



**STANDARD PRICES  
FOR  
COST ESTIMATING  
&  
PERMIT APPLICATIONS**

(Revised April 2003)

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**STANDARD PRICES  
FOR COST ESTIMATING  
AND PERMIT APPLICATIONS  
CITY OF ROCKVILLE  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION**

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It should be noted that the estimated costs shown on the following pages are for normal installations. Where unusual circumstances appear, such as heavily traveled streets, extra depths, rock, small quantities of work, etc., extra costs must be added to cover such situations.

# **GRADING AND PAVING**

| <b>Grading and Paving</b>                                    |             |             |
|--|-------------|-------------|
| <b>ITEM</b>  | <b>Unit</b> | <b>Cost</b> |
| Sawcut   | LF          | \$4.00      |
| Concrete Barrier   | LF          | \$32.00     |
| Sheeting and Shoring for Excavation (Depths below 10')       | SF          | \$25.00     |
| Test Pit, Hand Dug   | VF          | \$60.00     |
| <b>Retaining Walls</b>                                       |             |             |
| Interlocking Concrete Block                                  | SF          | \$20.00     |
| Reinforced Concrete - Brick Faced - 4' Max Height            | LF          | \$200.00    |
| Timber   | SF          | \$20.00     |
| <b>Excavation</b>  |             |             |
| Roadway Excavation (First 2000 C.Y.)                         | CY          | \$15.00     |
| Roadway Excavation (Excess Over 2000 C.Y.)                   | CY          | \$10.00     |
| Excavation Hauled Off-Site                                   | CY          | \$15.00     |
| Borrow Excavation  | CY          | \$25.00     |
| Rock Excavation for Roadway                                  | CY          | \$50.00     |
| <b>Removal and Disposal of Trees</b>                         |             |             |
| 6"-12" Diameter  | EA          | \$275.00    |
| 13"-24" Diameter   | EA          | \$600.00    |
| 25"-36" Diameter   | EA          | \$1,000.00  |
| Over 37" Diameter  | EA          | \$1,200.00  |
| <b>Removal and Disposal of Stumps</b>                        |             |             |
| Under 30" Diameter   | EA          | \$450.00    |
| Over 30" Diameter  | EA          | \$550.00    |
| Clearing and Grubbing  | Acres       | \$7,500.00  |
| Remove and Dispose of Concrete Headwalls                     | CY          | \$50.00     |
| Remove and Dispose of Concrete Sidewalks                     | SY          | \$8.00      |
| Remove and Dispose of Concrete Drive Aprons                  | SY          | \$10.00     |
| Remove and Dispose of Concrete Curbs and Gutter              | LF          | \$10.00     |
| Remove and Dispose of Asphalt Paving                         | SY          | \$9.00      |
| Milling Asphalt Paving to 1.5" Depth (Less than 1,000 SY)    | SY          | \$15.00     |
| Milling Asphalt Paving to 1.5" Depth (1,000 SY to 5,000 SY)  | SY          | \$10.00     |
| Milling Asphalt Paving to 1.5" Depth (Greater Than 5,000 SY) | SY          | \$5.00      |
| Remove and Dispose of Existing Piping                        | LF          | \$12.00     |
| Remove and Dispose of Existing Manholes                      | EA          | \$750.00    |
| Remove and Dispose of Existing SD Inlets                     | EA          | \$750.00    |
| Remove and Dispose of All Types of Fence                     | LF          | \$16.00     |
| M.S.H.A. Asphalt Base (300 tons or less)                     | TON         | \$75.00     |
| M.S.H.A. Asphalt Base (Greater than 300 tons)                | TON         | \$60.00     |
| M.S.H.A. Asphalt Surface (300 tons or less)                  | TON         | \$85.00     |
| M.S.H.A. Asphalt Surface (Greater than 300 tons)             | TON         | \$65.00     |
| M.S.H.A. Asphalt Base (300 tons or less) 1" Thick            | SY          | \$4.50      |
| M.S.H.A. Asphalt Base (Greater than 300 tons) 1" Thick       | SY          | \$3.60      |
| M.S.H.A. Asphalt Surface (300 tons or less) 1" Thick         | SY          | \$5.10      |
| M.S.H.A. Asphalt Surface (Greater than 300 tons) 1" Thick    | SY          | \$3.90      |

| <b>Grading and Paving</b>                                  |             |                 |
|--|-------------|-----------------|
| <b>ITEM</b>  | <b>Unit</b> | <b>Cost</b>     |
| #6 Crusher Run Gravel (Compacted 6" Depth)                 | <b>SY</b>   | <b>\$6.00</b>   |
| Dense Graded Aggregate MSHA                                | <b>CY</b>   | <b>\$40.00</b>  |
| M.C. Type-A Concrete Curb & Gutter                         | <b>LF</b>   | <b>\$18.00</b>  |
| MSHA Type "A" & "B" Concrete Curb                          | <b>LF</b>   | <b>\$18.00</b>  |
| Temporary M.C. Std. 10-E Asphalt Curb                      | <b>LF</b>   | <b>\$10.00</b>  |
| M.S.H.A. 9" Concrete Paving                                | <b>SY</b>   | <b>\$70.00</b>  |
| Monolithic Concrete Median                                 | <b>SY</b>   | <b>\$40.00</b>  |
| Mont. Co. Std. 4" Thick Concrete Sidewalk                  | <b>SY</b>   | <b>\$25.00</b>  |
| Mont. Co. Std. 5" Thick Concrete Sidewalk                  | <b>SY</b>   | <b>\$28.00</b>  |
| Brick Sidewalk (With Concrete Base and 1" Sand Bed)        | <b>SF</b>   | <b>\$25.00</b>  |
| Temporary 4" Asphalt Sidewalk                              | <b>SY</b>   | <b>\$16.00</b>  |
| M.S.H.A. Asphalt Base for Bikeway                          | <b>TON</b>  | <b>\$80.00</b>  |
| M.S.H.A. Asphalt Surface for Bikeway                       | <b>TON</b>  | <b>\$90.00</b>  |
| M.S.H.A. Asphalt Base for Bikeway 1" Thick                 | <b>SY</b>   | <b>\$4.80</b>   |
| M.S.H.A. Asphalt Surface for Bikeway 1" Thick              | <b>SY</b>   | <b>\$5.40</b>   |
| City Std. 7" Thick Concrete Drive Apron (Res.)             | <b>SY</b>   | <b>\$40.00</b>  |
| City Std. 9" Thick Concrete Drive Apron (Comm.)            | <b>SY</b>   | <b>\$50.00</b>  |
| Temporary Asphalt Drive Apron                              | <b>SY</b>   | <b>\$34.00</b>  |
| Reinforced Concrete (Walls, Steps, Footings)               | <b>CY</b>   | <b>\$600.00</b> |
| Wheel Stops (Conc. With Anchors, Installed)                | <b>EA</b>   | <b>\$80.00</b>  |
| Steel Guard Rails  | <b>LF</b>   | <b>\$20.00</b>  |
| "W" Beam Guard Rail Trail End Anchorages                   | <b>EA</b>   | <b>\$600.00</b> |
| "W" Beam Guard Rail Type 1 End Flares                      | <b>LF</b>   | <b>\$25.00</b>  |
| Topsoil  | <b>CY</b>   | <b>\$45.00</b>  |
| Hydroseeding   | <b>SY</b>   | <b>\$0.75</b>   |
| Solid Sodding (First 1,000 S.Y.)                           | <b>SY</b>   | <b>\$5.50</b>   |
| Solid Sodding (Excess Over 1,000 S.Y.)                     | <b>SY</b>   | <b>\$4.50</b>   |
| Install 2-1/2" cal x 10' Street Trees                      | <b>EA</b>   | <b>\$300.00</b> |
| Vertically Adjust Sewer Manholes up to 4" Lift-Paved Area  | <b>EA</b>   | <b>\$400.00</b> |
| Vertically Adjust Water Valve Box up to 4" Lift-Paved Area | <b>EA</b>   | <b>\$200.00</b> |
| Vertically Adjust Water Meter up to 4" Lift                | <b>EA</b>   | <b>\$200.00</b> |
| M.C. Std. Wood Barricade Posts                             | <b>EA</b>   | <b>\$65.00</b>  |
| Replacement of Fences                                      | <b>LF</b>   | <b>\$12.00</b>  |
| Chain Link Fencing (48" High)                              | <b>LF</b>   | <b>\$10.00</b>  |
| Chain Link Fencing (72" High)                              | <b>LF</b>   | <b>\$12.00</b>  |
| Chain Link Fencing (96" High)                              | <b>LF</b>   | <b>\$16.00</b>  |
| Chain Link Fencing (120" High)                             | <b>LF</b>   | <b>\$20.00</b>  |

# TRAFFIC

| <b>Traffic</b>  |      |             |
|---|------|-------------|
| ITEM  | Unit | Cost        |
| <b>Traffic Signal Equipment</b>                       |      |             |
| 15" Single Section Pedestrian Signal Head             | EA   | \$550.00    |
| 12" One-Way 3 Section (R,Y,G)                         | EA   | \$1,100.00  |
| 5 Section LED t,s,h                                   | EA   | \$1,600.00  |
| Econolite Traffic Signal Cabinet With Equipment       | EA   | \$10,000.00 |
| Video Detection Camera                                | EA   | \$7,500.00  |
| 6' X 6' Loop Detector                                 | EA   | \$1,100.00  |
| 6' X 22' Loop Detector                                | EA   | \$1,400.00  |
| 6' X 30' Loop Detector                                | EA   | \$1,600.00  |
| <b>Traffic Signal Construction</b>                    |      |             |
| 3" Schedule 80 Rigid PVC Conduit (Bored)              | LF   | \$25.00     |
| 3" Schedule 80 Rigid PVC Conduit (Trenched)           | LF   | \$6.00      |
| 4" Schedule 80 Rigid PVC Conduit (Bored)              | LF   | \$30.00     |
| 4" Schedule 80 Rigid PVC Conduit (Trenched)           | LF   | \$9.00      |
| Standard Handbox in Earth                             | EA   | \$900.00    |
| 20' Lighting Bracket Arm for Traffic Signal Structure | EA   | \$1,000.00  |
| 21' Steel Pole and 40' Mast Arm                       | EA   | \$5,000.00  |
| 21' Steel Pole and 50' Mast Arm                       | EA   | \$6,000.00  |
| 12' X 30' Strain Pole (On Existing Base)              | EA   | \$3,500.00  |
| 3/8" Span Wire  | LF   | \$4.00      |
| Traffic Sign on Span Wire                             | EA   | \$400.00    |
| Solar Powered School Beacon                           | EA   | \$5,600.00  |
| <b>Pavement Marking</b>                               |      |             |
| 4" White Painted Markings                             | LF   | \$0.30      |
| 4" Yellow Painted Markings                            | LF   | \$0.30      |
| 4" White Marking Thermoplastic Tape                   | LF   | \$3.50      |
| 4" Yellow Marking Thermoplastic Tape                  | LF   | \$3.50      |
| 12" Yellow Marking Thermoplastic Tape                 | LF   | \$8.00      |
| 24" Yellow Marking Thermoplastic Tape                 | LF   | \$12.00     |
| <b>Street Lights (With Base)</b>                      |      |             |
| 25' Aluminum Pendant Pole With Cobra Head Fixture     | EA   | \$2,500.00  |
| Washington 14' Flaked Steel Pole With Globe Luminare  | EA   | \$4,500.00  |
| Decorative Pendant                                    | EA   | \$6,000.00  |
| 16' Fiberglass Pole With Fixture                      | EA   | \$1,800.00  |
| 16' Decorative Post                                   | EA   | \$5,000.00  |
| 2" PVC Conduit (Bored)                                | LF   | \$20.00     |
| Type II Traffic Drums or Barricades                   | EA   | \$7.00      |
| Traffic Cones   | EA   | \$3.00      |
| Metal Traffic Signs                                   | EA   | \$35.00     |

# **STORM DRAINAGE**

| <b>Storm Drainage</b>   |             |             |
|---|-------------|-------------|
| <b>ITEM</b>   | <b>Unit</b> | <b>Cost</b> |
| Flowable Fill for Pipe and Structure Backfill                       | CY          | \$110.00    |
| Precast Trench Drain  | LF          | \$125.00    |
| <b>Inlets (Up to 8' Depth)</b>                                      |             |             |
| MCDOT A-5   | EA          | \$3,100.00  |
| MCDOT A-10  | EA          | \$3,300.00  |
| MCDOT A-15  | EA          | \$3,800.00  |
| MCDOT A-20  | EA          | \$4,500.00  |
| MCDOT B-10  | EA          | \$3,300.00  |
| MCDOT B-15  | EA          | \$4,000.00  |
| MCDOT B-20  | EA          | \$4,500.00  |
| MCDOT D   | EA          | \$2,500.00  |
| MCDOT E   | EA          | \$2,000.00  |
| WR Inlet (MD 374.21)  | EA          | \$3,700.00  |
| Inlets (Greater then 8') per Additional Vertical Foot               | VF          | \$300.00    |
| MSHA J, MCDOT J   | EA          | \$3,000.00  |
| Remove and Dispose of Existing SD Inlets                            | EA          | \$750.00    |
| <b>Manholes</b>   |             |             |
| MCDOT Manhole A or B (Up to 8' Depth)                               | EA          | \$3,150.00  |
| MCDOT Manhole A or B (Greater then 8') per Additional Vertical Foot | VF          | \$300.00    |
| Renovate Inlet to M.H.  | EA          | \$1,250.00  |
| Remove and Dispose of Existing Manholes                             | EA          | \$750.00    |
| Field Connection  | EA          | \$500.00    |
| Remove and Dispose of Existing Piping                               | LF          | \$12.00     |
| Class I Rip Rap   | TON         | \$47.00     |
| Class I Rip Rap   | CY          | \$65.00     |
| Class II Rip Rap  | TON         | \$57.00     |
| Class II Rip Rap  | CY          | \$85.00     |
| Gabions   | TON         | \$160.00    |
| Gabions   | CY          | \$200.00    |
| <b>RCP Class III, IV, and V Pipe</b>                                |             |             |
| 15" Diameter  | LF          | \$38.00     |
| 18" Diameter  | LF          | \$40.00     |
| 21" Diameter  | LF          | \$45.00     |
| 24" Diameter  | LF          | \$48.00     |
| 27" Diameter  | LF          | \$52.00     |
| 30" Diameter  | LF          | \$55.00     |
| 33" Diameter  | LF          | \$62.00     |
| 36" Diameter  | LF          | \$76.00     |
| 42" Diameter  | LF          | \$105.00    |
| 48" Diameter  | LF          | \$175.00    |
| 54" Diameter  | LF          | \$190.00    |
| 60" Diameter  | LF          | \$210.00    |
| 66" Diameter  | LF          | \$225.00    |
| 72" Diameter  | LF          | \$230.00    |

| <b>Storm Drainage</b>    |  |             |             |
|--------------------------|--|-------------|-------------|
|                          | <b>ITEM</b>                                      | <b>Unit</b> | <b>Cost</b> |
| <b>CMP</b>               |  |             |             |
|                          | 15"  | LF          | \$25.00     |
|                          | 18"  | LF          | \$32.00     |
|                          | 21"  | LF          | \$40.00     |
|                          | 24"  | LF          | \$45.00     |
|                          | 30"  | LF          | \$55.00     |
|                          | 36"  | LF          | \$70.00     |
|                          | 42"  | LF          | \$85.00     |
|                          | 48"  | LF          | \$100.00    |
|                          | Perforated CMP/PI - Additional Cost per LF       | LF          | \$5.00      |
| <b>CMPA</b>              |  |             |             |
|                          | 18"X11" (Equiv. 15")                             | LF          | \$30.00     |
|                          | 22"X13" (Equiv. 18")                             | LF          | \$35.00     |
|                          | 25"X16" (Equiv. 21")                             | LF          | \$45.00     |
|                          | 29"X18" (Equiv. 24")                             | LF          | \$50.00     |
|                          | 36"X22" (Equiv. 30")                             | LF          | \$65.00     |
|                          | 43"X27" (Equiv. 36")                             | LF          | \$90.00     |
|                          | 50"X31" (Equiv. 42")                             | LF          | \$110.00    |
|                          | 58"X36" (Equiv. 48")                             | LF          | \$125.00    |
| <b>PVC Pipe</b>          |  |             |             |
|                          | 4"   | LF          | \$5.00      |
|                          | 6"   | LF          | \$7.00      |
|                          | 8"   | LF          | \$10.00     |
|                          | 10" to 15"                                       | LF          | \$20.00     |
|                          | 18" to 24"                                       | LF          | \$50.00     |
|                          | Perforated PVC - Additional Cost per LF          | LF          | \$3.00      |
| <b>MCDOT Cutoff Wall</b> |  |             |             |
|                          | 15" Diameter-27" Diameter                        | EA          | \$225.00    |
|                          | 30" Diameter-42" Diameter                        | EA          | \$450.00    |
|                          | 48" Diameter and Larger                          | EA          | \$850.00    |
| <b>MCDOT End Wall</b>    |  |             |             |
|                          | 15" Diameter-27" Diameter                        | EA          | \$1,000.00  |
|                          | 30" Diameter-48" Diameter                        | EA          | \$2,500.00  |
|                          | 54" Diameter & Larger                            | EA          | \$5,000.00  |
| <b>SHA Type Endwall</b>  |  |             |             |
|                          | 15" to 24" Diameter                              | EA          | \$1,600.00  |
|                          | 27" to 42" Diameter                              | EA          | \$3,000.00  |
|                          | 48" and 54" Diameter                             | EA          | \$5,000.00  |
|                          | 60" Diameter                                     | EA          | \$8,500.00  |
|                          | 66" Diameter                                     | EA          | \$11,000.00 |
| <b>RCP End Section</b>   |  |             |             |
|                          | 15" to 24" Diameter                              | EA          | \$400.00    |
|                          | 27" to 42" Diameter                              | EA          | \$650.00    |
| <b>CMP End Section</b>   |  |             |             |
|                          | 15" to 24" Diameter                              | EA          | \$350.00    |
|                          | 27" to 42" Diameter                              | EA          | \$500.00    |
| <b>CMPA End Section</b>  |  |             |             |
|                          | 18" X11" to 29" X 18" (Equiv. 15" to 24" Round)  | EA          | \$450.00    |
|                          | 36" X 22" to 50" X 31" (Equiv. 27" to 42" Round) | EA          | \$600.00    |

# **WATER AND SEWER**

| <b><u>Water and Sewer</u></b>                          |             |             |
|--|-------------|-------------|
| <b>ITEM</b>  | <b>Unit</b> | <b>Cost</b> |
| <b>Water Line Installation</b>                         |             |             |
| Install 4" DIP Water Main (CL52)                       | LF          | \$35.00     |
| Install 6" DIP Water Main (CL52)                       | LF          | \$40.00     |
| Install 8" DIP Water Main (CL50)                       | LF          | \$60.00     |
| Install 10" DIP Water Main (CL50)                      | LF          | \$70.00     |
| Install 12" DIP Water Main (CL50)                      | LF          | \$85.00     |
| Install 1" Copper Water House Connections              | LF          | \$12.00     |
| Install 2" Copper Water House Connections              | LF          | \$16.00     |
| Install Fire Hydrants                                  | EA          | \$3,500.00  |
| Adjust Fire Hydrant                                    | EA          | \$1,000.00  |
| Low Cradle, Encasement, or Blocking                    | CY          | \$460.00    |
| <b>Water Valves</b>                                    |             |             |
| 4"   | EA          | \$500.00    |
| 6"   | EA          | \$600.00    |
| 8"   | EA          | \$900.00    |
| 12"  | EA          | \$1,400.00  |
| 16"  | EA          | \$2,000.00  |
| 18"  | EA          | \$2,500.00  |
| 24"  | EA          | \$4,000.00  |
| <b>Wet Taps</b>  |             |             |
| Install Wet Taps Up to 12" Diameter                    | EA          | \$4,000.00  |
| Install Wet Taps Over 12" Diameter, Under 24" Diameter | EA          | \$7,000.00  |
| Install Wet Tap 24" Diameter                           | EA          | \$10,000.00 |
| <b>Sewer Line Installation</b>                         |             |             |
| Install 8" PVC Sewer Main                              | LF          | \$40.00     |
| Install 10" PVC Sewer Main                             | LF          | \$55.00     |
| Install 12" PVC Sewer Main                             | LF          | \$85.00     |
| Install 15" PVC Sewer Main                             | LF          | \$105.00    |
| Install 4" PVC Sewer House Connection                  | LF          | \$30.00     |
| <b>Install Sewer Manholes</b>                          |             |             |
| 8' or Less   | EA          | \$3,500.00  |
| Each Vertical Foot Over 8' of Depth                    | VF          | \$200.00    |
| Drop Manhole   | EA          | \$4,500.00  |

# **SEDIMENT CONTROL**

| <b>Sediment Control</b>                                     |             |             |
|---|-------------|-------------|
| <b>ITEM</b>   | <b>Unit</b> | <b>Cost</b> |
| Excavation (First 2000 CY)                                  | CY          | \$15.00     |
| Excavation (Over 2000 CY)                                   | CY          | \$10.00     |
| Excavation Hauled Off-Site                                  | CY          | \$15.00     |
| <b>Earthen Dike</b>   |             |             |
| Type A-1, A-2   | LF          | \$5.00      |
| Type A-3, A-4   | LF          | \$8.00      |
| Type B-1, B-2   | LF          | \$10.00     |
| Type B-3  | LF          | \$16.00     |
| <b>Temporary Swale</b>                                      |             |             |
| Type A-1, A-2   | LF          | \$4.00      |
| Type A-3, A-4   | LF          | \$9.00      |
| Type B-1, B-2   | LF          | \$12.00     |
| Type B-3  | LF          | \$15.00     |
| <b>Inlet Protection Device</b>                              |             |             |
| For 5' Inlet  | EA          | \$75.00     |
| For 10' Inlet   | EA          | \$150.00    |
| For 15' Inlet   | EA          | \$225.00    |
| For 20' Inlet   | EA          | \$300.00    |
| <b>Riser Fabrications/Concentric Anti Vortex Device</b>     |             |             |
| 18" Diameter/42" Diameter                                   | EA          | \$450.00    |
| 24" Diameter/48" Diameter                                   | EA          | \$500.00    |
| 30" Diameter/54" Diameter                                   | EA          | \$600.00    |
| Each 6" Diameter Over 30" Diameter for Riser                | EA          | \$35.00     |
| <b>Concentric Anti Vortex Device</b>                        |             |             |
| 60" Diameter  | EA          | \$500.00    |
| 66" Diameter  | EA          | \$550.00    |
| 72" Diameter  | EA          | \$625.00    |
| 78" Diameter  | EA          | \$675.00    |
| 84" Diameter  | EA          | \$725.00    |
| 90" Diameter  | EA          | \$825.00    |
| Stabalized Construction Entrance (Community or Subdivision) | EA          | \$1,750.00  |
| Stabalized Construction Entrance (One Single Family)        | EA          | \$800.00    |
| Stabalized Construction Entrance With Racks                 | EA          | \$2,000.00  |
| Dewatering Basin  | EA          | \$2,000.00  |
| Silt Fence  | LF          | \$4.00      |
| Super Silt Fence  | LF          | \$8.00      |
| Tree Protection Fence                                       | LF          | \$5.00      |
| Safety Fence  | LF          | \$3.00      |
| Root Pruning  | LF          | \$8.00      |
| Sump Pit  | EA          | \$250.00    |
| Filter Cloth  | SY          | \$5.00      |
| MSHA #2 Stone   | TON         | \$22.00     |
| MSHA #2 Stone   | CY          | \$30.00     |
| Temporary Class I Rip Rap for Sediment Control              | TON         | \$47.00     |
| Temporary Class I Rip Rap for Sediment Control              | CY          | \$65.00     |
| Sand Bag/Stone Diversion                                    | LF          | \$10.00     |
| Stone Check Dam   | EA          | \$500.00    |
| Pipe Slope Drain  | LF          | \$22.00     |

# **STORM WATER MANAGEMENT**

| <b>Storm Water Management</b>                         |             |             |
|---|-------------|-------------|
| <b>ITEM</b>   | <b>Unit</b> | <b>Cost</b> |
| Excavation (First 2000 CY)                            | CY          | \$15.00     |
| Excavation (Over 2000 CY)                             | CY          | \$10.00     |
| Excavation Hauled Off-Site                            | CY          | \$15.00     |
| Dam Embankment / Impervious Backfill                  | CY          | \$30.00     |
| Clay Core Trench                                      | CY          | \$40.00     |
| Sub-Drains (Including 6" Pipe, Stone, and Fibercloth) | LF          | \$16.00     |
| Anti Seep Collars                                     | EA          | \$500.00    |
| <b>Perforated PVC Underdrains</b>                     |             |             |
| 4"  | LF          | \$8.00      |
| 6"  | LF          | \$10.00     |
| 8"  | LF          | \$13.00     |
| <b>Trash Rack</b>                                     |             |             |
| Up to 24" Diameter                                    | EA          | \$500.00    |
| Over 24" Diameter                                     | EA          | \$1,000.00  |
| Class I Rip Rap                                       | TON         | \$47.00     |
| Class I Rip Rap                                       | CY          | \$65.00     |
| Class II Rip Rap                                      | TON         | \$57.00     |
| Class II Rip Rap                                      | CY          | \$85.00     |
| Gabions   | TON         | \$160.00    |
| Gabions   | CY          | \$200.00    |
| Grass Crete Pavers                                    | SY          | \$55.00     |
| Wood Mulch  | CY          | \$55.00     |
| Topsoil   | CY          | \$45.00     |
| Reinforced Concrete                                   | CY          | \$600.00    |
| <b>Structural Sand Filter</b>                         |             |             |
| Gravel Bed  | CY          | \$55.00     |
| Sand Filter Media                                     | CY          | \$60.00     |
| <b>Bioretention</b>                                   |             |             |
| Soil Mixture  | CY          | \$200.00    |
| Geotextile Fabric                                     | SY          | \$3.00      |
| Gravel Filter   | CY          | \$50.00     |
| Polyliner   | SY          | \$10.00     |
| <b>Stream Valley</b>                                  |             |             |
| Channel Excavation                                    | CY          | \$25.00     |
| Implicated Rip Rap                                    | CY          | \$95.00     |
| Rock Vane   | LF          | \$135.00    |
| Step Pools  | SY          | \$125.00    |
| Rootwad   | EA          | \$450.00    |
| Cross Vane  | LF          | \$150.00    |
| Stone Toe Protection                                  | LF          | \$50.00     |
| Live Stake  | EA          | \$3.00      |
| Brush Layering  | SY          | \$125.00    |
| Natural Fiber Roll                                    | LF          | \$15.00     |
| Live Facine   | SY          | \$20.00     |
| Stream Diversion (Pump)                               | DAY         | \$250.00    |