

**NO CHANGE****City of Annapolis**

Department of Neighborhood & Environmental Programs  
 145 Gorman Street Fl 3  
 Annapolis, MD 21401-2529

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## Grading, Sediment Control, Storm Drainage, and Utilities Computation Sheet For Grading Permit and Bond Estimate

Address of site Forest Dr  
 Email jdawsone@cpja.com  
 Job name Thomas Woods Submission date \_\_\_\_\_  
 Engineering firm Sigma/CPJA Phone 410-266-5599

**Estimated costs****1. Earthmoving (includes dredged material)**

|    |              |                                   |   |                 |            |                  |
|----|--------------|-----------------------------------|---|-----------------|------------|------------------|
| a. | <u>283</u>   | cu yds cut (on-site)              | @ | <u>4.00</u>     | / cu yds = | <u>1,132.00</u>  |
| b. | <u>2,055</u> | cu yds borrow to be placed onsite | @ | <u>10.00</u>    | / cu yds = | <u>20,550.00</u> |
| c. | <u>0.84</u>  | Clear & grub (heavy)              | @ | <u>9,000.00</u> | / ac. =    | <u>7,560.00</u>  |

*Subtotal* 29,242.00

**2. Sediment control measures**

|    |              |   |   |                 |            |                 |
|----|--------------|---|---|-----------------|------------|-----------------|
| a. | <u>1</u>     | Stabilized const. entrance                      | @ | <u>1,000.00</u> | / ea. =    | <u>1,000.00</u> |
| b. | <u>3</u>     | Inlet protection                                | @ | <u>300.00</u>   | / ea. =    | <u>900.00</u>   |
| c. |              | Lin ft of diversion fence                       | @ |                 | / ea. =    |                 |
| d. | <u>914</u>   | Lin ft silt fence (Super)                       | @ | <u>10.00</u>    | / lf =     | <u>9,140.00</u> |
| e. | <u>160</u>   | Lin ft silt fence (Reinforced)                  | @ | <u>6.00</u>     | / lf =     | <u>960.00</u>   |
| f. | <u>0</u>     | Lin ft of stone outlet structures               | @ |                 | / lf =     |                 |
| g. | <u>1,762</u> | Sq yds of seeds, mulch and 2" fertilizer        | @ | <u>3.00</u>     | / sq yds = | <u>5,286.00</u> |
| h. |              | Sq yds of sod                                   | @ |                 | / sq yds = |                 |
| i. |              | Attach supplemental information not noted above |   |                 |            |                 |

*Subtotal* 17,286.00

**3. Storm drains and storm water management facilities**

|    |            |   |   |                 |            |                         |
|----|------------|---|---|-----------------|------------|-------------------------|
| a. | <u>231</u> | Lin ft of <u>6"</u> pipe                        | @ | <u>20.00</u>    | / lf =     | <u>4,620.00</u>         |
| b. | <u>121</u> | Lin ft of <u>12"</u> pipe                       | @ | <u>20.00</u>    | / lf =     | <u>2,420.00</u>         |
| c. |            | Lin ft of " pipe                                | @ |                 | / lf =     |                         |
| d. | <u>3</u>   | Headwalls/endwalls                              | @ | <u>1,500.00</u> | / ea. =    | <u>4,500.00</u>         |
| e. | <u>2</u>   | Inlets  | @ | <u>3,000.00</u> | / ea. =    | <u>6,000.00</u>         |
| f. | <u>19</u>  | Cu yds rip rap                                  | @ | <u>75.00</u>    | / cu yds = | <u>1,425.00</u>         |
| g. | <u>1</u>   | Manhole   | @ | <u>2,500.00</u> | / sq yds = | <u>2,500.00</u>         |
| h. | <u>506</u> | Lin ft curb & gutter                            | @ | <u>20.00</u>    | / lf =     | <u>10,120.00</u>        |
| i. |            | Attach supplemental information not noted above |   |                 |            | See attached (6,535.00) |

*Subtotal* 38,120.00

4. Water mains

|  |                    |        |            |         |           |
|--|--------------------|--------|------------|---------|-----------|
| a. 416   | Lin ft of 6        | " pipe | @ 56.00    | / lf =  | 23,296.00 |
| b. 1,084   | Lin ft of 1        | " pipe | @ 11.00    | / lf =  | 11,924.00 |
| c. 10  | Single Meter       |        | @ 200.00   | / lf =  | 2,000.00  |
| d. 3   | Valve & box        |        | @ 700.00   | / ea. = | 2,100.00  |
| e. 1   | Fire hydrant       |        | @ 4,500.00 | / ea. = | 4,500.00  |
| f. 1   | Tapping Sleeve, 6" |        | @ 2,200.00 | / ea. = | 2,200.00  |
| g. Attach supplemental information not noted above |                    |        |            |         |           |
| <i>Subtotal</i>                                    |                    |        |            |         | 46,020.00 |

5. Sewer mains

|  |                |        |            |         |           |
|--|----------------|--------|------------|---------|-----------|
| a. 227   | Lin ft of 8    | " pipe | @ 20.00    | / lf =  | 4,540.00  |
| b. 314   | Lin ft of 4    | " pipe | @ 35.00    | / lf =  | 10,990.00 |
| c. 2   | Manhole, type: |        | @ 2,500.00 | / ea. = | 5,000.00  |
| d.   | Connection     |        | @          | / ea. = |           |
| e. 1   | Terminal       |        | @ 2,500.00 | / ea. = | 2,500.00  |
| f. Attach supplemental information not noted above |                |        |            |         |           |
| <i>Subtotal</i>                                    |                |        |            |         | 23,030.00 |

6. Roadway

|  |                                       |  |         |              |           |
|--|---------------------------------------|--|---------|--------------|-----------|
| a. 830   | Sq yds of blacktop 1.5"               |  | @ 6.00  | / sq yd/in = | 4,980.00  |
| b. 830   | Sq yds of bituminous base course (3") |  | @ 9.00  | / sq yds =   | 7,470.00  |
| c. 830   | Sq. yds of gravel(10")                |  | @ 13.00 | / cu yds =   | 10,790.00 |
| f. Attach supplemental information not noted above |                                       |  |         |              |           |
| <i>Subtotal</i>                                    |                                       |  |         |              | 23,240.00 |

7. Landscaping

a. Attach landscaping estimate information. Bond estimate value shall be 120% of attached estimated value.

*Subtotal* 6,010.80

8. Total estimated costs (This is your bond amount.)

182,948.80

Fee schedule

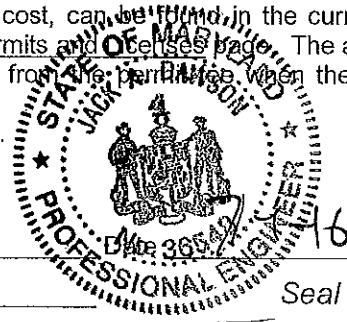
Per City Code Section 17.08.080

1. Non-refundable Application fee and Grading Permit fee, by estimated cost, can be found in the current Fiscal Year fee schedule which is posted at the top of our website's Forms, Permits and Licenses page. The application fee is collected at the time the application is submitted and deducted from the permit fee when the permit is issued.
2. Soil Conservation Review fee, paid at time of permit submittal is \$200.00.

Signature and Seal of engineer who prepared this computation sheet

Signature \_\_\_\_\_

Printed/typed name Jack Dawson



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| Status                      | Review by | Date |
|-----------------------------|-----------|------|
| Approved as submitted       |           |      |
| Revision required as marked |           |      |
| Revision approved           |           |      |