



Department of Inspections and Permits
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Unit Prices

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 August 1, 2012. All cost estimates not signed and approved by a County reviewer by August 1, 2012 must be revised to reflect the new unit prices. All updates, reductions or revisions to existing grading permits or agreements must use the new price list as of August 1, 2012 for those items that are being changed. Any project estimate that is approved prior to August 1, 2012 will be honored for one year from date of the cost estimate approval.

Unit Price List

EARTHWORK

Item#	Description	Unit	Price/Unit
1	Cut	CY	\$3.50
2	Fill	CY	\$3.50
3	Select Backfill	CY	\$35.00
4	Stone Aggregate Backfill	CY	\$38.00
5	Spoil and Borrow	CY	\$7.00
6	Test Pit - paved	CY	\$120.00
7	Test Pit - unpaved	CY	\$66.00
8	Top Soil	CY	\$30.00
9	Seeding, Fertilizing, Liming, and Mulch	SY	\$0.75
10	Solid Sod w/ 2" Topsoil	SY	\$6.00
11	4" Topsoil, Seed, and Mulch	SY	\$5.50
12	2" Topsoil, Seed, and Mulch	SY	\$4.00
13	Tree protection / Safety Fence	LF	\$4.00
14	Flowable Fill	CY	\$125.00
15	Sand (washed)	CY	\$33.00
16	Pea Gravel (washed)	CY	\$35.00
17	Planting Soil	CY	\$30.00
18	Mulch	CY	\$33.00

ROAD WORK

Item#	Description	Unit	Price/Unit	Comments
1	Construction Mobilization	LS	\$600.00	min
2	- 10% of Project Construction Cost		\$3,000.00	max
3	Construction Surveys	LS	\$1,200.00	min
4	- 5% of Project Construction Cost		\$60,000.00	max
5	Bituminous Concrete Surface Course	SY /in.	\$4.40	
6	Bituminous Concrete Base Course	SY /in.	\$4.05	
7	Gravel Surface Course	SY /in.	\$2.20	
8	Gravel Base Course	SY /in.	\$2.20	
9	Crusher Run (CR6)	SY /in.	\$1.35	
10	Bankrun Gravel	SY /in.	\$1.20	
11	Plain Portland Cement Concrete	SY /in.	\$4.25	
12	Dense Graded Aggregate	SY /in.	\$1.30	
13	Double Bituminous Surface Treatment (Shoulder)	SY	\$4.00	
14	Hiker/Biker Bituminous Trail	SY	\$10.00	
15	Bituminous Curb	LF	\$7.00	
16	Concrete Curb and Gutter (A.A.Co.)	LF	\$12.50	
17	Concrete Curb and Gutter (SHA)	LF	\$13.50	
18	Mountable Concrete Curb and Gutter	LF	\$13.00	
19	4" Concrete Sidewalk	SF	\$6.50	
20	Concrete Sidewalk Handicap Ramp	EA	\$800.00	
21	7" Concrete Driveway (Single) w/o pipe	EA	\$450.00	
22	7" Concrete Driveway (Double) w/o pipe	EA	\$805.00	
23	Rural Driveway (Asphalt) w/o pipe	EA	\$340.00	
24	Block Pavers	SF	\$2.40	
25	Guard Rail - Barricade-Beam Type	LF	\$25.00	
26	Guard Rail - Approach Flare	EA	\$600.00	
27	Guard Rail - End	EA	\$600.00	
28	Concrete Ditches	SF	\$6.00	
29	Street Lights and Signage*	EA	By Type	
30	Street Trees	EA	\$400.00	
31	Pavement Milling - 2 in depth	SY	\$4.80	

ROAD WORK - continued			
32	Curb Wheel Stops	EA	\$80.00
33	Maintenance Of Traffic		Site Specific
34	Temporary Pavement Markings 4" Paint	LF	\$0.55
35	Temporary Pavement Markings 4" Tape	LF	\$1.65
36	Temporary HMA for M.O.T.	Ton	\$77.25
37	Test Pits for Utility Conflicts	CY	\$103.00
38	Adjust Water Meter covers to grade	EA	\$82.40
39	Adjust Water Valve BoxesMasonry		\$100.00

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

SEDIMENT AND EROSION CONTROL - details from the Maryland Standards and Specifications for Soil Erosion and Sediment Control

Item#	Description	Unit	Price/Unit
	Earth Dikes (*MDE Detail C-1)		
1	Earth Dikes A2 - 18"height/24"wide (matting)	LF	\$3.50
2	Earth Dikes A3 - 18"height/24"wide (stone)	LF	\$8.50
3	Earth Dikes B1 - 30"height/36"wide (seed/mulch)	LF	\$3.25
4	Earth Dikes B2 - 30"height/36"wide (matting)	LF	\$3.75
5	Earth Dikes B3 - 30"height/36"wide (stone)	LF	\$9.25
6	Temporary Swales (*MDE Detail C-2)	LF	\$3.25
7	Perimeter Dike/Swale (*MDE Detail C-3)	LF	\$4.00
8	Stabilized Construction Entrance (SCE) (*MDE Detail B-1)	EA	\$600.00
9	Mountable Berm (*MDE Detail C-8)	LF	\$15.00
10	Temporary Asphalt Berm (*MDE Detail C-5)	LF	\$32.50
11	Silt Fence (*MDE Detail E-1)	LF	\$3.25
12	Reinforced Silt Fence (Detail on AASCD District website)	LF	\$4.50
13	Silt Fence on Pavement (*MDE Detail E-2)	LF	\$6.50
14	Super Silt Fence (*MDE Detail E-3)	LF	\$10.00
15	Diversion Fence (*MDE Detail C-9)	LF	\$7.25
16	Filter Berms (mulch) A - 30"height/36"wide (*MDE Detail E-5)	LF	\$4.00
17	Filter Berms (mulch) B - 42"height/48"wide (*MDE Detail E-5)	LF	\$5.00
18	Inlet Protection (*MDE Detail E-9)	EA	\$225.00
19	Filter Fabric - Degradable	SY	\$2.80
20	Filter Fabric - Non - Degradable	SY	\$3.10
21	Soil Stabilization Matting (Miramat, Curlex) (*MDE Detail B-4-6)	SY	\$12.00
22	Rip-rap, Class I (add \$1.00 when Grouted Rip-rap is used)	CY	\$100.00
23	Rip-rap, Class II (add \$1.50 when Grouted Rip-rap is used)	CY	\$113.00
24	Rip-rap, Class III (add \$2.00 when Grouted Rip-rap is used)	CY	\$125.00
25	Gabions (stone,basket,filter cloth)		
26	6' x 3' x 1' 1.5 ft ³ / .056 yd ³	EA	\$200.00
27	6' x 3' x 1.5' 2.25 ft ³ / .083 yd ³	EA	\$260.00
28	6' x 3' x 3' 54 ft ³ / 2 yd ³	EA	\$454.00
29	9' x 6' x 9" 40.5 ft ³ / 1.5 yd ³	EA	\$394.00
30	12' x 6' x 9" 54 ft ³ / 2 yd ³	EA	\$477.00
31	Temporary Seeding	SY	\$0.60
32	Temporary Mulching	SY	\$0.60
33	Wash Rack (*MDE Detail B-2)	LS	\$1,800.00
34	Pipe Outlet Sediment Trap ST-I (*MDE Detail G-1-1)	LS	\$2,500.00
35	Stone/Riprap Outlet Sediment Trap ST-II (*MDE Detail G-1-2)	LS	\$3,000.00
36	Riprap Outlet Sediment Trap ST-III (*MDE Detail G-1-3)	LS	\$3,500.00
37	Sediment Basin (*MDE Detail G-2)	LS	\$2,200.00
38	Riprap Inflow Protection (*MDE Detail D-3-1)	LF	\$40.00
39	Gabion Inflow Protection (*MDE Detail D-3-2)	LF	\$40.00
40	Baffle Boards (*MDE Detail G-2-4)	LF	\$25.00
41	Temporary Stone Outlet Structure (*MDE Detail E-7)	LS	\$800.00

SEDIMENT AND EROSION CONTROL - details from the Maryland Standards and Specifications for Soil Erosion and Sediment Control -continued

42	Stone Check Dams (*MDE Detail D-2)	LF	\$35.00
43	Pipe Slope Drains (*MDE Detail D-1)	LF	\$39.00
44	Riser	EA	\$1,850.00
45	Polyacrilimide (PAM) Emulsion	Gal.	\$85.00
46	Polyacrilimide (PAM) Powder	lb.	\$12.50
47	Polyacrylamide (PAM) Flocculant Log	EA	\$150.00
48	Filter Bag (*MDE Detail F-4)	EA	\$363.00
49	Filter Log 12 in. (*MDE Detail E-6)	LF	\$6.25
50	Filter Log 18 in. (*MDE Detail E-6)	LF	\$10.25
51	Anti-Seep Collars (*MDE Detail G-2-1)	EA	\$1,000.00
52	Sump Pit (*MDE Detail F-2)	EA	\$875.00
53	Portable Sediment Tank (*MDE Detail F-3)	EA	\$1,500.00
54	Removable Pumping Station (*MDE Detail F-1)	EA	\$2,000.00
55	Temporary Access Bridge (*MDE Detail H-4-1) (See Spec)		Site Specific
56	Temporary Access Culvert (*MDE Detail H-4-2)	EA	\$800.00
57	Clear Water Diversion Pipe (*MDE Detail C-6)	LF	\$30.00
58	Sandbag/Stone Channel Diversion (*MDE MGWC 1.5)	EA	\$2,500.00
59	Plunge Pool (*MDE Detail D-4-2)	EA	\$2,000.00
60	Dust Control (*MDE Detail H-5)	LS	\$500.00
61	Turbidity Curtain	LF	\$16.00

UTILITY WORK (Water)

Item#	Description	Unit	Price/Unit
1	Main (4" D.I.P.)	LF	\$21.50
2	Main (6" D.I.P.)	LF	\$33.50
3	Main (8" D.I.P.)	LF	\$37.00
4	Main (10" D.I.P.)	LF	\$43.00
5	Main (12" D.I.P.)	LF	\$60.00
6	Main (16" D.I.P.)	LF	\$79.00
7	Main (20" D.I.P.)	LF	\$116.00
8	House Connection (¾" copper)	LF	\$18.00
9	House Connection (1" copper)	LF	\$20.50
10	House Connection (1½" copper)	LF	\$24.00
11	House Connection (2" copper)	LF	\$26.50
12	4" Valve and Box	EA	\$720.00
13	6" Valve and Box	EA	\$840.00
14	8" Valve and Box	EA	\$960.00
15	10" Valve and Box	EA	\$1,200.00
16	12" Valve and Box	EA	\$1,440.00
17	16" Valve and Vault (Pre-cast)	EA	\$7,200.00
18	Meter Vault ¾" Service, 5/8" Meter Setting (single)	EA	\$180.00
19	Meter Vault ¾" Service, 5/8" Meter Setting (double)	EA	\$300.00
20	Meter Vault 1-1/2" Service, 1-1/2" Meter Setting (single)	EA	\$600.00
21	Meter Vault 1-1/2" Service, 1-1/2" Meter Setting (double)	EA	\$780.00
22	Meter Vault 2" Service, 1-1/2 or 2" Meter Setting	EA	\$2,640.00
23	Meter Vault (5' x 3')	EA	\$6,600.00
24	Meter Vault (7' x 5')	EA	\$7,800.00
25	Meter Vault (9' x 7')	EA	\$9,000.00
26	4" Meter	EA	\$9,600.00
27	6" Meter	EA	\$11,400.00
28	8" Meter	EA	\$13,800.00
29	10" Meter	EA	\$16,800.00
30	4" Tapping Sleeve and Valve	EA	\$1,440.00
31	6" Tapping Sleeve and Valve	EA	\$2,160.00

UTILITY WORK (Water) - continued			
32	8" Tapping Sleeve and Valve	EA	\$2,880.00
33	10" Tapping Sleeve and Valve	EA	\$3,720.00
34	12" Tapping Sleeve and Valve	EA	\$5,040.00
35	Fire Hydrant	EA	\$790.00
36	2" Blow Off Assembly	EA	\$660.00
37	Fire Suppression Tank (5000 gal) Tank	EA	\$6,840.00
38	Concrete slab	EA	\$1,380.00
UTILITY WORK (Sewer)			
Item#	Description	Unit	Price/Unit
1	4" House Connection	LF	\$26.00
2	6" House Connection	LF	\$29.00
3	8" Gravity Main (PVC)	LF	\$36.00
4	10" Gravity Main (PVC)	LF	\$42.00
5	12" Gravity Main (PVC)	LF	\$52.00
6	16" Gravity Main (PVC)	LF	Site Specific
7	20" Gravity Main (PVC)	LF	Site Specific
8	8" Gravity Main (DIP)	LF	\$43.00
9	10" Gravity Main (DIP)	LF	\$50.00
10	12" Gravity Main (DIP)	LF	\$58.00
11	16" Gravity Main (DIP)	LF	Site Specific
12	20" Gravity Main (DIP)	LF	Site Specific
13	2" Force Main (w/Grinder Pumps)	LF	\$23.00
14	4" Force Main	LF	\$25.00
15	6" Force Main	LF	\$29.00
16	8" Force Main	LF	\$31.00
17	10" Force Main	LF	\$48.00
18	12" Force Main	LF	\$60.00
19	Cleanout	EA	\$240.00
20	Manhole, Standard Depth	EA	\$1,800.00
21	Manhole, Additional Depth	V.Ft.	\$180.00
22	Manhole, Shallow	EA	\$1,560.00
23	Manhole, Terminal	EA	\$1,680.00
24	Manhole, Watertight	EA	\$3,000.00
25	Manhole, Drop "A" Connection	EA	\$720.00
26	Manhole, Drop "B" Connection	EA	\$1,200.00
27	Pumping Station (Submersible)	EA	Site Specific
28	Pumping Station (Wet/Dry Well)	EA	Site Specific
29	Pumping Station (Cast-in-place)	EA	Site Specific
30	Core	EA	\$3,000.00
31	Panel	EA	\$1,200.00
32	Grinder Pump (Single)	EA	\$7,200.00
33	Grinder Pump (Double)	EA	\$12,000.00
34	Mayo Septic Field Installation (Gravity)	EA	\$6,000.00
35	Mayo Septic Field Installation (Pressure)	EA	\$8,400.00
36	Service Valve Assembly (SVA)	EA	\$720.00
37	1.5 in service line	LF	\$22.00
38	Air Release 1.5 - 3 in line including manhole	EA	\$3,000.00
39	Inline Flushing Connection	EA	\$2,160.00
40	Terminal Flushing Connection	EA	\$1,800.00
41	Abandonment of SVA	EA	\$600.00
42	Abandonment of SVA & service line	EA	\$1,440.00
43	Abandonment of house connection - 4 in	EA	\$540.00
44	Abandonment of house connection - 6 in	EA	\$600.00
45	Kor-n-Seal 8" pipe	EA	\$600.00
46	Amine-cured high solids epoxy treatment-STD MH 16.0-24.0 mils	EA	\$1,440.00

STORM DRAINAGE (Plastic Pipe)					
Item#	Description	Unit	Price/Unit		
1	4" Pipe (P.V.C. Schedule 40 - rigid)	LF	\$14.00		
2	6" Pipe (P.V.C. Schedule 40 - rigid)	LF	\$15.00		
3	8" Pipe (P.V.C. Schedule 40 - rigid)	LF	\$19.00		
4	10" Pipe (P.V.C. Schedule 40 - rigid)	LF	\$30.00		
5	12" Pipe (P.V.C. Schedule 40 - rigid)	LF	\$36.00		
6	12" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	LF	\$28.00		
7	16" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	LF	\$32.00		
8	18" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	LF	\$34.00		
9	24" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	LF	\$42.00		
10	30" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	LF	\$60.00		
11	36" Pipe (A.D.S. N-12, Smooth Inside, Non Traffic Bearing)	LF	\$79.00		
STORM DRAINAGE (Concrete Round Pipe)					
Item#	Description	Unit	Price/Unit Class III	Price/Unit Class IV	Price/Unit Class V
1	15" R.C.C.P.	LF	\$36.00	\$38.00	\$38.00
2	18" R.C.C.P.	LF	\$38.00	\$43.00	\$43.00
3	21" R.C.C.P.	LF	\$43.00	\$48.00	\$48.00
4	24" R.C.C.P.	LF	\$48.00	\$57.00	\$57.00
5	27" R.C.C.P.	LF	\$57.00	\$63.00	\$63.00
6	30" R.C.C.P.	LF	\$66.00	\$75.00	\$75.00
7	33" R.C.C.P.	LF	\$75.00	\$78.00	\$80.00
8	36" R.C.C.P.	LF	\$96.00	\$99.00	\$103.00
9	42" R.C.C.P.	LF	\$109.00	\$112.00	\$115.00
10	48" R.C.C.P.	LF	\$127.00	\$129.00	\$136.00
11	54" R.C.C.P.	LF	\$158.00	\$166.00	\$172.00
12	60" R.C.C.P.	LF	\$180.00	\$186.00	\$195.00
13	72" R.C.C.P.	LF	\$214.00	\$224.00	\$231.00
14	78" R.C.C.P.	LF	Site Spec	Site Spec	Site Spec
15	84" R.C.C.P.	LF	Site Spec	Site Spec	Site Spec
16	90" R.C.C.P.	LF	Site Spec	Site Spec	Site Spec
17	96" R.C.C.P.	LF	Site Spec	Site Spec	Site Spec
STORM DRAINAGE (Manholes)					
Item#	Description	Unit	Price/Unit	Vert. Ft.	
1	A-1	EA	\$1,800.00	\$108.00	
2	A-2	EA	\$1,800.00	\$108.00	
3	A-3	EA	\$1,800.00	\$108.00	
4	B	EA	\$1,560.00	\$120.00	
5	C	EA	\$1,800.00	\$120.00	
6	Drop	EA	\$3,240.00	\$216.00	
STORM DRAINAGE (End Sections)					
Item#	Description	Unit	Price/Unit		
			Metal	Concrete	
1	15"	EA	\$138.00	\$372.00	
2	18"	EA	\$168.00	\$384.00	
3	21"	EA	\$318.00	\$456.00	
4	24"	EA	\$372.00	\$510.00	
5	30"	EA	\$1,505.00	\$845.00	

STORM DRAINAGE (Headwalls)					
Item#	Description	Unit	Price/Unit		
1	A	CY	\$800.00		
2	A-1	CY	\$800.00		
3	B	CY	\$800.00		
4	C	CY	\$800.00		
5	F	CY	\$800.00		
6	E	CY	\$800.00		
7	H	CY	\$800.00		
8	O	CY	\$575.00		
STORM DRAINAGE (Miscellaneous)					
Item#	Description	Unit	Price/Unit		
1	Field Connection	EA	\$360.00		
2	6" Perforated P.V.C. Pipe	LF	\$15.00		
3	8" Perforated P.V.C. Pipe	LF	\$19.00		
4	MIX #1 Concrete for Pipe Encasement	CY	\$150.00		
5	MIX #3 Concrete miscellaneous structure	CY	\$900.00		
STORM DRAINAGE (Bituminous Metal Pipe)					
Item#	Description	Unit	Unpaved	Price/Unit 25%	Price/Unit 100%
1	15" B.C.C.M.P.	LF	\$26.00	\$27.00	\$28.00
2	18" B.C.C.M.P.	LF	\$28.00	\$29.00	\$30.00
3	21" B.C.C.M.P.	LF	\$33.00	\$34.00	\$35.00
4	24" B.C.C.M.P.	LF	\$37.00	\$38.00	\$39.00
5	27" B.C.C.M.P.	LF	\$42.00	\$43.00	\$46.00
6	30" B.C.C.M.P.	LF	\$50.00	\$52.00	\$54.00
7	33" B.C.C.M.P.	LF	\$72.00	\$75.00	\$77.00
8	36" B.C.C.M.P.	LF	\$93.00	\$95.00	\$99.00
9	42" B.C.C.M.P.	LF	\$108.00	\$110.00	\$114.00
10	48" B.C.C.M.P.	LF	\$122.00	\$128.00	\$134.00
11	54" B.C.C.M.P.	LF	\$152.00	\$157.00	\$164.00
12	60" B.C.C.M.P.	LF	\$172.00	\$178.00	\$184.00
13	72" B.C.C.M.P.	LF	\$201.00	\$207.00	\$213.00
14	17" x 13" B.C.C.M.P.	LF	\$27.00	\$28.00	\$29.00
15	21" x 15" B.C.C.M.P.	LF	\$33.00	\$34.00	\$35.00
STORM DRAINAGE (Inlets)					
Item#	Description	Unit	Price/Unit	Price Per Add. Vert. Ft.	
1	A-1	EA	\$1,518.00	\$178.00	
2	A-2	EA	\$2,198.00	\$152.00	
3	B-1	EA	\$3,154.00	\$178.00	
4	B-2	EA	\$3,432.00	\$178.00	
5	C	EA	\$2,640.00	\$198.00	
6	COG or COS - 5	EA	\$2,640.00	\$198.00	
7	COG or COS - 10	EA	\$3,960.00	\$211.00	
8	COG or COS - 15	EA	\$5,280.00	\$224.00	
9	COG or COS - 20	EA	\$5,940.00	\$237.00	
10	D	EA	\$1,095.00	\$152.00	
11	E (Not used in Public R/W)	EA	\$1,095.00	\$152.00	
12	SD	EA	\$1,095.00	\$152.00	
13	SDT	EA	\$1,518.00	\$179.00	
14	S (Not used in Public R/W)	EA	\$1,095.00	\$152.00	
15	Dbl. S (Not used in Public R/W)	EA	\$1,650.00	\$178.00	

STORM DRAINAGE (Inlets) - continued				
16	S Comb. (Not used in Public R/W)	EA	\$1,782.00	\$152.00
17	Dbl. S Comb (Not used in Public R/W)	EA	\$2,198.00	\$152.00
18	Standard NR	EA	\$1,650.00	\$152.00
19	Single WR (Not used in Public R/W)	EA	\$1,650.00	\$178.00
20	Standard WR	EA	\$2,336.00	\$152.00
21	Standard WRM	EA	\$3,564.00	\$178.00
22	Standard NRM	EA	\$2,877.00	\$152.00
23	Yard (Not used in Public R/W)	EA	\$1,240.00	n/a

STORM WATER MANAGEMENT - Added				
Item#	Description		Unit	Price/Unit
1	Infiltration Trench (Installed)		CY	\$45.00
2	Bio-Retention SWM Filter Complete and Installed		CY	\$54.00
3	No. 2 Stone for Stormwater Infiltration Device		CY	\$32.00
4	Clay Core (378 Ponds)		CY	\$21.00
5	Clay Liner (378 Ponds)		CY	\$21.00
6	Rain Barrels		EA	\$150.00
7	Porous Pavememt - Site Specific			Site Specific
8	Sand Fill (Filter Bed Area) ASTM33 **		CY	\$60.00
9	Sandstone Boulders **		CY	\$240.00
10	Cobble Weir (D50 = 8" Rock) **		CY	\$90.00
11	Geotextile **		SY	\$4.00
12	Wood Chips (30% mix in Filter Bed Area) **		CY	\$25.00
13	Wood Chips (Surface 1 inch) **		CY	\$25.00
14	Compost **		CY	\$50.00
15	Plantings (Trees, Shrubs, Herbs, and SAV) **		SY	\$10.00
16	Temporary seed & Rye **		SY	\$1.00

***MDE Details - Maryland Standards and Specifications for Soil Erosion and Sediment Control Details**

http://mde.maryland.gov/programs/Water/StormwaterManagementProgram/SoilErosionandSedimentControl/Pages/Programs/WaterPrograms/SedimentandStormwater/erosionsedimentcontrol/esc_standards.aspx

***PDF Manual with MDE Details**

<http://mde.maryland.gov/programs/Water/StormwaterManagementProgram/SoilErosionandSedimentControl/Documents/2011%20MD%20Standard%20and%20Specifications%20for%20Soil%20Erosion%20and%20Sediment%20Control.pdf>

****Step Pool Storm Conveyance (SPSC) Systems**

SPSC Material Unit Cost Estimate for Preparing Construction Bonds

<http://www.aacounty.org/DPW/Watershed/SPSCunitcostbondestimates.pdf>