

Quist Engineering, Inc.

Civil Engineering for Residential & Commercial Site Development

821 Columbus At.
Lee's Summit, Missouri 64063
Phone: (816)550-5675

August 21, 2019

Email: rwalquist@quistengineering.com

Re: I-470 Business and Technology Center Lot 13
2701 NE Independence Ave
Revised cost estimate

Public Works Improvements	Quantity	Unit	Unit Cost	Total Cost
<u>WATER</u>				
6" WATER MAIN	0	L.F.	\$45.00	\$0
FIRE HYDRANT	1	EACH	\$4,600.00	\$4,600
			Subtotal	\$4,600

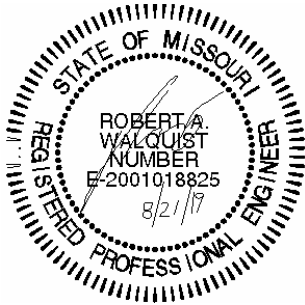
Site Improvements	Quantity	Unit	Unit Cost	Total Cost
<u>STREETS AND GRADING</u>				
LIGHT PAVEMENT	16,487	S.F.	\$4.20	\$69,245
HEAVEY PAVEMENT	36,645	S.F.	\$4.80	\$175,896
CURB & GUTTER	2,247	LF	\$13.00	\$29,211
CLEARING & GRUBBING	1	L.S.	\$5,000.00	\$5,000
ROUGH GRADING	19,097	CY	\$4.50	\$85,937
FINAL GRADING	3,100	CY	\$3.00	\$9,300
SEEDING & MULCHING	1	AC	\$1,500.00	\$2,100
FINISH GRADE & SEEDING	2,500	SY	\$2.00	\$5,000
SIDEWALKS	3,549	S.F.	\$3.50	\$12,422
CONDUIT	80	L.F..	\$12.00	\$960
			Subtotal	\$395,070
<u>EROSION CONTROL</u>				
SILT FENCE INSTALLATION	867	L.F.	\$3.00	\$2,601
CONSTRUCTION ENTRANCE	1	L.S.	\$1,500.00	\$1,500
INLET PROTECTION	1	L.S.	\$3,500.00	\$3,500
			Subtotal	\$7,601
<u>STORM</u>				
NYOPLAST INLET	12	EACH	\$1,100.00	\$13,200
TIE TO EXISTING INLET	3	EACH	\$950.00	\$2,850
JUNCTION BOX	1	EACH	\$2,800.00	\$2,800
MODIFY EXISTING INLET	2	EACH	\$2,200.00	\$4,400
8" STORM SEWER PIPE	122	L.F.	\$12.00	\$1,464
12" STORM SEWER PIPE	622	L.F.	\$21.00	\$13,062
15" STORM SEWER PIPE	96	L.F.	\$28.00	\$2,688
15" STORM SEWER PIPE	72	L.F.	\$31.00	\$2,232
24" STORM SEWER PIPE	163	L.F.	\$36.00	\$5,868
TIE TO DOWN SPOUT	8	EACH	\$450.00	\$3,600
			Subtotal	\$52,164
<u>SANITARY</u>				
LATERALS 6" PVC	33	L.F.	\$20.00	\$660
8"X6" WYE	1	EACH	\$30.00	\$30
			Subtotal	\$690

WATER				
FIRE LINE	40	L.F.	\$37.00	\$1,480
3/4" SEVICE LINE	60	L.F.	\$10.00	\$600
IRRIGATION BOX	1	EACH	\$850.00	\$850
TAPPING MAIN FIRE LINE	1	EACH	\$2,200.00	\$2,200
TAPPING MAIN SERVICE LINE	3	EACH	\$200.00	\$600
			Subtotal	\$5,730

MISCELLANEOUS				
BEAUTIFICATION (LAND SCAPING)	1	LS	\$31,000.00	\$31,000
				\$31,000
			TOTAL	\$496,855

If you have any questions please call me at (816) 550-5675 or e-mail me at rwalquist@quistengineering.com

Sincerely,
Quist Engineering Inc.



Robert Walquist, P.E.
 Project Engineer