



ENGINEER'S OPINION OF PROBABLE COST

Project: Bicknell Park RW Booster Pump Station
Client: City of Montebello
Location: Bicknell Park, City of Montebello Golf Course
Zip Code: 92345

Date : Sep 16, 2016
By : C. Gauthier
Reviewed: G. Estrada

BID ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	SUBTOTAL (rounded)	TOTAL
Bid Item 1 - Mobilization and Demobilization							
1.1	Mobilization / Demobilization (5% of Total excl Item 1)	1.00	LS	\$33,800.00	\$33,800.00		
Bid Item 1 - Mobilization and Demobilization TOTAL						\$33,800	
Bid Item 2 - Traffic Control							
2.1	Traffic Control	1.00	LS	\$51,200.00	\$51,200.00		
Bid Item 2 - Traffic Control TOTAL						\$51,200	
Bid Item 3 - Packaged Booster Pump Station							
3.1	Booster Pump Station Package	1.00	LS	\$128,800.00	\$128,800.00		
3.2	Booster Pump Station Installation	1.00	LS	\$32,200.00	\$32,200.00		
3.3	Coating	1.00	LS	\$11,000.00	\$11,000.00		
Bid Item 3 - Packaged Booster Pump Station TOTAL						\$172,000	
Bid Item 4 - Demolition of Sidewalk, Curb, and Gutter, and Site Clearing							
4.1	Site Demolition, exterior fencing, small quantity	14.00	LF	\$14.00	\$196.00		
4.2	Site Demolition, curb and gutter	26.00	LF	\$19.00	\$494.00		
4.3	Site Demolition, sidewalk	1.04	CY	\$579.00	\$600.44		
4.4	Disposal, 5 mile haul	10.66	CY	\$43.00	\$458.25		
4.5	Dump charges, tipping fees, building materials	0.80	TON	\$308.00	\$244.95		
4.6	Site clearing	700.00	SF	\$3.00	\$2,100.00		
Bid Item 4 - Demolition of Sidewalk, Curb, and Gutter, and Site Clearing TOTAL						\$4,100	
Bid Item 5 - Uderground Piping							
5.1	Yard Piping - RW Feed to BPS - 12" DIP CL250 PIPE	104.00	LF	\$99.00	\$10,296.00		
5.2	Yard Piping - RW Feed to BPS - 12" DIP 90EL	9.00	EA	\$1,830.00	\$16,470.00		
5.3	Yard Piping - RW Feed to BPS - 12" DIP TEE	3.00	EA	\$2,450.00	\$7,350.00		
5.4	Yard Piping - RW Feed to BPS - 12" DIP BFV	1.00	EA	\$4,660.00	\$4,660.00		
5.5	Yard Piping - RW Feed to BPS - 12" DIP GV	2.00	EA	\$8,340.00	\$16,680.00		
5.6	Yard Piping - RW Feed to BPS - 12" Backflow	1.00	EA	\$26,000.00	\$26,000.00		
5.7	Yard Piping - RW Feed to BPS - 12x10 DIP RED	1.00	EA	\$2,350.00	\$2,350.00		
5.8	Yard Piping - RW Feed to BPS - 12x8 DIP RED	3.00	EA	\$2,170.00	\$6,510.00		
5.9	Yard Piping - RW Feed to BPS - 10x8 DIP RED	1.00	EA	\$1,700.00	\$1,700.00		
5.10	Yard Piping - RW Feed to BPS - 8" DIP CL250 PIPE	8.00	LF	\$70.00	\$560.00		
5.11	Yard Piping - RW BPS to Irr - 8" PVC C900 PIPE	64.00	LF	\$48.00	\$3,072.00		
5.12	Yard Piping - RW BPS to Irr - 10x8 DIP RED	1.00	EA	\$1,700.00	\$1,700.00		
5.13	Yard Piping - RW BPS to Irr - 10" DIP GV	1.00	EA	\$6,660.00	\$6,660.00		
5.14	Yard Piping - RW BPS to Irr - 10" DIP TEE	1.00	EA	\$1,640.00	\$1,640.00		
5.15	Trenching	168.00	LF	\$57.00	\$9,576.00		
5.16	Backfill	248.89	CY	\$8.00	\$1,991.11		
Bid Item 5 - Uderground Piping TOTAL						\$117,200	
Bid Item 6 - Aboveground Piping							
6.1	BPS - 8" DI BFV	3.00	EA	\$2,470.00	\$7,410.00		
6.2	BPS - 8" DI CV	1.00	EA	\$3,680.00	\$3,680.00		
6.3	BPS - 8" DI 90EL	4.00	EA	\$1,390.00	\$5,560.00		
6.4	BPS - 8" DI TEE	1.00	EA	\$1,140.00	\$1,140.00		
6.5	BPS - 8" Pipe Support	6.00	EA	\$610.00	\$3,660.00		
6.6	BPS - 8" Victaulic Coupling	2.00	EA	\$940.00	\$1,880.00		
6.7	BPS - 8" DIP CL250 PIPE	70.00	LF	\$70.00	\$4,900.00		
Bid Item 6 - Aboveground Piping TOTAL						\$28,200	

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BY: *JE/AZ/RC#1*



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BID ITEM	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	SUBTOTAL (rounded)	TOTAL
Bid Item 7 - Fencing							
7.1	Chainlink Fencing, 10-ft height, slatting	70.00	LF	\$74.00	\$5,180.00		
7.2	Chainlink Gate, 10-ft x 15-ft	1.00	LS	\$1,800.00	\$1,800.00		
Bid Item 7 - Fencing TOTAL						\$7,000	
Bid Item 8 - Construct Concrete Curb, Gutter, Sidewalk, and Driveway							
8.1	Driveway - Curb and Gutter Transition	26.00	LF	\$51.00	\$1,326.00		
8.2	Driveway - Curb Entry	30.00	LF	\$34.00	\$1,020.00		
8.3	Driveway - Slab on grade, light	13.58	CY	\$950.00	\$12,901.00		
Bid Item 8 - Construct Concrete Curb, Gutter, Sidewalk, and Driveway TOTAL						\$15,200	
Bid Item 9 - Install Concrete Equipment Pad							
9.1	BPS Foundation, slab on grade, heavy	9.26	CY	\$1,390.00	\$12,871.40		
Bid Item 9 - Install Concrete Equipment Pad TOTAL						\$12,900	
Bid Item 10 - Underground Structures							
10.1	Flow Meter Vault, precast	1.00	LS	\$6,100.00	\$6,100.00		
Bid Item 10 - Underground Structures TOTAL						\$6,100	
Bid Item 11 - Landscaping and Re-Vegetation							
11.1	Finish Grading - Allowance	1.00	LS	\$2,190.00	\$2,190.00		
Bid Item 11 - Landscaping and Re-Vegetation TOTAL						\$2,200	
Bid Item 12 - Electrical							
12.1	Lightpole Foundation, buried, heavy	0.76	CY	\$1,180.00	\$896.80		
12.2	Electrical Caution Tape, 1000'	1.00	EA	\$220.00	\$220.00		
12.3	Ground Rod and Ground Well Box	4.00	EA	\$370.00	\$1,480.00		
12.4	4/0 Ground Conductor	100.00	LF	\$9.00	\$900.00		
12.5	#4 Ground Conductor	50.00	LF	\$1.00	\$50.00		
12.6	#2 Conductor	600.00	LF	\$4.00	\$2,400.00		
12.7	#8 Conductor	200.00	LF	\$2.00	\$400.00		
12.8	#10 Conductor	150.00	LF	\$1.00	\$150.00		
12.9	#12 Conductor	100.00	LF	\$1.00	\$100.00		
12.10	#14 Conductor	100.00	LF	\$1.00	\$100.00		
12.11	TSP	120.00	LF	\$2.00	\$240.00		
12.12	5" Sch 80 PVC Conduit	70.00	LF	\$44.00	\$3,080.00		
12.13	1 1/2" Sch 40 PVC Conduit	380.00	LF	\$14.00	\$5,320.00		
12.14	1" Sch 40 PVC Conduit	150.00	LF	\$11.00	\$1,650.00		
12.15	Pull Rope, 1000'	1.00	EA	\$290.00	\$290.00		
12.16	Excavation - Conduit/Ductbank Trench	330.00	LF	\$3.00	\$990.00		
12.17	Pavement Restoration - SCE Conduit Trench	14.00	SY	\$290.00	\$4,060.00		
12.18	Golf Course Restoration	1.00	LS	\$3,700.00	\$3,700.00		
12.19	Finish Grade - Allowance	1.00	LS	\$2,200.00	\$2,200.00		
12.20	Outdoor Light Fixture	1.00	EA	\$2,900.00	\$2,900.00		
12.21	Precast Concrete Metering Pad	1.00	EA	\$1,500.00	\$1,500.00		
12.22	Bollards	4.00	EA	\$730.00	\$2,920.00		
Bid Item 12 - Electrical TOTAL						\$35,500	
Bid Item 13 - TESCO							
13.1	PLC Programming	1.00	LS	\$21,900.00	\$21,900.00		
13.2	Motor Control Center	1.00	LS	\$132,400.00	\$132,400.00		
Bid Item 13 - TESCO TOTAL						\$154,300	
Bid Item 14 - Instrumentation							
14.1	8" Water Meter (CBMWD Standard)	1.00	EA	\$4,100.00	\$4,100.00		
Bid Item 14 - Instrumentation TOTAL						\$4,100	



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15.1	Bid Item 15 - Start-Up, Testing, and Commissioning Start-Up, Testing, Commissioning	1.00	LS	\$51,200.00	\$51,200.00		
	Bid Item 15 - Start-Up, Testing, and Commissioning TOTAL					\$51,200	
16.1	Bid Item 16 - Project Close-Out Project Close-Out	1.00	LS	\$14,600.00	\$14,600.00		
	Bid Item 16 - Project Close-Out TOTAL					\$14,600	
17.1	Bid Item 17 - Overall Project -	0.00	-	\$0.00	\$0.00		
	Bid Item 17 - Overall Project TOTAL					\$0	
						TOTAL	\$709,600