

CITY OF CHESAPEAKE
DEPARTMENT OF
DEVELOPMENT AND PERMITS
PROJECT NAME - AC # - PLAN APPROVAL DATE
RIGHT-OF-WAY PERMIT BOND

ITEM	QUANTITY	UNIT	UNIT PRICE
STREETS AND DRAINAGE			
DRIVEWAYS/CURB & GUTTER/SIDEWALKS/RAMPS			
CG-2/3		LF	\$15.60
CG-5		LF	\$19.20
CG-6		LF	\$22.80
CG-7		EA	\$3,840.00
CG-7A (STONE)		SY	\$15.60
CG-8		EA	\$7,800.00
CG-9/10		EA	\$8,160.00
CG-12A		EA	\$9,000.00
CG REMOVE & REPLACE		LF	\$23.70
CG REMOVE		LF	\$8.70
CLEAN CG		LF	\$3.00
CONCRETE S/W		SY	\$40.80
4' CONCRETE S/W		LF	\$18.00
ASPHALT S/W		SY	\$31.20
SIDEWALK REMOVE		SY	\$5.40
SIDEWALK REMOVE & REPLACE		SY	\$51.30
CURB RAMPS		EA	\$1,440.00
CURB RAMPS REMOVE/REPLACE		EA	\$1,260.00
CURB RAMPS REMOVE		EA	\$360.00
ASPHALT CURB		LF	\$14.40
VALLEY GUTTER		SY	\$69.60
REMOVE/REPLACE DRIVEWAY ENTRANCES		EA	\$2,160.00
PAVEMENT			
SURFACE COURSE ASPHALT (PER IN)		SY	\$5.40
BASE ASPHALT (PER IN)		SY	\$6.00
BASE STONE - AGGREGATE (PER IN)		SY	\$2.40
MILL & OVERLAY (1.5"D)		SY	\$12.00
PAVEMENT CUT		LS	\$3,000.00
SELECT FILL		CY	\$22.80
CEMENT TREATED AGGREGATE (PER IN)		SY	\$5.40
SOIL CEMENT		CY	\$49.20
FILTER FABRIC		SY	\$4.80
CONCRETE PAVEMENT		SY	\$78.00
DRAINAGE- PIPES & STRUCTURES			
BEDDING MATERIALS (DRAINAGE) (6" LIFT)		SY	\$9.60
12" RCP		LF	\$38.40
15" RCP		LF	\$40.80
18" RCP		LF	\$46.80
21" RCP		LF	\$55.20
24" RCP		LF	\$64.80
27" RCP		LF	\$79.20
30" RCP		LF	\$86.40
36" RCP		LF	\$120.00
42"RCP		LF	\$156.00
48" RCP		LF	\$177.60
54" RCP		LF	\$240.00
60" RCP		LF	\$288.00
66" RCP		LF	\$324.00
72" RCP		LF	\$360.00
8" HDPE		LF	\$30.00
10" HDPE		LF	\$33.60
12" HDPE		LF	\$36.00
15" HDPE		LF	\$38.40

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18" HDPE		LF	\$44.40
21" HDPE		LF	\$54.00
24" HDPE		LF	\$62.40
27" HDPE		LF	\$75.60
30" HDPE		LF	\$84.00
36" HDPE		LF	\$108.00
42" HDPE		LF	\$126.00
48" HDPE		LF	\$132.00
NYLOPLAST STRUCTURE (0-6')		EA	\$2,400.00
12" FES		EA	\$780.00
15" FES		EA	\$1,080.00
18" FES		EA	\$1,140.00
21" FES		EA	\$1,320.00
24" FES		EA	\$1,440.00
27" FES		EA	\$1,710.00
30" FES		EA	\$2,010.00
36" FES		EA	\$2,340.00
42" FES		EA	\$2,700.00
48" FES		EA	\$3,240.00
54" FES		EA	\$3,720.00
60" FES		EA	\$4,560.00
32" x 49" FES		EA	\$246.00
FES (REMOVE)		EA	\$720.00
8" PVC		LF	\$16.80
10" PVC		LF	\$20.40
12" PVC		LF	\$22.80
15" PVC		LF	\$25.20
18" PVC PERMALOCK		LF	\$42.00
21" PVC PERMALOCK		LF	\$48.00
24" PVC PERMALOCK		LF	\$60.00
27" PVC PERMALOCK		LF	\$73.20
30" PVC PERMALOCK		LF	\$82.80
36" PVC PERMALOCK		LF	\$90.00
42" PVC PERMALOCK		LF	\$118.80
48" PVC PERMALOCK		LF	\$126.00
14" x 23" ERCP		LF	\$84.00
18" x 34" ERCP		LF	\$93.60
19" x 30" ERCP		LF	\$108.00
22" x 34" ERCP		LF	\$126.00
24" x 38" ERCP		LF	\$134.40
29" x 45" ERCP		LF	\$181.20
32" x 49" ERCP		LF	\$246.00
34" x 43" ERCP		LF	\$246.00
34" x 53" ERCP		LF	\$252.00
38" x 60" ERCP		LF	\$276.00
43" x 68" ERCP		LF	\$354.00
48" x76" ERCP		LF	\$444.00
53" x 83" ERCP		LF	\$540.00
58" x 91" ERCP		LF	\$600.00
SDI-1 12"-18" PIPE		EA	\$2,160.00
SDI-2 21"-24" PIPE		EA	\$2,520.00
SDI-3 27"-48" PIPE		EA	\$3,840.00
CB-1 <6' DEPTH		EA	\$2,160.00
CB-2 <6' DEPTH		EA	\$2,520.00
CB-2 6'-8' DEPTH		EA	\$3,840.00

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MCB-1		EA	\$4,080.00
MCB-2		EA	\$4,320.00
JB-1		EA	\$9,600.00
MH-1		EA	\$5,700.00
MH-1 5'-7' DEPTH		EA	\$5,964.00
MH-1 7'-9' DEPTH		EA	\$6,228.00
BOX CULVERT 3' x 5'		LF	\$900.00
BOX CULVERT 4' x 5'		LF	\$960.00
BOX CULVERT 4' x 6'		LF	\$1,020.00
BOX CULVERT 4' x 7'		LF	\$1,080.00
BOX CULVERT 4' x 10'		LF	\$1,320.00
BOX CULVERT 5' x 5'		EA	\$1,020.00
21" ENDWALL		EA	\$1,116.00
24" ENDWALL		EA	\$1,320.00
27" ENDWALL		EA	\$1,500.00
30" ENDWALL		EA	\$2,280.00
36" ENDWALL		EA	\$4,170.00
42" ENDWALL		EA	\$9,360.00
48" ENDWALL		EA	\$10,200.00
72" ENDWALL		EA	\$11,400.00
EW-6 TRIPLE PIPE		EA	\$11,400.00
EW-7 TWIN 48" PIPE		EA	\$11,400.00
21" HEADWALL		EA	\$2,280.00
24" HEADWALL		EA	\$3,000.00
36" HEADWALL		EA	\$3,810.00
42" HEADWALL		EA	\$7,650.00
48" HEADWALL		EA	\$10,200.00
72" HEADWALL		EA	\$14,400.00
TIE INTO EXISTING STRUCTURE		EA	\$3,480.00
PLUG		EA	\$300.00
PLUG WEEP HOLES		EA	\$84.00
CLEAN PIPE		LF	\$8.40
CLEAN STRUCTURE		EA	\$300.00
CONFLICT MANHOLE		EA	\$7,200.00
CONFLICT JUNCTION BOX		EA	\$8,280.00
REPLACE TOP		EA	\$1,320.00
REMOVE STRUCTURE		EA	\$900.00
REMOVE PIPE (12"-36")		LF	\$30.00
REPAIR BENCHES & INVERTS		EA	\$300.00
MISCELLANEOUS			
RIP RAP (EC-1)		SY	\$96.00
ECSB (EC-2)		SY	\$78.00
EARTHEN BERM		LF	\$12.00
ROW RESTORATION (GRADEWORK, SHOULDER & VEG)		AC	\$9,000.00
UTILITY CONSTRUCTION DRAWINGS		LS	\$9,000.00
SWMF CONSTRUCTION DRAWINGS (AS-BUILTS)		LS	\$6,000.00
SITE CERTIFICATION		EA	\$600.00
TRAFFIC CONTROL		LS	
STREET LIGHTS (\$ amount from Traffic Engineering)		LS	RES: 2500 / COM: 5000
SIGNS AND PAVEMENT MARKINGS		LS	
UTILITY/POWER POLE (R&R) SINGLE PHASE		EA	\$12,000.00
UTILITY/POWER POLE (R&R) THREE PHASE		EA	\$36,000.00
UTILITY ACCESS ROAD (FILTER FABRIC)		IN-SY	\$3.30
UTILITY ACCESS ROAD (TOP SOIL)		SY	\$12.00
SODDING		SY	\$4.20

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ITEM	QUANTITY	UNIT	UNIT PRICE
FENCE		LF	\$18.00
FENCE (REMOVE)		LF	\$7.20
ROAD BARRICADE		EA	\$3,360.00
GUARDRAIL (GR-2)		LF	\$39.00
GUARDRAIL (REMOVE AND REPLACE)		LF	\$57.00
GUARDRAIL (GR-2A)		LF	\$69.60
EMERGENCY/UTILITY ACCESS ROAD (BASE STONE)		SY	\$2.40
EMERGENCY/UTILITY ACCESS ROAD (GATES)		EA	\$2,400.00
UTILITY BRIDGE		LS	\$4,800.00
LANDSCAPING (\$ amount from City Arborist)		LS	\$0.00
REPAIR CAVE IN		EA	\$1,020.00
DITCHES			
PAVED DITCH		SY	\$90.00
CLEAN PAVED DITCH		LF	\$9.00
DITCH		LF	\$14.40
DITCH STABILIZATION		SY	\$4.20
CLEAN AND REGRADE DITCH		LF	\$8.40
FILL EXISTING DITCH		CY	\$14.10
SWALE		LF	\$9.60
FILL EXISTING SWALE		LF	\$7.20
SEPTIC DITCH		LF	\$3.60
FINAL GRADING SEPTIC DRAIN FIELD		LS	\$5,400.00
			S&D SUBTOTAL
WATER & SEWER			
WATER			
SERVICE LINE (SINGLE) WS-1 3/4"		EA	\$1,200.00
SERVICE LINE (TOWNHOUSE) WS-2 1"		EA	\$1,440.00
3/4" COPPER PIPE		LF	\$13.20
1" COPPER PIPE		LF	\$18.00
1 1/2" SERVICE LINE COPPER		EA	\$1,920.00
2" SERVICE LINE COPPER		EA	\$3,240.00
METER BOX		EA	\$90.00
VALVE BOX		EA	\$180.00
WATER SERVICE BORE		EA	\$2,400.00
DEACTIVATE WATER SERVICE		EA	\$1,800.00
BEDDING MATERIALS		SY	\$18.30
2" PVC PIPE		LF	\$24.00
4" PVC PIPE		LF	\$30.00
6" PVC PIPE		LF	\$38.40
8" PVC PIPE		LF	\$42.00
10" PVC PIPE		LF	\$49.20
12" PVC PIPE		LF	\$60.00
16" PVC PIPE		LF	\$66.00
8" DI PIPE		LF	\$50.40
10" DI PIPE		LF	\$55.20
12" DI PIPE		LF	\$62.40
16" DI PIPE		LF	\$480.00
6" CASING BORE		LF	\$180.00
8" CASING BORE		LF	\$210.00
16" CASING BORE		LF	\$480.00
18" CASING BORE		LF	\$516.00
20" CASING BORE		LF	\$578.40
30" STEEL CASING (JACK)		LF	\$720.00
2" GATE VALVE		EA	\$600.00
3" GATE VALVE		EA	\$900.00

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4" GATE VALVE		EA	\$1,182.00
6" GATE VALVE		EA	\$1,680.00
8" GATE VALVE		EA	\$1,920.00
10" GATE VALVE		EA	\$2,520.00
12" GATE VALVE		EA	\$2,700.00
12" BUTTERFLY VALVE		EA	\$3,600.00
14" BUTTERFLY VALVE		EA	\$3,780.00
16" BUTTERFLY VALVE		EA	\$3,960.00
18" BUTTERFLY VALVE		EA	\$5,400.00
20" BUTTERFLY VALVE		EA	\$6,600.00
24" BUTTERFLY VALVE		EA	\$9,000.00
6x4 TS&V		EA	\$4,320.00
8x6 TS&V		EA	\$4,800.00
10x4 TS&V		EA	\$7,440.00
10x6 TS&V		EA	\$7,440.00
10x8 TS&V		EA	\$7,560.00
12x6 TS&V		EA	\$8,400.00
12x8 TS&V		EA	\$9,000.00
16x6 TS&V		EA	\$7,800.00
16x10 TS&V		EA	\$8,160.00
20x8 TS&V		EA	\$8,160.00
20x10 TS&V		EA	\$8,400.00
20x12 TS&V		EA	\$8,880.00
24x6 TS&V		EA	\$9,000.00
24x8 TS&V		EA	\$9,120.00
24x10 TS&V		EA	\$9,600.00
16" TAPPED PLUG		EA	\$300.00
18" TAPPED PLUG		EA	\$352.80
20" TAPPED PLUG		EA	\$386.40
24" TAPPED PLUG		EA	\$619.20
8x4 REDUCER		EA	\$268.80
8X6 REDUCER		EA	\$267.60
10X4 REDUCER		EA	\$327.60
10X8 REDUCER		EA	\$351.60
12X8 REDUCER		EA	\$429.60
16x8 REDUCER		EA	\$507.60
16x10 REDUCER		EA	\$550.80
16x12 REDUCER		EA	\$595.20
18x10 REDUCER		EA	\$892.80
20x16 REDUCER		EA	\$1,203.60
24x16 REDUCER		EA	\$1,675.20
6X4 TEE		EA	\$480.00
6X6 TEE		EA	\$522.00
8X2 TEE		EA	\$486.00
8x4 TEE		EA	\$522.00
8x6 TEE		EA	\$561.60
8x8 TEE		EA	\$624.00
10X4 TEE		EA	\$670.80
10x6 TEE		EA	\$732.00
10X8 TEE		EA	\$828.00
10X10 TEE		EA	\$871.20
12X6 TEE		EA	\$879.60
12X8 TEE		EA	\$943.20
12X10 TEE		EA	\$984.00
4X4X4 TEE		EA	\$450.00

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8X8X4 TEE		EA	\$601.20
8X8X6 TEE		EA	\$656.40
16x6x16 TEE		EA	\$943.20
16x8x16 TEE		EA	\$948.00
16x10x16 TEE		EA	\$968.40
16x12x16 TEE		EA	\$990.00
16x16 TEE		EA	\$1,179.60
18x18x18 TEE		EA	\$1,944.00
24x6x24 TEE		EA	\$2,640.00
24x8x24 TEE		EA	\$2,700.00
24x10x24 TEE		EA	\$2,760.00
24x12x24 TEE		EA	\$2,820.00
8X8 CROSS		EA	\$816.00
BLOW OFF VALVE		EA	\$1,560.00
FIRE HYDRANT		EA	\$3,360.00
RELOCATE FIRE HYDRANT		EA	\$1,890.00
4" WATERMAIN OFFSET		EA	\$3,000.00
8" WATERMAIN OFFSET		EA	\$3,960.00
12" WATERMAIN OFFSET		EA	\$8,400.00
SEWER			
2" FM PIPE (outside pavement)		LF	\$24.00
2" FM PIPE (in pavement)		LF	\$30.00
4" DI FM PIPE		LF	\$48.00
4" PVC FM PIPE		LF	\$42.00
4" LATERAL PIPE (BORE)		LF	\$90.00
4" LATERAL PIPE		LF	\$24.00
6" DI FM PIPE		LF	\$50.40
6" PVC FM PIPE		LF	\$54.00
6" LATERAL PIPE		LF	\$36.00
8" LATERAL PIPE		LF	\$36.00
4" DI MJ PIPE		LF	\$54.00
6" DI MJ PIPE		LF	\$66.00
8" DI MJ PIPE		LF	\$78.00
10" DI MJ PIPE		LF	\$84.00
12" DI MJ PIPE		LF	\$102.00
16" DI MJ PIPE		LF	\$126.00
18" DI MJ PIPE		LF	\$138.00
8" DI FM PIPE		LF	\$54.00
8" DI PIPE 0'-6'		LF	\$108.00
8" DI PIPE 6'-8'		LF	\$120.00
8" DI PIPE 8'-10'		LF	\$126.00
8" DI PIPE 10'-12'		LF	\$132.00
8" DI PIPE 12'-14'		LF	\$138.00
8" DI PIPE 14'-16'		LF	\$150.00
8" DI PIPE 16'-18'		LF	\$156.00
8" DI PIPE 18'-20'		LF	\$174.00
8" DI PIPE 20' >		LF	\$192.00
8" PVC FM PIPE		LF	\$54.00
8" PVC PIPE 0'-6'		LF	\$33.60
8" PVC PIPE 6'-8'		LF	\$42.00
8" PVC PIPE 8'-10'		LF	\$54.00
8" PVC PIPE 10'-12'		LF	\$66.00
8" PVC PIPE 12'-14'		LF	\$78.00
8" PVC PIPE 14'-16'		LF	\$108.00
8" PVC PIPE 16'-18'		LF	\$126.00

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8" PVC PIPE 18'-20'		LF	\$156.00
10" DI FM PIPE		LF	\$66.00
10" DI PIPE 0'-6'		LF	\$108.00
10" DI PIPE 6'-8'		LF	\$120.00
10" DI PIPE 8'-10'		LF	\$132.00
10" DI PIPE 10'-12'		LF	\$138.00
10" DI PIPE 12'-14'		LF	\$144.00
10" DI PIPE 14'-16'		LF	\$150.00
10" DI PIPE 16'-18'		LF	\$156.00
10" DI PIPE 18'-20'		LF	\$174.00
10" DI PIPE 20' >		LF	\$192.00
10" PVC FM PIPE		LF	\$66.00
10" PVC PIPE 0'-6'		LF	\$36.00
10" PVC PIPE 6'-8'		LF	\$42.00
10" PVC PIPE 8'-10'		LF	\$54.00
10" PVC PIPE 10'-12'		LF	\$60.00
10" PVC PIPE 12'-14'		LF	\$84.00
10" PVC PIPE 14'-16'		LF	\$126.00
10" PVC PIPE 16'-18'		LF	\$150.00
10" PVC PIPE 18'-20'		LF	\$168.00
12" DI FM PIPE		LF	\$90.00
12" DI PIPE 0'-6'		LF	\$108.00
12" DI PIPE 6'-8'		LF	\$120.00
12" DI PIPE 8'-10'		LF	\$132.00
12" DI PIPE 10'-12'		LF	\$138.00
12" DI PIPE 12'-14'		LF	\$144.00
12" DI PIPE 14'-16'		LF	\$150.00
12" DI PIPE 16'-18'		LF	\$156.00
12" DI PIPE 18'-20'		LF	\$174.00
12" DI PIPE 20' >		LF	\$192.00
12" PVC PIPE 0'-6'		LF	\$48.00
12" PVC PIPE 6'-8'		LF	\$54.00
12" PVC PIPE 8'-10'		LF	\$66.00
12" PVC PIPE 10'-12'		LF	\$90.00
12" PVC PIPE 12'-14'		LF	\$102.00
12" PVC PIPE 14'-16'		LF	\$126.00
12" PVC PIPE 16'-18'		LF	\$144.00
12" PVC PIPE 18'-20'		LF	\$168.00
12" CASING BORE		LF	\$420.00
16" DI FM PIPE		LF	\$120.00
18" DI FM PIPE		LF	\$126.00
4" GATE VALVE		EA	\$1,182.00
6" GATE VALVE		EA	\$1,680.00
8" GATE VALVE		EA	\$1,920.00
8x8 TEE		EA	\$624.00
8x4 REDUCER		EA	\$268.80
8' KICKER JOINT WITH PLUG		EA	\$600.00
16' KICKER JOINT WITH PLUG		EA	\$1,200.00
30x8 TS&V		EA	\$11,400.00
MANHOLE 0'-6'		EA	\$3,090.00
MANHOLE 6'-8'		EA	\$3,480.00
MANHOLE 8'-10'		EA	\$4,200.00
MANHOLE 10'-12'		EA	\$5,340.00
MANHOLE 12'-14'		EA	\$7,800.00
MANHOLE 14'-16'		EA	\$9,840.00

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MANHOLE 16'-18'		EA	\$10,800.00
MANHOLE 18'-20'		EA	\$13,380.00
CONNECT TO HRSD MAIN		LS	\$9,600.00
RESIDENTIAL CLEAN OUT		EA	\$240.00
INSPECTION BOX IB-1		EA	\$1,020.00
AIRVENTS		EA	\$1,500.00
DROP CONNECTION		EA	\$1,459.20
FLOWABLE FILL		CY	\$150.00
PUMP STATION UPGRADE (UNIT COST TBD)		EA	\$0.00
PUMP STATION (SUBMERSIBLE)		EA	\$780,000.00
PUMP STATION (SUCTION LIFT)		EA	\$810,000.00
PUMP STATION (WET/DRY)		EA	\$1,200,000.00

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LAND DISTURBING PERMIT BOND**

ITEM	QUANTITY	UNIT	UNIT PRICE
LAND DISTURBING PERMIT BOND			
EROSION & SEDIMENT CONTROL			
TOTAL DISTURBED ACREAGE		0	
CHECK DAM (ROCK)		EA	\$840.00
SILT FENCE		LF	\$4.80
INLET PROTECTION		EA	\$120.00
CONSTRUCTION ENTRANCE		EA	\$4,200.00
RESTORATION (GRADE & VEGETATION)		AC	\$4,800.00
DIVERSION DIKE		LF	\$6.00
CONSTRUCTION ROAD STABILIZATION		SY	\$6.00
SEDIMENT TRAP/BASIN (PER RUNOFF ACRE)		AC	\$3,000.00