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**ENGINEERS PUBLIC IMPROVEMENT COST ESTIMATE
 TRAILS AT CROWFOOT FILING 9
 12/5/2017**

EARTHWORK

No.	Description	Quantity	Unit	UNIT COST	Total Cost
	OVERLOT GRADING	535,000	C.Y.	\$3.00	\$1,605,000.00
	IMPORT/EXPORT	0	C.Y.	\$6.00	\$0.00
	TOP SOIL	65,140	C.Y.	\$1.75	\$113,995.00
Total Cost					\$1,718,995.00

ROADWAY

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	6" VERTICAL CURB & GUTTER (2' PAN)	11,680	L.F.	\$22.00	\$256,960.00
	6" VERTICAL CURB & GUTTER (1' PAN)	6,142	L.F.	\$22.00	\$135,124.00
	4" MOUNTABLE CURB & GUTTER	4,396	L.F.	\$24.00	\$105,504.00
	HOT MIX ASPHALT PAVEMENT (5' DEPTH)	32,292	S.Y.	\$23.50	\$758,856.78
	CONCRETE PAVEMENT	0	S.Y.	\$90.00	\$0.00
	AGGRIGATE BASE COURSE	6,213	C.Y.	\$40.50	\$251,627.25
	SUBGRADE STABILIZATION	37,278	S.Y.	\$2.10	\$78,284.03
	ROADWAY SUBGRADE PREP (EXTEND 2' OUTSIDE CURB)	37,278	S.Y.	\$1.25	\$46,597.64
	5' DETACHED CONCRETE SIDEWALK	16,076	L.F.	\$27.00	\$434,052.00
	SIDEWALK SUBGRADE PREP (MIN 1' OUTSIDE LIMITS)	12,504	S.Y.	\$1.25	\$15,629.44
	CORNER CURB RAMP (INCLUDES SUBGRADE PREP)	47	EA.	\$2,200.00	\$103,400.00
	MIDBLOCK CURB RAMP (INCLUDES SUBGRADE PREP)	7	EA.	\$2,200.00	\$15,400.00
	CROSS PAN (INCLUDES SUBGRADE PREP)	200	S.Y.	\$103.50	\$20,700.00
	TRENCH DRAIN	5,542	L.F.	\$19.00	\$105,298.00
	MEDIAN COVER	1,363	S.Y.	\$90.00	\$122,670.00
	ADJUST MANHOLE	51	EA.	\$760.00	\$38,760.00
	ADJUST WATER VALVE	44	EA.	\$425.00	\$18,700.00
Total Cost					\$2,507,563.14

CONCRETE TRAILS

No.	Description	Quantity	Unit	Cost/Unit	Total Cost
	10' REGIONAL TRAIL	3,211	L.F.	\$45.00	\$144,495.00
	SIDEWALK SUBGRADE PREP (MIN 1' OUTSIDE LIMITS)	4,281	S.Y.	\$9.80	\$41,957.07
Total Cost					\$186,452.07

STRIPING

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	LONG LINE EPOXY PVMT. MARKING	57	GAL	\$105.00	\$5,950.00
	CROSSWALK BAR	3,640	S.F.	\$8.00	\$29,120.00
	STOP BAR	0	S.F.	\$0.93	\$0.00
	ARROW	8	EA.	\$120.00	\$960.00
Total Cost					\$36,030.00

SIGNAGE (INCLUDE POST AND ANCHOR)

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	STREET NAME SIGN	8	EA.	\$530.00	\$4,240.00
	GROUND SIGN	0	EA.	\$280.00	\$0.00
	TYPE III BARRICADE	1	EA.	\$2,500.00	\$2,500.00
	SPECIAL SIGN	4	EA.	\$280.00	\$1,120.00
Total Cost					\$7,860.00

DRAINAGE AND STORMWATER IMPROVEMENTS

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	18" RCP	1,802	L.F.	\$64.00	\$115,328.00
	24" RCP	2,215	L.F.	\$83.00	\$183,845.00
	30" RCP	88	L.F.	\$100.00	\$8,800.00
	36" RCP	2,722	L.F.	\$136.00	\$370,192.00
	48" RCP	72	L.F.	\$200.00	\$14,400.00
	24" FES WITH CONCRETE CUTOFF WALL	0	EA.	\$2,400.00	\$0.00
	36" FES WITH CONCRETE CUTOFF WALL	2	EA.	\$3,000.00	\$6,000.00
	48" FES WITH CONCRETE CUTOFF WALL	2	EA.	\$3,400.00	\$6,800.00
	4' MANHOLE	29	EA.	\$2,500.00	\$72,500.00
	5' MANHOLE	24	EA.	\$3,070.00	\$73,680.00
	5' TYPE R INLET	0	EA.	\$9,000.00	\$0.00
	10' TYPE R INLET (SPECIFIC ON 10" INCREMENT)	13	EA.	\$10,700.00	\$139,100.00
	15' TYPE R INLET	12	EA.	\$11,000.00	\$132,000.00
	OUTLET STRUCTURE WITH MICROPOOL (POND C)	1	L.S.	\$75,000.00	\$75,000.00
	TRICKLE CHANNEL (4' STANDARD WIDTH WITH 6" VERICAL CURBS)	693	L.F.	\$130.00	\$90,090.00
	FOREBAY	2	EA.	\$34,000.00	\$68,000.00
	ACCESS PATH	1	L.S.	\$11,400.00	\$11,400.00
	RIPRAP	110	C.Y.	\$150.00	\$16,500.00

Total Cost **\$1,383,635.00**

PUBLIC IMPROVEMENTS (TOWN) SUBTOTAL \$5,840,535.21

CONSTRUCTION CONTINGENCY (10%) \$584,053.52

MOBILIZATION (5%) \$292,026.76

SURVEYING (3%) \$175,216.06

CONSTRUCTION MANAGEMENT & TESTING (12%) \$700,864.23

PUBLIC IMPROVEMENT TOTAL \$7,592,695.77

SECURITY AT 110% = \$8,351,965.35