



*Department of Inspections and Permits
2664 Riva Road, Annapolis, MD 21401
Telephone: (410) 222-7790
Fax: (410) 222-7970
www.aacounty.org*

May 1, 2003

Subject: Revision to Unit Prices

Dear Developer or Design Professional:

Attached please find the updated costs of unit prices. These new unit prices are to be used in determining security amounts and inspection fees for grading permits, and public works agreements.

The new unit prices will become effective July 1, 2003. All cost estimates not signed and approved by a County reviewer by July 1, 2003 must be revised to reflect the new unit prices. Any project estimates that are approved prior to July 1, 2003, but the grading permit is not issued by July 1, 2003 must be revised to reflect the new prices. All updates, reductions or revisions to existing grading permits or agreements must use the new price list as of July 1, 2003 for those items that are being changed.

Copies of the new unit prices will be available on the County website at www.aacounty.org and at the Permit and Customer Service Center on the first floor at 2664 Riva Road.

Sincerely,

George F. Eberle, P.E.
Assistant Director, Inspections and Permits

UNIT PRICE LIST

EARTHWORK

<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Price per Unit</i>
	Cut	c.y.	\$3.00
	Fill	c.y.	\$3.00
	Select Backfill	c.y.	\$33.00
	Stone Aggregate Backfill	c.y.	\$34.00
	Spoil and Borrow	c.y.	\$6.00
	Test Pit paved	c.y.	\$100.00
	unpaved	c.y.	\$55.00
	Top Soil	c.y.	\$25.00
	Seeding, Fertilizing, Liming, and Mulch	s.y.	\$0.65
	Solid Sod w/ 2" Topsoil	s.y.	\$5.00
	4" Topsoil, Seed, and Mulch	s.y.	\$4.50
	2" Topsoil, Seed, and Mulch	s.y.	\$3.00
	Tree protection	l.f.	\$4.00
	Flowable Fill	c.y.	\$100.00
	Sand (washed)	c.y.	\$30.00
	Pea Gravel (washed)	c.y.	\$30.00
	Planting Soil	c.y.	\$25.00
	Mulch	c.y.	\$28.00
	No. 2 Stone for Stormwater Infiltration Device	c.y.	\$27.00

ROAD WORK			
Item No.	Description	Unit	Price per Unit
	Construction Mobilization 10% of Project Construction Cost	l.s.	\$500 min. \$2,500 max.
	Construction Surveys 5% of Project Construction Cost	l.s.	\$1,000 min. \$50,000max.
	Bituminous Concrete Surface Course	s.y./in.	\$3.60
	Bituminous Concrete Base Course	s.y./in.	\$3.30
	Gravel Surface Course	s.y./in.	\$1.80
	Gravel Base Course	s.y./in.	\$1.80
	Crusher Run (CR6)	s.y./in.	\$1.10
	Bankrun Gravel	s.y./in.	\$1.00
	Plain Portland Cement Concrete	s.y./in.	\$3.60
	Dense Graded Aggregate	s.y./in.	\$1.10
	Double Bituminous Surface Treatment (Shoulder)	s.y.	\$3.50
	Hiker/Biker Bituminous Trail	s.y.	\$9.00
	Bituminous Curb	l.f.	\$6.00
	Concrete Curb and Gutter (A.A.Co.)	l.f.	\$10.60
	Concrete Curb and Gutter (SHA)	l.f.	\$11.50
	Mountable Concrete Curb and Gutter	l.f.	\$11.00
	4" Concrete Sidewalk	s.f.	\$5.50
	Concrete Sidewalk Handicap Ramp	ea.	\$700.00
	7" Concrete Driveway (Single) w/o pipe	ea.	\$400.00
	7" Concrete Driveway (Double) w/o pipe	ea.	\$715.00
	Rural Driveway (Asphalt) w/o pipe	ea.	\$290.00
	Block Pavers	s.f.	\$2.00
	Guard Rail - Barricade-Beam Type	l.f.	\$20.00
	Guard Rail - Approach Flare	ea.	\$500.00
	Guard Rail - End	ea.	\$500.00
	Concrete Ditches	s.f.	\$5.00
	Street Lights	ea.	by type*
	Street Trees	ea.	\$350.00
	Pavement Milling 2 in depth	s.y.	\$4.00
	Curb Wheel Stops	each	\$70.00

*Contact Traffic Engineering at (410) 222-7331 for cost of street lights and signs

SEDIMENT AND EROSION CONTROL			
Item No.	Description	Unit	Price per Unit
	Earthen Berm (Swale and Dike)	l.f.	\$3.00
	Perimeter Dike/Swale	l.f.	\$3.50
	Stabilized Construction Entrance (SCE)	ea.	\$500.00
	Straw Bale Dike	l.f.	\$4.00
	Silt Fence	l.f.	\$3.00
	Super Silt Fence	l.f.	\$10.00
	Sediment Trap	ea.	\$1100.00
	Inlet Protection	ea.	\$200.00
	Filter Fabric	s.y.	\$3.50
	Stabilization Matting (Miramat, Curlex, etc.)	s.y.	\$11.00
	Rip-rap, Class I (add \$1.00 when Grouted Rip-rap is used)	c.y.	\$88.00
	Rip-rap, Class II (add \$1.50 when Grouted Rip-rap is used)	c.y.	\$99.00
	Rip-rap, Class III (add \$2.00 when Grouted Rip-rap is used)	c.y.	\$110.00
	SHA No. 2 Stone	c.y.	\$38.00
	Gabions (stone,basket,filter cloth)		
	6' x 3' x 1'	ea.	\$182.00
	6' x 3' x 1.5'	ea.	\$237.00
	6' x 3' x 3'	ea.	\$413.00
	9' x 6' x 9"	ea.	\$358.00
	12' x 6' x 9"	ea.	\$434.00
	Infiltration Trench (Installed)	c.y.	\$38.00
	Temporary Seeding	s.y.	\$0.50
	Temporary Mulching	s.y.	\$0.50
	Wash Rack	l.s.	\$1200.00
	Safety Fence	l.f.	\$4.00
	Pipe Outlet Sediment Trap (ST-I)	l.s.	\$1000.00
	Stone Outlet Sediment Trap (ST-II)	l.s.	\$1200.00
	Rip-rap Outlet Sediment Trap (ST-III)	l.s.	\$1500.00
	Stone Outlet/Rip-rap Outlet Sediment Trap (ST-IV)	l.s.	\$2000.00
	Sediment Basin	l.s.	\$2000.00
	Stone Outlet Structure	l.s.	\$750.00
	Check Dams (stone)	l.f.	\$20.00
	Slope Drains	l.f.	\$30.00
	Riser	ea.	\$1700.00
	Bio-Retention SWM Filter Complete and Installed	c.y.	\$45.00

<i>SEDIMENT AND EROSION CONTROL</i>			
<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Price per Unit</i>
	Polyacrilimide (PAM) Emulsion	gal.	\$70.00
	Polyacrilimide (PAM) Powder	lb.	\$10.00
	Dewatering Bag	ea.	\$200.00
	PAM Flocculant Log	ea.	\$130.00
	8 in. Filter Sock	l.f.	\$3.00
	12 in. Filter Sock	l.f.	\$5.00
	18 in. Filter Sock	l.f.	\$9.00
	Clay Core	c.y.	\$18.00
	Anti-Seep Collars	ea.	\$700.00

UTILITY WORK (Water)			
Item No.	Description	Unit	Price per Unit
	Main (4" D.I.P.)	l.f.	\$18.00
	Main (6" D.I.P.)	l.f.	\$28.00
	Main (8" D.I.P.)	l.f.	\$31.00
	Main (10" D.I.P.)	l.f.	\$36.00
	Main (12" D.I.P.)	l.f.	\$50.00
	Main (16" D.I.P.)	l.f.	\$66.00
	Main (20" D.I.P.)	l.f.	\$97.00
	House Connection (¾" copper)	l.f.	\$15.00
	House Connection (1" copper)	l.f.	\$17.00
	House Connection (1½" copper)	l.f.	\$20.00
	House Connection (2" copper)	l.f.	\$22.00
	4" Valve and Box	ea.	\$600.00
	6" Valve and Box	ea.	\$700.00
	8" Valve and Box	ea.	\$800.00
	10" Valve and Box	ea.	\$1,000.00
	12" Valve and Box	ea.	\$1,200.00
	16" Valve and Vault (Pre-cast)	ea.	\$6,000.00
	Meter Vault ¾" Service, 5/8" Meter Setting (single)	ea.	\$150.00
	Meter Vault ¾" Service, 5/8" Meter Setting (double)	ea.	\$250.00
	Meter Vault 1-1/2" Service, 1-1/2" Meter Setting (single)	ea.	\$500.00
	Meter Vault 1-1/2" Service, 1-1/2" Meter Setting (double)	ea.	\$650.00
	Meter Vault 2" Service, 1-1/2 or 2" Meter Setting	ea.	\$2,200.00
	Meter Vault (5' x 3')	ea.	\$5,500.00
	Meter Vault (7' x 5')	ea.	\$6,500.00
	Meter Vault (9' x 7')	ea.	\$7,500.00
	4" Meter	ea.	\$8,000.00
	6" Meter	ea.	\$9,500.00
	8" Meter	ea.	\$11,500.00
	10" Meter	ea.	\$14,000.00
	4" Tapping Sleeve and Valve	ea.	\$1,200.00
	6" Tapping Sleeve and Valve	ea.	\$1,800.00
	8" Tapping Sleeve and Valve	ea.	\$2,400.00
	10" Tapping Sleeve and Valve	ea.	\$3,100.00
	12" Tapping Sleeve and Valve	ea.	\$4,200.00
	Fire Hydrant	ea.	\$660.00
	2" Blow Off Assembly	ea.	\$550.00
	Fire Suppression Tank (5000 gal) Tank	ea.	\$5700.00
	Concrete slab	ea.	\$1150.00

UTILITY WORK (Sewer)			
Item No.	Description	Unit	Price per Unit
	4" House Connection	l.f.	\$22.00
	6" House Connection	l.f.	\$24.00
	8" Gravity Main (PVC)	l.f.	\$30.00
	10" Gravity Main (PVC)	l.f.	\$35.00
	12" Gravity Main (PVC)	l.f.	\$43.00
	16" Gravity Main (PVC)	l.f.	Site Specific
	20" Gravity Main (PVC)	l.f.	Site Specific
	8" Gravity Main (DIP)	l.f.	\$36.00
	10" Gravity Main (DIP)	l.f.	\$42.00
	12" Gravity Main (DIP)	l.f.	\$48.00
	16" Gravity Main (DIP)	l.f.	Site Specific
	20" Gravity Main (DIP)	l.f.	Site Specific
	2" Force Main (w/Grinder Pumps)	l.f.	\$19.00
	4" Force Main	l.f.	\$21.00
	6" Force Main	l.f.	\$24.00
	8" Force Main	l.f.	\$26.00
	10" Force Main	l.f.	\$40.00
	12" Force Main	l.f.	\$50.00
	Cleanout	ea.	\$200.00
	Manhole, Standard Depth	ea.	\$1,500.00
	Manhole, Additional Depth	v.f.	\$150.00
	Manhole, Shallow	ea.	\$1,300.00
	Manhole, Terminal	ea.	\$1,400.00
	Manhole, Watertight	ea.	\$2,500.00
	Manhole, Drop "A" Connection	ea.	\$600.00
	Manhole, Drop "B" Connection	ea.	\$1,000.00
	Pumping Station (Submersible)	ea.	Site Specific
	Pumping Station (Wet/Dry Well)	ea.	Site Specific
	Pumping Station (Cast-in-place)	ea.	Site Specific
	Core	ea.	\$2,500.00
	Panel	ea.	\$1,000.00
	Grinder Pump (Single)	ea.	\$6,000.00
	Grinder Pump (Double)	ea.	\$10,000.00

UTILITY WORK (Sewer continued)			
Item No.	Description	Unit	Price per Unit
	Mayo Septic Field Installation (Gravity)	ea.	\$5,000.00min
	Mayo Septic Field Installation (Pressure)	ea.	\$7000.00min
	Service Valve Assembly (SVA)	ea.	\$600.00
	1.5 in service line	l.f.	\$18.00
	Air Release 1.5 - 3 in line including manhole	ea.	\$2,500.00
	Inline Flushing Connection	ea.	\$1,800.00
	Terminal Flushing Connection	ea,	\$1,500.00
	Abandonment of SVA	ea.	\$500.00
	Abandonment of SVA & service line	ea.	\$1,200.00
	Abandonment of house connection 4 in	ea.	\$450.00
	6 in	ea.	\$500.00
	Kor-n-Seal 8" pipe	ea.	\$500.00
	Amine-cured high solids epoxy treatment-STD MH 16.0 – 24.0 mils	ea.	\$1,200.00

STORM DRAINAGE (Plastic Pipe)			
Item No.	Description	Unit	Price per Unit (2003)
	4" Pipe (P.V.C. Schedule 40 - rigid)	l.f.	\$12.00
	6" Pipe (P.V.C. Schedule 40 - rigid)	l.f.	\$13.00
	8" Pipe (P.V.C. Schedule 40 - rigid)	l.f.	\$16.00
	10" Pipe (P.V.C. Schedule 40 - rigid)	l.f.	\$25.00
	12" Pipe (P.V.C. Schedule 40 - rigid)	l.f.	\$30.00
	12" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	l.f.	\$24.00
	16" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	l.f.	\$27.00
	18" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	l.f.	\$29.00
	24" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	l.f.	\$35.00
	30" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	l.f.	\$50.00
	36" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	l.f.	\$66.00

STORM DRAINAGE (Concrete Round Pipe)					
Item No.	Description	Unit	Price per Unit Class III	Price per Unit Class IV	Price per Unit Class V
	15" R.C.C.P.	l.f.	\$30.00	\$32.00	\$32.00
	18" R.C.C.P.	l.f.	\$32.00	\$36.00	\$36.00
	21" R.C.C.P.	l.f.	\$36.00	\$40.00	\$40.00
	24" R.C.C.P.	l.f.	\$40.00	\$48.00	\$48.00
	27" R.C.C.P.	l.f.	\$48.00	\$53.00	\$53.00
	30" R.C.C.P.	l.f.	\$55.00	\$63.00	\$63.00
	33" R.C.C.P.	l.f.	\$63.00	\$65.00	\$67.00
	36" R.C.C.P.	l.f.	\$80.00	\$83.00	\$86.00
	42" R.C.C.P.	l.f.	\$91.00	\$94.00	\$96.00
	48" R.C.C.P.	l.f.	\$106.00	\$108.00	\$114.00
	54" R.C.C.P.	l.f.	\$132.00	\$139.00	\$144.00
	60" R.C.C.P.	L.f.	\$150.00	\$155.00	\$163.00
	72" R.C.C.P.	l.f.	\$179.00	\$187.00	\$193.00
	78" R.C.C.P.	l.f.	Site Spec	Site Spec	Site Spec
	84" R.C.C.P.	l.f.	Site Spec	Site Spec	Site Spec
	90" R.C.C.P.	l.f.	Site Spec	Site Spec	Site Spec
	96" R.C.C.P.	l.f.	Site Spec	Site Spec	Site Spec

STORM DRAINAGE (Manholes)				
<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Price per Unit</i>	<i>Price per Additional Vert. Ft.</i>
	A-1	ea.	\$1,500.00	\$90.00
	A-2	ea.	\$1,500.00	\$90.00
	A-3	ea.	\$1,500.00	\$90.00
	B	ea.	\$1,300.00	\$100.00
	C	ea.	\$1,500.00	\$100.00
	Drop	ea.	\$2,700.00	\$180.00

STORM DRAINAGE (End Sections)				
<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Price per Unit (Metal)</i>	<i>Price per Unit (Concrete)</i>
	15"	ea.	\$115.00	\$310.00
	18"	ea.	\$140.00	\$320.00
	21"	ea.	\$265.00	\$380.00
	24"	ea.	\$310.00	\$425.00

STORM DRAINAGE (Headwalls)			
<i>Item No.</i>	<i>Description</i>	<i>Unit</i>	<i>Price per Unit</i>
	A	c.y.	\$700.00
	A-1	c.y.	\$700.00
	B	c.y.	\$700.00
	C	c.y.	\$700.00
	F	c.y.	\$700.00
	E	c.y.	\$700.00
	H	c.y.	\$700.00
	O	c.y.	\$500.00

STORM DRAINAGE (Miscellaneous)			
Item No.	Description	Unit	Price per Unit
	Field Connection	ea.	\$300.00
	6" Perforated P.V.C. Pipe	l.f.	\$13.00
	8" Perforated P.V.C. Pipe	l.f.	\$16.00
	MIX #1 Concrete for Pipe Encasement	c.y.	\$125.00
	MIX #3 Concrete miscellaneous structure	c.y.	\$750.00

STORM DRAINAGE (Bituminous Metal Pipe)					
Item No.	Description	Unit	Price per Unit Unpaved	Price per Unit 25%	Price per Unit 100%
	15" B.C.C.M.P.	l.f.	\$22.00	\$23.00	\$24.00
	18" B.C.C.M.P.	l.f.	\$24.00	\$24.00	\$25.00
	21" B.C.C.M.P.	l.f.	\$28.00	\$29.00	\$30.00
	24" B.C.C.M.P.	l.f.	\$31.00	\$32.00	\$33.00
	27" B.C.C.M.P.	l.f.	\$35.00	\$36.00	\$39.00
	30" B.C.C.M.P.	l.f.	\$42.00	\$44.00	\$45.00
	33" B.C.C.M.P.	l.f.	\$60.00	\$63.00	\$65.00
	36" B.C.C.M.P.	l.f.	\$78.00	\$80.00	\$84.00
	42" B.C.C.M.P.	l.f.	\$90.00	\$92.00	\$96.00
	48" B.C.C.M.P.	l.f.	\$102.00	\$108.00	\$114.00
	54" B.C.C.M.P.	l.f.	\$127.00	\$132.00	\$139.00
	60" B.C.C.M.P.	l.f.	\$144.00	\$150.00	\$156.00
	72" B.C.C.M.P.	l.f.	\$168.00	\$174.00	\$180.00
	17" x 13" B.C.C.M.P.	l.f.	\$23.00	\$24.00	\$25.00
	21" x 15" B.C.C.M.P.	l.f.	\$28.00	\$29.00	\$30.00

STORM DRAINAGE (Inlets)				
Item No.	Description	Unit	Price per Unit	Price per Add. Vert. Ft.
	A-1	ea.	\$1,265.00	\$149.00
	A-2	ea.	\$1,832.00	\$127.00
	B-1	ea.	\$2,629.00	\$149.00
	B-2	ea.	\$2,860.00	\$149.00
	C	ea.	\$2,200.00	\$165.00
	COG or COS - 5	ea.	\$2,200.00	\$165.00
	COG or COS - 10	ea.	\$3,300.00	\$176.00
	COG or COS - 15	ea.	\$4,400.00	\$187.00
	COG or COS - 20	ea.	\$4,950.00	\$198.00
	D	ea.	\$913.00	\$127.00
	E (Not used in Public R/W)	ea.	\$913.00	\$127.00
	SD	ea.	\$913.00	\$127.00
	SDT	ea.	\$1,265.00	\$149.00
	S (Not used in Public R/W)	ea.	\$913.00	\$127.00
	Dbl. S (Not used in Public R/W)	ea.	\$1,375.00	\$149.00
	S Comb. (Not used in Public R/W)	ea.	\$1,485.00	\$127.00
	Dbl. S Comb (Not used in Public R/W)	ea.	\$1,832.00	\$127.00
	Standard NR	ea.	\$1,375.00	\$127.00
	Single WR (Not used in Public R/W)	ea.	\$1,375.00	\$149.00
	Standard WR	ea.	\$1,947.00	\$127.00
	Standard WRM	ea.	\$2,970.00	\$149.00
	Standard NRM	ea.	\$2,398.00	\$127.00
	Yard (Not used in Public R/W)	ea.	\$1,034.00	n/a