

Randall Jones & Associates Engineering, Inc.

2900 JAZZ STREET, ROUND ROCK, TX 78664

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TBPE Reg Number: F-9784

AUTHORIZED IMPROVEMENTS COST

MARTIN 40 ACRE TRACT

RJE Job # 2849

1-Apr-20

JKC

STREETS		\$ 1,586,610.08
DRAINAGE		\$ 1,568,267.65
WASTEWATER		\$ 755,347.18
OFFSITE WW/LS		\$ 261,261.00
EROSION CONTROLS		\$ 163,345.05
Engineering and Testing	15%	\$ 650,224.64
Park Improvements		\$ 97,595.00
PID Creation		\$ 100,000.00

GRAND TOTAL AUTHORIZED IMPROVEMENTS:

\$ 5,182,650.60

	STREETS	QUANTITY	UNIT	UNIT COST	TOTAL
	SUBGRADE PREPARATION	28,695	SY	\$ 3.25	\$ 93,257.67
	9" CRUSHED LIMESTONE BASE	20,313	SY	\$ 11.50	\$ 233,599.50
	14" CRUSHED LIMESTONE BASE	8,382	SY	\$ 13.50	\$ 113,152.50
	8" LIME STABILIZED SUBGRADE	28,695	SY	\$ 10.50	\$ 301,294.00
	CURB & GUTTER	13,092	LF	\$ 15.00	\$ 196,380.00
	2" HMAC	21,421	SY	\$ 13.00	\$ 278,477.33
	SAW-CUT and TIE TO EXISTING PVMT	2	EA	\$ 3,000.00	\$ 6,000.00
	TRAFFIC CONTROL	1	LS	\$ 7,500.00	\$ 7,500.00
	TYPE II DRIVEWAY	1	EA	\$ 2,500.00	\$ 2,500.00
	BLUE RAISED REFLECTORS	13	EA	\$ 200.00	\$ 2,600.00
	STOP SIGNS W/ STOP BAR and STREET NAME	11	EA	\$ 1,200.00	\$ 13,200.00
	STREET NAME SIGNS	4	EA	\$ 900.00	\$ 3,600.00
	STREET END BARRIERS	2	EA	\$ 1,000.00	\$ 2,000.00
	REMOVE STREET END BARRIERS	1	EA	\$ 750.00	\$ 750.00
	STAKING	13,092	LF	\$ 1.15	\$ 15,055.80
	4' SIDEWALK	461	LF	\$ 18.00	\$ 8,298.00
	6' SIDEWALK	2,129	LF	\$ 27.00	\$ 57,483.00
	CURB RAMPS	38	EA	\$ 1,900.00	\$ 72,200.00
	RESET PINS	1	LS	\$ 9,825.00	\$ 9,825.00
	CONCRETE VALLEY GUTTER	7	EA	\$ 3,600.00	\$ 25,200.00
	Contingency			10%	\$ 144,237.28

TOTAL IMPROVEMENTS:

\$1,586,610.08

	STREET EXC & DRAINAGE	QUANTITY	UNIT	UNIT COST	TOTAL
	CLEARING (ROW)	37,125	SY	\$ 0.50	\$ 18,562.50
	CLEARING - LOTS	159,977	SY	\$ 0.50	\$ 79,988.50
	EXCAVATION (ROW)	37,125	SY	\$ 3.00	\$ 111,375.00
	18" CLASS III RCP	1,167	LF	\$ 48.00	\$ 56,016.00
	24" CLASS III RCP	767	LF	\$ 62.00	\$ 47,554.00
	30" CLASS III RCP	184	LF	\$ 75.00	\$ 13,800.00
	36" CLASS III RCP	793	LF	\$ 96.00	\$ 76,128.00
	42" CLASS III RCP	826	LF	\$ 126.00	\$ 104,076.00
	48" CLASS III RCP	626	LF	\$ 150.00	\$ 93,900.00
	4'X5' CLASS III BCP	307	LF	\$ 240.00	\$ 73,680.00
	4' x 5' TxDOT HEADWALL	1	EA	\$ 12,000.00	\$ 12,000.00
	42" HEADWALL	1	EA	\$ 4,500.00	\$ 4,500.00
	48" HEADWALL	1	EA	\$ 5,500.00	\$ 5,500.00
	INLETS 10-FOOT	41	EA	\$ 4,100.00	\$ 168,100.00
	MANHOLES AND/OR JUNCTION BOXES	22	EA	\$ 5,800.00	\$ 127,600.00
	ADJUST MANHOLE CASTINGS	22	EA	\$ 375.00	\$ 8,250.00
	DETENTION POND incl outfall structures	1	LS	\$ 275,000.00	\$ 275,000.00
	STAKING POND AND VOLUME VERIFICATION	1	LS	\$ 5,500.00	\$ 5,500.00
	TRENCH SAFETY	4,670	LF	\$ 1.50	\$ 7,005.00
	STAKING SS	4,670	LF	\$ 1.25	\$ 5,837.50
	ROUGH CUTS	1	LS	\$ 3,275.00	\$ 3,275.00
	GRADING TO INSURE PROPER DRAINAGE	1	LS	\$ 150,000.00	\$ 150,000.00
	VERIFICATION OF DRAINAGE GRADING	1	LS	\$ 6,550.00	\$ 6,550.00
	Contingency			10%	\$ 114,070.15

TOTAL IMPROVEMENTS:

\$ 1,568,267.65

	WASTEWATER	QUANTITY	UNIT	UNIT COST	TOTAL
	8" PVC SDR26 OFF-SITE - ALL DEPTHS	753	LF	\$ 60.00	\$ 45,180.00
	8" PVC SDR26 ON-SITE- ALL DEPTHS	5992	LF	\$ 50.00	\$ 299,600.00
	DOUBLE SERVICE	60	EA	\$ 1,800.00	\$ 108,000.00
	SINGLE SERVICE	11	EA	\$ 1,700.00	\$ 18,700.00
	TRENCH SAFETY	6,745	LF	\$ 1.50	\$ 10,117.50
	MANHOLES (4FT)	31	EA	\$ 5,000.00	\$ 155,000.00
	CONNECT TO EXISTING WWMH	1	EA	\$ 1,500.00	\$ 1,500.00
	STAKING	6,745	LF	\$ 1.15	\$ 7,756.75
	ADJUST MANHOLE CASTINGS	28	EA	\$ 375.00	\$ 10,500.00
	STAKE SERVICES	1	LS	\$ 5,325.00	\$ 5,325.00
	Easement Acquisition	1	LS	\$ 25,000.00	\$ 25,000.00
	Contingency			10%	\$ 68,667.93

TOTAL IMPROVEMENTS:

\$755,347.18

	EROSION	QUANTITY	UNIT	UNIT COST	TOTAL
	REVEG R.O.W.s	15,704	SY	\$ 1.00	\$ 15,704.00
	REVEG POND	18,987	SY	\$ 1.00	\$ 18,987.00
	REVEG LOTS	129,044	SY	\$ 0.50	\$ 64,522.00
	STABILIZED CONST ENT.	1	EA	\$ 1,200.00	\$ 1,200.00
	SILT FENCE- CONSTRUCTION PHASE	6,546	LF	\$ 3.00	\$ 19,638.00
	SILT FENCE-POST CONSTRUCTION	4,910	LF	\$ 3.00	\$ 14,728.50
	Staking - Erosion Controls	1	LS	\$ 6,546.00	\$ 6,546.00
	ROCK BERM	100	LF	\$ 25.00	\$ 2,500.00
	INLET PROTECTION	41	EA	\$ 70.00	\$ 2,870.00
	CONCRETE WASH OUT	1	EA	\$ 1,800.00	\$ 1,800.00
	Contingency			10%	\$ 14,849.55

TOTAL IMPROVEMENTS:

\$ 163,345.05