



MARTIN COUNTY ENGINEERING DEPARTMENT
ENGINEER'S OPINION OF PROBABLE COST

PROJECT NAME: Mariner Village Square PUD

PHASE/PARCEL/PLAT: Phase 2

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
EARTHWORK/SITEWORK				
a) Mobilization	<u>1</u>	LS	\$7,500.00	7,500.00
b) Clearing, grading and grubbing	<u>7.0</u>	AC	\$3,000.00	21,000.00
c) Excavation (cut)	<u>11,082</u>	CY	\$7.00	77,574.00
d) Embankment (fill)	<u>9,291</u>	CY	\$12.50	116,135.00
e) Sod and seed/mulch	<u>16,178</u>	SY	\$2.00	32,356.00
f) Concrete disposal	<u>0.0</u>	TN	\$60.00	0.00
g) Erosion control	<u>1</u>	LS	\$20,000.00	20,000.00
h) Fencing/railing	<u>1</u>	LS	\$11,200.00	11,200.00
i) Materials testing	<u>1</u>	LS	\$15,000.00	15,000.00
			Subtotal	300,765.00
ROADWORK				
a) Asphalt milling, 1" avg.	<u>870</u>	SY	\$1.50	1,305.00
b) Stabilized subgrade, roll in place	<u>870</u>	SY	\$3.00	2,610.00
c) Stabilized subgrade, Type B, 12" thick	<u>1,900</u>	SY	\$7.50	14,250.00
d) Paving base, optional base group 6	<u>0</u>	SY	\$12.50	0.00
e) Paving base, optional base group 9	<u>1,800</u>	SY	\$15.50	27,900.00
f) Paving base, other	<u>0</u>	SY	\$0.00	0.00
g) Asphaltic concrete, SP-9.5, 1-1/2" thick	<u>0</u>	SY	\$15.00	0.00
h) Asphaltic concrete, SP-9.5, 2 1/2" thick	<u>0</u>	SY	\$25.00	0.00
i) Asphaltic concrete, SP-9.5, 3" thick	<u>0</u>	SY	\$30.00	0.00
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>190.0</u>	TN	\$120.00	22,800.00
l) Pervious asphalt or concrete	<u>0</u>	SY	\$60.00	0.00
m) Concrete curb & gutters	<u>1,705</u>	LF	\$14.25	24,296.25
q) Sidewalk, 6' wide	<u>1,015</u>	LF	\$25.00	25,375.00
r) Maintenance of traffic (M.O.T.)	<u>1</u>	LS	\$7,500.00	7,500.00
			Subtotal	126,036.25
DRAINAGE				
a) Inlets / Manholes (<10' depth)	<u>13</u>	EA	\$3,000.00	39,000.00
b) Inlets / Manholes (10' or > depth)	<u>0</u>	EA	\$4,000.00	0.00
c) Control structures	<u>3</u>	EA	\$6,000.00	18,000.00
d) Endwalls	<u>0</u>	CY	\$700.00	0.00
e) Rip-rap	<u>35</u>	CY	\$80.00	2,800.00
f) Storm culvert, 15" dia. or equiv.	<u>0</u>	LF	\$28.00	0.00
g) Storm culvert, 18" dia. or equiv.	<u>783</u>	LF	\$34.00	26,622.00
h) Storm culvert, 24" dia. or equiv.	<u>480</u>	LF	\$48.00	23,040.00
i) Storm culvert, 30" dia. or equiv.	<u>21</u>	LF	\$65.00	1,365.00



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j) Storm culvert, 36" dia. or equiv.	<u>47</u>	LF	\$88.00	4,136.00
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	114,963.00

UTILITIES

a) Water main, 4"	<u>0</u>	LF	\$13.00	0.00
b) Water main, 6"	<u>28</u>	LF	\$17.50	490.00
c) Water main, 8"	<u>960</u>	LF	\$23.50	22,560.00
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>2</u>	EA	\$790.00	1,580.00
g) Water service, double	<u>0</u>	EA	\$930.00	0.00
h) Fire hydrant assembly	<u>1</u>	EA	\$3,600.00	3,600.00
i) Sewer main, 8" gravity (<=8' depth)	<u>461</u>	LF	\$28.00	12,908.00
j) Sewer main, 8" gravity (<8'-12' depth)	<u>123</u>	LF	\$43.00	5,289.00
k) Sewer main, 8" gravity (<12'-16' depth)	<u>70</u>	LF	\$88.00	6,160.00
l) Sewer main, 8" gravity (<16'-20' depth)	<u>0</u>	LF	\$104.00	0.00
m) Sewer main, force, (4")	<u>0</u>	LF	\$13.50	0.00
n) Sewer manhole (<=8' depth)	<u>2</u>	EA	\$2,900.00	5,800.00
o) Sewer manhole (<8'-12' depth)	<u>2</u>	EA	\$3,850.00	7,700.00
p) Sewer manhole (<12'-16' depth)	<u>1</u>	EA	\$5,500.00	5,500.00
q) Sewer manhole (<16'-20' depth)	<u>0</u>	EA	\$8,800.00	0.00
r) Sewer lateral, single	<u>3</u>	EA	\$900.00	2,700.00
s) Sewer lateral, double	<u>0</u>	EA	\$1,100.00	0.00
t) Lift Station	<u>0</u>	EA	\$0.00	0.00
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	\$74,287.00

TRAFFIC

a) Signage	<u>1</u>	LS	\$2,500.00	2,500.00
b) Striping	<u>1</u>	LS	\$12,500.00	12,500.00
c) Control devices (signals)	<u>0</u>	EA	\$0.00	0.00
			Subtotal	\$15,000.00

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	\$2,000.00	2,000.00
c) Setting all lot corners	<u>0</u>	LS	\$0.00	0.00
			Subtotal	\$2,000.00



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MISCELLANEOUS

a)	8' Decorative Wall	1	LS	\$80,000.00	80,000.00
b)		0		\$0.00	0.00
c)		0		\$0.00	0.00
				Subtotal	\$80,000.00

TOTAL ESTIMATED COST OF IMPROVEMENTS **\$713,051.25**

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:

Lisa Leonard, P.E.
Professional Engineer's Name

UBU 2-10-2020
Professional Engineer's Signature / Seal

61737
P.E. No.

02/10/2020
Date

Bowman Consulting, 30462
Firm's Name and Licensed Business No. (if applicable)

301 SE Ocean Boulevard, Suite 301, Stuart, FL 34994
Firm's Address

(772) 283-1413
Phone No.

Spiche 4/16/2020
County Engineer's (or designee) Acceptance

