### **December 9th Board Meeting**

R.a. Merritt

Senior Consultant



#### **mHc Associates**

"professional emergency services consultants"



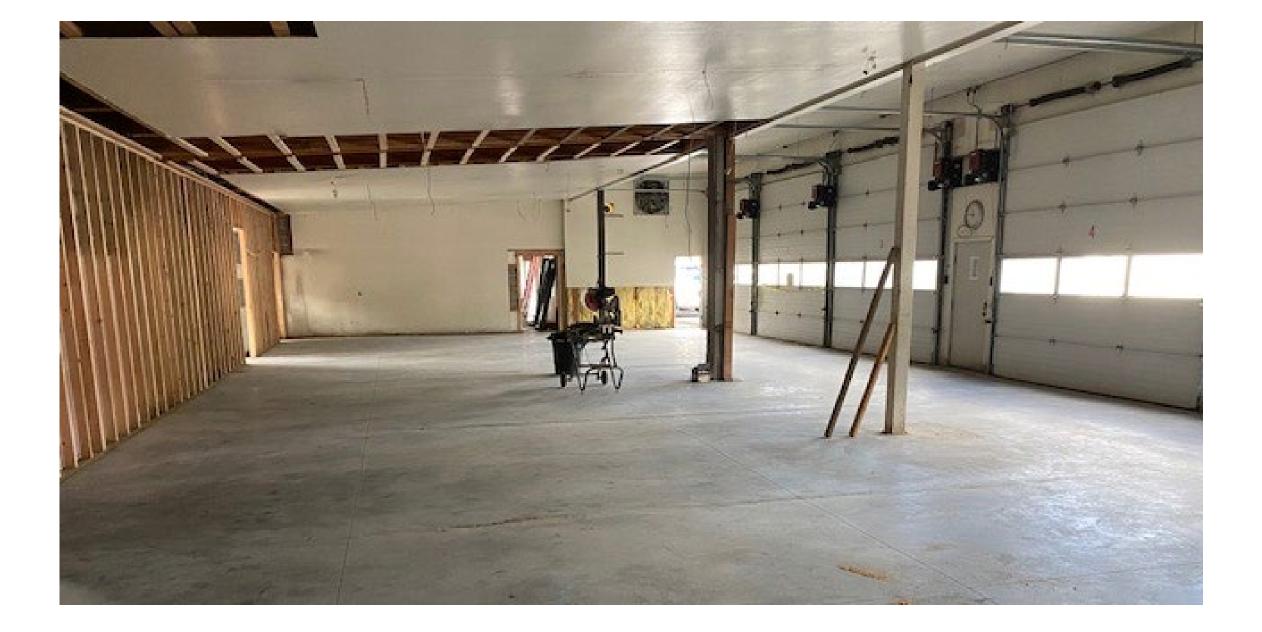
#### PROJECT REPORT

1. Sta #31 UPDATE a. Power– Gensets-Heat b. Interior c. Towers d. Site





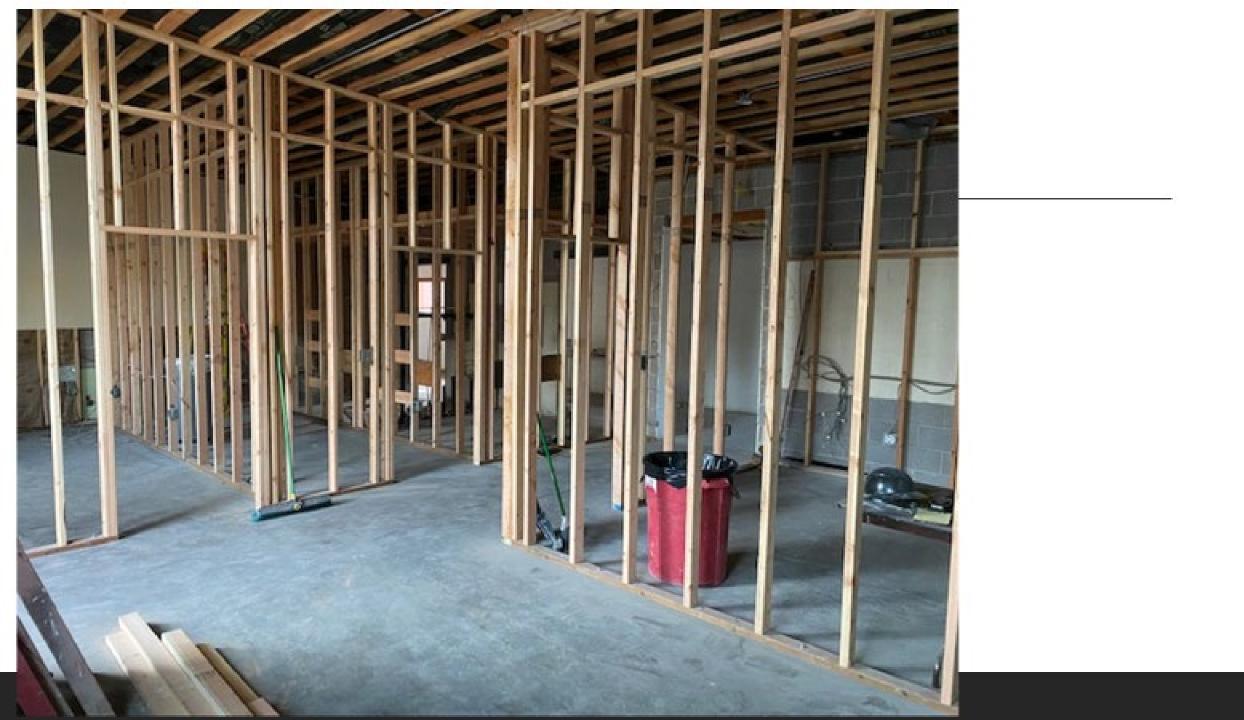






















#### MEMO

The Man		
DATE:	November 22, 2021	
TO:	Board of	
	Commissioners	
FROM:	R. Merritt	
RE:	FOLLOW-UP:	
	Rain Garden Protocol	

Per our earlier conversation and presentation, Chief Long and I have developed an immediate and long-term "Monitoring & Mitigation Plan" for the infamous Station #31 RAIN GARDEN.

#### FACTS:

- 1. Station #31 RAIN GARDEN is just ONE ELEMENT of the designed and permitted KCFD#3 Station #31 Stormwater control plan
- 2. Station #31 RAIN GARDEN [due to influent line elevation] was designed to be 13 times larger in size and capacity than required for a 100 YEAR STORM EVENT

#### MONITORING

- 1. Station #31 Staff and Members will regularly monitor the stormwater storage depth, flow, and general Rain Garden structural condition on a periodic basis with the frequency thereof increased during storm events
- 2. Incremental "watch points" will be installed to monitor storage capacity and monitor percolation rates as the water is dissipated into the ground
- 3. During "heavy events" daily monitoring will continue with photographic and linear measurements recorded to develop a historical proficiency model and record of the Garden

#### MITIGATION

 In heavy storm events where accumulations of storm water impinge on established guide markers, the following steps will be employed to ensure control and mitigation of stormwater flow to prevent overflow and erosion:

Level 1	Increase monitoring frequency			
Level 2	Employ KCFD#3 TRASH PUMP—pump water to West swale			
Level 3	vel 3 Employ KCFD#3 Fire Apparatus—[draft] transfer stormwater to West swale			
Level 4	Employ excavation of emergency swale; tie into West stormwater control			

[TYPE THE SENDER COMPAN [Type the sender e-mail address]



#### PROJECT REPORT

**1.** Station #32 UPDATE a. Power b. Roof c. Heat d. Interior e. Storm water

## Station #32



### PROJECT REPORT

# Change Orders Station #31 Bid Alternates

	Klickitat Co	unty	Fire District #3						
Fire Stat	ion #31-#32 C	<mark>onst</mark>	RUCTION CHANGE ORDER		C.C	). NL	MBER:	211-2	213
				ואו	TIATION D	ATE:			j
				coi	NTRACT FO	OR:	KCFD#3 S	ta 31-32	]
				coi	NTRACT D	ATE:		3/1/2021	
CONTRAC				ARC	CHITECT:				
	TRUCTION NW				JDA Arcl				
P.O. Box 18 Hood River	45 , Oregon 97031			1219 Columbia Hood River, O					
nooa kiver,	, Oregon 97031				HOOD KI	ver, O	K 97031		
	act is changed as f		:			STA			DAYS
	dd rebar to exterior slal dd keypad to door 105					Sta 31 Sta 32		454.22 710.88	
	dd keypad to door 105 dd cord drops	-1				Sta 32 Sta 32		710.88 329.64	0
						Sta 32			ŏ
						Sta 32			0
						Sta 32 Sta 32			0
						Sta 32 Sta 32			0
						Sta 32			Ō
						Sta 32			0
					TOTAL	ļ		494.74	1.5
				_			TOTAL Add	ed Days	17.5
COP not v	valid until signed t	oy the	Owner and Architect.						
Origi	nal Contract Sum						\$	1,672,	972.59
Cont	ract Sum Prior to thi	ic Chan	re Order				Ś	1 010	,247.17
	ge to Contract Sum		creased Decreased DUnc	hang	ed		\$		.247.17 194.74
enan								0,1	
	Nev	v Con	tract Sum, including this Ch	ange	Order:		\$	1,816,	741.91
The contrac	ct time will be 🔲	ncreas	ed 🛛 🗖 Decreased 🗖 Uncha	nged	1.5	Days			
The dat	te of Substantial Co	mpletic	n as of the Date of this Change Or	der is	: February	/ 6th,	2022		
				_					
ARCHIT			OWNER		CONT				
	IDA Architects Klickitat County Fire District #3 231 Columbia Street 200 Husum Street		_	HALE CONSTRUCTION NW P.O. Box 1845					
1231 Columbi Hood River. (			200 Husum Street P.O. Box 151				regon 970	21	
ioou kiver, v	0K 27031		Husum, WA 98963		rioou ki	ver, O	regon 970		
		By:			By:				
By:									1
By:	12/1/2021		12/1/202	_	Date:		12/1/2021		

#### \$143,378.55 17.5 Days



### **Bid Alternates**

