



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

Address of site _____

Email _____

Job name _____ Submission date _____

Engineering firm _____ Phone _____

Estimated costs

1. Earthmoving (includes dredged material)

- a. _____ cu yds cut (on-site) @ _____ / cu yds = _____
- b. _____ cu yds fill (on-site) @ _____ / cu yds = _____
- c. _____ cu yds excess spoil to be removed or borrow placed onsite @ _____ / cu yds = _____

Subtotal _____

2. Sediment control measures

- a. _____ Stabilized const. entrance @ _____ / ea. = _____
- b. _____ Sediment basins @ _____ / ea. = _____
- c. _____ Silt traps @ _____ / ea. = _____
- d. _____ Lin ft silt fence @ _____ / lf = _____
- e. _____ Lin ft earth berm @ _____ / lf = _____
- f. _____ Lin ft of stone outlet structures @ _____ / lf = _____
- g. _____ Sq yds of seeds, mulch and 2" fertilizer @ _____ / sq yds = _____
- h. _____ Sq yds of sod @ _____ / sq yds = _____
- i. Attach supplemental information not noted above _____

Subtotal _____

3. Storm drains and storm water management facilities

- a. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- b. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- c. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- d. _____ Headwalls/endwalls @ _____ / ea. = _____
- e. _____ Inlets @ _____ / ea. = _____
- f. _____ Cu yds rip rap @ _____ / cu yds = _____
- g. _____ Sq yds filter cloth @ _____ / sq yds = _____
- h. _____ Lin ft curb & gutter @ _____ / lf = _____
- i. Attach supplemental information not noted above _____

Subtotal _____

4. Water mains

- a. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- b. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- c. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- d. _____ Valve & box @ _____ / ea. = _____
- e. _____ Fire hydrant @ _____ / ea. = _____
- f. _____ Blow-off assembly @ _____ / ea. = _____
- g. Attach supplemental information not noted above _____
- Subtotal* _____

5. Sewer mains

- a. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- b. _____ Lin ft of _____ " pipe @ _____ / lf = _____
- c. _____ Manhole, type: @ _____ / ea. = _____
- d. _____ Connection @ _____ / ea. = _____
- e. _____ Terminal @ _____ / ea. = _____
- f. Attach supplemental information not noted above _____
- Subtotal* _____

6. Roadway

- a. _____ Sq yds of blacktop @ _____ / sq yd/in = _____
- b. _____ Sq yds of concrete 6" thick @ _____ / sq yds = _____
- c. _____ Cu yds of gravel @ _____ / cu yds = _____
- f. Attach supplemental information not noted above _____
- Subtotal* _____

7. Landscaping

- a. Attach landscaping estimate information. Bond estimate value shall be 120% of attached estimated value.
- Subtotal* _____

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

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 _____ Date _____

Printed/typed name _____ *Seal*

FOR CITY USE ONLY		
Status	Review by	Date
Approved as submitted		
Revision required as marked		
Revision approved		



City of Annapolis
 Department of Planning and Zoning
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 Annapolis, MD 21401-2529

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Unit Prices for Engineering Estimates For Grading Permit Fees and Bonding Purposes

Revised 09/2005

Description	Cost	Unit
Site Work/Earth Moving:		
Clear & Grub (Light)	4,000.00	AC
Clear & Grub (Heavy)	9,000.00	AC
Cut/Fill	4.00	CY
Spoil/Borrow	10.00	CY
Excavation	8.00	CY
Dredged Spoil	50.00	CY
Sediment Control/Stabilization Measures:		
Silt Fence (Reinforced)	6.00	LF
Silt Fence (Super)	10.00	LF
Safety Fence (Orange)	3.00	LF
Earth Dike/Swale	4.00	LF
Straw Bale	3.00	LF
Stabilized Construction Entrance	1,000.00	EA
Inlet Protection Device	300.00	EA
Sediment Trap	5,000.00	EA
Compost Berm Device	5.00	LF
Sodding	4.00	SY
Seeding/Mulching	3.00	SY
Top Soiling (2 in.) & Sod	5.00	SY
Curlex Material	5.00	SY
Storm Drain/Stormwater Management Systems:		
15" - 21" RCP (Class IV)	50.00	LF
24" - 30" RCP (Class IV)	60.00	LF
33" - 36" RCP (Class IV)	85.00	LF
42" - 54" RCP (Class IV)	135.00	LF
60" - 72" RCP (Class IV)	200.00	LF
12" - 24" CMP (14 Gage)	30.00	LF
27" - 36" CMP (12 Gage)	70.00	LF
48" - 72" CMP (8 Gage)	160.00	LF
4" - 12" PVC (Schedule 40)	20.00	LF
Inlet Structure (Typical to 6' Depth)	3,000.00	EA
Additional Depth	150.00	VF
Manhole Structure (Typical to 6' Depth)	2,500.00	EA
Additional Depth	150.00	VF
Field Connection (Typical)	1,000.00	EA
Headwall/Endwall (Typical)	1,500.00	EA
UngROUTED Riprap (Class 1)	75.00	SY
UngROUTED Riprap (Class 2)	100.00	SY
Gabion Basket (Regular)	800.00	EA

Description	Cost	Unit
Washed Gravel (SHA #2 Stone)	40.00	CY
Filter Cloth (Mirafi 140N or Equal)	3.00	SY
48" Chain Link Fence	15.00	LF
Trash Rack & Base (Attached to Inlet)	500.00	EA
Storm Drain Encasement	150.00	CY
Eco-stone Pavers	45.00	SY
Concrete Flume (Standard)	75.00	SY
Surface Sand Filter Device (Up to 1 Ac. of Drainage)	15,000.00	PER
Underground Sand Filter Structure (Up to 1 Ac. of Drainage)	25,000.00	PER
Bio-retention Pond (Up to 1 Ac. of Drainage)	5,000.00	PER
Bio-retention Pond w/Underdrain System	15,000.00	PER
Infiltration/Pretreatment Trench	60.00	CY
Stormwater Management Landscaping	2,000.00	AC
Cast-in-place Concrete (Reinforced)	600.00	CY
Roadways/Infrastructure:		
Bituminous Concrete Base (4 in.)	12.00	SY
Bituminous Concrete Surface (2 in.)	8.00	SY
Gravel Base Course (6 in.)	8.00	SY
Concrete Sidewalk (Standard)	4.00	SF
Asphalt Sidewalk (Standard)	15.00	SY
Concrete Curb & Gutter	20.00	LF
Bituminous Curb	10.00	LF
Re-locate Utility Pole	13,000.00	PER
Traffic Signal	75,000.00	PER
Street Sign	250.00	EA
Street Light (Standard)	3,000.00	EA
Brace Utility Pole	4,500.00	PER
Final Road Grading	7,500.00	c.
Concrete Driveway	50.00	SY
Guardrail w/Beam	20.00	LF
Street Tree (Public RIW)	350.00	EA
Water House Connections/Mains:		
4" Tapping Sleeve and Valve	1,500.00	EA
6" Tapping Sleeve and Valve	2,200.00	EA
8" Tapping Sleeve and Valve	3,000.00	EA
10" Tapping Sleeve and Valve	3,500.00	EA
12" Tapping Sleeve and Valve	4,000.00	EA
4" Valve and Roadway Box	500.00	EA
6" Valve and Roadway Box	700.00	EA
8" Valve and Roadway Box	900.00	EA
10" Valve and Roadway Box	1,100.00	EA
12" Valve and Roadway Box	1,500.00	EA
4" Meter and Vault	4,500.00	EA
6" Meter and Vault	6,000.00	EA
8" Meter and Vault	8,000.00	EA
6" Fire Hydrant	4,500.00	PER
1" Copper Services	15.00	LF
Single/Double Meter Vault	200.00	EA
Blow-off Assembly	1,000.00	EA
4" Ductile Iron Pipe (Class 52)	50.00	LF
6" Ductile Iron Pipe (Class 52)	56.00	LF
8" Ductile Iron Pipe (Class 52)	60.00	LF
10" Ductile Iron Pipe (Class 52)	67.00	LF

Description	Cost	Unit
12" Ductile Iron Pipe (Class 52)	76.00	LF
1" Copper	11.00	LF
2" Copper	15.00	LF
Sewer House Connections/Mains:		
Type "A" Drop Connection	750.00	EA
Type "B" Drop Connection	900.00	EA
4" House Connection	35.00	LF
6" House Connection	45.00	LF
4" Force Main	16.00	LF
6" Force Main	18.00	LF
8" Force Main	20.00	LF
8" Sewer (All)	20.00	LF
10" Sewer (All)	25.00	LF
12" Sewer (All)	30.00	LF
Manhole (Up to 6' Depth)	2,500.00	EA
Additional Depth	150.00	VF