

MARTIN COUNTY PUBLIC WORKS DEPARTMENT

ENGINEER'S OPINION OF PROBABLE COST



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PROJECT NAME: Highpointe - Phase I (On-Site) **PHASE/PARCEL/PLAT:** Phase 1

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
EARTHWORK/SITEWORK				
a) Mobilization	<u>1</u>	LS	\$40,000.00	40,000.00
b) Clearing, grading and grubbing	<u>52.9</u>	AC	\$3,000.00	158,820.00
c) Excavation (cut)	<u>269,200</u>	CY	\$7.00	1,884,400.00
d) Embankment (fill)	<u>0</u>	CY	\$12.50	0.00
e) Sod and seed/mulch	<u>90,556</u>	SY	\$2.00	181,112.00
f) Concrete disposal	<u>0.0</u>	TN	\$60.00	0.00
g) Erosion control	<u>1</u>	LS	\$8,000.00	8,000.00
h) Fencing/railing	<u>1</u>	LS	\$10,000.00	10,000.00
i) Materials testing	<u>1</u>	LS	\$12,000.00	12,000.00
		Subtotal		2,294,332.00
ROADWORK				
a) Asphalt milling, 1" avg.	<u>0</u>	SY	\$1.50	0.00
b) Stabilized subgrade, roll in place	<u>0</u>	SY	\$3.00	0.00
c) Stabilized subgrade, Type B, 12" thick	<u>13,000</u>	SY	\$7.50	97,500.00
d) Paving base, optional base group 6	<u>12,660</u>	SY	\$12.50	158,250.00
e) Paving base, optional base group 9	<u>0</u>	SY	\$15.50	0.00
f) Paving base, other	<u>0</u>	SY	\$0.00	0.00
g) Asphaltic concrete, SP-9.5, 1-1/2" thick	<u>12,660</u>	SY	\$15.00	189,900.00
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>0.0</u>	TN	\$120.00	0.00
l) Pervious asphalt or concrete	<u>1,770</u>	SY	\$60.00	106,200.00
m) Concrete curb & gutters	<u>12,250</u>	LF	\$14.25	174,562.50
q) Sidewalk, 6' wide	<u>1,640</u>	LF	\$25.00	41,000.00
r) Maintenance of traffic (M.O.T.)	<u>1</u>	LS	\$10,000.00	10,000.00
		Subtotal		777,412.50
DRAINAGE				
a) Inlets / Manholes (<10' depth)	<u>33</u>	EA	\$3,000.00	99,000.00
b) Inlets / Manholes (10' or > depth)	<u>7</u>	EA	\$4,000.00	28,000.00
c) Control structures	<u>2</u>	EA	\$6,000.00	12,000.00
d) Endwalls	<u>0</u>	CY	\$700.00	0.00
e) Rip-rap	<u>60</u>	CY	\$80.00	4,800.00
f) Storm culvert, 15" dia. or equiv.	<u>0</u>	LF	\$28.00	0.00

g) Storm culvert, 18" dia. or equiv.	<u>1,190</u>	LF	\$34.00	40,460.00
h) Storm culvert, 24" dia. or equiv.	<u>2,070</u>	LF	\$48.00	99,360.00
i) Storm culvert, 30" dia. or equiv.	<u>601</u>	LF	\$65.00	39,065.00
j) Storm culvert, 36" dia. or equiv.	<u>798</u>	LF	\$88.00	70,224.00
k) Storm culvert, 48" dia. Or equiv.	<u>42</u>	LF	\$125.00	5,250.00
l) Exfiltration trench	<u>0</u>	LF	\$100.00	0.00
		Subtotal		398,159.00

UTILITIES

a) Water main, 4"	<u>0</u>	LF	\$13.00	0.00
b) Water main, 6"	<u>679</u>	LF	\$17.50	11,882.50
c) Water main, 8"	<u>3,557</u>	LF	\$23.50	83,589.50
d) Water main, 10"	<u>1,206</u>	LF	\$31.25	37,687.50
e) Water main, 12"	<u>0</u>	LF	\$40.00	0.00
f) Water service, single	<u>16</u>	EA	\$790.00	12,640.00
g) Water service, double	<u>39</u>	EA	\$930.00	36,270.00
h) Fire hydrant assembly	<u>8</u>	EA	\$3,600.00	28,800.00
i) Sewer main, 8" gravity (<=8' depth)	<u>1,552</u>	LF	\$28.00	43,456.00
j) Sewer main, 8" gravity (<8'-12' depth)	<u>2,217</u>	LF	\$43.00	95,331.00
k) Sewer main, 8" gravity (<12'-16' depth)	<u>621</u>	LF	\$88.00	54,648.00
l) Sewer main, 8" gravity (<16'-20' depth)	<u>0</u>	LF	\$104.00	0.00
m) Sewer main, force, (6")	<u>3,643</u>	LF	\$15.00	54,645.00
n) Sewer manhole (<=8' depth)	<u>9</u>	EA	\$2,900.00	26,100.00
o) Sewer manhole (<8'-12' depth)	<u>7</u>	EA	\$3,850.00	26,950.00
p) Sewer manhole (<12'-16' depth)	<u>4</u>	EA	\$5,500.00	22,000.00
q) Sewer manhole (<16'-20' depth)	<u>0</u>	EA	\$8,800.00	0.00
r) Sewer lateral, single	<u>24</u>	EA	\$900.00	21,600.00
s) Sewer lateral, double	<u>35</u>	EA	\$1,100.00	38,500.00
t) Lift Station	<u>1</u>	EA	\$375,000.00	375,000.00
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		\$969,099.50

TRAFFIC

a) Signage	<u>1</u>	LS	\$7,500.00	7,500.00
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		\$20,000.00

SURVEY

a) Setting P.C.P.'s	<u>1</u>	LS	\$950.00	950.00
b) Setting and replacing all P.R.M.'s	<u>1</u>	LS	\$3,000.00	3,000.00
c) Setting all lot corners	<u>1</u>	LS	\$7,000.00	7,000.00
		Subtotal		\$10,950.00

MISCELLANEOUS

a) Landscape Wall (740'L x 6'H)	<u>4440</u>	SF	\$30.00	133,200.00
b) Structural Demolition	<u>1</u>	LS	\$25,000.00	25,000.00
c)	<u>0</u>		\$0.00	0.00
		Subtotal		\$158,200.00

TOTAL ESTIMATED COST OF IMPROVEMENTS

\$4,628,153.00

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

\$4,628,153.00

****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:

David C. Baggett, P.E.

Professional Engineer's Name

Professional Engineer's Signature

81375

P.E. No.

10/22/2021

Date

Engineering Design and Construction, Inc (Lic No. 9935)

Firm's Name and Licensed Business No. (if applicable)

10250 SW Village Parkway, Suite 201, Port St. Lucie, FL 34987

Firm's Address

772-462-2455

Phone No.

County Engineer's (or designee) Acceptance

Digitally signed
by David C
Baggett, P.E.

Date: 2021.10.22
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