

PRELIMINARY ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS FOR

Joliet Junior College Greenhouse - Preliminary Utility Extension

Prepared by: Ruettiger, Tonelli & Associates, Inc.

RTA Project No. 20081062.00

August 5, 2008

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
A. WATERMAIN				
1. Connect to existing (tap)	LS	1	\$2,000.00	\$2,000.00
2. Watermain loop - 8" Ductile Iron	LF	1,592	\$30.00	\$47,760.00
3. 8" valves	EA	3	\$1,600.00	\$4,800.00
4. Fire hydrant	EA	1	\$1,600.00	\$1,600.00
			Subtotal	\$56,160.00
			30% Contingency	\$16,848.00
			Total	\$73,008.00

B. SANITARY SEWER EXTENSION TO WEST				
1. 8" PVC	LF	2,659	\$40.00	\$106,360.00
2. Manhole	EA	7	\$2,500.00	\$17,500.00
3. 6" service	LS	1	\$2,000.00	\$2,000.00
4. Connect to existing	LS	1	\$1,000.00	\$1,000.00
			Subtotal	\$126,860.00
			30% Contingency	\$38,058.00
			Total	\$164,918.00

C. SANITARY SEWER EXTENSION TO NORTH (GRAVITY)				
1. 10" PVC	LF	2,250	\$48.00	\$108,000.00
2. Manhole	EA	6	\$2,500.00	\$15,000.00
3. 6" service	LS	1	\$2,000.00	\$2,000.00
4. Connect to existing	LS	1	\$1,000.00	\$1,000.00
			Subtotal	\$126,000.00
			30% Contingency	\$37,800.00
			Total	\$163,800.00

D. SANITARY SEWER TO NORTH (FORCEMAIN)				
1. 4" Forcemain	LF	1,169	\$30.00	\$35,070.00
2. Manhole	EA	3	\$2,500.00	\$7,500.00
3. Lift Station	LS	1	\$150,000.00	\$150,000.00
4. Connect to existing	LS	1	\$1,000.00	\$1,000.00
			Subtotal	\$193,570.00
			30% Contingency	\$58,071.00
			Total	\$251,641.00