

MARTIN COUNTY PUBLIC WORKS DEPARTMENT ENGINEER'S OPINION OF PROBABLE COST



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PROJECT NAME: Kanner Oaks Subdivision

PHASE/PARCEL/PLAT: _____

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
EARTHWORK/SITWORK				
a) Mobilization	<u>1</u>	LS	\$24,000.00	24,000.00
b) Clearing, grading and grubbing	<u>8.3</u>	AC	\$3,000.00	24,930.00
c) Excavation (cut)	<u>5,150</u>	CY	\$7.00	36,050.00
d) Embankment (fill)	<u>6,700</u>	CY	\$12.50	83,750.00
e) Sod and seed/mulch	<u>5,000</u>	SY	\$2.00	10,000.00
f) Concrete disposal	<u>0.0</u>	TN	\$60.00	0.00
g) Erosion control	<u>1</u>	LS	\$16,800.00	16,800.00
h) Fencing/railing	<u>0</u>	LS	\$0.00	0.00
i) Materials testing	<u>1</u>	LS	\$27,600.00	27,600.00
			Subtotal	223,130.00
ROADWORK				
a) Stabilized subgrade, roll in place	<u>0</u>	SY	\$3.00	0.00
b) Stabilized subgrade, Type B, 12" thick	<u>7,465</u>	SY	\$7.50	55,987.50
c) Paving base, optional base group 1	<u>329</u>	SY	\$12.50	4,112.50
d) Paving base, optional base group 9	<u>2,758</u>	SY	\$15.50	42,749.00
e) Paving base, other (8" coquina)	<u>3,829</u>	SY	\$0.00	0.00
f) Asphaltic concrete, FC-5, 3/4" thick	<u>3,071</u>	SY	\$7.50	23,032.50
g) Asphaltic concrete, SP-9.5, 1-1/2" thick	<u>3,829</u>	SY	\$15.00	57,435.00
h) Asphaltic concrete, SP, 2" thick	<u>313</u>	SY	\$20.00	6,260.00
i) Asphaltic concrete, SP, 3" thick	<u>2,867</u>	SY	\$30.00	86,010.00
j) Asphalt overlay, SP-9.5 (<= 150 tons)	<u>0.0</u>	TN	\$150.00	0.00
k) Asphalt overlay, SP-9.5 (> 150 tons)	<u>0.0</u>	TN	\$120.00	0.00
l) Pervious asphalt or concrete	<u>662</u>	SY	\$60.00	39,720.00
m) Concrete curb & gutters	<u>3,315</u>	LF	\$14.25	47,238.75
q) Sidewalk, 6' wide	<u>1,865</u>	LF	\$25.00	46,625.00
r) Maintenance of traffic (M.O.T.)	<u>1</u>	LS	\$8,200.00	8,200.00
			Subtotal	417,370.25
DRAINAGE				
a) Inlets / Manholes (<10' depth)	<u>20</u>	EA	\$3,000.00	60,000.00
b) Inlets / Manholes (10' or > depth)	<u>0</u>	EA	\$4,000.00	0.00
c) Control structures	<u>1</u>	EA	\$6,000.00	6,000.00
d) Endwalls	<u>18</u>	CY	\$700.00	12,600.00
e) Rip-rap	<u>30</u>	CY	\$80.00	2,400.00
f) Storm culvert, 15" dia. or equiv.	<u>746</u>	LF	\$28.00	20,888.00

g) Storm culvert, 18" dia. or equiv.	<u>1,162</u>	LF	\$34.00	39,508.00
h) Storm culvert, 24" dia. or equiv.	<u>538</u>	LF	\$48.00	25,824.00
i) Storm culvert, 30" dia. or equiv.	<u>0</u>	LF	\$65.00	0.00
j) Storm culvert, 36" dia. or equiv.	<u>0</u>	LF	\$88.00	0.00
k) Storm culvert, 42" dia. Or equiv.	<u>164</u>	LF	\$125.00	20,500.00
l) Exfiltration trench	<u>0</u>	LF	\$100.00	0.00
			Subtotal	187,720.00

UTILITIES

a) Water main, 4"	<u>0</u>	LF	\$13.00	0.00
b) Water main, 6"	<u>1,435</u>	LF	\$17.50	25,112.50
c) Water main, 8"	<u>0</u>	LF	\$23.50	0.00
d) Water main, 10"	<u>0</u>	LF	\$31.25	0.00
e) Water main, 12"	<u>0</u>	LF	\$40.00	0.00
f) Water service, single	<u>7</u>	EA	\$790.00	5,530.00
g) Water service, double	<u>12</u>	EA	\$930.00	11,160.00
h) Fire hydrant assembly	<u>3</u>	EA	\$3,600.00	10,800.00
i) Sewer main, 8" gravity (<=8' depth)	<u>995</u>	LF	\$28.00	27,860.00
j) Sewer main, 8" gravity (<8'-12' depth)	<u>449</u>	LF	\$43.00	19,307.00
k) Sewer main, 8" gravity (<12'-16' depth)	<u>0</u>	LF	\$88.00	0.00
l) Sewer main, 8" gravity (<16'-20' depth)	<u>0</u>	LF	\$104.00	0.00
m) Sewer main, force, (4")	<u>40</u>	LF	\$13.50	540.00
n) Sewer manhole (<=8' depth)	<u>6</u>	EA	\$2,900.00	17,400.00
o) Sewer manhole (<8'-12' depth)	<u>3</u>	EA	\$3,850.00	11,550.00
p) Sewer manhole (<12'-16' depth)	<u>0</u>	EA	\$5,500.00	0.00
q) Sewer manhole (<16'-20' depth)	<u>0</u>	EA	\$8,800.00	0.00
r) Sewer lateral, single	<u>4</u>	EA	\$900.00	3,600.00
s) Sewer lateral, double	<u>12</u>	EA	\$1,100.00	13,200.00
t) Lift Station	<u>1</u>	EA	\$120,000.00	120,000.00
u) Directional drill (<= 6" dia.)	<u>160</u>	LF	\$50.00	8,000.00
v) Directional drill (8"-10" dia.)	<u>0</u>	LF	\$88.00	0.00
w) Directional drill (12" or > dia.)	<u>0</u>	LF	\$140.00	0.00
			Subtotal	\$274,059.50

TRAFFIC

a) Signage	<u>1</u>	LS	\$700.00	700.00
b) Striping	<u>1</u>	LS	\$18,637.00	18,637.00
c) Control devices (signals)	<u>0</u>	EA	\$0.00	0.00
			Subtotal	\$19,337.00

SURVEY

a) Setting P.C.P.'s	<u>1</u>	LS	\$1,500.00	1,500.00
b) Setting and replacing all P.R.M.'s	<u>1</u>	LS	\$3,500.00	3,500.00
c) Setting all lot corners	<u>1</u>	LS	\$3,500.00	3,500.00
			Subtotal	\$8,500.00

MISCELLANEOUS

a) FDOT Type Conc. Traffic Separator	<u>650</u>	LF	\$55.00	35,750.00
b) SR-76 Inlet Modifications	<u>1</u>	LS	\$11,000.00	11,000.00
c) FDOT Gravity Wall	<u>180</u>	LF	\$340.00	61,200.00
d) Mitered End Sections	<u>1</u>	LS	\$14,500.00	14,500.00

Subtotal \$122,450.00

TOTAL ESTIMATED COST OF IMPROVEMENTS \$1,252,567

Is this related to a Development Order? Yes or No YES

If no, then the security shall be 110% of Engineers Opinion of Probable Cost
110% of Engineers Opinion of Probable Cost \$1,252,567

Disclaimer

- 1) Unit prices pre-entered on this spreadsheet reflect Martin County annual requirements contractors' unit prices and should not be modified without the approval of the County Engineer or his designee.

Prepared by: Scott T. Montgomery Professional Engineer's Name

Professional Engineer's Signature / Seal (Handwritten signature)

#45954 P.E. No.

8/26/22 Date

C. Calvert Montgomery & Associates, Inc. L.B. #160 Firm's Name and Licensed Business No. (if applicable)

P.O. Box 92, Stuart, FL 34995 Firm's Address

772-287-3636 Phone No.

APPROVED By Stephanie Piche at 3:44 pm, Sep 13, 2022

County Engineer's (or designee) Acceptance