod balayı	_			
	_				_	
			d as subr			Resubmit copies for approval
☐ For your use			d as note			Submit copies for distribution
☐ As requested			d for corre	ections		Return corrected prints
For review and comme	_		DETUDA	IED AETED	LOAN TO UC	
☐ FOR BIDS DUE		PRINTS	RETURN	IED AF I ER	LOAN TO US	
Remarks:						
Сору То:						
оору то.						
From: Brendan Corbett (F.	& H Const	ruction)		Signat	ure:	



### Change Request

**To:** Robert Hennessy Jacobs

Number: 8038.3

**Date:** 10/30/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Temporary Generator during PG&E Shutdown REV 3

Reason: Unforeseen Condition

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the scope of work to provide a temporary generator during PG&E shutdown AND temporary electrical feed from New building to Existing building due to PG&E design only being able to feed 1 building at a time.

Work needed to re-feed existing Animal Shelter with new service due to PG&E only energizing one building

We will

use the PV breaker in our new 480V MSB to feed the existing animal shelter provide/install 2/0 temp power cord free air(to keep wire size and costs down) running ~450' to existing service area provide/install 112.5kva transformer skid to feed existing 208V service for ~4 months provide/install new 200amp nema3R service disconnect at transformer location

Robert Hennessy

4/7/2020

Once PG&E has completeed their work and new Animal Shelter is online

We will

disconnect temp power generator(generator will feed transformer skid installed per this scope) connect feed from new service to disconnect at transformer skid test voltage and rotation

Robert Hennessy
AB3B77D60A0D483...

OK to Pay \$136,180.34

Once existing Animal Shelter is ready for demolition,

provide/install various cable supports along the way

We will disconnect all temporary power components including cables, supports, transformer skids, and ground rods All items to be removed from site

See attached PCO from Intermountain electric for details

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
16-0100	Electrical				\$39,629.93		\$39,629.93
01-0950	Extended GCs (31 Calendar Days @ \$2,936.80 per)					\$91,040.80	\$91,040.80
Sam Lir	1					Subtotal:	\$130,670.73
_	_		COMPO	NENT 3 - BIT	\$130,670.73	2.70 %	\$3,528.11
Assis1	tant Director	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
4/7/202	20	COMF	ONENT 2 - SU	JB MARK-UP	\$39,629.93	5.00 %	\$1,981.50
				Karen Rodge	rs	Total:	\$136,180.34
DocuSig	gned by:						
Sam (	in			DocuSigned by:	1		

-C9CE582911BB4E0.

DocuSign Envelope ID: 3EC9920C-D431-42BB-8E71-50A4A426A3EE



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

## Change Request

**To:** Robert Hennessy Jacobs

Number: 8038.3 Date: 10/30/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

If you have any questions, please contact me at .		
Submitted by:	Approved by: Date:	



## CR 8040 – Hydroseed P23G6 – (R075045)

Owner: County Manager's Office 1402 Maple Street Redwood City, CA 94063	Date: February 26, 2020 Issued by: Scott Gurley
SCOPE of WORK: P23G6-FH-CR 8040-Hydroseed	Ref: Field Direction Email
DISPOSITION:  ✓ Approved  ☐ Revise and Resubmit  ☐ Rejected	
NARRATIVE:	☐ See attached documents
The PDU has reviewed CR 8040 for Hydroseed and the Berm relocation and grading and the amount of \$24,581.02 for all labor, material, equipment, and incidentals whether direct or in berm grading/relocation scope described herein.	
ADJUSTMENT:	
Cost: ☐ TBD ✓Add ☐ Deduct Schedule: Impact: ☐ Yes	<b>V</b> N₀ □ TBD
The Design Build Entity shall proceed per the disposition slated above and remains subject to all requirements set for Procedures/Changed Work including but not limited to paragraph 3.04 Disputes Relating to Change Orders. Funds m exceed BOS authorized amounts or pending authorizations have not been formally approved by CoSM BOS	
Owner/County: 02/26/2020	
(signature) Scott Gurley (date)	
(printed)	D075045

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,138,662.78
Available Budget	Adjustment Pending BOS Approval
This Change Amount	\$24,581.02

Re: CR 8040 Hydroseed

Brent Hipsher <br/> <br/> brentjhipsher@gmail.com>

Tue 2/25/2020 5:52 PM

To: Scott Gurley <c\_sgurley@smcgov.org>

CAUTION: This email originated from outside of San Mateo County. Unless you recognize the sender's email address and know the content is safe, do not click links, open attachments or reply.

Yes we field directed F&H to hydro seed after they contoured they soil we had onsite.

Brent Hipsher CASp

Sent from my iPhone

On Feb 25, 2020, at 5:36 PM, Scott Gurley <c\_sgurley@smcgov.org> wrote:

Brent,

As discussed, please confirm field directive was provided on CR 8040 attached. There is no back up in the FH submission indicating the work directive and there are no TM tags provided even though its called out as TM scope. Based on our discussion, this work actually saved the county time and money so if there is no issue with the scope package attached in your observations, ill approve.

Best,

Scott

<CR 8040 Berm Grading and Hydroseed.pdf>



### Change Request

To: Robert Hennessy Jacobs

Number: 8040 Date: 11/11/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Berm Grading and Relocation

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This CR is for the T&M work performed to grade and relocate stockpile berms. As part of this work tree removal, V-Ditch clearing and hydroseed were also needed

See attached T&M sheet and tags for details

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
06-0100 Berm Relocation	\$20,919.22					\$20,919.2
					Subtotal:	\$20,919.22
		COMPO	NENT 3 - BIT	\$20,919.22	2.70 %	\$564.82
	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$20,919.22	15.00 %	\$3,137.88
	COMP	ONENT 2 - SU	IB MARK-UP	\$0.00	5.00 %	\$0.00
	Mark up	on Rental Eq.	Tax CREDIT	\$0.00		\$-40.
					Total:	\$24,581.02

Please note that FH CONSTRUCTION will require an extra 0 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:



# CR 8041.2 – Layer Cake Excavation Method P23G6 – (R075045)

Owner: County Manager's Of 1402 Maple Street Redwood City, CA 94					: March 30 ed by: Sco	•
SCOPE of WORK:	P23G6-FH-CR 8041.	2-20200303 Layer (	Cake Exca	avation		Ref:
DISPOSITION:  Approved  Revise and R  Rejected	esubmit					
NARRATIVE:				□ Se	ee attache	ed documents
	iewed CR 8041.2 and rial, equipment, and in					
ADJUSTMENT: Cost: ☐ TBD ☐	Add □ Deduct	Schedule: Impact:	□ Yes	□ No	□ TBD	
Procedures/Changed Work in	proceed per the disposition slated abo cluding but not limited to paragraph 3. Ints or pending authorizations have no	04 Disputes Relating to Change (	Orders. Funds ma			
Owner/County:	—Docusigned by: Scott Gurley	3/30/2020				
(signature)	rley	(date)				
(printed)						
	Agreement No.			R0750	145	
	Unifier Cost Account			00 08		
	Current Budget Value		\$24,	,494,416	.71	
	Total Commits/Spends	;	\$21,	,459,123	.71	

3,035,293.00

\$12,644.58

Available Budget

This Change Amount



#### California Main Office:

1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

## Change Request

This is actually 8041.2 submitted 20200303.

To: Robert Hennessy

Jacobs

Number: 8041 Date: 11/21/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Layer Cake Excavation Method (SMP and ADMP)

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the forced means and methods to excavate the mat slab foundation with the windrows in layers, per the SMP and ADMP

See attached CO and drawings for details

Cost Code Description	Labor	Material	Equipment	Subcontract	Othe	r Price
31-2200 Grading				\$11,812.08		\$11,812.08
					Subtotal:	\$11,812.08
		COMPO	NENT 3 - BIT	\$11,812.08	2.70 %	\$318.93
	COMPONENT 1 - S	ELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMP	ONENT 2 - SU	JB MARK-UP	\$10,271.37	5.00 %	\$513.57
	Ro	bert Henn	essy		Total:	\$12,644.58
	3/	30/2020	К	aren Rodgers		Sam Lin
		DocuSigned by:		—DS		Project Devel
	( )	lobert Hen	14 4 5514	ER		Assistant Dire
		-AB3B77D60A0D4	( (			3/31/2020
				Reviewed		DocuSigned by:
						Sam Lin
						EE1B7F4B372C432
						OK to Pay
						\$12,644.58

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_\_\_\_\_\_\_
Date: \_\_\_\_\_



## CR 8042 – Add Epoxy to 2 Laundry Rooms P23G6 – (R075045)

Owner: County Manager's Of 1402 Maple Street Redwood City, CA 94			Date: February 19, 2020 Issued by: Scott Gurley			
SCOPE of WORK:	P23G6-FH-CR 8042-2019	91125 Add Epoxy to 2 Laundr	y Rooms Ref			
DISPOSITION:  ☑ Approved ☐ Revise and R ☐ Rejected	esubmit					
	s whether direct or indirect to be pa	for the full and final amount of \$6,779. id for by County Health funds as descrinedule: Impact:	bed in CR 8042 backup.			
Procedures/Changed Work inc		remains subject to all requirements set forth in Speutes Relating to Change Orders. Funds may not be formally approved by CoSM BOS				
(signature)	Scott Gurley	(date)				
(printed)						
	Agreement No.	R07	5045			
	Unifier Cost Account	00	08 00			
	Current Budget Value	\$24,494,4	16.71			
	Total Commits/Spends	\$20,138,6	62.78			
	Available Budget	Adjustment Pending BOS App	proval			

This Change Amount

\$6,779.00



## Change Request

To: Robert Hennessy

Jacobs

Number: 8042 Date: 11/25/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Add Epoxy to 2 Laundry Rooms

Reason: Proposal Request

Initiated by: Brendan Corbett (F & H Construction)

We are pleased to offer the following specifications and pricing to make the following changes:

The attached CO is to add epoxy into the Laundry rooms - 608 nad 404

F&H is paying for \$2,000, Health is paying for remiander

Cost Code	Description	Labor	Material	Equipment	Subcontract	Other	Price
09-6200	Specialty Flooring				\$8,779.00		\$8,779.00
						Subtotal:	\$8,779.00
			COMPO	NENT 3 - BIT	\$8,779.00	2.70 %	\$237.03
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
		COMP	ONENT 2 - SU	B MARK-UP	\$8,779.00	5.00 %	\$438.95
			Deduct f	rom 01-0950	\$0.00		\$-2,675.98
						Total:	\$6,779.00

Please note that FH CONSTRUCTION will require an extra 0 days to complete this work.

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_

Date: \_





# CR 8043.1 - Panic Alarm Panel P23G6 - (R075045)

Owner: County Manager's Of 1402 Maple Street Redwood City, CA 94			Date: Apr Issued by	ril 7, 2020 y: Scott Gurley
SCOPE of WORK:	P23G6-FH-CR 8043.1 P	anic Alarm Panel	Ref:	
DISPOSITION:  ✓ Approved  ☐ Revise and Re  ☐ Rejected	esubmit			
NARRATIVE:			☐ See af	ttached documents
	CR 8043.1 and this CR is approved irect or indirect for the fire alarm			oor, material, equipment,
ADJUSTMENT:				
Cost: ☐ TBD ☐	Add ☐ Deduct So	chedule: Impact:	Yes □ No □	TBD
Procedures/Changed Work inc	roceed per the disposition slated above an sluding but not limited to paragraph 3.04 Dis nts or pending authorizations have not bee	sputes Relating to Change Orders.	Funds may not be transferre	
Owner/County:	—Docusigned by: Scott Gwley	4/7/2020		
(signature) Scott Gur	1ey	(date)		
(printed)		_		
	Agreement No.		R075045	
	Unifier Cost Account		00 08 00	
	Current Budget Value		\$24,494,416.71	
	Total Commits/Spends		\$21,459,123.71	

Available Budget
This Change Amount

\$3,035,293.00

\$4,798.97



## Letter of Transmittal

To: Robert Hennessy Jacobs  Subject: Change Request	t - 8043.1: I	<sup>⊃</sup> anic Alarm		ttal #: 621 Date: 3/27/2020 Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT
WE ARE SENDING YOU	☐ Attac			arate cover via the following items:
<ul><li>☐ Shop drawings</li><li>☐ Copy of letter</li></ul>	☐ Prints☐ Char	s nge order	☐ Plans ☐ Specification	<ul><li>☐ Samples</li><li>ons</li><li>☑ Change Request</li></ul>
Document Type	Copies	Date	No.	Description
Change Request	1	12/3/19	8043.1	Panic Alarm Panel Add REV 1
THESE ARE TRANSMITTE				E. Davidavita assista for account
<ul><li>✓ For approval</li><li>☐ For your use</li></ul>			d as submitted d as noted	<ul><li>Resubmit copies for approval</li><li>Submit copies for distribution</li></ul>
☐ As requested			d for corrections	Return corrected prints
☐ For review and comm				consider printe
☐ FOR BIDS DUE		PRINTS	RETURNED AFTER	LOAN TO US
Remarks:				
Copy To:				
From: Brendan Corbett (F	& H Constr	uction\	Signat	Ture:



## Change Request

To: Robert Hennessy

Jacobs

Number: 8043.1 Date: 12/3/19

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Panic Alarm Panel Add REV 1

Reason: Design Change

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

#### Panic Alarm:

Pricing increased on the intrusion system side due to having to add a standalone intrusion panel when originally, we had connected the intrusion devices to the access control system as is done throughout the

County to communicate with the Sheriffs Office for dispatch assistance. Intrusion Detection system was Value engineered out of the project, so this panel needs to be added

Cost Code Description	l	₋abor	Material	Equipment	Subcontract	Other	Price
16-0100 Electrical					\$4,672.80		\$4,672.80
						Subtotal:	\$4,672.80
			COMPO	NENT 3 - BIT	\$4,672.80	2.70 %	\$126.17
	COMPON	ENT 1 - 9	SELF PERFOR	RM MARK-UP	\$0.00	15.00 %	\$0.00
		COMF	ONENT 2 - SU	JB MARK-UP	\$0.00	5.00 %	\$0.00
						Total:	\$4,798.97
	Robert Henne: 4/7/2020  Docusigned by:  Robert Hum  AB3B77D60A0D48: \$4,798.97	nessy	lear lear	Rodgers usigned by: us fodgers E582911BB4E0	4/10/ Sam EE11	stant Direc	tor
f you have any questions, μ	olease contact me at (20	9)931-3 <sup>·</sup>	738.				

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:	
Date:	





# CR 8044.1 – Irrigation Sleeves P23G6 – (R075045)

Owner: County Manager's Off 1402 Maple Street Redwood City, CA 94				Date: April 16, 2020 Issued by: Scott Gurley
SCOPE of WORK:	P23G6-FH-CR 804	44.1-20200201 Irri	gation Sleeves	Ref: Stamp FH agreement
DISPOSITION:  ✓ Approved  ☐ Revise and Re  ☐ Rejected	esubmit			
NARRATIVE:				☐ See attached documents
\$5,712.02 for all labor, n	naterial, equipment, and reviewed and agrees tha	incidentals whether direct	t or indirect for wor	ed to correction of full and final amount rk associated with irrigation sleeves ufficient for this agreement and
ADJUSTMENT: Cost: □ TBD □	Add □ Deduct	Schedule: Impa	ıct: □ Yes	□ No □ TBD
Procedures/Changed Work inc.		ph 3.04 Disputes Relating to Ch	ange Orders. Funds ma	h in Specification 01 2600 modification by not be transferred if change order amounts
Owner/County:	Docusigned by:  Scott Gurley	4/16/2020		
(signature) Scott Gurl	еу	(date)		
(printed)				
	Agreement No.			R075045

Agreement No.	R075045
Unifier Cost Account	00 80 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,459,123.71
Available Budget	\$3,035,293.00
This Change Amount	\$5,712.02

INIV 64 00202F 004	10.10.20					
INV S1892035.001	19.10.29					1
Material	Cost					
6SDR35 PVC Sewer Stop	\$ 22.53				-	
4 SDR35 PVC Swere San Tee	\$ 7.63					
4 no hub coupling	\$ 6.47					
6x20 SDR35 PVC Swere pipe	\$ 61.00					
4x20 SDR35 PVC Sewer Pipe	\$ 26.80					
	A 10115					
Tay (0.75%)	\$ 124.43		+			<del> </del>
Tax (9.75%)	\$ 12.13	+				+
	\$ 136.56					
INV S1887902.001	19.10.15					
	Cost					
	\$ 72.00		+			+
	\$ 9.44 \$ 95.20					
	\$ 95.20					+
	\$ 520.80					+
	\$ 39.71					†
	\$ 17.54					1
	\$ 16.73					
	\$ 4.22					
	\$ 96.70					
	\$ 38.73					+
	\$ 13.70 \$ 74.80					+
	\$ 74.80					+
	\$ 32.10	-				+
	7 10.03					†
	\$ 1,087.00					
Tax	\$ 105.98					
	\$ 1,192.98					-
Material	ć 1330.5¢		+			+
Material	\$ 1,329.54		-+			+
Ray B	\$ 104.51	13 \$	1,358.63			
, 5	\$ 98.54		492.70			†
	\$ 67.60	10 \$			-	
	\$ 95.23		761.84			
		ė :	3,289.17			
Mini Ex	\$ 31.51	8 \$	252.08			all Design Desiled
				Included in	n component 2	all Design-Build Entity's motor vehicles used by any I
Operator Truck	\$ 27.77	8 \$	222.16		00 2.03.B.5.	Entity's personnel, and all costs there
		\$	474.24			
				\$	1,329.54	\$
			-+	\$	3,289.17	4
				\$	474.24	
					-,77.24	<del>  +</del>
ennessy				\$	5,092.95	\$
				\$	4,974.84	
				\$	134.32	
by:				\$	746.23	\$
unnessy				l l		\$ 5,

DocuSigned by: Sam Lin

4/16/2020

Assistant Director

\$5,712.02

FH to confirm

\$5,712.02 Cost Confirmed by F&H Daniel Hoff Of Calls, E-dhoffler hoost comDocuSign Envelope ID: 3EC9920C-D431-42BB-8E71-50A4A426A3EE



to correct mark up. FH provided confirmation on CR 8044.1 on log stamped on previous page. PDU accepts the stamp confirmation in lieu of revise CR as scope and cost match PDU review

Project Development Unit 1402 Maple Street Redwood City, CA 94063 www.smcgov.org

NA

## CR 8044 – Irrigation Sleeves P23G6 – (R075045)

Owner: County Manager's O 1402 Maple Street Redwood City, CA 9			Date: February 19, 2020 Issued by: Scott Gurley
SCOPE of WORK	: P23G6-FH-CR 8044-2020	00201 Irrigation Sleeves	Ref:
DISPOSITION:  Approved Revise and R	Resubmit		
NARRATIVE:			☐ See attached documents
Entity's motor vehicles	king motor vehicle costs are to be re	ersonnel, and all costs thereof. Th	Il Design-Build his scope is submitted as self perform a up and confirm this corrected amount
ADJUSTMENT:  Cost: ✓ TBD □	l Add □ Deduct Sch	nedule: Impact: ☐ Yes	□ No □ TBD
Procedures/Changed Work in	proceed per the disposition slated above and icluding but not limited to paragraph 3.04 Disp unts or pending authorizations have not been i	utes Relating to Change Orders. Funds may	
Owner/County:	955	02/19/2020	
(signature)	Scott Gurley	(date)	
(printed)			
	Agreement No. Unifier Cost Account Current Budget Value	\$24,	R075045 00 08 00 494,416.71
	Total Commits/Spends Available Budget	\$20,3 Adjustment Pending BO	138,662.78 S Approval

This Change Amount

CR 8044					
INV 04 00 00 0 0 0 0	40.40.00				
INV S1892035.001	19.10.29				
Material	Cost				
6SDR35 PVC Sewer Stop	\$ 22.53				
4 SDR35 PVC Swere San Tee	\$ 7.63				
4 no hub coupling	\$ 6.47				
6x20 SDR35 PVC Swere pipe 4x20 SDR35 PVC Sewer Pipe	\$ 61.00 \$ 26.80				
4x20 3BN331 VC 3CWCI 11pc	ÿ 20.00				
	\$ 124.43				
Tax (9.75%)	\$ 12.13				
	\$ 136.56				
INV S1887902.001	19.10.15				
	Cost				
	\$ 72.00				
	\$ 9.44				
	\$ 95.20				
	\$ 16.44 \$ 520.80				
	\$ 520.80				
	\$ 17.54				
	\$ 16.73				
	\$ 4.22				
	\$ 96.70				
	\$ 38.73 \$ 13.70				
	\$ 74.80				
	\$ 52.10				
	\$ 18.89				
	\$ 1,087.00				
Tax	\$ 105.98				
	\$ 1,192.98				
Material	\$ 1,329.54				
Ray B	\$ 104.51	12	\$ 1,358.63		
ndy b	\$ 98.54		\$ 1,338.03		
	\$ 67.60	10			
	\$ 95.23	8	\$ 761.84		
			\$ 3,289.17		
Mini Ex	\$ 31.51	8	\$ 252.08		all Design-Build
				Included in component 2	Entity's motor vehicles used by any Design-Build
Operator Truck	\$ 27.77	8	\$ 222.16	per 01 2600 2.03.B.5.	Entity's personnel, and all costs thereof;
			\$ 474.24		
			3 4/4.24		
				\$ 1,329.54	
				\$ 3,289.17 \$ 474.24	\$ 3,289.17 \$ 252.08
				\$ 5,092.95	\$ 4,870.79
				\$ 4,974.84	\$ 4,752.68
				\$ 134.32	\$ 128.32
				\$ 746.23	\$ 712.90
					ć F 742 02
				\$ 5,973.50	\$ 5,712.02



## Letter of Transmittal

To: Robert Hennessy Jacobs  Subject: Change Request	: - 8044: Ins	stall of Land		tal #: 570  Date: 1/2/2020  Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attac ☐ Prints ☐ Chan		<ul><li>☐ Under sep</li><li>☐ Plans</li><li>☐ Specificati</li></ul>	arate cover via the following items:  ☐ Samples ons
Document Type	Copies	Date	No.	Description
Change Request	1	1/2/20	8044	Install of Landscape Sleeves
THESE ARE TRANSMITTE  For approval  For your use  As requested  For review and comme		Approve Approve Returned	: d as submitted d as noted d for corrections	<ul> <li>□ Resubmit copies for approval</li> <li>□ Submit copies for distribution</li> <li>□ Return corrected prints</li> </ul>
☐ FOR BIDS DUE			RETURNED AFTER	LOAN TO US
Remarks:				
Сору То:				
From: Brendan Corbett (F	& H Constr	uction)	Signat	cure:



## Change Request

To: Robert Hennessy

Jacobs

Number: 8044 Date: 1/2/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Install of Landscape Sleeves

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

SUPERSCEDED: CR 8044 directed revise and resubmit to correct mark up. FH provided confirmation on CR

8044.1 on log stamped

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the landscape sleeves installed by F&H due to no Landscaping included in current design or contract. This work had to be done prior to sidewalks being installed

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
06-0100 Lanscape sleeves	\$3,289.17	\$1,329.52	\$474.24			\$5,092.93
					Subtotal:	\$5,092.93
	(	COMPONENT 3	- BIT <mark>(no tax)</mark>	\$4,974.82	2.70 %	\$134.32
	COMPONENT 1 - SELF F	PERFORM MARI	K-UP (no tax)	\$4,974.82	15.00 %	\$746.22
	COM	IPONENT 2 - SU	JB MARK-UP	\$0.00	5.00 %	\$0.00
					Total:	\$5,973.47

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION





# CR 8045.3 – Paving and Striping Phase 1A P23G6 – (R075045)

Owner: County Manager's C 1402 Maple Street Redwood City, CA 9			Date: Apr Issued by	ril 3, 2020 y: Scott Gurley
SCOPE of WORK	: P23G6-FH-CR 804	5.3 Paving and Striping	3	Ref:
DISPOSITION:				
Approved				
☐ Revise and F	Resubmit			
☐ Rejected				
NARRATIVE:			□ See a	ttached documents
		oved for full and final amount o		sion of 7 days for asphalt
ADJUSTMENT:				
Cost: ☐ TBD ☐	☐ Add ☐ Deduct	Schedule: Impact:	☐ Yes ☐ No ☐	TBD
Procedures/Changed Work i	ncluding but not limited to paragraph	bove and remains subject to all requir 3.04 Disputes Relating to Change Or not been formally approved by CoSM	ders. Funds may not be transferre	
Owner/County: /	— DocuSigned by:			
_	Scott Gurley	4/8/2020		
(signature)	Gurley	(date)	_	
(printed)			_	
	Agreement No.		R075045	
	Unifier Cost Account		00 08 00	
	Current Budget Valu		\$24,494,416.71	

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$21,459,123.71
Available Budget	\$3,035,293.00
This Change Amount	\$121,209.66



## Letter of Transmittal

To: Robert Hennessy Jacobs  Subject: Change Request	: - 8045.3: <i>F</i>	Asphalt Pav		tal #: 610 Date: 3/24/2020 Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT )
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attac☐ Prints☐ Chan		<ul><li>☐ Under sep</li><li>☐ Plans</li><li>☐ Specification</li></ul>	arate cover via the following items:  ☐ Samples ons ☑ Change Request
Document Type	Copies	Date	No.	Description
Change Request	1	1/2/20	8045.3	Asphalt Paving ADD (PHASE IA)
THESE ARE TRANSMITTE   ✓ For approval  ☐ For your use  ☐ As requested  ☐ For review and comme	ent —	Approved Approved Returned Other	d as submitted d as noted d for corrections	☐ Resubmit copies for approval ☐ Submit copies for distribution ☐ Return corrected prints
☐ FOR BIDS DUE		PRINTS	RETURNED AFTER	LOAN TO US
Remarks: Copy To:				
From: Brendan Corbett (F	& H Constr	uction)	Signat	ure:



California Main Office: 1115 E. Lockeford St. Lodi, CA. 95240

(209) 931-3738

### Change Request

To: Robert Hennessy

Number: 8045.3

Jacobs Date: 1/2/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Asphalt Paving ADD (PHASE IA)

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for adding paving of the existing parking lots and drive isles to scope of contract labeled PHASE IA on attached map. This is including Demo, paving, striping and an additional move in to do this extra work in 2 phases to have access to the new shelter while Phase II work is completed. This revised COR also includes a breakdown of the F&H self-performed work along with half of the extended GCs required to complete this extra work.

#### Work included but not charged:

- -Onsite design meetings for paving scope to make as economical as possible: Met 3 times with Teichert John Bridges, Josh Kelly and Chris McBride
- -Coordinating delivery of equipment, base rock and AC truck
- -PHS coordination of the shutdown parking areas
- -Add these 2 paving Phases in to the CPM Schedule

#### See attached CO for details

Cost Code Description		Labor	Material	Equipment	Subcontract	Other	Price	
31-2200 Paving					\$93,138.00		\$93,138.00	
01-0950 Striping					\$3,585.00		\$3,585.00	
02-4100 Demolition move i	n				\$1,000.00		\$1,000.00	
03-3000 Concrete move in					\$1,000.00		\$1,000.00	
01-0950 Temp Delineators paving/striping	specific for	\$2,894.58	931.36				\$3,825.94	
01-0950 Extended GCs (7	days @ 2936.80)					\$20,557.60	\$20,557.60	
						Subtotal:	\$123,106.54	
Reduce total by \$10k per exec and FH for reduced			COMPO	NENT 3 - BIT	\$123,106.54	2.70 %	\$3,323.88	
amount for revised total o \$121,209.66.		COMPONENT 1 SEL	F PERFOR	M MARK-UP	\$3,825.94	15.00 %	\$573.89	
\$121,209.00.		COMPON	ENT 2 - SU	IB MARK-UP	\$84,106.95	5.00 %	\$4,205.35	
						Total:	131,209.66	
					Robert Henn	essy		
							Sam Lin	
Please note that FH CON	STRUCTION will	require an extra 7 da	ys to com	plete this wor	k. 4/8/2020			
If you have any avections	nlagge contact i	ma at (200\021 2720					Assistant	Þir
If you have any questions	, piease contact i	ille at (209)931-3/38	•		DocuSigned by:		4/10/2020	
		Karen Rodgers			Robert Hen	unessu	4/ 10/ / 0/ 0	4
		Karen Kougers	1		( '	(		
Submitted by: Brendan (	Corbett	DesuGiamed hou	Apı	oroved by:	\$121,209.66		DocuSigned by:	
•	NSTRUCTION	DocuSigned by:		Date:			Can Lin	
		karen Rodge	rs				Sam Circ	
		C9CE582911BB4E0					EE1B7F4B372C43	2
		Reviewed				9	\$121,209.66	



# CR 8046 - Class 2 Contaminated Soil Off Haul P23G6 - (R075045)

Owner: County Manager's Office 1402 Maple Street Redwood City, CA 94063				: February 19, 2020 ed by: Scott Gurley
SCOPE of WORK: P23G6-FH-CR 8046	3-20200120 Class 2 (	Offhaul		Ref:
DISPOSITION:				
✓ Approved				
☐ Revise and Resubmit				
☐ Rejected				
NARRATIVE:			□ Se	ee attached documents
The PDU has reviewed Change Request 8046 Clas cost of \$26,835.03 for all labor, material, equipment				pproved at the full and final
ADJUSTMENT:				
Cost: ☐ TBD  Add ☐ Deduct	Schedule: Impact:	☐ Yes	<b>✓</b> No	☐ TBD
The Design Build Entity shall proceed per the disposition slated ab Procedures/Changed Work including but not limited to paragraph 3 exceed BOS authorized amounts or pending authorizations have n	3.04 Disputes Relating to Change O	rders. Funds ma		
Owner/County:	02/19/2020			
(signature) Scott Gurley	(date)			
(printed)		_		

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,138,662.78
Available Budget	Adjustment Pending BOS Approval
This Change Amount	\$26,835.03



### Change Request

To: Robert Hennessy

Jacobs

Number: 8046 Date: 1/2/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Class II Contaminated Soil Off Haul II

Reason: Unforeseen Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This CR is for the Class II Contaminated Soil Off Haul from 9.25-9.27.2019

See attached CO for details

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
31-2200 Haul off				\$24,916.47		\$24,916.47
					Subtotal:	\$24,916.47
		COMPO	NENT 3 - BIT	\$24,916.47	2.70 %	\$672.7
	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMF	ONENT 2 - SU	JB MARK-UP	\$24,916.47	5.00 %	\$1,245.8
					Total:	\$26,835.03

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: Date: \_\_\_\_\_

OK. Sambinghow



## CR 8047 – Soil Import P23G6 – (R075045)

Owner: County Manager's Office 1402 Maple Street Redwood City, CA 94063				: February 14, 2020 ed by: Scott Gurley
SCOPE of WORK: P23G6-FH-CR 804	7 Soil Import			Ref:
DISPOSITION:				
Approved				
☐ Revise and Resubmit				
☐ Rejected				
NARRATIVE:			□ Se	ee attached documents
The PDU has reviewed Change Request 804 \$43,628.95 for all labor, material, equipment, SMP.				
ADJUSTMENT: Cost: □ TBD  Add □ Deduct	Schedule: Impact:	□ Yes	₩No	□ TBD
The Design Build Entity shall proceed per the disposi 2600 modification Procedures/Changed Work includi not be transferred if change order amounts exceed B CoSM BOS	ng but not limited to paragraph	3.04 Dispute	s Relating	to Change Orders. Funds may
Owner/County:	02/14/2020	70		
(signature) Scott Gurley	(date)			
(printed)		<del></del> )		

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,138,662.78
Available Budget	Adjustment Pending BOS Approval
This Change Amount	\$43,628.95



### Change Request

To: Robert Hennessy

Jacobs

Number: 8047 Date: 1/2/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Soil Import - ADMP and SMP

Reason: Unforeseen Condition

We are pleased to offer the following specifications and pricing to make the following changes:

This CR is for importing clean soils due to the off haul of Class II Contaminated soil per ADMP and SMP

See attached CR for details

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
31-2200 Import Soil				\$40,509.70	P.C.	\$40,509.70
					Subtotal:	\$40,509.70
		COMPO	NENT 3 - BIT	\$40,509.70	2.70 %	\$1,093.76
	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMP	ONENT 2 - SU	IB MARK-UP	\$40,509.70	5.00 %	\$2,025.49
					Total:	\$43,628.95

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: \_ Date: \_

OK, Sant 2/14/20



## CR 8048.1 – Med Gas Relo P23G6 – (R075045)

Owner: County Manager's Office	Date: February 14, 2020 Issued by: Scott Gurley
1402 Maple Street Redwood City, CA 94063	•
SCOPE of WORK: P23G6-FH-CR 8048.1-20200213 Med Gas Relo	Ref: RFI 031
DISPOSITION:	
Approved	
☐ Revise and Resubmit	
□ Rejected	
NARRATIVE:	☐ See attached documents
The PDU has reviewed Change Request 8048.1 Med Gas Relocation received 20.02.13 final amount of \$10,792.26 for all labor, material, equipment, and incidentals whether directions of the state of the property	
ORIGINAL RESPOSNE:	
The PDU has reviewed Change Request 8048 Med Gas Relocation and this CR is Revis contractor markup on direct cost of work only. \$8,931.93 includes FMB costs that are no Mark up of 5% should only be applied to direct cost of work as described in 01 2600 2.0	t direct hard costs. The component 2 - Sub
ADJUSTMENT:	
Cost: ☐ TBD ✓Add ☐ Deduct Schedule: Impact: ☐ Ye	s 🗸 No 🗆 TBD
The Design Build Entity shall proceed per the disposition slated above and remains subject to all requirements se Procedures/Changed Work including but not limited to paragraph 3.04 Disputes Relating to Change Orders. Fund exceed BOS authorized amounts or pending authorizations have not been formally approved by CoSM BOS	
Owner/County 02/14/2020	
(signature) Scott Gurley (date)	
(printed)	

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,138,662.78
Available Budget	Adjustment Pending BOS Approval
This Change Amount	\$10,792.26

#### RE: P23G6-FH-CR 8048-20200203 Med Gas Relo

#### Brendan Corbett <bcorbett@f-hconst.com>

Thu 2/13/2020 5:48 PM

To: Scott Gurley <c\_sgurley@smcgov.org>; Daniel Hoff <dhoff@f-hconst.com>

Cc: Sam Lin <slin@smcgov.org>; Adam Ely <aely@smcgov.org>; Karen Rodgers <krodgers@smcgov.org>; Robert Hennessy <c\_rhennessy@smcgov.org>

1 attachments (4 MB)

CR 8048.1 Med Gas Relocation (FMB) REV 1.pdf;

CAUTION: This email originated from outside of San Mateo County. Unless you recognize the sender's email address and know the content is safe, do not click links, open attachments or reply.

#### Scott

Thank you for the clear review. See attached revised CO with corrected mark up

Keep the reviews coming. Lead times for material and time to do this work is running out!

Thank you

#### **Brendan Corbett**

F&H Construction

Project Manager/ Engineer

Civil EIT, LEED AP BD+C

(209) 331-6686 CELL

From: Scott Gurley <c\_sgurley@smcgov.org>
Sent: Wednesday, February 12, 2020 2:04 PM

To: Brendan Corbett <bcorbett@f-hconst.com>; Daniel Hoff <dhoff@f-hconst.com>

Cc: Sam Lin <slin@smcgov.org>; Adam Ely <aely@smcgov.org>; Karen Rodgers <krodgers@smcgov.org>; Robert Hennessy <c\_rhennessy@smcgov.org>

Subject: P23G6-FH-CR 8048-20200203 Med Gas Relo

Importance: High

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Team,

Please see the attached revise and resubmit CR 8048 Med Gas Relocation. The entitlement is not in question however the FH mark up can only be applied to sub-contractor direct costs of work.

Best,

Scott



## Change Request

To: Robert Hennessy Jacobs

8048.1 Number:

Date 2/13/20 Date:

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Med Gas Relocation

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the request to move 4 Med Gas Ports from the locations indicated on RFI #031

See attached CO for details

Cost Cod	le Description	Labor	Material	Equipment	Subcontract	Other	Price
15-0500	Med Gas				\$8,931.93		\$8,931.93
01-0950	Floor and Ceiling Protection / Damage					\$1,000.00	\$1,000.00
						Subtotal:	\$9,931.93
			COMPO	NENT 3 - BIT	\$9,931.93	2.70 %	\$268.16
		COMPONENT 1 - S	ELF PERFOR	M MARK-UP	\$1,000.00	15.00 %	\$150.00
		COMP	ONENT 2 - SU	B MARK-UP	\$8,843.49	5.00 %	\$442.17
						Total:	\$10,792.26

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: 2/14/20



# CR 8049.3 – Temp Access and Fencing Add P23G6 – (R075045)

Owner:			Date: March 2, 202	
County Manager's Off	fice		Issued by: Scott G	
1402 Maple Street Redwood City, CA 94	063			
SCOPE of WORK:	P23G6-FH-CR 8049.3 T€	emp Access and Fenci	ng Add	Ref:
DISPOSITION:				
Approved				
☐ Revise and Re	esubmit			
☐ Rejected				
NARRATIVE:			☐ See attached d	ocuments
	d Change Request 8049.3 for f \$10,927.95 for all labor, mate			
ADJUSTMENT:				
Cost: TBD V	Add □ Deduct Scł	nedule: Impact: ☐ Ye	s 🗹 No 🗆 TBD	
2600 modification Procedu not be transferred if chang CoSM BOS	nall proceed per the disposition slate ures/Changed Work including but no ne order amounts exceed BOS autho	ot limited to paragraph 3.04 Disp orized amounts or pending autho	utes Relating to Change Order	rs. Funds may
Owner/County:	554	03/02/2020		
(signature)	cott Gurley	(date)		
(printed)	,			
	Agreement No.		R075045	
	Unifier Cost Account		00 08 00	
	Current Budget Value	Pending	Board Review	

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	Pending Board Review
Total Commits/Spends	\$20,138,662.78
Available Budget	Pending Board Review
This Change Amount	10,927.9



### Change Request

To: Robert Hennessy

Jacobs

Number: 8049

Date: 2/3/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Temp Access and Fencing Add REV 3

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the additional 125 feet of fencing, PHS requested sliding date (safety at isolation kennel) and the 2 gates requested for temporary access

See attached COR for details and plans

Cost Cod	e Description	Labor	Material	Equipment	Subcontract	Other	Price
32-3100	Fences & Gates				\$6,800.00		\$6,800.00
01-0950	Demo of 290' of Fence					\$2,500.00	\$2,500.00
01-0950	Custom Gate Handle (Iso)					\$600.00	\$600.00
						Subtotal:	\$9,900.00
			COMPO	NENT 3 - BIT	\$9,900.00	2.70 %	\$267.30
		COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$3,100.00	15.00 %	\$465.00
		COMP	ONENT 2 - SU	JB MARK-UP	\$5,913.00	5.00 %	\$295.65
						Total:	\$10,927.95

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by:

Date:



Project Development Unit 1402 Maple Street Redwood City, CA 94063 www.smcgov.org

## CR 8051.2 – Cellular Add to FA P23G6 – (R075045)

Owner: County Manager's Office 1402 Maple Street Redwood City, CA 94063	Date: February 25, 2020 Issued by: Scott Gurley	
SCOPE of WORK: P23G6-FH-CR 8	051.2 Cellular Add to FA	Ref:
DISPOSITION:  ✓ Approved  ☐ Revise and Resubmit  ☐ Rejected	e e e e e e e e e e e e e e e e e e e	
NARRATIVE:		☐ See attached documents
The PDU has reviewed CR 8051.2 and addition \$3,098.64 for all labor, material, equipment, and described herein.	nal follow up correspondence and the dincidentals whether direct or indirect o	nis CR is approved for full and final amount of ect for added Cellular System for Fire Alarm as
ADJUSTMENT:  Cost: □ TBD ♥ Add □ Deduct	Schedule: Impact:	□Yes ❤️No □TBD
The Design Build Entity shall proceed per the disposition slat Procedures/Changed Work including but not limited to parage exceed BOS authorized amounts or pending authorizations from the County.	raph 3.04 Disputes Relating to Change Order nave not been formally approved by CoSM BC	s. Funds may not be transferred if change order amounts
55W	02/25/2020	
(signature) Scott Gurley	(date)	
(printed)		5075045
Agreement No.		R075045

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,138,662.78
Available Budget	Adjustment Pending BOS Approval
This Change Amount	\$3,098.64



To: Robert Hennessy Jacobs  Subject: Change Reques	it - 8051: Cellu	ular Syster	m for Fire		tal #: <b>586</b> Date: 2/18/20 Job: 10-16-5	20 466 ANIMAL SHELTER REPLACEMENT
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attache ☐ Prints ☐ Change			Under sepa Plans Specification		the following items: Samples Change Request
Document Type	Copies	Date	No	0.	Description	
Change Request			8051			m for Fire Alarm
THESE ARE TRANSMITTE  For approval  For your use		d below: Approved Approved				Resubmit copies for approval Submit copies for distribution
☐ As requested ☐ For review and comm ☐ FOR BIDS DUE	ent 🗖	Returned Other PRINTS F			LOAN TO US	Return corrected prints
Remarks:						
Сору То:						
From: Brendan Corbett (F	& H Construct	tion)		Signatu	re:	THE



## Change Request

To: Robert Hennessy Jacobs Number: 8051 Date: 2/11/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Cellular System for Fire Alarm

Reason: Unforeseen Condition

Initiated by: Brendan Corbett (F & H Construction)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is to add cellular to the fire alarm system. Both for testing and as a backup to the telecom connection

(1) GSM cellular DACT

Included is all engineering, drafting, programming, testing & certification.

ALL cell service has been excluded.

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
16-0100 Electrical				\$2,881.00		\$2,881.00
					Subtotal:	\$2,881.00
		COMPO	NENT 3 - BIT	\$2,881.00	2.70 %	\$77.79
	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMP	ONENT 2 - SU	IB MARK-UP	\$2,797.00	5.00 %	\$139.85
					Total:	\$3,098.64

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

OK. Sun G

Approved by:



Project Development Unit 1402 Maple Street Redwood City, CA 94063 www.smcgov.org

## CR 8052 – Added Mail Boxes and Desk Gates P23G6 – (R075045)

Owner: County Manager's Office 1402 Maple Street Redwood City, CA 94063		Date: February 21, 2020 Issued by: Scott Gurley
SCOPE of WORK: P23G6-FH-CR 80	052 Mail Boxes and Des	sk Gates Ref:
DISPOSITION:  ✓ Approved  ☐ Revise and Resubmit  ☐ Rejected		
		☐ See attached documents  c Gates and this CR is Approved for full and s, whether direct or indirect for Mill work added
ADJUSTMENT: Cost: ☐ TBD ❤️Add ☐ Deduct	Schedule: Impact:	□ Yes ❤️No □ TBD
2600 modification Procedures/Changed Work inclu	uding but not limited to paragraph	subject to all requirements set forth in Specification 01 3.04 Disputes Relating to Change Orders. Funds may ding authorizations have not been formally approved by
Owner/County:	02/21/2020	
(signature) Scott Gurley	(date)	
(printed)		_

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$20,138,662.78
Available Budget	Adjustment Pending BOS Approval
This Change Amount	\$4,455.32



## Change Request

To: Robert Hennessy

Jacobs

Number: 8052

Date: 2/19/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

Description: Mail Box and Desk Gate ADD

Reason: Owner Request

Initiated by: Lori Morton-Feazell (San Mateo County)

We are pleased to offer the following specifications and pricing to make the following changes:

See attached CO from River City Millwork for added Mail boxes and desk gates

Cost Code Description	Labor	Material	Equipment	Subcontract	Othe	r Price
06-2000 Casework				\$4,162.00		\$4,162.00
, e					Subtotal:	\$4,162.00
		COMPO	NENT 3 - BIT	\$4,162.00	2.70 %	\$112.37
	COMPONENT 1 - S	SELF PERFOR	M MARK-UP	\$0.00	15.00 %	\$0.00
	COMP	ONENT 2 - SU	IB MARK-UP	\$3,619.00	5.00 %	\$180.95
					Total:	\$4,455.32

If you have any questions, please contact me at (209)931-3738.

Submitted by: Brendan Corbett

F & H CONSTRUCTION

Approved by: 2/21/2/)





# CR 8053.1 – Paving and Striping Phase 2B P23G6 – (R075045)

Owner: County Manager's Of 1402 Maple Street Redwood City, CA 94			Date: April 3, 2020 Issued by: Scott Gurley			
SCOPE of WORK:	P23G6-FH-CR 8053	.1 Paving and Strip	oing Phase 2B	Ref:		
DISPOSITION:  ✓ Approved  ☐ Revise and R  ☐ Rejected	esubmit					
NARRATIVE:			□ See	e attached documents		
	CR 8053.1 Paving and Strip r, material, equipment, and i					
ADJUSTMENT: Cost: □ TBD □	Add □ Deduct	Schedule: Impact:	□ Yes □ No I	⊐ TBD		
Procedures/Changed Work in	proceed per the disposition slated ab cluding but not limited to paragraph 3 nts or pending authorizations have n	3.04 Disputes Relating to Chang	e Orders. Funds may not be trans			
Owner/County:	Docusigned by: Scott Gwly	4/8/2020				
(signature)	D149DF838EF04D7	(date)				
Scott Gurley						
(printed)						
	Agreement No.		R07504	5		
	Unifier Cost Account		00 08 0			

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$21,459,123.71
Available Budget	\$3,035,293.00
This Change Amount	\$117,308.78



To: Robert Hennessy Jacobs  Subject: Change Request	: - 8053.1: /	Asphalt Pav		tal #: 609 Date: 3/24/2020 Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT B)
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attac		<ul><li>☐ Under sep</li><li>☐ Plans</li><li>☐ Specification</li></ul>	arate cover via the following items:  ☐ Samples ons ☐ Change Request
Document Type	Copies	Date	No.	Description
Change Request	1	3/10/20	8053.1	Asphalt Paving ADD (PHASE II B)
THESE ARE TRANSMITTE  For approval  For your use  As requested  For review and comme		Approve Approve Returned	: d as submitted d as noted d for corrections	<ul> <li>□ Resubmit copies for approval</li> <li>□ Submit copies for distribution</li> <li>□ Return corrected prints</li> </ul>
☐ FOR BIDS DUE		PRINTS	RETURNED AFTER	LOAN TO US
Remarks:				
Сору То:				
From: Brendan Corbett (F	& H Constr	ruction)	Signat	ure:



California Main Office:

1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Request

**To:** Robert Hennessy

Jacobs

Number: 8053.1 Date: 3/10/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Asphalt Paving ADD (PHASE II B)

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

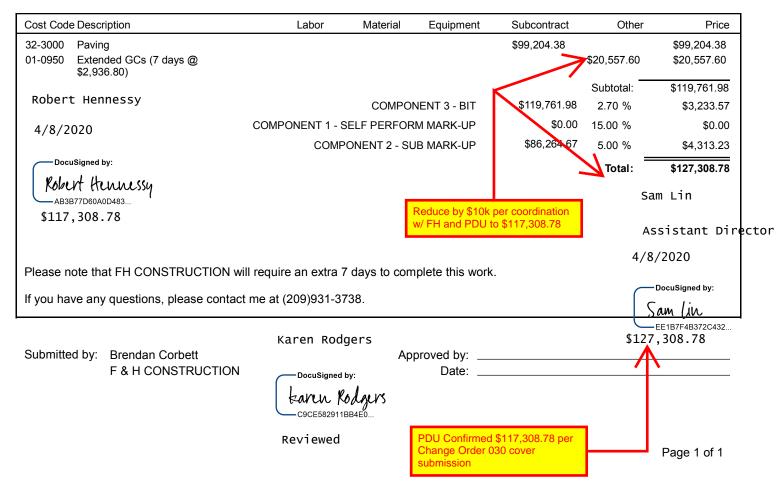
We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for adding paving of the existing parking lots and drive isles to scope of contract labeled PHASE II B on attached map. This is including Demo, paving, striping and an additional move in to do this extra work in 2 phases to have access to the new shelter while Phase II work is completed. This revised COR also includes a breakdown of the F&H self-performed work along with half of the extended GCs required to complete this extra work.

Work included but not charged:

- -Onsite design meetings for paving scope to make as economical as possible: Met 3 times with Teichert John Bridges, Josh Kelly and Chris McBride
- -Coordinating delivery of equipment, base rock and AC truck
- -PHS coordination of the shutdown parking areas
- -Add these 2 paving Phases in to the CPM Schedule

See attached CO for details







# CR 8055 – Access and Accessibility Pathways P23G6 – (R075045)

Owner: County Manager's 1402 Maple Street Redwood City, CA			Date: April 3, 2 Issued by: So	
SCOPE of WOR	<b>K</b> : P23G6-FH-CR 80	55 Access and Access	sibility Pathways	Ref:
DISPOSITION:				
Approved				
☐ Revise and	Resubmit			
☐ Rejected				
NARRATIVE:			☐ See attach	ed documents
\$47,429.97 for all lab Labor rates verified p	oor, material, equipment, and per previously approved Anii	d incidentals whether direct or mal Shelter CRs. No CDs incl	change request is approved at full r indirect for scope of work related uded herein as direction for scope mately postponed for virus issues.	to work herein.
ADJUSTMENT: Cost: □ TBD	☐ Add ☐ Deduct	Schedule: Impact:	□ Yes □ No □ TBD	
Procedures/Changed World	k including but not limited to paragra		nuirements set forth in Specification 01 2600 Orders. Funds may not be transferred if cha SM BOS	
Owner/County:	DocuSigned by:	4/3/2020		
(signature) Scott Gurley	D149DF838EF04D7	(date)	<u> </u>	
(printed)			<u> </u>	
	Agreement No.		R075045	

Agreement No.	R075045
Unifier Cost Account	00 80 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$21,459,123.71
Available Budget	\$3,035,293.00
This Change Amount	\$47,429.97



To: Robert Hennessy Jacobs  Subject: Change Request	: - 8055: Ac	cess and A		ttal #: 623  Date: 3/31/2020  Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT s
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attac		<ul><li>☐ Under sep</li><li>☐ Plans</li><li>☐ Specification</li></ul>	arate cover via the following items:  ☐ Samples ons ☑ Change Request
Document Type	Copies	Date	No.	Description
Change Request	1	3/31/20	8055	Access and Accessibility Pathways
THESE ARE TRANSMITTE  ✓ For approval  ← For your use		Approve Approve	d as submitted d as noted	☐ Resubmit copies for approval ☐ Submit copies for distribution
<ul><li>☐ As requested</li><li>☐ For review and common</li></ul>	□ ent □		d for corrections	☐ Return corrected prints
☐ FOR BIDS DUE			RETURNED AFTER	LOAN TO US
Remarks:				
Сору То:				
From: Brendan Corbett (F	& H Constr	uction)	Signat	cure:



### Change Request

To: Robert Hennessy

Jacobs

Number: 8055 Date: 3/31/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Access and Accessibility Pathways

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

Procuring material, equipment and labor for installation of Temporary access to the Phase I side of the Project. Including Paving the back access road, paving Accessible parking, installing a foot bridge to Coyote point and installing accessible path to Spay/neuter. The work detailed in this COR Occurred from 1.6.2020 - 3.4.2020, per PDU request. See attached map showing the locations of this work

This COR DOES NOT include demo of AC Paving, pathway or bridge, if requred. WAG for the demo work is \$7,500

See attached COR, T&M Tags

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950 Access Paths 09-9000 Painting & Coating	\$22,198.88	\$11,312.25	\$6,468.70	\$545.00		\$39,979.83 \$545.00
					Subtotal:	\$40,524.83
		COMPO	NENT 3 - BIT	\$39,979.83	2.70 %	\$1,079.46
	COMPONENT 1	- SELF PERFOR	RM MARK-UP	\$39,979.83	15.00 %	\$5,996.97
	COM	MPONENT 2 - SU	JB MARK-UP	\$545.00	5.00 %	\$27.25
TAX N	MARKUP DEDUCT	(15% of \$1,323.6	62 = \$198.54)	\$0.00		\$-198.54
Ro	bert Henness	y			Total:	\$47,429.97
4,	/4/2020			Sam	Lin	
	──DocuSigned by:			4/6	5/2020	
	Robert Henne	ssy		As	sistant Di	rector
	OK to Pay \$47,429.97				DocuSigned by:  AM (iN  =E1B7F4B372C432	
Please note that FH CONSTRUCTION w	ill require an extra	a 0 days to com	plete this work.		to Pay 7,429.97	
If you have any questions, please contact	t me at (209)931-	3738.				

Submitted by:	Brendan	Corbett
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F & H CONSTRUCTION

Approved by:	
Date.	
Date.	





## CR 8057 – Spoils Relocation Grading and V-Ditch P23G6 – (R075045)

Owner: County Manager's Of 1402 Maple Street Redwood City, CA 94				ate: April 4, 2020 sued by: Scott Gurley
SCOPE of WORK:	P23G6-FH-CR 8057			Ref:
DISPOSITION:				
Approved				
☐ Revise and R	esubmit			
☐ Rejected				
NARRATIVE:				See attached documents
whether direct or indirect	approves CR 8057 for full and f ct for Spoil relocation, grading ar reviously approved CRs and no	nd V-ditch clearing scope	e stated herein. La	terial, equipment, and incidentals abor rates and material costs have dination will occur onsite
ADJUSTMENT:				
Cost: 🗆 TBD 🔽	Add □ Deduct S	Schedule: Impact:	□ Yes □ N	No □ TBD
Procedures/Changed Work in	proceed per the disposition slated above a cluding but not limited to paragraph 3.04 a unts or pending authorizations have not be	Disputes Relating to Change O	rders. Funds may not b	
Owner/County:	—Docusigned by: Scott Gwley	4/4/2020		
(signature)	D149DF838EF04D7	(date)		
Scott Gurley				
(printed)				
	A gran a man a m t All a		DO:	75045
	Agreement No. Unifier Cost Account			75045 0 08 00
	Current Budget Value		\$24,494,	
	Total Commits/Spands		\$24,434,	

Available Budget

This Change Amount

\$3,035,293.00

\$43,663.62



To: Robert Hennessy Jacobs  Subject: Change Request	- 8057: Sp	oils Reloca		tal #: 625  Date: 4/1/2020  Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT  Ditch Clearing
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attac☐ Prints☐ Chan	3	☐ Under sep☐ Plans☐ Specificati	arate cover via the following items:  ☐ Samples ons ☐ Change Request
Document Type	Copies	Date	No.	Description
Change Request	1	4/1/20	8057	Spoils Relocation, Grading and V-Ditch Clearing
THESE ARE TRANSMITTE  For approval	D as check		: d as submitted	☐ Resubmit copies for approval
☐ For your use		Approve	d as noted	Submit copies for distribution
☐ As requested			d for corrections	☐ Return corrected prints
For review and comme	_	Other		LOANTOLIC
FOR BIDS DUE  Remarks:		PRINTS	RETURNED AFTER	LOAN TO US
Сору То:				
From: Brendan Corbett (F	& H Constri	uction)	Signat	ure:



## Change Request

To: Robert Hennessy

Jacobs

Number: 8057 Date: 4/1/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

Phone: 650-363-4100

**Description:** Spoils Relocation, Grading and V-Ditch Clearing

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

Labor, Material and Equipment to move spoils, and grade into architectural mounds. Also to clear the north V-Ditch of trees and debris

Work included - Tree removal, berm grading and relocating, V-Ditch clearing, tree debris haul off, hydro seed This work will eliminate the need to haul off Class 2 spoils to Ox Mountain disposal site. Assuming tree debris can be dumped at Coyote point

See attaced CO for details

Labor	Material	Equipment	Subcontract	Other	Price
\$15,501.60	\$9,742.00	\$11,853.78			\$37,097.38
				Subtotal:	\$37,097.38
	COMPO	NENT 3 - BIT	\$37,097.38	2.70 %	\$1,001.63
COMPONENT 1	SELF PERFOR	RM MARK-UP	\$37,097.38	15.00 %	\$5,564.61
COM	IPONENT 2 - S	UB MARK-UP	\$0.00	5.00 %	\$0.00
				Total:	\$43,663.62
Ка	ıren Rodger	S	Sa	am Lin	
	DocuSigned by:				Director
		0	4	/6/2020	
				DocuSigned by	r:
'	Reviewed			Sam Lin —EE1B7F4B3720	C432
				OK to Pay \$43,663.6	
	\$15,501.60  COMPONENT 1 - COM	\$15,501.60 \$9,742.00  COMPO COMPONENT 1 - SELF PERFOR  COMPONENT 2 - S  Karen Rodger  DocuSigned by:	\$15,501.60 \$9,742.00 \$11,853.78  COMPONENT 3 - BIT  COMPONENT 1 - SELF PERFORM MARK-UP  COMPONENT 2 - SUB MARK-UP  Karen Rodgers  DocuSigned by:  LAVUL Kodguts  C9CE582911BB4E0	\$15,501.60 \$9,742.00 \$11,853.78  COMPONENT 3 - BIT \$37,097.38  COMPONENT 1 - SELF PERFORM MARK-UP \$37,097.38  COMPONENT 2 - SUB MARK-UP \$0.00  Karen Rodgers \$6  DocuSigned by:  Lavu Rodgers 4	\$15,501.60 \$9,742.00 \$11,853.78  COMPONENT 3 - BIT \$37,097.38 2.70 %  COMPONENT 1 - SELF PERFORM MARK-UP \$37,097.38 15.00 %  COMPONENT 2 - SUB MARK-UP \$0.00 5.00 %  Total:  Karen Rodgers Sam Lin  Assistant 4/6/2020  Reviewed Sam Lin  Docusigned by:  Lanu Rodgers A/6/2020  OK to Pay

Submitted by:	Brendan	Corbett
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F & H CONSTRUCTION

pproved by:	
Date:	

Project Development Unit 1402 Maple Street Redwood City, CA 94063 www.smcgov.org



## CR 8058 – Asbestos DMP and SMP Enhanced Soil Measures P23G6 – (R075045)

Owner: County Manager's Of 1402 Maple Street Redwood City, CA 94				ate: April 6, 2 sued by: Sco	
SCOPE of WORK:	P23G6-FH-CR 8058 Asb	estos and Enha	anced Soil Mea	asures	Ref:
DISPOSITION:  Approved					
<ul><li>☐ Revise and R</li><li>☐ Rejected</li></ul>	esubmit				
NARRATIVE:				l See attache	ed documents
\$11,681.74 for all labor. (Soils management Pla Asbestos). All of the work confirmed against the production confirmed by 4  ADJUSTMENT:  Cost:  TBD	Add □ Deduct Sc	als to furnish and ins gation Plan) required r and above SWPPP ement has been con hedule: Impact:	stall all enhanced m d on this project due P BMP (Best Manag firmed by PDU PM	neasures require to the NOA (Na mement Practices No CD is included.	ed due to the SMP aturally Occurring s). Labor rates ded however site
Procedures/Changed Work in	proceed per the disposition slated above and cluding but not limited to paragraph 3.04 Dis <sub>i</sub> ints or pending authorizations have not been	putes Relating to Change	Orders. Funds may not b		
Owner/County:	—Docusigned by: Scott Guvley	4/6/2020			
(signature) Scott Gurley	— D140DF838EF04D7	(date)	<u> </u>		
(printed)					
	Agreement No.		R07	75045	
	Unifier Cost Account			00 80 0	
	Current Budget Value		\$24,494,	416.71	
	Total Commits/Spends		\$21,459,		
	Available Budget		\$3,035,	293.00	

\$11,681.74

This Change Amount



California Main Office:

1115 E. Lockeford St. Lodi, CA. 95240 (209) 931-3738

### Change Request

**To:** Robert Hennessy Jacobs

Number: 8058 Date: 4/3/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** Asbestos DMP and SMP Enhanced Soil Measures

Reason: Owner Request

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the enhanced measures required due to the SMP (Soils management Plan) and ADMP (Asbestos Dust Mitigation Plan) required on this project due to the NOA (Naturally Occurring Asbestos). All of the work detailed within this COR is over and above SWPPP BMP (Best Management Practices)

See attached costs and direction from Camille along with all the details and T&M sheets from 1.9.2020 - 1.23.2020

Cost Code Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950 SMP and ADMP	\$7,663.60	\$2,287.86				\$9,951.46
					Subtotal:	\$9,951.46
		COMPO	ONENT 3 - BIT	\$9,951.46	2.70 %	\$268.69
	COMPONENT	1 - SELF PERFO	RM MARK-UP	\$9,951.46	15.00 %	\$1,492.72
	C	OMPONENT 2 - S	UB MARK-UP	\$0.00	5.00 %	\$0.00
	TAX MARKUP DED	OUCT (15% of \$20	7.50 = \$31.13)	\$9,951.46		\$-31.13
Robert Hennessy		<b>-</b>			Total:	\$11,681.74
4/6/2020	Karen	Rodgers			Sam Lin	
Pobert Hunnessy	kare	signed by: W Rodgers 582911BB4E0			Assistant 4/10/2020	Director
AB3B77D60A0D483  OK to Pay \$11,681.74	Review	ed			Docusigned by:  Sam Lin  EE1B7F4B372C4  \$11,681.74	
Please note that FH CONSTRUCTION	,	s to complete thi	s work.			

Submitted	by:	Brendan	Corbett
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F & H CONSTRUCTION

Approved by:	
Date.	





## CR 8059 – ATT Conduit Extension P23G6 – (R075045)

Owner: County Manager's Off 1402 Maple Street Redwood City, CA 940					Date: Api Issued by	ril 6, 2020 y: Scott Gurley
SCOPE of WORK:	P23G6-FH-CR 80	59 ATT Condu	iit Extens	ion		Ref:
DISPOSITION:						
Approved						
☐ Revise and Re	esubmit					
☐ Rejected						
NARRATIVE:					☐ See a	ttached documents
The PDU has reviewed (labor, material, equipmed 4leaf on site point of con	nt, and incidentals to fur	nish and install the				of \$18,118.56 for all erein. Scope confirmed b
ADJUSTMENT:						
Cost: □ TBD □	Add □ Deduct	Schedule:	Impact:	☐ Yes	□ No □	TBD
The Design Build Entity shall pr Procedures/Changed Work incl exceed BOS authorized amoun	uding but not limited to paragra	ph 3.04 Disputes Relatir	ng to Change O	rders. Funds ma		
Owner/County:	- Docusigned by: Suff Gwly - D149DF838EF04D7	4/6/2020	)			
(signature)	- D 143D1 030E1 04D1	(date	<del>)</del>			
Scott Gurley						
(printed)				<del>_</del>		
	Agreement No.				R075045	

Agreement No.	R075045
Unifier Cost Account	00 08 00
Current Budget Value	\$24,494,416.71
Total Commits/Spends	\$21,459,123.71
Available Budget	\$3,035,293.00
This Change Amount	\$18,118.56



To: Robert Hennessy Jacobs  Subject: Change Request						
WE ARE SENDING YOU  ☐ Shop drawings ☐ Copy of letter	☐ Attac☐ Prints☐ Chan		<ul><li>☐ Under sept</li><li>☐ Plans</li><li>☐ Specification</li></ul>	arate cover via the following items:  ☐ Samples ons ☑ Change Request		
Document Type	Copies	Date	No.	Description		
Change Request	1	4/6/20	8059	AT&T Conduit Extension		
THESE ARE TRANSMITTE  ✓ For approval  ☐ For your use	D as check	Approve Approve	d as submitted d as noted	<ul><li>☐ Resubmit copies for approval</li><li>☐ Submit copies for distribution</li></ul>		
<ul><li>☐ As requested</li><li>☐ For review and comm</li><li>☐ FOR BIDS DUE</li></ul>	Returned for corrections Return corrected prints  Other PRINTS RETURNED AFTER LOAN TO US					
Remarks:						
Сору То:						
From: Brendan Corbett (F	& H Constr	uction)	Signat	ure:		



## Change Request

To: Robert Hennessy

Jacobs

Number: 8059 Date: 4/6/20

Job: 10-16-5466 ANIMAL SHELTER REPLACEMENT

**Phone:** 650-363-4100

**Description:** AT&T Conduit Extension

Reason: Field Condition

Initiated by: Robert Hennessy (Jacobs)

We are pleased to offer the following specifications and pricing to make the following changes:

This COR is for the Extension of AT &T Conduit from Vault (initially directed to install conduit to) to vault with service. Including

excavation, protection, conduit and backfill

See attached COR for Details

Cost Code	e Description	Labor	Material	Equipment	Subcontract	Other	Price
01-0950 16-0100	Trench Excavation and Backfill Conduit material and install	\$3,423.04	\$3,512.02	\$1,709.60	\$7,417.09		\$8,644.66 \$7,417.09
						Subtotal:	\$16,061.75
			COMPO	NENT 3 - BIT	\$16,061.75	2.70 %	\$433.67
		COMPONENT 1	- SELF PERFOR	RM MARK-UP	\$8,644.66	15.00 %	\$1,296.70
		CON	MPONENT 2 - SU	JB MARK-UP	\$7,417.09	5.00 %	\$370.85
	Т	AX MARKUP DEDUC	CT (15% of \$296	.09 = \$44.41)	\$0.00		\$-44.41
						Total:	\$18,118.56
Rob	ert Hennessy		Karen Rodg	ers			
4/	6/2020		DocuSigned	by:		Sam Lin	
	ー DocuSigned by:		Earen 1	Rodgers 1BB4E0		Assistant	Director
	Kobert Hennessy —AB3B77D60A0D483		Reviewed			4/6/2020	
	OK to pay \$18,118.56					DocuSigned b	py:
	ŕ					Sam (in EE1B7F4B372	2C432
Please n	note that FH CONSTRUCTION	will require an extra	a 0 days to com	plete this work.		OK to Pay \$18,118.5	
If you ha	ve any questions, please conta	ct me at (209)931-	3738.				

Submitted by: Brendan Corbett

F & H CONSTRUCTION



Status: Completed

Sent: 4/16/2020 12:18:43 PM

Viewed: 4/16/2020 12:20:57 PM

Signed: 4/16/2020 12:21:03 PM

**Certificate Of Completion** 

Envelope Id: 3EC9920CD43142BB8E7150A4A426A3EE

Subject: Please DocuSign: P23G6-FH-OCO30-20200416.pdf

Source Envelope:

Document Pages: 54 Signatures: 4 Envelope Originator:

Certificate Pages: 5 Initials: 0 Scott Gurley

AutoNav: Enabled 1402 Maple Street
Envelopeld Stamping: Enabled Redwood City, CA 94063-1662

Time Zone: (UTC-08:00) Pacific Time (US & Canada)

c\_sgurley@smcgov.org

IP Address: 72.208.88.41

**Record Tracking** 

Status: Original Holder: Scott Gurley Location: DocuSign

Security Appliance Status: Connected Pool: StateLocal

Storage Appliance Status: Connected Pool: Project Development Unit Location: DocuSign

Signer Events Signature Timestamp

Scott Gurley
c\_sgurley@smcgov.org

Project Manager

Docusigned by:
Suff Gurley
D149DF838EF04D7.

Project Development Unit
Security Level: Email, Account Authentication
Signature Adoption: Pre-selected Style

(None) Using IP Address: 72.208.88.41

**Electronic Record and Signature Disclosure:** 

Not Offered via DocuSign

 Robert Hennessy
 Sent: 4/16/2020 12:21:14 PM

 c\_rhennessy@smcgov.org
 Viewed: 4/16/2020 1:03:14 PM

 Sr. Project Manager
 Signed: 4/16/2020 1:03:57 PM

Project Development Unit

Signature Adoption: Pre-selected Style

Security Level: Email, Account Authentication (None)

Using IP Address: 99.9.96.145

Electronic Record and Signature Disclosure:

Accepted: 4/4/2020 6:18:14 PM ID: 58bdd141-78fb-480a-a1f4-5ad1eca74ec2

Sam Lin

Sent: 4/16/2020 1:04:02 PM

Slin@smcqov.org

Sam Lin

Viewed: 4/17/2020 9:57:36 AM

Assistant Director
Signed: 4/17/2020 9:57:53 AM
Project Development Unit

Security Level: Email, Account Authentication (None)

Signature Adoption: Pre-selected Style Using IP Address: 73.231.39.146

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Karen Rodgers

krodgers@smcgov.org

Sent: 4/17/2020 9:57:57 AM

Viewed: 4/17/2020 10:17:08 AM

C90E582911BB4ED...

Administrative and Fiscal Manager

Signed: 4/17/2020 10:17:54 AM

Project Development Unit

Security Level: Email, Account Authentication (None)

Signature Adoption: Pre-selected Style Using IP Address: 104.129.198.241

**Electronic Record and Signature Disclosure:** 

Not Offered via DocuSign

In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Brendan Corbett bcorbett@f-hconst.com Security Level: Email, Account Authentication	COPIED	Sent: 4/17/2020 10:17:58 AM
(None)  Electronic Record and Signature Disclosure:  Not Offered via DocuSign		
Daniel Hoff dhoff@f-hconst.com Security Level: Email, Account Authentication (None)	COPIED	Sent: 4/17/2020 10:17:59 AM
Electronic Record and Signature Disclosure: Not Offered via DocuSign  Karen Rodgers krodgers@smcgov.org  Administrative and Fiscal Manager	COPIED	Sent: 4/17/2020 10:18:00 AM
Project Development Unit Security Level: Email, Account Authentication (None)  Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Jennifer Orellana jorellana@smcgov.org Project Development Unit Security Level: Email, Account Authentication	COPIED	Sent: 4/17/2020 10:18:01 AM
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Witness Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps

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**Timestamps** 

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**Electronic Record and Signature Disclosure** 

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At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

#### Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

#### Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

#### All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

### **How to contact Project Development Unit:**

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: c\_dgriffiths@smcgov.org

### To advise Project Development Unit of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at c\_dgriffiths@smcgov.org and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

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### To request paper copies from Project Development Unit

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to c\_dgriffiths@smcgov.org and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

### To withdraw your consent with Project Development Unit

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;

ii. send us an email to c\_dgriffiths@smcgov.org and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

### Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <a href="https://support.docusign.com/guides/signer-guide-signing-system-requirements">https://support.docusign.com/guides/signer-guide-signing-system-requirements</a>.

### Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

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- Until or unless you notify Project Development Unit as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Project Development Unit during the course of your relationship with Project Development Unit.