

X.7.1 Change Order Request #1

Description of Work

Design Bulletin revised the overall Sanitary Sewer routing onsite. Invert elevations were revised and a sewage lift station was added. Costs for this change include a completely new sewer system install along with the lift station and associated install. This COR also includes costs to backfill the trenches that had commenced per the original design.

Cost Breakdown

Material:

•	Manhole boxes -	\$ 13,500
•	SS Pipes -	\$ 5,000
•	Trench Plates -	\$ 500
•	Trench Shoring Rental -	\$ 22,000
•	Sewer Lift Station -	\$ 69,100
•	Dewatering Baker Tank -	\$ 25,000
•	Sand & AB (includes transport) -	\$ 35,000
•	Lift Station -	\$ 69,000
•	Material Total -	\$ 239,100

Equipment

•	6" Dewatering Pump -		\$ 1,200
•	Cat 938F Loader -	120HRS	\$ 12,960
•	Water Truck -	60HRS	\$ 2,400
•	Excavator (60K lb) -	60HRS	\$ 8,220
•	Excavator (78K lb) -	130HRS	\$ 23,010
•	Backhoe -	88HRS	\$ 5,720
•	Crane (Manitowoc 2250 300 Ton) -	20HRS	\$ 12,000
•	Boom Truck (14 ton) -	32HRS	\$ 1,000
•	Pickup Truck(s) -	400HRS	\$ 12,41 <u>6</u>
•	Equipment Total -		\$ 78,926

Labor (MH=Man Hours)

•	Dewatering (Laborer) -	80 MH	\$ 4,800
•	Load/Unload Equipment (Laborer) -	10MH	\$ 600
•	Excavate/Install SS Pipe		
	Laborer(s) -	650MH	\$ 48,750
	 Labor Foreman - 	200MH	\$ 14,000
	Operator(s) -	320MH	\$ 28,800
	 Operator Foreman 	230MH	\$ 24,150
•	Labor Total -		\$ 121,100

Lift Station Electrical (Zap Electric)

See attached proposal - \$27,26





Project Management (Labor)

•	Project Manager -	200MH	\$ 14,000
•	Project Engineer -	200MH	\$ 15,000
•	Project Management Labor Total -		\$ 29,000
SUBT	\$ 468,126		
Lift Station Electrical (See attached Zapp Proposal) -			\$ 27,265
SUBT	OTAL -		\$ 495,391
<u>Overh</u>	ead & Profit -		\$ 99,078
SUBT	OTAL -		\$ 594,469
Bonds	s & Insurance -		\$ 11,889
TOTAL	L -		\$ 606,358

PROJECT SOLANO VITC

7 FOR L.U.D.1.

ZAPP Electric Change Order # 1 (To C.U.D.1)

* FURNISH & INISTALL ELECTRICAL FOR ADDED S.S. LIFT STATION PER BULLETIN #1

LABOR

JOURNEYMAN @ \$ 82/HR x 150 HRS = \$ 12,300 FOREMAN @ # 90/HR X 30 HRS = # 2,700 PM @ # 95/HR x 4 HRS = # 380 # 15,380

MTRL

1.5" PUC CONDUIT

2" PUC CONDUIT

WIRE

= \$ 2,200

= \$ 1,550

= # 2,350

#7,200

EXCLUSIONS:

- · PERMIT
- · FURNISH LIFT STATION
- · TESTING/INSPECTIONS
- · TRENCHING (BY CUDI)

SUBTOTAL \$ 22,580

MARKUP \$ 3,387 SUBTOTAL \$ 25,967

BONDS : INS # 1, 298

TOTAL COR \$ 27, 265