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MAY 05 2021

MARTIN COUNTY PUBLIC WORKS DEPARTMENT
ENGINEER'S OPINION OF PROBABLE GROWTH MANAGEMENT DEPARTMENT



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PROJECT NAME: Palm Pike Crossing Phase 1

PHASE/PARCEL/PLAT: Common Area

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
EARTHWORK/SITWORK				
a) Mobilization	1	LS	\$50,000.00	50,000.00
b) Clearing, grading and grubbing	37.5	AC	\$3,000.00	112,500.00
c) Excavation (cut)	10,890	CY	\$7.00	76,230.00
d) Embankment (fill)	6,651	CY	\$12.50	83,137.50
e) Sod and seed/mulch	17,920	SY	\$2.00	35,840.00
f) Concrete disposal	0.0	TN	\$60.00	0.00
g) Erosion control	1	LS	\$25,000.00	25,000.00
h) Fencing/railing	0	LS	\$0.00	0.00
i) Materials testing	1	LS	\$15,000.00	15,000.00
			Subtotal	397,707.50
ROADWORK				
a) Asphalt milling, 1" avg.	0	SY	\$1.50	0.00
b) Stabilized subgrade, roll in place	0	SY	\$3.00	0.00
c) Stabilized subgrade, Type B, 12" thick	10,302	SY	\$7.50	77,265.00
d) Paving base, optional base group 6	9,365	SY	\$12.50	117,062.50
e) Paving base, optional base group 9	0	SY	\$15.50	0.00
f) Paving base, other	0	SY	\$0.00	0.00
g) Asphaltic concrete, SP-9.5, 1-1/2" thick	9,365	SY	\$15.00	140,475.00
h) Asphaltic concrete, SP-9.5, 2 1/2" thick	0	SY	\$25.00	0.00
i) Asphaltic concrete, SP-9.5, 3" thick	0	SY	\$30.00	0.00
j) Asphalt overlay, SP-9.5 (<= 150 tons)	0.0	TN	\$150.00	0.00
k) Asphalt overlay, SP-9.5 (> 150 tons)	0.0	TN	\$120.00	0.00
l) Pervious asphalt or concrete	0	SY	\$60.00	0.00
m) Concrete curb & gutters	4,346	LF	\$14.25	61,930.50
q) Sidewalk, 6' wide	1,413	LF	\$25.00	35,325.00
r) Maintenance of traffic (M.O.T.)	0	LS	\$0.00	0.00
			Subtotal	432,058.00
DRAINAGE				
a) Inlets / Manholes (<10' depth)	28	EA	\$3,000.00	84,000.00
b) Inlets / Manholes (10' or > depth)	0	EA	\$4,000.00	0.00
c) Control structures	2	EA	\$6,000.00	12,000.00
d) Endwalls	0	CY	\$700.00	0.00
e) Rip-rap	0	CY	\$80.00	0.00

f) Storm culvert, 15" dia. or equiv.	<u>78</u>	LF	\$28.00	2,184.00
g) Storm culvert, 18" dia. or equiv.	<u>270</u>	LF	\$34.00	9,180.00
h) Storm culvert, 24" dia. or equiv.	<u>260</u>	LF	\$48.00	12,480.00
i) Storm culvert, 30" dia. or equiv.	<u>946</u>	LF	\$65.00	61,490.00
j) Storm culvert, 36" dia. or equiv.	<u>152</u>	LF	\$88.00	13,376.00
k) Storm culvert, 48" dia. Or equiv.	<u>0</u>	LF	\$125.00	0.00
l) Exfiltration trench	<u>0</u>	LF	\$100.00	0.00
			Subtotal	194,710.00

UTILITIES

a) Water main, 4"	<u>0</u>	LF	\$13.00	0.00
b) Water main, 6"	<u>170</u>	LF	\$17.50	2,975.00
c) Water main, 8"	<u>2,391</u>	LF	\$23.50	56,188.50
d) Water main, 10"	<u>0</u>	LF	\$31.25	0.00
e) Water main, 12"	<u>735</u>	LF	\$40.00	29,400.00
f) Water service, single	<u>3</u>	EA	\$790.00	2,370.00
g) Water service, double	<u>0</u>	EA	\$930.00	0.00
h) Fire hydrant assembly	<u>4</u>	EA	\$3,600.00	14,400.00
i) Sewer main, 8" gravity (<=8' depth)	<u>1,156</u>	LF	\$28.00	32,368.00
j) Sewer main, 8" gravity (<8'-12' depth)	<u>25</u>	LF	\$43.00	1,075.00
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>1,149</u>	LF	\$13.50	15,511.50
n) Sewer manhole (<=8' depth)	<u>5</u>	EA	\$2,900.00	14,500.00
o) Sewer manhole (<8'-12' depth)	<u>1</u>	EA	\$3,850.00	3,850.00
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>5</u>	EA	\$900.00	4,500.00
s) Sewer lateral, double	<u>0</u>	EA	\$1,100.00	0.00
t) Lift Station	<u>1</u>	EA	\$90,000.00	90,000.00
u) Directional drill (<= 6" dia.)	<u>0</u>	LF	\$50.00	0.00
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	\$267,138.00

TRAFFIC

a) Signage	<u>1</u>	LS	\$8,000.00	8,000.00
b) Striping	<u>1</u>	LS	\$10,000.00	10,000.00
c) Control devices (signals)	<u>0</u>	EA	\$0.00	0.00
			Subtotal	\$18,000.00

SURVEY

a) Setting P.C.P.'s	<u>0</u>	LS	\$0.00	0.00
b) Setting and replacing all P.R.M.'s	<u>1</u>	LS	\$8,000.00	8,000.00
c) Setting all lot corners	<u>1</u>	LS	\$8,000.00	8,000.00
			Subtotal	\$16,000.00

MISCELLANEOUS

a) <u>42" RCP</u>	<u>356</u>	LF	\$115.00	40,940.00
b) _____	<u>0</u>	LF	\$0.00	0.00
c) <u>36" HDPE</u>	<u>231</u>	LF	\$45.00	10,395.00

d)	8" Gate Valve & Box	4	EA	\$3,000.00	12,000.00
e)	6" Gate Valve & Box	2	EA	\$3,000.00	6,000.00
f)	6" Plug	2	EA	\$1,200.00	2,400.00
				Subtotal	\$71,735.00

TOTAL ESTIMATED COST OF IMPROVEMENTS \$ 1,397,348.50

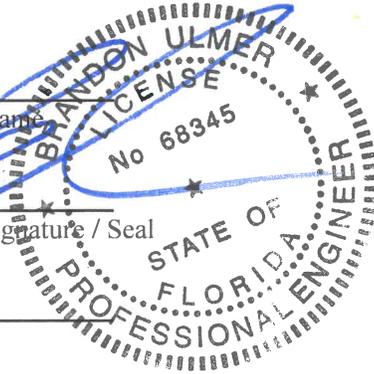
Is this related to a Development Order? Yes or No YES

If no, then the security shall be 110% of Engineers Opinion of Probable Cost
110% of Engineers Opinion of Probable Cost \$ 1,397,348.50

****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: Brandon Ulmer
Professional Engineer's Name
5.3.2021
Professional Engineer's Signature / Seal
68345
P.E. No.
4/20/2021
Date



Thomas Engineering Group CA#27528
Firm's Name and Licensed Business No. (if applicable)

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Spione 5-5-2021
County Engineer's (or designee) Acceptance