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DEC 06 2024

GROWTH MANAGEMENT DEPARTMENT



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

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County Project / Permit No: Crossroads Phase 1A-3 (Example: A100-001 or ENG2024010001)

Table with 5 columns: Description, QTY, UNIT, UNIT COST, and COST. It lists items under 'SITWORK AND EARTHWORK' and 'ROADWORK' with their respective quantities, units, and costs, ending with a subtotal for each section.

**DRAINAGE**

Inlets / Manholes (≤ 10')	<u>127</u>	EA	\$6,050	\$768,350
Inlets / Manholes (> 10')	<u>0</u>	EA	\$13,150	\$0
Control structures	<u>0</u>	EA	\$9,080	\$0
Mitered end sections (≤ 24" or equiv.)	<u>0</u>	EA	\$2,020	\$0
Mitered end sections (> 30" or equiv.)	<u>0</u>	EA	\$4,750	\$0
Endwalls	<u>0</u>	CY	\$980.00	\$0
Rip-rap	<u>0</u>	TN	\$139.00	\$0
Storm culvert (15" or equiv.)	<u>189</u>	LF	\$73.00	\$13,797
Storm culvert (18" or equiv.)	<u>3,769</u>	LF	\$89.00	\$335,441
Storm culvert (24" or equiv.)	<u>607</u>	LF	\$129.00	\$78,303
Storm culvert (30" or equiv.)	<u>434</u>	LF	\$171.00	\$74,214
Storm culvert (36" or equiv.)	<u>618</u>	LF	\$244.00	\$150,792
Storm culvert (48" or equiv.)	<u>1,208</u>	LF	\$324.00	\$391,392
Box culvert	<u>0</u>	EA	<u>\$516.00</u>	\$0
Exfiltration trench (15")	<u>0</u>	LF	\$188.00	\$0
Exfiltration trench (18" - 24")	<u>0</u>	LF	\$206.00	\$0
Storage chamber system	<u>1</u>	LS	<u>\$0.00</u>	\$0
			<b>Subtotal:</b>	<b>\$1,812,290</b>

**UTILITIES**

Directional drill (≤ 6")	<u>0</u>	LF	\$55.00	\$0
Directional drill (8" - 10")	<u>0</u>	LF	\$130.00	\$0
Directional drill (> 12")	<u>0</u>	LF	\$300.00	\$0
Water main (4")	<u>223</u>	LF	\$40.00	\$8,920
Water main (6")	<u>2,524</u>	LF	\$50.00	\$126,200
Water main (8")	<u>3,290</u>	LF	\$65.00	\$213,850
Water main (10" - 12")	<u>3,308</u>	LF	\$150.00	\$496,200
Water service (single)	<u>35</u>	EA	\$2,100	\$73,500
Water service (double)	<u>65</u>	EA	\$2,300	\$149,500
Fire hydrant assembly	<u>14</u>	EA	\$8,600	\$120,400
Sewer gravity (≤ 8')	<u>2,808</u>	LF	\$66.00	\$185,328
Sewer manhole (≤ 8')	<u>37</u>	EA	\$6,850	\$253,450
Sewer gravity (< 8' - 12')	<u>7,581</u>	LF	\$101.00	\$765,681
Sewer manhole (< 8' - 12')	<u>0</u>	EA	\$9,050	\$0
Sewer gravity (< 12' - 16')	<u>0</u>	LF	\$206.50	\$0
Sewer manhole (< 12' - 16')	<u>0</u>	EA	\$12,950	\$0
Sewer gravity (< 16')	<u>0</u>	LF	\$244.00	\$0
Sewer manhole (< 16')	<u>0</u>	EA	\$20,650	\$0
Sewer lateral (single)	<u>35</u>	EA	\$1,700	\$59,500
Sewer lateral (double)	<u>65</u>	EA	\$2,400	\$156,000
Sewer force main (4")	<u>0</u>	LF	\$33.00	\$0
Lift station	<u>1</u>	EA	<u>\$0</u>	\$0
			<b>Subtotal:</b>	<b>\$2,608,530</b>

**TRAFFIC CONTROL**

Signage	<u>1</u>	LS	<u>\$30,000</u>	\$30,000
Pavement markings	<u>1</u>	LS	<u>\$40,000</u>	\$40,000
Flashing beacons	<u>0</u>	EA	\$7,050	\$0
Traffic signal or roundabout	<u>0</u>	EA	<u>\$0</u>	\$0
			<b>Subtotal:</b>	<b>\$70,000</b>

**SURVEY**

Setting P.C.P.'s	1	LS	<u>\$15,000</u>	\$15,000
Setting and replacing P.R.M.'s	1	LS	<u>\$0</u>	\$0
Setting all lot corners	1	LS	<u>\$0</u>	\$0
			<b>Subtotal:</b>	<b>\$15,000</b>

**MISCELLANEOUS**

Lighting system	1	LS	<u>#####</u>	\$1,260,000
Landscape and irrigation system	1	LS	<u>#####</u>	\$1,600,000
			<b>Subtotal:</b>	<b>\$2,860,000</b>

**OTHER**

<u>Storm Culvert (42")</u>	<u>1282</u>		<u>\$500</u>	\$641,000
<u>Sewer force main (8")</u>	<u>1031</u>		<u>\$95</u>	\$97,945
<u>Storm Culvert (54")</u>	<u>1592</u>		<u>\$528</u>	\$840,576
			<b>Subtotal:</b>	<b>\$1,579,525</b>

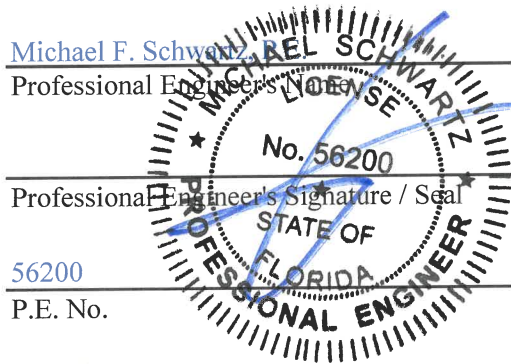
**Opinion of Probable Cost :** \$13,208,570

**Is this related to an approved Development Order (Yes or No)?** **Yes**

*(Security for Engineering Services' Permits shall be 110% of Engineers Opinion of Probable Cost)*

**Required Security: \$13,208,570**

Prepared by: Michael F. Schwartz  
Professional Engineer's Name



Professional Engineer's Signature / Seal

56200  
P.E. No.

23-Aug-24  
Date

Kimley-Horn and Associates, Inc., Registry No.: 35106

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

1920 Wekiva Way, West Palm Beach, FL 33411

Firm's Address

561 404 7247

Phone No.

*Kathy Paulino*  
County Engineer's (or designee) Acceptance