

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
**APPROVED UNIT PRICES AND ITEM CODES**  
**(County Council Resolution #            )**  
**Effective Date: 7/1/2009**

ITEM CODE	DESCRIPTION	UNIT	UNIT COST
<b>GENERAL</b>			
110100	Clearing & Grubbing (based on clearing wooded areas only)	AC	\$5,000.00
110101	Tree Removal - Under 10" Diameter	EA	\$275.00
110102	Tree Removal - 10" to 15" Diameter	EA	\$345.00
110103	Tree Removal - 15" to 30" Diameter	EA	\$690.00
110104	Tree Removal - Greater than 30" Diameter	EA	\$1,625.00
110105	Transplant Street Trees	EA	\$135.00
110106	Abandon Existing Well	LS	\$2,000.00
110200	Removal & Disposal of Existing Buildings (specific based on size & materials)	LS	\$10,300.00
110201	Engineers Office Type A	LS	\$20,000.00
110202	Engineers Office Type B	LS	\$24,000.00
110203	Engineers Office Type C	LS	\$34,000.00
110204	Cellular Telephone	EA	\$19.00
110205	Portable Toilet (Per Month)	MO	\$95.00
110206	Digital Camera	EA	\$1,000.00
<b>MAINTENANCE OF TRAFFIC</b>			
110300	5" Yellow Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$0.25
110301	5" White Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$0.25
110302	10" Yellow Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$0.25
110303	10" White Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$0.25
110304	12" White Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$1.00
110305	16" White Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$2.00
110306	24" White Nontoxic Lead Free Waterborne Pavement Marking Paint	LF	\$4.80
110310	4"Yellow Removable Preformed Pavement Line Markings	LF	\$1.20
110311	4" White Removable Preformed Pavement Line Markings	LF	\$1.50
110312	5"Yellow Removable Preformed Pavement Line Markings	LF	\$1.25
110313	5" White Removable Preformed Pavement Line Markings	LF	\$1.25
110314	10"Yellow Removable Preformed Pavement Line Markings	LF	\$2.50
110315	10" White Removable Preformed Pavement Line Markings	LF	\$2.50
110316	12" White Removable Preformed Pavement Line Markings	LF	\$4.25
110317	16" White Removable Preformed Pavement Line Markings	LF	\$5.30
110318	24" White Removable Preformed Pavement Line Markings	LF	\$7.65
1103320	Removable Preformed Letters	EA	\$70.00
1103321	Removable Preformed Symbols	EA	\$275.00
1103322	Removable Preformed Arrows	EA	\$233.00
1103323	Removable Preformed Numbers	EA	\$233.00
1103324	Removal of Removable Preformed Letters, Symbols, Arrows and Numbers	EA	\$452.00
1103325	Removal of Removable Preformed Pavement Markings - Any Width	LF	\$0.13
110330	8" Removable Patterned Black Line Mask Tape for Maintenance of Traffic	LF	\$3.00
110340	Maintenance of Traffic	LS	\$33,000.00
110341	Bank Run Gravel Subbase for Maintenance of Traffic	TON	\$22.50
110342	Graded Aggregate Subbase for Maintenance of Traffic	TON	\$15.00
110343	Crusher Run Aggregate CR-6 for Maintenance of Traffic	TON	\$22.50
110344	Graded Aggregate Base for Maintenance of Traffic	TON	\$22.50
110345	Hot Mix Asphalt for Maintenance of Traffic	TON	\$95.00
110346	Hot Mix Asphalt Curb for Maintenance of Traffic	LF	\$5.50
110347	Steel Plate 8'x12'x1" max. for Maintenance of Traffic (Per Day)	EA/DY	\$5.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
110350	Traffic Manager	DY	\$150.00
110351	Arrow Panel	UD	\$38.75
110352	Portable Flashing Arrow Panel	DY	\$38.75
110353	Temporary Traffic Signs Type III Retro reflective Sheeting	SF	\$12.50
110354	Temporary Traffic Signs High Performance Wide Angle Retro reflective Sheeting	SF	\$22.50
110355	Temporary Raised Pavement Markers	EA	\$6.25
110356	Signs for Maintenance of Traffic (Rental)	DY	\$10.00
110357	Removal of Temporary Raised Pavement Markers	EA	\$0.75
110358	Traffic Cones - 28" with Retro reflective Bands (Rental)	DY	\$43.75
110359	Removal of Existing Painted Stripe Markings - Any Width (Grinding)	LF	\$1.25
110360	4" Temporary Pavement Striping Tape	LF	\$1.30
110361	5" Temporary Pavement Striping Tape	LF	\$1.75
110362	6" Temporary Pavement Striping Tape	LF	\$1.75
110363	8" Temporary Pavement Striping Tape	LF	\$2.35
110364	Removal of Temporary Pavement Striping Tape- Any Width	LF	\$0.19
110365	Removal of Existing Pavement Markings - Any Width	LF	\$18.75
110366	Remove Existing Word Markings (Each Letter)	EA	\$12.50
110367	Remove Existing Stop Bars - 24"	LF	\$5.00
110368	Tubular Markers	EA	\$94.00
110369	Replacement of Tubular Marker Mast	EA	\$55.00
110370	Cones for Maintenance of Traffic	EA	\$20.00
110380	Temporary Concrete Single Face Traffic Barrier for Maintenance of Traffic	LF	\$20.00
110381	Temporary Precast Concrete Traffic Barrier for Maintenance of Traffic	LF	\$16.25
110382	Reset Temporary Concrete Barrier Single Face	LF	\$13.75
110383	Precast Temporary Concrete Traffic Barrier Transition Left Side	EA	\$5,000.00
110384	Precast Temporary Concrete Traffic Barrier Transition Right Side	EA	\$5,000.00
110385	Reset Temporary Precast Concrete Traffic Barrier for Maintenance of Traffic	LF	\$4.00
110386	Reflective Barrier Markers	EA	\$6.75
110387	Removal of Reflective Barrier Markers	EA	\$1.25
110388	Traffic Barrier W Beam for Maintenance of Traffic	LF	\$62.50
110389	Wooden Barricade for Pedestrian Control	LF	\$40.00
110390	Traffic Barrier W Beam Replacement for Maintenance of Traffic	LF	\$50.00
110391	Reset Traffic Barrier W Beam for Maintenance of Traffic	LF	\$37.50
110392	Type I Barricade for Maintenance of Traffic - 6' Length	EA	\$250.00
110393	Type II Barricade for Maintenance of Traffic - 6' Length	EA	\$265.00
110394	Type III Barricade for Maintenance of Traffic - 6' Length	EA	\$280.00
110395	Replace Type III Barricade for Maintenance of Traffic	EA	\$275.00
110400	Flagger	HR	\$15.65
110401	Temporary Crash Cushion Sand Filled Plastic Barrels for Maintenance of Traffic	BBL	\$350.00
110402	Replace Temporary Crash Cushion Sand Filled Plastic Barrels for Maintenance of Traf	BBL	\$331.25
110403	Vertical Panels	EA	\$61.25
110404	Warning Lights	EA	\$86.25
110405	Remove & Reset Temporary Crash Cushion Sand Filled Plastic Barrels for Maintenanc	BBL	\$116.25
110406	Relocate Wood Sign Supports	EA	\$31.25
110407	Sign Modifications to Overhead Sign Structures	SF	\$12.50
110408	Relocate Sign	SF	\$31.25
110409	Remove Sign	SF	\$3.75
110410	Remove and Relocate Existing Signs	SF	\$13.75
110411	Install or Remove Shield	EA	\$30.00
110412	Cover Sign	SF	\$2.50
110413	Relocate Sign Luminaires	EA	\$31.25

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
110414	Remove and Salvage Existing Sign	EA	\$125.00
110415	Temporary Orange Construction Fence	LF	\$2.00
110416	Remove & Reset Temporary Orange Construction Fence	LF	\$2.00
110417	Temporary Crash Cushion Telescoping Attenuator	EA	\$17,500.00
110418	Remove and Reset Temporary Crash Cushion Telescoping Attenuator	EA	\$1,875.00
110419	Temporary Crash Cushion Telescoping Attenuator Spare Parts Package	EA	\$8,750.00
110420	Water Filled Barrier for Maintenance of Traffic	LF	\$10.00
110421	Replacement Sections for Movable Type Concrete Barrier	EA	\$825.00
110422	Drums for Maintenance of Traffic	EA	\$62.50
110423	Replacement of Drums for Maintenance of Traffic	EA	\$77.50
110424	Temporary Movable Type Concrete Traffic Barrier	LF	\$16.50
110425	Portable Variable Message Sign	UD	\$135.00
110426	Protection Vehicle w/Truck Mounted Attenuator, Variable Message Sign & Intrusion Al	UD	\$750.00
110427	Truck Mounted Attenuator	UD	\$225.00
110440	Temporary Type E Traffic Barrier End Treatment 3 Bays, Any Width	EA	\$5,200.00
110441	Temporary Type E Traffic Barrier End Treatment 4 Bays, Any Width	EA	\$5,800.00
110442	Temporary Type E Traffic Barrier End Treatment 6 Bays, Any Width	EA	\$16,000.00
110443	Temporary Type E Traffic Barrier End Treatment 8 Bays, Any Width	EA	\$20,000.00
110444	Temporary Type E Traffic Barrier End Treatment 9 Bays, Any Width	EA	\$25,000.00
110445	Remove & Reset Temporary Type E Traffic Barrier End Treatment, Any Bays, Any Wid	EA	\$1,500.00
110446	Temporary Type E Traffic Barrier End Treatment 12 Bays, Up To 3 Feet Wide	EA	\$20,000.00
110447	Temporary Type J Traffic Barrier End Treatment 4 Cylinders	EA	\$12,000.00
110448	Temporary Type J Traffic Barrier End Treatment 9 Cylinders	EA	\$16,000.00
110449	Precast Temporary 32 inch F Shape Concrete Traffic Barrier Transition Left Side Apprc	EA	\$8,000.00
110450	Precast Temporary 32 inch F Shape Concrete Traffic Barrier	LF	\$20.00
<b>EARTHWORK</b>			
201000	Trim Existing Ditches	LF	\$7.00
201001	Class 1 Excavation	CY	\$7.00
201002	Class 1-A Excavation	CY	\$12.50
201003	Class 2 Excavation	CY	\$12.50
201004	Class 3 Excavation	CY	\$15.00
201005	Class 5 Excavation	CY	\$15.00
201006	Geosynthetic Stabilized Subgrade Using Graded Aggregate Base	CY	\$30.00
201007	Unclassified Excavation	CY	\$7.00
201008	Disposal of Petroleum Contaminated material	CY	\$70.00
201010	Select Borrow	CY	\$20.75
201011	Capping Borrow	CY	\$28.75
201012	Modified Borrow	CY	\$11.25
201013	Common Borrow	CY	\$8.75
201014	Tamped Fill	CY	\$30.00
201020	Test Pit Excavation	CY	\$75.00
201030	Settlement Plates (ea)	DY	\$5.00
201040	Dredging	CY	\$30.00

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<b>PAVEMENT, STORM DRAIN &amp; UTILITY REMOVAL</b>			
210000	Removal of Existing Curb (Any Type)	LF	\$5.00
210001	Removal of Existing Combination Curb & Gutter	LF	\$5.00
210002	Remove Existing Asphalt Curb	LF	\$1.25
210003	Sawcut - 2" Deep	LF	\$2.50
210004	Sawcut - Full Depth	LF	\$5.00
210005	Remove Existing Bituminous Pavement	SY	\$7.50
210006	Remove Existing Sidewalk	SY	\$4.00
210007	Removal of Paved Ditches	SY	\$4.00
210008	Remove Existing Concrete Pavement	SY	\$10.00
210009	Remove Existing Masonry	CY	\$98.00
210010	Remove Existing Concrete Barrier (Any Type)	LF	\$13.75
210011	Remove Existing Manhole	EA	\$925.00
210100	Scarify Existing Asphalt Pavement	SY	\$5.50
210200	Stabilized Construction Entrance	TON	\$28.75
210201	Rehabilitate Stabilized Construction Entrance	TON	\$21.25
210202	Class 3 Excavation for Incidental Construction	CY	\$11.25
210300	Trench Backfill Using Select Borrow	CY	\$31.25
210301	Trench Backfill	CY	\$10.00
210302	Select Backfill Using No. 57 Aggregate	CY	\$28.75
210303	Select Backfill Using Graded Aggregate Subbase	CY	\$28.75
210304	Flowable Backfill for Utility Cuts	CY	\$65.00
210305	Select Backfill Using Crusher Run Aggregate CR-6	CY	\$28.75
210400	Removal of Existing Pipe	LF	\$20.50
210401	Re-laid Old Pipe Culverts (Any Size)	LF	\$33.75
210500	Mix 1 Concrete Miscellaneous Structures	CY	\$390.00
210501	Mix 2 Concrete Miscellaneous Structures	CY	\$485.00
210502	Brick Masonry Miscellaneous Structure	CY	\$500.00
210503	Mix 3 Concrete Miscellaneous Structures	CY	\$845.00
210504	Mix 6 Concrete Miscellaneous Structures	CY	\$235.00
210505	Clean Existing Pipe - Any Size	LF	\$10.00
210506	Clean Existing Inlets	EA	\$260.00
210507	Clean Existing Underdrain Outlets	EA	\$100.00
210508	Remove Existing Catch Basin, Manhole, Headwall	EA	\$687.50
210509	Abandon Existing Catch Basin or Manhole	EA	\$166.25
<b>STORM DRAIN CONSTRUCTION</b>			
302000	12" RCCP Class III	LF	\$25.00
302001	15" RCCP Class III	LF	\$30.00
302002	18" RCCP Class III	LF	\$32.00
302003	21" RCCP Class III	LF	\$38.00
302004	24" RCCP Class III	LF	\$44.00
302005	27" RCCP Class III	LF	\$49.00
302006	30" RCCP Class III	LF	\$65.00
302007	33" RCCP Class III	LF	\$74.00
302008	36" RCCP Class III	LF	\$84.00
302009	42" RCCP Class III	LF	\$99.00
302010	48" RCCP Class III	LF	\$118.00
302011	54" RCCP Class III	LF	\$132.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
302012	60" RCCP Class III	LF	\$176.00
302013	66" RCCP Class III	LF	\$188.00
302014	72" RCCP Class III	LF	\$226.00
302015	78" RCCP Class III	LF	\$264.00
302016	84" RCCP Class III	LF	\$318.00
302017	90" RCCP Class III	LF	\$357.00
302018	96" RCCP Class III	LF	\$402.00
302100	12" RCCP Class IV	LF	\$27.00
302101	15" RCCP Class IV	LF	\$32.00
302102	18" RCCP Class IV	LF	\$36.00
302103	21" RCCP Class IV	LF	\$43.00
302104	24" RCCP Class IV	LF	\$48.00
302105	27" RCCP Class IV	LF	\$55.00
302106	30" RCCP Class IV	LF	\$72.00
302107	33" RCCP Class IV	LF	\$83.00
302108	36" RCCP Class IV	LF	\$95.00
302109	42" RCCP Class IV	LF	\$103.00
302110	48" RCCP Class IV	LF	\$122.00
302111	54" RCCP Class IV	LF	\$148.00
302112	60" RCCP Class IV	LF	\$180.00
302113	66" RCCP Class IV	LF	\$209.00
302114	72" RCCP Class IV	LF	\$237.00
302115	78" RCCP Class IV	LF	\$290.00
302116	84" RCCP Class IV	LF	\$348.00
302117	90" RCCP Class IV	LF	\$464.00
302118	96" RCCP Class IV	LF	\$521.00
302300	12" RCCP Class V	LF	\$28.00
302301	15" RCCP Class V	LF	\$34.00
302302	18" RCCP Class V	LF	\$38.00
302303	21" RCCP Class V	LF	\$44.00
302304	24" RCCP Class V	LF	\$52.00
302305	27" RCCP Class V	LF	\$56.00
302306	30" RCCP Class V	LF	\$75.00
302307	33" RCCP Class V	LF	\$86.00
302308	36" RCCP Class V	LF	\$96.00
302309	42" RCCP Class V	LF	\$108.00
302310	48" RCCP Class V	LF	\$129.00
302311	54" RCCP Class V	LF	\$155.00
302312	60" RCCP Class V	LF	\$188.00
302313	66" RCCP Class V	LF	\$264.00
302314	72" RCCP Class V	LF	\$323.00
302315	78" RCCP Class V	LF	\$393.00
302316	84" RCCP Class V	LF	\$464.00
302317	90" RCCP Class V	LF	\$564.00
302318	96" RCCP Class V	LF	\$577.00
303000	6" BCCMP - 16 gauge	LF	\$17.00
303001	12" BCCMP - 16 gauge	LF	\$34.00
303002	15" BCCMP - 16 gauge	LF	\$40.00
303003	18" BCCMP - 16 gauge	LF	\$47.00
303004	21" BCCMP - 16 gauge	LF	\$56.00
303005	24" BCCMP - 16 gauge	LF	\$65.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
303006	27" BCCMP - 16 gauge	LF	\$75.00
303007	30" BCCMP - 16 gauge	LF	\$80.00
303100	6" BCCMP - 14 gauge	LF	\$19.00
303101	12" BCCMP - 14 gauge	LF	\$22.00
303102	15" BCCMP - 14 gauge	LF	\$24.00
303103	18" BCCMP - 14 gauge	LF	\$54.00
303104	21" BCCMP - 14 gauge	LF	\$64.00
303105	24" BCCMP - 14 gauge	LF	\$73.00
303106	27" BCCMP - 14 gauge	LF	\$84.00
303107	30" BCCMP - 14 gauge	LF	\$90.00
303108	36" BCCMP - 14 gauge	LF	\$110.00
303109	42" BCCMP - 14 gauge	LF	\$129.00
303110	48" BCCMP - 14 gauge	LF	\$146.00
303111	54" BCCMP - 14 gauge	LF	\$164.00
303112	60" BCCMP - 14 gauge	LF	\$184.00
304000	8" CMP Galvanized - 16 gauge	LF	\$12.00
304001	10" CMP Galvanized - 16 gauge	LF	\$13.00
304002	12" CMP Galvanized - 16 gauge	LF	\$17.00
304003	15" CMP Galvanized - 16 gauge	LF	\$20.00
304004	18" CMP Galvanized - 16 gauge	LF	\$25.00
304005	21" CMP Galvanized - 16 gauge	LF	\$27.00
304006	24" CMP Galvanized - 16 gauge	LF	\$45.00
304100	24" CMP Galvanized - 14 gauge	LF	\$32.00
304101	27" CMP Galvanized - 14 gauge	LF	\$38.00
304102	30" CMP Galvanized - 14 gauge	LF	\$45.00
304103	36" CMP Galvanized - 14 gauge	LF	\$75.00
304104	42" CMP Galvanized - 14 gauge	LF	\$90.00
304200	36" CMP Galvanized - 12 gauge	LF	\$72.00
304201	48" CMP Galvanized - 12 gauge	LF	\$101.00
304202	54" CMP Galvanized - 12 gauge	LF	\$110.00
304300	60" CMP Galvanized - 10 gauge	LF	\$155.00
304301	66" CMP Galvanized - 10 gauge	LF	\$164.00
304500	72" CMP Galvanized - 8 gauge	LF	\$172.00
305000	8" CMP Aluminized - 16 gauge	LF	\$14.00
305001	10" CMP Aluminized - 16 gauge	LF	\$18.00
305002	12" CMP Aluminized - 16 gauge	LF	\$22.00
305003	15" CMP Aluminized - 16 gauge	LF	\$25.00
305004	18" CMP Aluminized - 16 gauge	LF	\$30.00
305005	21" CMP Aluminized - 16 gauge	LF	\$33.00
305100	12" CMP Aluminized - 14 gauge	LF	\$28.00
305101	15" CMP Aluminized - 14 gauge	LF	\$30.00
305102	18" CMP Aluminized - 14 gauge	LF	\$35.00
305103	21" CMP Aluminized - 14 gauge	LF	\$38.00
305104	24" CMP Aluminized - 14 gauge	LF	\$40.00
305105	27" CMP Aluminized - 14 gauge	LF	\$45.00
305106	30" CMP Aluminized - 14 gauge	LF	\$55.00

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305200	36" CMP Aluminized - 12 gauge	LF	\$63.00
305201	48" CMP Aluminized - 12 gauge	LF	\$93.00
305202	54" CMP Aluminized - 12 gauge	LF	\$108.00
305300	60" CMP Aluminized - 10 gauge	LF	\$125.00
305301	66" CMP Aluminized - 10 gauge	LF	\$140.00
305600	72" CMP Aluminized - 8 gauge	LF	\$160.00
306000	12" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$30.00
306001	15" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$35.00
306002	18" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$40.00
306003	24" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$45.00
306004	30" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$65.00
306005	36" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$85.00
306006	39" HDPE, Smooth Inside, Plastic Rigid Pipe	LF	\$105.00
307000	4" PVC Schedule 40 Rigid Pipe	LF	\$12.00
307001	6" PVC Schedule 40 Rigid Pipe	LF	\$13.00
307002	8" PVC Schedule 40 Rigid Pipe	LF	\$16.00
307003	10" PVC Schedule 40 Rigid Pipe	LF	\$25.00
307004	12" PVC Schedule 40 Rigid Pipe	LF	\$30.00
307100	Perforated 4" PVC Schedule 40 Rigid Pipe	LF	\$15.00
307101	Perforated 6" PVC Schedule 40 Rigid Pipe	LF	\$16.00
307102	Perforated 8" PVC Schedule 40 Rigid Pipe	LF	\$19.00
307103	Perforated 10" PVC Schedule 40 Rigid Pipe	LF	\$28.00
307104	Perforated 12" PVC Schedule 40 Rigid Pipe	LF	\$33.00
308000	14"x23" Horiz. Ellipt. RCCP Class HE III	LF	\$52.00
308001	19"x30" Horiz. Ellipt. RCCP Class HE III	LF	\$63.00
308002	22"x34" Horiz. Ellipt. RCCP Class HE III	LF	\$72.00
308003	24"x38" Horiz. Ellipt. RCCP Class HE III	LF	\$82.00
308004	27"x42" Horiz. Ellipt. RCCP Class HE III	LF	\$99.00
308005	29"x45" Horiz. Ellipt. RCCP Class HE III	LF	\$118.00
308006	32"x49" Horiz. Ellipt. RCCP Class HE III	LF	\$122.00
308007	34"x53" Horiz. Ellipt. RCCP Class HE III	LF	\$131.00
308008	38"x60" Horiz. Ellipt. RCCP Class HE III	LF	\$152.00
308009	43"x68" Horiz. Ellipt. RCCP Class HE III	LF	\$183.00
308010	48"x76" Horiz. Ellipt. RCCP Class HE III	LF	\$224.00
308011	53"x85" Horiz. Ellipt. RCCP Class HE III	LF	\$236.00
308012	58"x91" Horiz. Ellipt. RCCP Class HE III	LF	\$311.00
308013	63"x98" Horiz. Ellipt. RCCP Class HE III	LF	\$355.00
308014	68"x106" Horiz. Ellipt. RCCP Class HE III	LF	\$407.00
308015	72"x113" Horiz. Ellipt. RCCP Class HE III	LF	\$502.00
308016	77"x121" Horiz. Ellipt. RCCP Class HE III	LF	\$561.00
308017	82"x128" Horiz. Ellipt. RCCP Class HE III	LF	\$613.00
308018	87"x136" Horiz. Ellipt. RCCP Class HE III	LF	\$673.00
308100	14"x23" Horiz. Ellipt. RCCP Class HE IV	LF	\$57.00
308101	19"x30" Horiz. Ellipt. RCCP Class HE IV	LF	\$67.00
308102	22"x34" Horiz. Ellipt. RCCP Class HE IV	LF	\$77.00
308103	24"x38" Horiz. Ellipt. RCCP Class HE IV	LF	\$87.00

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308104	27"x42" Horiz. Ellipt. RCCP Class HE IV	LF	\$105.00
308105	29"x45" Horiz. Ellipt. RCCP Class HE IV	LF	\$131.00
308106	32"x49" Horiz. Ellipt. RCCP Class HE IV	LF	\$134.00
308107	34"x53" Horiz. Ellipt. RCCP Class HE IV	LF	\$143.00
308108	38"x60" Horiz. Ellipt. RCCP Class HE IV	LF	\$162.00
308109	43"x68" Horiz. Ellipt. RCCP Class HE IV	LF	\$196.00
308110	48"x76" Horiz. Ellipt. RCCP Class HE IV	LF	\$241.00
308111	53"x85" Horiz. Ellipt. RCCP Class HE IV	LF	\$308.00
308112	58"x91" Horiz. Ellipt. RCCP Class HE IV	LF	\$362.00
308113	63"x98" Horiz. Ellipt. RCCP Class HE IV	LF	\$418.00
308114	68"x106" Horiz. Ellipt. RCCP Class HE IV	LF	\$477.00
308115	72"x113" Horiz. Ellipt. RCCP Class HE IV	LF	\$584.00
308116	77"x121" Horiz. Ellipt. RCCP Class HE IV	LF	\$653.00
308117	82"x128" Horiz. Ellipt. RCCP Class HE IV	LF	\$713.00
308118	87"x136" Horiz. Ellipt. RCCP Class HE IV	LF	\$782.00
309000	15" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$55.00
309001	18" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$60.00
309002	21" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$65.00
309003	24" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$70.00
309004	27" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$75.00
309005	30" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$85.00
309006	33" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$90.00
309007	36" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$100.00
309008	42" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$130.00
309009	48" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$150.00
309010	54" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$175.00
309011	60" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$245.00
309012	66" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$265.00
309013	72" RCCP, ASTM C-361, Rubber Gasket Pipe, Class A-25	LF	\$295.00
309100	15" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$60.00
309101	18" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$65.00
309102	21" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$70.00
309103	24" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$75.00
309104	27" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$80.00
309105	30" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$85.00
309106	33" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$90.00
309107	36" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$105.00
309108	42" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$130.00
309109	48" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$155.00
309110	54" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$175.00
309111	60" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$250.00
309112	66" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$275.00
309113	72" RCCP, ASTM C-361, Rubber Gasket Pipe, Class B-25	LF	\$300.00
309200	15" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$60.00
309201	18" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$65.00
309202	21" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$70.00
309203	24" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$75.00
309204	27" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$85.00
309205	30" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$90.00
309206	33" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$95.00
309207	36" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$105.00

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**APPROVED UNIT PRICES AND ITEM CODES**  
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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
309208	42" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$140.00
309209	48" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$170.00
309210	54" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$180.00
309211	60" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$265.00
309212	66" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$285.00
309213	72" RCCP, ASTM C-361, Rubber Gasket Pipe, Class C-25	LF	\$325.00
309300	15" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$60.00
309301	18" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$65.00
309302	21" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$70.00
309303	24" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$80.00
309304	27" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$85.00
309305	30" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$95.00
309306	33" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$100.00
309307	36" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$110.00
309308	42" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$145.00
309309	48" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$175.00
309310	54" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$195.00
309311	60" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$270.00
309312	66" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$300.00
309313	72" RCCP, ASTM C-361, Rubber Gasket Pipe, Class D-25	LF	\$335.00
310000	17" x 13" CSP Pipe Arch - 16 gauge	LF	\$28.00
310001	21" x 15" CSP Pipe Arch - 16 gauge	LF	\$34.00
310002	24" x 18" CSP Pipe Arch - 16 gauge	LF	\$42.00
310100	28" x 20" CSP Pipe Arch - 14 gauge	LF	\$48.00
310101	35" x 24" CSP Pipe Arch - 14 gauge	LF	\$60.00
310200	42" x 29" CSP Pipe Arch - 12 gauge	LF	\$103.00
310201	49" x 33" CSP Pipe Arch - 12 gauge	LF	\$112.00
310300	57" x 38" CSP Pipe Arch - 10 gauge	LF	\$133.00
311000	17" x 13" CAP Pipe Arch - 16 gauge	LF	\$28.00
311001	21" x 15" CAP Pipe Arch - 16 gauge	LF	\$34.00
311002	24" x 18" CAP Pipe Arch - 16 gauge	LF	\$42.00
311100	28" x 20" CAP Pipe Arch - 14 gauge	LF	\$48.00
311101	35" x 24" CAP Pipe Arch - 14 gauge	LF	\$60.00
311200	42" x 29" CAP Pipe Arch - 12 gauge	LF	\$103.00
311201	49" x 33" CAP Pipe Arch - 12 gauge	LF	\$112.00
311202	57" x 38" CAP Pipe Arch - 12 gauge	LF	\$133.00
312000	17" x 13" CM Pipe Arch - Coated & Paved - 16 gauge	LF	\$38.00
312001	21" x 15" CM Pipe Arch - Coated & Paved - 16 gauge	LF	\$46.00
312100	28" x 20" CM Pipe Arch - Coated & Paved - 14 gauge	LF	\$64.00
312101	35" x 24" CM Pipe Arch - Coated & Paved - 14 gauge	LF	\$79.00
312200	42" x 29" CM Pipe Arch - Coated & Paved - 12 gauge	LF	\$127.00
312201	49" x 33" CM Pipe Arch - Coated & Paved - 12 gauge	LF	\$145.00
312202	57" x 38" CM Pipe Arch - Coated & Paved - 12 gauge	LF	\$169.00

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313000	17" x 13" ALCM Pipe Arch - Coated & Paved - 16 gauge	LF	\$38.00
313001	21" x 15" ALCM Pipe Arch - Coated & Paved - 16 gauge	LF	\$46.00
313100	28" x 20" ALCM Pipe Arch - Coated & Paved - 14 gauge	LF	\$64.00
313101	35" x 24" ALCM Pipe Arch - Coated & Paved - 14 gauge	LF	\$79.00
313200	42" x 29" ALCM Pipe Arch - Coated & Paved - 12 gauge	LF	\$127.00
313201	49" x 33" ALCM Pipe Arch - Coated & Paved - 12 gauge	LF	\$145.00
313202	57" x 38" ALCM Pipe Arch - Coated & Paved - 12 gauge	LF	\$169.00
314000	8" BCMP Galvanized - 16 gauge	LF	\$15.00
314001	10" BCMP Galvanized - 16 gauge	LF	\$19.00
314002	12" BCMP Galvanized - 16 gauge	LF	\$24.00
314003	15" BCMP Galvanized - 16 gauge	LF	\$29.00
314004	18" BCMP Galvanized - 16 gauge	LF	\$34.00
314100	24" BCMP Galvanized - 14 gauge	LF	\$53.00
314101	30" BCMP Galvanized - 14 gauge	LF	\$64.00
214200	36" BCMP Galvanized - 12 gauge	LF	\$100.00
214201	48" BCMP Galvanized - 12 gauge	LF	\$130.00
314300	60" BCMP Galvanized - 10 gauge	LF	\$193.00
314400	72" BCMP Galvanized - 8 gauge	LF	\$302.00
315000	8" BCMP Aluminized - 16 gauge	LF	\$15.00
315001	10" BCMP Aluminized - 16 gauge	LF	\$19.00
315002	12" BCMP Aluminized - 16 gauge	LF	\$24.00
315003	15" BCMP Aluminized - 16 gauge	LF	\$29.00
315004	18" BCMP Aluminized - 16 gauge	LF	\$34.00
315100	24" BCMP Aluminized - 14 gauge	LF	\$53.00
315101	30" BCMP Aluminized - 14 gauge	LF	\$64.00
315200	36" BCMP Aluminized - 12 gauge	LF	\$100.00
315201	48" BCMP Aluminized - 12 gauge	LF	\$130.00
315300	60" BCMP Aluminized - 10 gauge	LF	\$193.00
315400	72" BCMP Aluminized - 8 gauge	LF	\$302.00
320000	Standard A Headwall - 12" Pipe	EA	\$1,000.00
320001	Standard A Headwall - 15" Pipe	EA	\$1,250.00
320002	Standard A Headwall - 18" Pipe	EA	\$1,400.00
320003	Standard A Headwall - 21" Pipe	EA	\$1,500.00
320004	Standard A Headwall - 24" Pipe	EA	\$1,600.00
320005	Standard A Headwall - 27" Pipe	EA	\$1,700.00
320006	Standard A headwall - 30" Pipe	EA	\$2,400.00
320007	Standard A headwall - 33" Pipe	EA	\$3,125.00
320008	Standard A Headwall - 36" Pipe	EA	\$2,600.00
320009	Standard A Headwall - 42" Pipe	EA	\$3,200.00
320010	Standard A Headwall - 48" Pipe	EA	\$4,200.00

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
**APPROVED UNIT PRICES AND ITEM CODES**  
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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
320011	Standard A Headwall - 54" Pipe	EA	\$5,400.00
320012	Standard A Headwall - 60" Pipe	EA	\$6,600.00
320013	Standard A Headwall - 66" Pipe	EA	\$7,600.00
320014	Standard A Headwall - 72" Pipe	EA	\$9,200.00
321000	Standard C Endwall - 12" Pipe	EA	\$500.00
321001	Standard C Endwall - 15" Pipe	EA	\$700.00
321002	Standard C Endwall - 18" Pipe	EA	\$800.00
321003	Standard C Endwall - 21" Pipe	EA	\$1,100.00
321004	Standard C Endwall - 24" Pipe	EA	\$1,300.00
321005	Standard C Endwall - 27" Pipe	EA	\$1,600.00
321006	Standard C Endwall - 30" Pipe	EA	\$1,800.00
321007	Standard C Endwall - 33" Pipe	EA	\$2,700.00
321008	Standard C Endwall - 36" Pipe	EA	\$3,500.00
321009	Standard C Endwall - 42" Pipe	EA	\$4,300.00
321010	Standard C Endwall - 48" Pipe	EA	\$5,100.00
321011	Standard C Endwall - 54" Pipe	EA	\$6,400.00
321012	Standard C Endwall - 60" Pipe	EA	\$7,400.00
322000	Standard C Headwall - 17" x 13" CMPA	EA	\$500.00
322001	Standard C Headwall - 21" x 15" CMPA	EA	\$700.00
322002	Standard C Headwall - 24" x 18" CMPA	EA	\$800.00
322003	Standard C Headwall - 28" x 20" CMPA	EA	\$900.00
322004	Standard C Headwall - 35" x 24" CMPA	EA	\$1,500.00
322005	Standard C Headwall - 42" x 29" CMPA	EA	\$1,600.00
322006	Standard C Headwall - 49" x 33" CMPA	EA	\$3,600.00
322007	Standard C Headwall - 57" x 38" CMPA	EA	\$3,500.00
322008	Standard C Headwall - 64" x 43" CMPA	EA	\$4,900.00
322009	Standard C Headwall - 71" x 47" CMPA	EA	\$5,000.00
323000	Standard E Headwall - 12" Pipe	EA	\$700.00
323001	Standard E Headwall - 15" Pipe	EA	\$800.00
323002	Standard E Headwall - 18" Pipe	EA	\$1,000.00
323003	Standard E Headwall - 21" Pipe	EA	\$1,300.00
323004	Standard E Headwall - 24" Pipe	EA	\$1,500.00
323005	Standard E Headwall - 27" Pipe	EA	\$1,900.00
323006	Standard E Headwall - 30" Pipe	EA	\$2,200.00
323007	Standard E Headwall - 33" Pipe	EA	\$3,300.00
323008	Standard E Headwall - 36" Pipe	EA	\$4,200.00
323009	Standard E Headwall - 42" Pipe	EA	\$5,200.00
323010	Standard E Headwall - 48" Pipe	EA	\$6,200.00
323011	Standard E Headwall - 54" Pipe	EA	\$7,600.00
323012	Standard E Headwall - 60" Pipe	EA	\$8,900.00
324000	Standard E Headwall - 13" x 11" CMPA	EA	\$590.00
324001	Standard E Headwall - 17" x 13" CMPA	EA	\$600.00
324002	Standard E Headwall - 21" x 15" CMPA	EA	\$1,100.00
324003	Standard E Headwall - 24" x 18" CMPA	EA	\$1,200.00
324004	Standard E Headwall - 28" x 20" CMPA	EA	\$1,300.00
324005	Standard E Headwall - 35" x 24" CMPA	EA	\$2,000.00
324006	Standard E Headwall - 42" x 29" CMPA	EA	\$2,100.00
324007	Standard E Headwall - 49" x 33" CMPA	EA	\$4,700.00
324008	Standard E Headwall - 57" x 38" CMPA	EA	\$4,800.00
324009	Standard E Headwall - 64" x 43" CMPA	EA	\$6,600.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
324010	Standard E Headwall - 71" x 47" CMPA	EA	\$6,700.00
325000	Standard O Headwall - 18" Pipe	EA	\$800.00
325001	Standard O Headwall - 21" Pipe	EA	\$1,000.00
325002	Standard O Headwall - 24" Pipe	EA	\$1,200.00
325003	Standard O Headwall - 27" Pipe	EA	\$1,300.00
325004	Standard O Headwall - 30" Pipe	EA	\$1,500.00
325005	Standard O Headwall - 36" Pipe	EA	\$2,200.00
325006	Standard O Headwall - 42" Pipe	EA	\$2,800.00
325007	Standard O Headwall - 48" Pipe	EA	\$3,500.00
325008	Standard O Headwall - 54" Pipe	EA	\$4,100.00
325009	Standard O Headwall - 60" Pipe	EA	\$5,000.00
325010	Standard O Headwall - 66" Pipe	EA	\$5,800.00
325011	Standard O Headwall - 72" Pipe	EA	\$6,800.00
326000	Standard O Headwall - 14" x 23" HERCCP	EA	\$700.00
326001	Standard O Headwall - 19" x 30" HERCCP	EA	\$1,000.00
326002	Standard O Headwall - 22" x 34" HERCCP	EA	\$1,200.00
326003	Standard O Headwall - 24" x 38" HERCCP	EA	\$1,400.00
326004	Standard O headwall - 27" x 42" HERCCP	EA	\$1,600.00
326005	Standard O Headwall - 29" x 45" HERCCP	EA	\$1,800.00
326006	Standard O Headwall - 34" x 53" HERCCP	EA	\$2,300.00
326007	Standard O Headwall - 38" x 60" HERCCP	EA	\$2,800.00
326008	Standard O Headwall - 43" x 68" HERCCP	EA	\$3,500.00
330000	12" HDPE End Section	EA	\$315.00
330001	15" HDPE End Section	EA	\$355.00
330002	18" HDPE End Section	EA	\$405.00
330003	24" HDPE End Section	EA	\$470.00
330004	30" HDPE End Section	EA	\$770.00
330005	36" HDPE End Section	EA	\$1,065.00
330006	39" HDPE End Section	EA	\$1,250.00
340000	Concrete End Section 12" RCCP	EA	\$325.00
340001	Concrete End Section 15" RCCP	EA	\$375.00
340002	Concrete End Section 18" RCCP	EA	\$400.00
340003	Concrete End Section 21" RCCP	EA	\$440.00
340004	Concrete End Section 24" RCCP	EA	\$530.00
340005	Concrete End Section 27" RCCP	EA	\$600.00
340006	Concrete End Section 30" RCCP	EA	\$700.00
340007	Concrete End Section 33" RCCP	EA	\$975.00
340008	Concrete End Section 36" RCCP	EA	\$1,000.00
340009	Concrete End Section 42" RCCP	EA	\$1,300.00
340010	Concrete End Section 48" RCCP	EA	\$1,700.00
340011	Concrete End Section 54" RCCP	EA	\$1,900.00
340012	Concrete End Section 60" RCCP	EA	\$2,300.00
340013	Concrete End Section 66" RCCP	EA	\$2,800.00
340014	Concrete End Section 72" RCCP	EA	\$3,200.00
341000	Concrete End Section - 14" x 23" HERCCP	EA	\$350.00
341001	Concrete End Section - 19" x 30" HERCCP	EA	\$450.00
341002	Concrete End Section - 22" x 34" HERCCP	EA	\$500.00
341003	Concrete End Section - 24" x 38" HERCCP	EA	\$550.00
341004	Concrete End Section - 27" x 42" HERCCP	EA	\$850.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
341005	Concrete End Section - 29" x 45" HERCCP	EA	\$1,200.00
341006	Concrete End Section - 32" x 49" HERCCP	EA	\$1,300.00
341007	Concrete End Section - 34" x 53" HERCCP	EA	\$1,400.00
341008	Concrete End Section - 38" x 60" HERCCP	EA	\$1,700.00
341009	Concrete End Section - 43" x 68" HERCCP	EA	\$2,100.00
341010	Concrete End Section - 48" x 76" HERCCP	EA	\$2,500.00
350000	End Section 12" CMP	EA	\$290.00
350001	End Section 15" CMP	EA	\$375.00
350002	End Section 18" CMP	EA	\$405.00
350003	End Section 21" CMP	EA	\$430.00
350004	End Section 24" CMP	EA	\$475.00
350005	End Section 27" CMP	EA	\$550.00
350006	End Section 30" CMP	EA	\$625.00
350007	End Section 33" CMP	EA	\$740.00
350008	End Section 36" CMP	EA	\$1,100.00
350009	End Section 42" CMP	EA	\$1,300.00
350010	End Section 48" CMP	EA	\$1,600.00
350011	End Section 54" CMP	EA	\$2,000.00
350012	End Section 60" CMP	EA	\$2,300.00
350013	End Section 66" CMP	EA	\$2,400.00
350014	End Section 72" CMP	EA	\$2,500.00
350015	End Section 78" CMP	EA	\$3,200.00
350016	End Section 84" CMP	EA	\$3,800.00
351000	End Section 17" x 13" CMPA	EA	\$150.00
351001	End Section 21" x 15" CMPA	EA	\$200.00
351002	End Section 24" x 18" CMPA	EA	\$145.00
351003	End Section 28" x 20" CMPA	EA	\$325.00
351004	End Section 35" x 24" CMPA	EA	\$405.00
351005	End Section 42" x 29" CMPA	EA	\$525.00
351006	End Section 49" x 33" CMPA	EA	\$625.00
351007	End Section 57" x 38" CMPA	EA	\$700.00
351008	End Section 64" x 43" CMPA	EA	\$750.00
351009	End Section 71" x 47" CMPA	EA	\$825.00
351010	End Section 77" x 52" CMPA	EA	\$875.00
351011	End Section 83" x 57" CMPA	EA	\$950.00
360000	Single WR Inlet	EA	\$1,750.00
360001	Single WR Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
360002	Standard WR Inlet	EA	\$2,450.00
360003	Standard WR Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
360004	Precast Single WR Inlet	EA	\$1,700.00
360005	Precast Single WR Inlet - Vertical Depth Exceeds 4 ft.	VF	\$250.00
360006	Precast WR Inlet	EA	\$3,100.00
360007	Precast WR Inlet - Vertical Depth Exceeds 4 ft.	VF	\$175.00
360008	Precast NR Inlet	EA	\$1,750.00
360009	Precast NR Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
360010	Standard WRM Inlet	EA	\$3,750.00
360011	Standard WRM Inlet - Vertical Depth Exceeds 4 ft.	VF	\$200.00
361000	Standard 5' COG Inlet	EA	\$2,750.00
361001	Standard 5' COG - Vertical Depth Exceeds 6 ft.	VF	\$210.00
361002	Standard 10' COG Inlet	EA	\$4,125.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
361003	Standard 10' COG - Vertical Depth Exceeds 6 ft.	VF	\$220.00
361004	Standard 15' COG Inlet	EA	\$5,500.00
361005	Standard 15' COG - Vertical Depth Exceeds 6 ft.	VF	\$250.00
361006	Standard 20' COG Inlet	EA	\$6,200.00
361007	Standard 20' COG - Vertical Depth Exceeds 6 ft.	VF	\$250.00
362000	Standard 5' COS Inlet	EA	\$2,750.00
362001	Standard 5' COS - Vertical Depth Exceeds 6 ft.	VF	\$210.00
362002	Standard 10' COS Inlet	EA	\$4,125.00
362003	Standard 10' COS - Vertical Depth Exceeds 6 ft.	VF	\$220.00
362004	Standard 15' COS Inlet	EA	\$5,500.00
362005	Standard 15' COS - Vertical Depth Exceeds 6 ft.	VF	\$250.00
362006	Standard 20' COS Inlet	EA	\$6,200.00
362007	Standard 20' COS - Vertical Depth Exceeds 6 ft.	VF	\$250.00
363000	A-5	EA	\$2,300.00
363001	Precast Standard A-5 Inlet	EA	\$1,900.00
363002	A-10	EA	\$3,600.00
363003	Precast Standard A-10 Inlet	EA	\$3,200.00
364000	Type "C" Inlet	EA	\$2,750.00
364001	Type "C" Inlet - Vertical Depth Exceeds 4 ft.	VF	\$210.00
364002	Type "D" Inlet	EA	\$1,750.00
364003	Type "D" Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
364004	Precast Standard Type "D" Inlet	EA	\$1,150.00
364005	Type "E" Inlet	EA	\$3,000.00
364006	Type "E" Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
364007	Type "E" Combination Inlet	EA	\$3,750.00
364008	Type "E" Combination Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
364009	Type "J" Inlet	EA	\$2,400.00
364010	Type "J" Inlet - Vertical Depth Exceeds 4 ft.	VF	\$310.00
364011	Type "K" Inlet	EA	\$2,200.00
364012	Type "K" Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
364013	Type "S" Combination Inlet	EA	\$1,900.00
364014	Type "S" Combination Inlet - Vertical Depth Exceeds 4 ft.	VF	\$160.00
364015	Type Single - "S"	EA	\$2,600.00
364016	Type Single "S" - Vertical Depth Exceeds 4 ft.	VF	\$160.00
364017	Type Double - "S"	EA	\$3,200.00
364018	Type Double "S" - Vertical Depth Exceeds 4 ft.	VF	\$190.00
364019	Double Type "S" Combination Inlet (Parallel to Curb)	EA	\$2,300.00
364020	Double Type "S" Combination Inlet (Normal to Curb)	EA	\$2,300.00
364021	Double Type "S" Combination - Vertical Depth Exceeds 4 ft.	VF	\$190.00
364022	Yard Inlet	EA	\$1,800.00
364023	Yard Inlet - Vertical Depth Exceeds 4 ft.	VF	\$230.00
364024	Precast Open End Grate	EA	\$1,250.00
365000	Adjust Existing Inlet	EA	\$600.00
365001	Reconstruct Existing Inlet	EA	\$2,000.00
370000	Field Connection - 15" to 27"	EA	\$325.00
370001	Field Connection - 15" to 30"	EA	\$350.00
370002	Field Connection - 15" to 33"	EA	\$375.00
370003	Field Connection - 15" to 36"	EA	\$400.00
370004	Field Connection - 15" to 42"	EA	\$450.00

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
**APPROVED UNIT PRICES AND ITEM CODES**  
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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
370005	Field Connection - 15" to 48"	EA	\$500.00
370006	Field Connection - 15" to 54"	EA	\$550.00
370007	Field Connection - 15" to 60"	EA	\$600.00
370008	Field Connection - 18" to 60"	EA	\$650.00
370009	Field Connection - 24" to 60"	EA	\$700.00
370010	Field Connection - 27" to 60"	EA	\$750.00
370011	Field Connection - 30" to 48"	EA	\$750.00
370012	Field Connection - 30" to 60"	EA	\$750.00
380000	Type A-Manhole - (Brick) 4' Diameter	EA	\$2,600.00
380001	Type A-Manhole - (Brick) 5' Diameter	EA	\$2,800.00
380002	Type A-Manhole - (Brick) 6' Diameter	EA	\$3,600.00
380003	Type A-Manhole - (Brick) 4' Diameter Offset	EA	\$3,200.00
380004	Type B-Manhole (Shallow Brick) - 4' Diameter	EA	\$2,300.00
380005	Type C-Manhole (Precast) - 4' Diameter (12" - 24" Pipes)	EA	\$2,000.00
380006	Type C-Manhole (Precast) - 4' Diameter - Vertical Depth Exceeds 8'	VF	\$150.00
380007	Type C-Manhole (Precast) - 5' Diameter (27" - 36" Pipes)	EA	\$3,300.00
380008	Type C-Manhole (Precast) - 5' Diameter - Vertical Depth Exceeds 8'	VF	\$200.00
380009	Type C-Manhole (Precast) - 6' Diameter (42" - 48" Pipes)	EA	\$5,000.00
380010	Type C-Manhole (Precast) - 6' Diameter - Vertical Depth Exceeds 8'	VF	\$300.00
380011	Type C-Manhole (Precast) - 7' Diameter (54" - 60" Pipes)	EA	\$7,200.00
380012	Type C-Manhole (Precast) - 7' Diameter - Vertical Depth Exceeds 8'	VF	\$400.00
380013	Type C-Manhole (Precast) - 8' Diameter (72" - 84" Pipes)	EA	\$9,375.00
380014	Type C-Manhole (Precast) - 8' Diameter - Vertical Depth Exceeds 8'	VF	\$500.00
380015	Type C-Manhole (Precast) - 10' Diameter (90" - 96" Pipes)	EA	\$12,500.00
380016	Type C-Manhole (Precast) - 10' Diameter - Vertical Depth Exceeds 8'	VF	\$600.00
380017	Type C-Manhole (Precast Shallow) - 4' Diameter	EA	\$2,600.00
380018	Type C-Manhole (Precast Shallow) - 5' Diameter	EA	\$3,200.00
380019	Manhole Cover	EA	\$1,000.00
380020	Manhole Steps	EA	\$25.00
390000	Subgrade Trench Drains	LF	\$9.00
391000	4" Perforated Circular Pipe Underdrain	LF	\$6.50
391001	6" Perforated Circular Pipe Longitudinal Underdrain	LF	\$7.50
391002	6" Perforated Circular Pipe Underdrain	LF	\$9.00
391003	8" Perforated Circular Pipe Underdrain	LF	\$10.00
391004	4" Circular Pipe Underdrain Outlets	LF	\$9.00
391005	6" Circular Pipe Underdrain Outlets	LF	\$12.50
391006	8" Circular Pipe Underdrain Outlets	LF	\$21.50
391007	Aggregate Backfill for Underdrains	CY	\$28.00
391008	Geotextile for Underdrains	SY	\$5.00
392000	4" PVC Pipe Schedule 80	LF	\$12.50
392001	6" PVC Pipe Schedule 80	LF	\$25.00
392002	4" Perforated PVC Pipe Schedule 80	LF	\$15.00
392003	6" Perforated PVC Pipe Schedule 80	LF	\$45.00
<b>SEDIMENT &amp; EROSION CONTROL</b>			
393000	Temporary Slope Drain - 12" Pipe	LF	\$14.00
393001	Temporary Slope Drain - 18" Pipe	LF	\$18.00
393002	Temporary Slope Drain - 24" Pipe	LF	\$32.00
393003	Temporary Slope Drain - 30" Pipe	LF	\$45.00
393004	Remove & Reset Temporary Slope Drain - 12" Pipe	LF	\$9.00

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**APPROVED UNIT PRICES AND ITEM CODES**  
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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
393005	Remove & Reset Temporary Slope Drain - 18" Pipe	LF	\$8.00
393006	Remove & Reset Temporary Slope Drain - 24" Pipe	LF	\$6.00
393007	Remove & Reset Temporary Slope Drain - 30" Pipe	LF	\$5.00
393008	Erosion & Sediment Control Original Excavation	CY	\$9.00
393009	Erosion & Sediment Control Cleanout Excavation	CY	\$7.00
393010	Earth Dike	LF	\$4.00
393011	Perimeter Dike/Swale	LF	\$4.00
393012	Inlet Protection	EA	\$200.00
393013	Diversion Dike	LF	\$4.00
393014	Straw Bales	LF	\$4.00
393015	Placed Rip-Rap for Sediment Control	TON	\$40.00
<b>STORM DRAIN OUTFALL STABILIZATION</b>			
400000	Gabions - 6' x 3' x 1' Basket (Stone, Basket, Filter Cloth)	EA	\$180.00
400001	Gabions - 6' x 3' x 1.5' Basket (Stone, Basket, Filter Cloth)	EA	\$240.00
400002	Gabions - 6' x 3' x 3' Basket (Stone, Basket, Filter Cloth)	EA	\$360.00
400003	Gabions - 9' x 3' x 3' Basket (Stone, Basket, Filter Cloth)	EA	\$460.00
400004	Gabions - 9' x 6' x .75' Basket (Stone, Basket, Filter Cloth)	EA	\$360.00
400005	Gabions - 12' x 3' x 1' Basket (Stone, Basket, Filter Cloth)	EA	\$310.00
400006	Gabions - 12' x 3' x 3' Basket (Stone, Basket, Filter Cloth)	EA	\$680.00
400007	Gabions - 12' x 6' x .75' Basket (Stone, Basket, Filter Cloth)	EA	\$450.00
400100	MSHA Class 0 Ungrouted Rip-rap	SY	\$60.00
400101	MSHA Class 1 Ungrouted Rip-rap	SY	\$90.00
400102	MSHA Class 2 Ungrouted Rip-rap	SY	\$100.00
400103	MSHA Class 3 Ungrouted Rip-rap	SY	\$120.00
400200	No. 2 Stone (3/4" - 1-1/2")	CY	\$40.00
400300	Geotextile Class "C" - Filter Cloth or Blanket	SY	\$9.00
400301	Geotextile Class "F" - Slope Silt Fence	LF	\$1.50
400302	Geotextile Class "F" - Channel Silt Fence	LF	\$2.00
400303	Remove & Reset Geotextile Class "F" Silt Fence	LF	\$1.50
400304	Super Silt Fence	LF	\$8.00
400305	Orange Safety Fence	LF	\$3.00
<b>RETAINING &amp; NOISE WALLS</b>			
450000	Concrete Retaining Wall - 6' high, 33 deg. surcharge	LF	\$400.00
450001	Concrete Retaining Wall - 8' high, 33 deg. surcharge	LF	\$500.00
450002	Concrete Retaining Wall - 10' high, 33 deg. surcharge	LF	\$600.00
450003	Concrete Retaining Wall - 20' high, 500 lbs. per LF surcharge	LF	\$1,600.00
450100	CMU Retaining Wall (6" Thick - Reinforced, Excluding Footing)	SF	\$7.00
450101	CMU Retaining Wall (8" Thick - Reinforced, Excluding Footing)	SF	\$8.00
450102	CMU Retaining Wall (10" Thick - Reinforced, Excluding Footing)	SF	\$10.00
450103	CMU Retaining Wall (12" Thick - Reinforced, Excluding Footing)	SF	\$11.00
450200	Timber Retaining Wall - 3' high	LF	\$45.00
450300	GeoGrid Block Retaining Walls (Excluding Footing)	SF	\$20.00
450400	Noise Barrier System Height Up To 24'	SF	\$14.00
450401	Wooden Noise Wall Height Up To 8'	SF	\$12.50

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
<b>STREET CONSTRUCTION &amp; PAVEMENT MARKINGS</b>			
500000	Gravel Base Course Graded Aggregate (GAB)	IN/SY	\$2.00
500001	CR-6 Base Course	IN/SY	\$1.50
500002	2" Sawcut	LF	\$4.00
500003	Full Depth Sawcut	LF	\$6.00
500004	Mill Existing Asphalt - 0" to 2" Deep	SY	\$10.00
500005	Rubberized Crack Sealer	GAL	\$28.00
500006	HMA SuperPave Final Surface	IN/SY	\$4.00
500007	HMA SuperPave Intermediate	IN/SY	\$3.50
500008	HMA SuperPave Base	IN/SY	\$3.25
500009	Chip Seal Double Surface Treatment	IN/SY	\$2.00
500100	P-1 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$29.50
500101	P-2 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$32.00
500102	P-3 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$39.25
500103	P-4 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$54.00
500104	P-5 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$56.50
500105	P-6 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$63.75
500106	P-7 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$36.50
500107	P-8 Paving Section - CBR 3 to <5 (Min. HMA w/ GAB)	SY	\$31.00
500200	P-1 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$26.50
500201	P-2 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$24.00
500202	P-3 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$31.25
500203	P-4 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$42.00
500204	P-5 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$44.50
500205	P-6 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$49.75
500206	P-7 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$32.50
500207	P-8 Paving Section - CBR 5 to <7 (Min. HMA w/ GAB)	SY	\$28.00
500300	P-1 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$22.50
500301	P-2 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$20.00
500302	P-3 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$25.25
500303	P-4 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$32.75
500304	P-5 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$42.50
500305	P-6 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$45.75
500306	P-7 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$29.50
500307	P-8 Paving Section - CBR ≥ 7 (Min. HMA w/ GAB)	SY	\$23.00
500400	P-1 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$25.38
500401	P-2 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$28.88
500402	P-3 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$36.13
500403	P-4 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$46.50
500404	P-5 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$53.75
500405	P-6 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$58.63
500406	P-8 Paving Section - CBR 3 to <5 (Min. HMA with Constant GAB)	SY	\$20.00
500500	P-1 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$23.75
500501	P-2 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$24.00
500502	P-3 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$31.25
500503	P-4 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$43.25
500504	P-5 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$47.25
500505	P-6 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$52.13
500506	P-8 Paving Section - CBR 5 to <7 (Min. HMA with Constant GAB)	SY	\$26.00

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
500600	P-1 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$22.13
500601	P-2 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$24.00
500602	P-3 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$28.00
500603	P-4 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$36.75
500604	P-5 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$44.00
500605	P-6 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$47.25
500606	P-8 Paving Section - CBR ≥ 7 (Min. HMA with Constant GAB)	SY	\$26.00
500700	Concrete Pavement	IN/SY	\$10.00
501000	HMA - Bituminous Curb	LF	\$6.00
501001	Standard Barrier Curb	LF	\$17.00
501002	Concrete Curb & Gutter Transition	LF	\$25.00
501003	Concrete Curb & Gutter	LF	\$14.00
501004	Modified Curb & Gutter	LF	\$14.00
501005	Precast Concrete Wheel Stops - Fixed	EA	\$45.00
501006	Monolithic Concrete Median	SF	\$49.00
502000	Concrete Sidewalk - 4" Thick	SY	\$32.00
502001	Monolithic Concrete Curb & Sidewalk	SY	\$45.00
502002	Brick Pavers	SF	\$15.00
502003	Macadam Path or Sidewalk	IN/SY	\$5.50
502100	Sidewalk Ramp Type "A"	EA	\$575.00
502101	Sidewalk Ramp Type "B"	EA	\$925.00
502102	Sidewalk Ramp Type "C"	EA	\$575.00
502200	Residential Driveway w/Sidewalk Setback from Curb	EA	\$950.00
502201	Residential Driveway w/Sidewalk Adjacent to Curb	EA	\$950.00
502202	Residential Driveway w/Modified Curb	EA	\$950.00
502203	Residential Driveway w/Bit. Curb & Sidewalk	EA	\$625.00
502204	Residential Driveway w/o Sidewalk	EA	\$625.00
502205	Residential Driveway, Open Section Road	EA	\$325.00
502206	Commercial Driveway on Closed Section Road	EA	\$4,400.00
502207	Commercial Driveway on Open Section Road	EA	\$4,400.00
502208	Commercial Driveway - High Volume	EA	\$4,400.00
503000	Guard Rail W Beam	LF	\$17.50
503001	Dead End Type "A" Barricade	LF	\$30.00
503002	Dead End Type "C" Barricade	LF	\$40.00
503003	Guard Rail w/Beam Anchor	LF	\$22.00
503004	Type 1 - End Flare	EA	\$625.00
503005	Type 2 - End Flare	EA	\$675.00
503006	Guard Rail Remove & Reset	LF	\$17.00
503007	Guard Rail Removal and Disposal	LF	\$7.25
504000	Chain Link Fence - 6'	LF	\$20.00
504001	Chain Link Fence - 8'	LF	\$25.00
504002	Terminal Post 6' Chain Link fence	EA	\$12.50
504003	Terminal Post 8' Chain Link Fence	EA	\$18.75
504004	Gate - 6' for 6' Chain Link Fence	EA	\$140.00
504005	Gate - 12' for 6' Chain Link Fence	EA	\$275.00
504006	Gate - 12' for 8' Chain Link Fence	EA	\$325.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
504007	Chain Link Fence Remove & Reset	LF	\$12.50
504008	Chain Link Fence Removal and Disposal	LF	\$2.00
504009	Wood Stock Fence	LF	\$16.50
504010	Wood Fence Removal and Disposal	LF	\$2.00
<b>FINE GRADING AND LANDSCAPING</b>			
505000	Placing Salvaged Topsoil (2" depth)	SY	\$2.75
505001	Top Soil - Furnished & Placed (2" depth)	SY	\$3.25
505002	Temporary Seeding & Mulching	SY	\$0.40
505003	Straw Mulching	SY	\$0.25
505004	Solid Sodding	SY	\$3.00
505005	Seeding	SY	\$0.40
505006	Seeding & Mulching	SY	\$0.80
505007	Soil Stabilization Matting (Miramat, Curlex, etc.)	SY	\$2.75
506000	Selective Tree Trimming	EA	\$120.00
506001	Street Trees	EA	\$375.00
506002	Furnish & Plant Acer Rubrum (Red Maple) - 2" C BB	EA	\$190.00
506003	Furnish & Plant Crataegus (Flowering Hawthorne) - 2" C BB	EA	\$190.00
506004	Furnish & Plant Gleditsia Triacanthos Inermis (Thorny Honey Locust) - 2" C BB	EA	\$190.00
506005	Furnish & Plant Quercus Palustris (Pin Oak) - 2" C BB	EA	\$190.00
<b>SIGNAGE</b>			
750000	Install New Signs Supplied by County	SF	\$10.00
750001	Stop signs	EA	\$110.00
750002	Street Signs	EA	\$125.00
<b>RAILROAD TRACK INSTALLATION</b>			
760000	Railroad Ties	LF	\$30.00
760001	Railroad Track Installation	LF	\$105.00
<b>UTILITY ADJUSTMENTS &amp; HANDRAILS</b>			
770000	Adjust Existing Utility Appurtenances to Finished Grade - LT 12" Circ.	EA	\$170.00
770001	Adjust Existing Utility Appurtenances to Finished Grade - 12" to 29" Circ.	EA	\$250.00
770002	Adjust Existing Utility Appurtenances to Finished Grade - GT 29" Circ.	EA	\$340.00
770003	Galvanized Handrails (3 rails)	LF	\$37.50
770004	Wood Handrails (3 rails)	LF	\$25.00
<b>STORMWATER MANAGEMENT FACILITIES</b>			
800000	Corrugated Metal Riser Structure	EA	\$3,750.00
800001	Corrugated Metal Trash Rack for CM Riser	EA	\$2,250.00
800002	Corrugated Metal Anti-Seep Collar	EA	\$750.00
800100	Reinforced Concrete Riser Structure	CY	\$825.00
800101	A-2 Concrete Cradle	CY	\$825.00
800102	Reinforced Concrete Anti-Seep Collar	CY	\$825.00
800103	Sand Filter Diaphragm	CY	\$33.25
800104	Reinforced Concrete	CY	\$825.00
800200	Rock Vane	EA	\$5,500.00
800201	Log Vane	EA	\$2,100.00
800202	Flush Cut	EA	\$900.00
800203	Root Wad Revetment	EA	\$2,400.00
800204	Rock J-Hook Vane	EA	\$6,100.00

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING  
APPROVED UNIT PRICES AND ITEM CODES**

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
800205	Rock Cross Vane	EA	\$6,800.00
800206	Boulder Bank Stabilization	LF	\$100.00
800207	Live Stakes	EA	\$4.00
800208	Live Branch Layering	LF	\$15.00
800209	Coir Fiber Erosion Control Matting	SY	\$5.00
800210	Stream Diversion and Dewatering	LS	\$50,000.00
800300	Sand (washed) for Bioretention	CY	\$30.00
800301	Pea Gravel (washed) for Bioretention	CY	\$30.00
800302	Planting Soil for Bioretention	CY	\$25.00
800303	Mulch for Bioretention	CY	\$28.00
800304	Trees for Bioretention	EA	\$300.00
800305	Shrubs for Bioretention	EA	\$150.00
800306	Grasses for Bioretention	SY	\$1.00
800400	Rain Garden (complete)	EA	\$6,500.00
800401	Infiltration Trench (Stone Only)	CY	\$60.00
800500	Clay Backfill for Core Trench	CY	\$20.00
<b>UNDERGROUND UTILITIES</b>			
<b>Boring &amp; Jacking</b>			
820000	Boring & Jacking Water	LF	\$263.00
820001	Boring & Jacking Sewer	LF	\$488.00
820002	36" Steel Casing Pipe (Boring/Jacking)	LF	\$125.00
<b>Water</b>			
820100	4" DIP	LF	\$50.00
820101	6" DIP	LF	\$56.00
820102	8" DIP	LF	\$60.00
820103	12" DIP	LF	\$76.00
820104	16" DIP	LF	\$80.00
820110	4" C-900 PVC	LF	\$26.00
820111	6" C-900 PVC	LF	\$30.00
820112	8" C-900 PVC	LF	\$36.00
820113	10" C-900 PVC	LF	\$46.00
820114	12" C-900 PVC	LF	\$52.00
820120	3/4" Copper WHC	LF	\$30.00
820121	1" Copper WHC	LF	\$31.00
820122	1-1/2" Copper WHC	LF	\$35.00
820123	2" Copper WHC	LF	\$36.00
820124	3" PVC Schedule 40 WHC	LF	\$40.00
820125	4" PVC Schedule 40 WHC	LF	\$44.00
820130	1-1/2" Drains	EA	\$1,000.00
820131	Blow off valve	EA	\$9,000.00
820132	Air Release valve & Vault	EA	\$5,700.00
820140	8" x 4" Tapping Sleeve & Valve	EA	\$1,500.00
820141	8" x 6" Tapping Sleeve & Valve	EA	\$1,875.00
820142	8" x 8" Tapping Sleeve & Valve	EA	\$3,125.00
820143	8" x 12" Tapping Sleeve & Valve	EA	\$6,250.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
820150	4" Gate Valve & Box	EA	\$600.00
820151	6" Gate Valve & Box	EA	\$700.00
820152	8" Gate Valve & Box	EA	\$800.00
820153	10" Gate Valve & Box	EA	\$1,000.00
820154	12" Gate Valve & Box	EA	\$1,200.00
820155	16" Gate Valve & Vault (Precast)	EA	\$6,000.00
820160	3/4" Meter Vault for outside metering	EA	\$438.00
820161	1" Meter Vault for outside metering	EA	\$500.00
820162	1-1/2" Meter Vault for outside metering	EA	\$625.00
820163	2" Meter Vault for outside metering	EA	\$1,063.00
820164	3" Meter Vault for outside metering	EA	\$3,750.00
820165	4" Meter Vault for outside metering	EA	\$4,375.00
820166	6" Meter Vault for outside metering	EA	\$8,750.00
820170	Fire Hydrants, FH Tee and Valve	EA	\$2,500.00
820171	Fire Suppression Tank (5,000 gal) and Concrete Slab	EA	\$6,850.00
820172	Removal of abandoned 6" or 8" water mains	LF	\$30.00
<b>Sewer</b>			
820200	4" PVC Schedule 40 (less than 12' deep)	LF	\$55.00
820201	6" PVC Schedule 40 (less than 12' deep)	LF	\$60.00
820202	8" PVC Schedule 40 (less than 12' deep)	LF	\$65.00
820203	10" PVC Schedule 40 (less than 12' deep)	LF	\$70.00
820204	12" PVC Schedule 40 (less than 12' deep)	LF	\$75.00
820205	8" PVC Schedule 40 (12' - 16' deep)	LF	\$69.00
820206	8" PVC Schedule 40 (greater than 16' deep)	LF	\$83.00
820210	8" DIP Sewer (all depths)	LF	\$75.00
820211	10" DIP Sewer (all depths)	LF	\$85.00
820212	12" DIP Sewer (all depths)	LF	\$95.00
820220	4" C-900 PVC Sewer Pipe	LF	\$70.00
820221	6" C-900 PVC Sewer Pipe	LF	\$75.00
820222	8" C-900 PVC Sewer Pipe	LF	\$80.00
820223	10" C-900 PVC Sewer Pipe	LF	\$90.00
820224	12" C-900 PVC Sewer Pipe	LF	\$93.00
820230	4' Sewer Manhole	EA	\$2,500.00
820231	Sewer Cleanouts	EA	\$1,000.00
820232	Type A Drop Connection	EA	\$1,060.00
820233	Type B Drop Connection	EA	\$1,185.00
820234	Oil/Grease Interceptors	EA	\$6,250.00
<b>Shared Septic Piping and Drain Fields</b>			
820300	1-1/4" SDP 11 PVC (Low Pressure Sewer)	LF	\$15.00
820301	1-1/2" SDP 11 PVC SHC (Low Pressure Sewer)	LF	\$20.00
820302	2" Sewer Force Main	LF	\$25.00
820303	4" Sewer Force Main	LF	\$35.00
820304	Drain Field Trenches, gravity, 4" PVC, 3' depth including tile	LF	\$8.00

**Pumps/Distribution System Controls/Buildings**

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
**APPROVED UNIT PRICES AND ITEM CODES**  
(County Council Resolution #            )  
Effective Date: 7/1/2009

ITEM CODE	DESCRIPTION	UNIT	UNIT COST
820310	Simplex Grinder Pump	EA	\$4,000.00
820311	Duplex Grinder Pump	EA	\$8,000.00
820312	Duplex Submersible Pumps	EA	\$8,000.00
820313	Flushing Connections	EA	\$1,500.00
820314	Concrete Settling Tank	EA	\$2,500.00
820315	Monitoring Well	EA	\$1,500.00
820316	Distribution Box	EA	\$1,000.00
820317	Electrical Controls and Telemetry	EA	\$15,000.00
820318	Blower/Distribution Pumpsets/Controls	EA	\$20,000.00
820319	Septic Tanks	Per 1000 Gal	\$1,500.00
820320	Treatment/Chemical/Storage Building	EA	\$30,000.00
<b>SIGNAGE &amp; ELECTRICAL WORK</b>			
870000	3/4" Electrical Conduit-PVC Schedule 80-Riser	LF	\$1.00
870001	3/4" Electrical Conduit-PVC Schedule 80-Pushed	LF	\$2.00
870002	3/4" Electrical Conduit-PVC Schedule 80-Trenched	LF	\$3.00
870003	3/4" Electrical Conduit-PVC Schedule 80-Slotted	LF	\$2.00
870004	3/4" Electrical Conduit-PVC Schedule 80-Elbow	EA	\$5.00
870005	1" Electrical Conduit-PVC Schedule 80-Riser	LF	\$2.50
870006	1" Electrical Conduit-PVC Schedule 80-Pushed	LF	\$5.00
870007	1" Electrical Conduit-PVC Schedule 80-Trenched	LF	\$2.00
870008	1" Electrical Conduit-PVC Schedule 80-Slotted	LF	\$5.00
870009	1" Electrical Conduit-PVC Schedule 80-Elbow	EA	\$7.50
870010	2" Electrical Conduit-PVC Schedule 80-Riser	LF	\$5.00
870011	2" Electrical Conduit-PVC Schedule 80-Pushed	LF	\$18.50
870012	2" Electrical Conduit-PVC Schedule 80-Trenched	LF	\$5.00
870013	2" Electrical Conduit-PVC Schedule 80-Slotted	LF	\$18.50
870014	2" Electrical Conduit-PVC Schedule 80-Elbow	EA	\$9.00
870015	3" Electrical Conduit-PVC Schedule 80-Riser	LF	\$10.00
870016	3" Electrical Conduit-PVC Schedule 80-Pushed	LF	\$20.00
870017	3" Electrical Conduit-PVC Schedule 80-Trenched	LF	\$6.50
870018	3" Electrical Conduit-PVC Schedule 80-Slotted	LF	\$7.00
870019	3" Electrical Conduit-PVC Schedule 80-Elbow	EA	\$15.00
870020	4" Electrical Conduit-PVC Schedule 80-Riser	LF	\$15.00
870021	4" Electrical Conduit-PVC Schedule 80-Pushed	LF	\$20.00
870022	4" Electrical Conduit-PVC Schedule 80-Trenched	LF	\$6.50
870023	4" Electrical Conduit-PVC Schedule 80-Slotted	LF	\$21.00
870024	4" Electrical Conduit-PVC Schedule 80-Elbow	EA	\$45.00
870200	2" U-guard	LF	\$11.00
870201	3" U-guard	LF	\$15.00
870202	Trenching & Backfill	LF	\$7.00
870203	Meter Socket	EA	\$50.00
870204	Disconnect Switch NEMA Type 3R-30 Amp	EA	\$135.00
870205	Disconnect Switch NEMA Type 3R-60 Amp	EA	\$150.00
870206	Disconnect Switch NEMA Type 4-30 Amp Stainless Steel	EA	\$1,100.00
870207	Disconnect Switch NEMA Type 4-60 Amp Stainless Steel	EA	\$1,200.00
870208	Ground Rod w/Clamp	EA	\$20.00
870209	Breakaway Connector Kit-Bussman #HEBAWRLC-J or Approved Equal	EA	\$50.00
870210	Install County Supplied Telemetry Cable-Self Supporting (Overhead)(Any Size)	LF	\$0.60
870211	Install County Supplied Telemetry Cable-Jelly Filled (Underground)(Up to 12 Pairs)	LF	\$0.60
870212	Install County Supplied Telemetry Cable-Jelly Filled (Underground)(Over 12 Pairs)	LF	\$1.10
870213	Install LDF4 Coaxial Cable	LF	\$0.50
870214	Install Opticom Detector Cable	LF	\$5.00

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ITEM CODE	DESCRIPTION	UNIT	UNIT COST
870215	Loop Wire - 14 THWN in 1/4" Flexible Tubing-For Loop Detector Work Independent of (	LF	\$1.00
870216	Loop Wire - 14 AWG THWN in 1/4" Flexible Tubing	LF	\$1.00
870217	Belden 8281 Coaxial Cable	LF	\$1.25
870218	Install County Supplied Video Camera Cable (Traficam)	LF	\$0.50
870219	Install County Supplied Autoscope Video Cable	LF	\$5.00
870300	Electrical Cable-1 Conductor-14 AWG Aluminum Shielded (Loop Lead in Wire)	LF	\$0.25
870301	Electrical Cable-2 Conductor-14 AWG Aluminum Shielded (Loop Lead in Wire)	LF	\$1.25
870302	Electrical Cable-2 Conductor-14 AWG-ISMA 19-1	LF	\$0.40
870303	Electrical Cable-3 Conductor-14 AWG-ISMA 19-1	LF	\$0.60
870304	Electrical Cable-5 Conductor-14 AWG-ISMA 19-1	LF	\$1.35
870305	Electrical Cable-7 Conductor-14 AWG-ISMA 19-1	LF	\$1.45
870306	Electrical Cable-10 Conductor-14 AWG-ISMA 19-1	LF	\$1.25
870307	Electrical Cable-15 Conductor-14 AWG-ISMA 19-1	LF	\$1.35
870308	Electrical Cable-20 Conductor-14 AWG-ISMA 19-1	LF	\$1.60
870309	Electrical Cable-2 Conductor-12 AWG Copper Type TC	LF	\$1.25
870310	Electrical Cable-2 Conductor-10 AWG Copper Type TC	LF	\$1.25
870311	Electrical Cable-1 Conductor-10 AWG-THWN Copper	LF	\$0.30
870312	Electrical Cable-1 Conductor-8 AWG-THWN Copper	LF	\$0.85
870313	Electrical Cable-1 Conductor-8 AWG-Solid Bare Copper	LF	\$0.55
870314	Electrical Cable-1 Conductor-6 AWG-Stranded Bare Copper	LF	\$0.65
870315	Electrical Cable-1 Conductor-6 AWG-THWN-Copper	LF	\$0.65
870316	Electrical Cable-1 Conductor-4 AWG-THWN-Copper	LF	\$0.70
870400	Ground mount sign supports	LF	\$15.00
870401	Install sign 0 to ≤ 5SF (Overhead Post)	EA	\$5.50
870402	Install sign > 5 SF to ≤ 25SF (Overhead Post)	EA	\$100.00
870403	Install sign > 25 SF to ≤ 50SF (Overhead Post)	EA	\$50.00
870404	Install sign > 50 SF to ≤ 100SF (Overhead Post)	EA	\$55.00
870410	Install Lighting Pole With Arm (Includes T-Base)	EA	\$350.00
870411	Install Lighting Arm on Strain Pole or Mast Arm Pole	EA	\$350.00
870412	Install Cobra Style Luminaire	EA	\$5.50
870413	Wood Pole - Class II (40')	EA	\$55.00
870414	Install Wood Pole	EA	\$11.00
870415	Install Strain Pole	EA	\$55.00
870416	Install Mast Arm Pole	EA	\$275.00
870417	Install Mast Arm	EA	\$275.00
870418	Install Pedestal Pole-Any Size-With Breakaway Base	EA	\$250.00
870419	Install Pedestal Pole-Any Size-on Existing Breakaway Base	EA	\$150.00
870420	Install 12' Washington Style Cast Iron Lamp Post	EA	\$2.25
870421	Install 14' Aluminum Pole with Solar or AC Powered Flashing School Zone Beacon/Sig	EA	\$220.00
870422	Up to 2" Weather Head	EA	\$10.00
870423	3" Weather Head	EA	\$45.00
870424	Fuenish & Install Elbow in Existing Concrete Base-Includes Concrete	EA	\$165.00
870425	Grout Existing/New Pole Base	EA	\$25.00
870426	3/8" Span Wire	LF	\$0.25
870427	1/4" Span Wire	LF	\$0.20
870428	Adjust Span or Tether	EA	\$0.80
870429	Bull Ring	EA	\$1.25
870430	Black Guy	EA	\$1.00
870431	Adjust Black Guy	EA	\$1.00
870432	Install Signal Head	EA	\$105.00
870433	Install Optically Programmed Signal Head	EA	\$3.50

**HOWARD COUNTY - DEPARTMENT OF PLANNING AND ZONING**  
**APPROVED UNIT PRICES AND ITEM CODES**  
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**Effective Date: 7/1/2009**

ITEM CODE	DESCRIPTION	UNIT	UNIT COST
870434	Install Pedestrian Signal Head	EA	\$94.00
870435	Install Pedestrian Pushbutton and Sign	EA	\$25.00
870436	Install Mast Arm Mounted Video Camera Detector w/County Supplied Astro-bracket Clamps	EA	\$225.00
870437	Photo Cell	EA	\$11.00
870438	Install Pole Mounted Radio Antenna w/County Supplied Astro Bracket Clamps	EA	\$72.00
870439	Install Opticom Detector w/County Supplied Astro Bracket Clamps	EA	\$50.00
870440	Install Flasher Cabinet	EA	\$55.00
870441	Install Terminal Cabinet (Splice Cabinet)	EA	\$28.00
870442	Install Control Cabinet-Base or Pole Mounted	EA	\$500.00
870443	Adjust Elevation of Existing Handbox-Frame and Cover	EA	\$50.00
870444	Traffic Signal Handbox (Pullbox)	EA	\$700.00
870445	Traffic Signal Handbox-Over Existing Conduits and Cable	EA	\$22.00
870446	Remove and Reinstall Existing Conduit Cable (Any Number)	LF	\$5.00
870447	Saw Cut 4-1/2" depth	LF	\$7.50
870448	Saw Cut 4-1/2" depth-For Loop Detector Work Independent of other Signal Work	LF	\$7.50
870449	Install Micro Loop Detector	EA	\$50.00
870500	Clean and Paint Strain Pole	EA	\$28.00
870501	Clean and Paint Pedestal Pole	EA	\$300.00
870502	Clean and Paint Mast Arm Pole	EA	\$350.00
870503	Clean and Paint Mast Arm	EA	\$350.00
870504	Clean and Paint Streetlight Arm	EA	\$275.00
870510	Relocate Any Existing Signal Head (Including Aiming and Adjusting)	EA	\$75.00
870511	Removal and Salvage of Signs Less Than 50 SF	EA	\$6.00
870512	Removal and Salvage of Signs Greater Than 50 SF	EA	\$11.00
870513	Removal and Salvage of Lighting Pole with Arm	EA	\$140.00
870514	Removal and Salvage of Lighting Arm on Pole	EA	\$13.00
870515	Removal and Salvage of Luminaire	EA	\$1.25
870516	Removal and Salvage of Span & Associated Wiring	EA	\$12.00
870517	Removal and Salvage Wood Pole	EA	\$1.25
870518	Removal and Salvage Strain Pole	EA	\$6.00
870519	Removal and Salvage Traffic Signal Mast Arm Pole	EA	\$165.00
870520	Remove Foundation 12" Below Grade	CY	\$450.00
870521	Removal and Salvage Mast Arm	EA	\$55.00
870522	Removal and Salvage Pedestal Pole	EA	\$30.00
870523	Removal and Salvage Pedestal Pole and Breakaway Base	EA	\$50.00
870524	Removal and Salvage Cabinet	EA	\$55.00
870525	Removal Signal Handbox	EA	\$5.00
870526	Relocate Existing Handbox	EA	\$13.00
870527	Removal and Salvage Any Signal Head	EA	\$35.00
870528	Removal and Salvage Pedestrian Signal Head	EA	\$20.00
870529	Removal and Salvage Pedestrian Pushbutton & Sign	EA	\$20.00