

To: Philadelphia Water Department	From: Black & Veatch Management Consulting, LLC
Task Name : Miscellaneous Charges	Project Number: 195603.0400
Document : Calculation approach	Date: September 8, 2017

This document provides the approach for the determination of cost of service based charges for the various water and wastewater miscellaneous tasks listed in Philadelphia Water Department's (PWD) Regulations. Additionally, two new services were identified for addition to the existing list of activities for miscellaneous fees for Fiscal Year (FY) 2018.

Methodology

The water and wastewater miscellaneous charges were developed based on cost inputs provided by PWD staff. The costs were categorized as follows:

- a) Labor Costs
- b) Equipment Costs
- c) Materials
- d) Contractor Costs

The sum total of the all costs inputs (as applicable) for a given miscellaneous charge was used to determine the calculated charge. The following section further elaborates how each of the costs listed above were determined.

Labor Costs

The Labor costs were determined using the average hourly rate for a particular staff position and the total time spent by the staff on that task. The average hourly rate for the position has a direct cost component and an indirect cost component. These cost components were determined as follows:

- a) Direct Cost Component: This consists of the hourly salary rate calculated based on annual direct salary costs in the FY 2018 PWD Budget and 2080 hours per year.
- b) Indirect Cost Component: This consists of the overhead rate applied to the direct salary costs calculated above. The overhead rate is per the PWD 2016 Cost Allocation Plan (CAP), and is in accordance with City-wide practices for reimbursement, e.g., Interfunds and Federal Emergency Management Agency (FEMA). The overhead includes:
 - (1) Division Indirect Labor, e.g., supervisor, clerical & leave
 - (i) Operations : 41%
 - (ii) Engineering : 41%
 - (2) Plus: Division Fringes
 - (i) Operations : 149%
 - (ii) Engineering : 129%
 - (3) Plus: Indirect Divisions Allocation
 - (i) Operations : 107%
 - (ii) Engineering : 107%

The total overhead rates, excluding overtime for Operations and Engineering were 297% and 277% respectively. The sum of the direct and indirect labor costs components was used to arrive at the fully burdened hourly labor rates.

The time and number of staff position or crew size required to complete a particular task was determined through interviews with PWD staff. The total labor costs for a task were calculated as the sum of labor costs for all staff involved, excluding supervisors. The supervisory time was accounted for through the overhead rate.

To determine the hourly labor rate for work performed during non-business hours, the overtime premium was applied to the fully burdened hourly labor rates. Overtime premium for Operations was 23% and for engineering at 1% as per the FY 2016 CAP Plan. The hourly rate with the overtime premium was used to calculate the labor costs for work performed during non-business hours. All of the miscellaneous fees evaluated had a labor cost component.

Equipment Costs

The Equipment cost rate was based on 2015 (latest) Federal Emergency Management Agency (FEMA) hourly rates published on the FEMA website, and utilized City-wide for vehicle and equipment reimbursement. The equipment cost for the task was determined using the average hourly rate for particular equipment time and the total time spent on that task. The time spent on a task and the various equipment used for completing the task was based on inputs provided by the PWD staff. The total equipment cost for the task was calculated as the sum of costs for all the equipment used for the particular task.

Materials Costs

The Materials cost utilized were based on PWD's materials prices. The cost for each type of material was determined based on quantity used and the unit cost for that material. The type of materials and the quantity for each was determined through interviews and data provided by PWD staff. The total materials cost for the task was calculated as the sum of costs for all the materials types used for the task. Materials costs were utilized for tasks such as water meter installations and pipeline related activities. Tasks such as meter testing, meter tampering and permit related tasks do not include materials costs.

Contractor Costs

The contractor costs utilized were based on PWD's budgeted annual contract agreements from various contractors. Contractor costs were incorporated for sewer photographic and video inspections and post construction stormwater plan approval tasks.

Results

The results of the study indicated an overall increase in cost of service fees for most of the miscellaneous tasks, but in some cases there was a decrease in costs. Table 1 summarizes the increase or decrease for each of the existing miscellaneous fees. It also shows the proposed fee for the next three fiscal years (FY 2019-FY 2021).

In order to mitigate significant increases, the annual increase for some charges was limited to 40% and phased over the three years to full cost of service.

In all other cases, the charge was set to cost of service rates in FY 2019. All proposed fees were rounded to the next \$5.00 or \$10.00 increment.

Table 2 summarizes the two new miscellaneous charges to be added to the regulations in FY 2018. Table 1A and 2A summarize the proposed miscellaneous charges for work performed during non-business hours.

MISCELLANEOUS FEE STUDY WORKPAPERS -INDEX

TABLE DESCRIPTION	PAGE NO.
Overhead Percentages	1
Salary, Benefits and Indirect Costs	2
Hourly Equipment Rates	5
Material Costs	6
Labor Cost Calculation	8
Equipment Cost Calculation	20
Material Cost Calculation	26
Fee Calculated	31
Existing Fees	33
Proposed Fees	35
Proposed Fees during Non Business Hours	38
Activity Volume	41

Overhead Rate Calculation

Line No.	Description	Operations	Engineering
1	Division, Indirect Labor		
	Supervisor	16%	17%
	Clerical	3%	6%
	Leave	22%	19%
	Overtime Premium	23%	1%
2	Subtotal -Division, Indirect Labor	64%	42%
3	Division, Fringe	149%	129%
4	Indirect Divisions Allocation	107%	107%
5	Total Overhead Rate (Including Overtime Premium)	320%	278%
6	Total Overhead Rate (excluding Overtime Premium)	297%	277%

Source: FY 2016 PWD Cost Allocation Plan dated June 27, 2017

Line No.	Description	Operations	Engineering
1			
	Annual No. of Working Hours	2080	2080

Hourly Salary and Overhead Rates

Overhead Group		Operations											
		Metering	Delinquency & Restoration		Water Distribution			Load Control	Load Control		Industrial Waste U		
Line		Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2
1	Salary (Annual)	\$42,182	\$40,953	\$45,416	\$43,333	\$38,691	\$37,451	\$43,333	\$80,457	\$73,317	\$36,323	\$45,501	\$61,866
2	Salary (Hourly)	20.28	19.69	21.83	20.83	18.60	18.01	20.83	38.68	35.25	17.46	21.88	29.74
3	Division Ind Labor (Excl Overtime)	8.27	8.03	8.91	8.50	7.59	7.35	8.50	15.78	14.38	7.12	8.93	12.14
4	Division Ind Labor (Overtime)	4.73	4.59	5.09	4.85	4.33	4.20	4.85	9.01	8.21	4.07	5.10	6.93
5	Division Fringes	30.22	29.34	32.53	31.04	27.72	26.83	31.04	57.64	52.52	26.02	32.59	44.32
6	Indirect Division Allocation	21.70	21.07	23.36	22.29	19.90	19.27	22.29	41.39	37.72	18.69	23.41	31.83
7	Salary + Div Ind Labor (Excl Overtime)	28.55	27.72	30.74	29.33	26.19	25.35	29.33	54.46	49.63	24.59	30.80	41.88
8	Salary + Div Ind Labor (Overtime Premium)	33.28	32.31	35.83	34.19	30.52	29.55	34.19	63.48	57.84	28.66	35.90	48.81
9	Salary + Div Ind Labor + Fringes (Excl Overtime)	58.77	57.06	63.28	60.37	53.91	52.18	60.37	112.10	102.15	50.61	63.40	86.20
10	Salary + Div Ind Labor + Fringes (Overtime Premium)	63.50	61.65	68.36	65.23	58.24	56.37	65.23	121.11	110.36	54.68	68.49	93.13
11	Salary + Div Ind Labor + Fringes+ Ind Div Alloc (Excl Overtime)	80.47	78.13	86.64	82.67	73.81	71.44	82.67	153.49	139.87	69.29	86.80	118.02
12	Salary + Div Ind Labor + Fringes + Ind Div Alloc (Overtime Premium)	85.20	82.71	91.73	87.52	78.14	75.64	87.52	162.50	148.08	73.36	91.90	124.95

Hourly Salary and Overhead Rates

Overhead Group											Planning & Environmental		
		Init	Collector System Support					Flow Control		Office Of Watershed			
Line		Tech Supervisor	Tech 2	Grad Civil Engineer	WTR Supervisor	Inspector	Collector Unit	Electronic Tech II	Assistant	Electronic Equipment Supervisor	Environmenta I Scientist	Engineer	Engineering Co-Op
1	Salary (Annual)	\$70,622	\$59,060	\$52,251	\$49,321	\$36,594	\$49,321	\$44,887	\$40,420	\$49,321	\$62,491	\$80,457	\$36,323
2	Salary (Hourly)	33.95	28.39	25.12	23.71	17.59	23.71	21.58	19.43	23.71	30.04	38.68	17.46
3	Division Ind Labor (Excl Overtime)	13.85	11.58	10.25	9.67	7.18	9.67	8.80	7.93	9.67	12.20	15.70	7.09
4	Division Ind Labor (Overtime)	7.91	6.62	5.85	5.52	4.10	5.52	5.03	4.53	5.52	0.42	0.54	0.24
5	Division Fringes	50.59	42.31	37.43	35.33	26.21	35.33	32.15	28.95	35.33	38.76	49.90	22.53
6	Indirect Division Allocation	36.33	30.38	26.88	25.37	18.82	25.37	23.09	20.79	25.37	32.15	41.39	18.69
7	Salary + Div Ind Labor (Excl Overtime)	47.81	39.98	35.37	33.39	24.77	33.39	30.39	27.36	33.39	42.24	54.39	24.55
8	Salary + Div Ind Labor (Overtime Premium)	55.72	46.59	41.22	38.91	28.87	38.91	35.41	31.89	38.91	42.66	54.93	24.80
9	Salary + Div Ind Labor + Fringes (Excl Overtime)	98.40	82.29	72.80	68.72	50.99	68.72	62.54	56.32	68.72	81.00	104.28	47.08
10	Salary + Div Ind Labor + Fringes (Overtime Premium)	106.31	88.90	78.65	74.24	55.08	74.24	67.57	60.84	74.24	81.42	104.83	47.32
11	Salary + Div Ind Labor + Fringes+ Ind Div Alloc (Excl Overtime)	134.73	112.67	99.68	94.09	69.81	94.09	85.63	77.11	94.09	113.14	145.67	65.77
12	Salary + Div Ind Labor + Fringes + Ind Div Alloc (Overtime Premium)	142.64	119.28	105.53	99.61	73.91	99.61	90.66	81.64	99.61	113.57	146.22	66.01

Hourly Salary and Overhead Rates

Overhead Group		Services	
		Is	
Line		Engineering Specialist	GIS Analyst
1	Salary (Annual)	\$73,317	\$61,866
2	Salary (Hourly)	35.25	29.74
3	Division Ind Labor (Excl Overtime)	14.31	12.08
4	Division Ind Labor (Overtime)	0.49	0.42
5	Division Fringes	45.47	38.37
6	Indirect Division Allocation	37.72	31.83
7	Salary + Div Ind Labor (Excl Overtime)	49.56	41.82
8	Salary + Div Ind Labor (Overtime Premium)	50.05	42.24
9	Salary + Div Ind Labor + Fringes (Excl Overtime)	95.03	80.19
10	Salary + Div Ind Labor + Fringes (Overtime Premium)	95.52	80.60
11	Salary + Div Ind Labor + Fringes+ Ind Div Alloc (Excl Overtime)	132.75	112.01
12	Salary + Div Ind Labor + Fringes + Ind Div Alloc (Overtime Premium)	133.24	112.43

Equipment Rates

1	FEMA DESCRIPTION												
2	FEMA CODE		Truck, Backhoe	Air Compressor	Truck, Dump	Truck, Dump	Truck, Pickup	Automobile	Jackhammer	Pump	Generator	Vehicle, Small	
3	EQUIPMENT DESCRIPTION		8795	8014	8725	8720	8801	8076	8518	8473	8310	8750	
4	UNIT		Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	CCTV Truck
5	COST		Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour
			\$0.00	\$41.00	\$34.00	\$75.00	\$42.25	\$19.45	\$21.50	\$1.45	\$8.00	\$4.00	\$70.25

Source
2015 FEMA Rates (except Meter Test Bench and CCTV Truck)
CCTV Truck Rate per PWD Staff

Material Costs

No.	MATERIAL DESCRIPTION	UNIT	COST
1	Meter costs by meter size		
	5/8"	Each	\$147.82
	3/4" RFSS	Each	\$326.00
	1"	Each	\$240.05
	1" RFSS	Each	\$334.00
	1 1/2"	Each	\$618.55
	1 1/2" RFSS	Each	\$563.94
	2"	Each	\$718.91
	2" RFSS	Each	\$782.00
	3" Compound	Each	\$1,855.00
	3" Turbine	Each	\$968.72
	3" Fire Series	Each	\$2,856.18
	4" Compound	Each	\$2,269.07
	4" Turbine	Each	\$2,010.00
	4" Fire Series	Each	\$3,144.24
	4" Fire Assembly	Each	\$5,500.00
	6" Compound	Each	\$4,300.00
	6" Turbine	Each	\$3,550.00
	6" Fire Series	Each	\$4,795.03
	6" Fire Assembly	Each	\$7,400.00
	8" Turbine	Each	\$4,931.06
	8" Fire Series	Each	\$5,567.43
	8" Fire Assembly	Each	\$10,620.70
	10" Turbine	Each	\$7,272.17
	10" Fire Series	Each	\$8,000.00
	10" Fire Assembly	Each	\$14,784.42
	12" Turbine	Each	\$7,385.66
	12" Fire Series	Each	\$8,189.57
	12"	Each	\$15,655.08
2	Ferrule Costs		
	3/4"	Each	\$26.43
	1"	Each	\$39.25
	1 1/2"	Each	\$168.75
	2"	Each	\$231.25
3	Adapter for Ferrule		
	3/4"	Each	\$16.62
	1"	Each	\$32.77
4	Valve costs by size		
	3"	Each	\$380.20
	4"	Each	\$460.85
	6"	Each	\$553.01
	8"	Each	\$841.04
	10"	Each	\$1,296.13
	12"	Each	\$1,630.24
5	Sleeve costs by size		
	3"	Each	\$96.77
	4"	Each	\$126.09
	6"	Each	\$63.08
	8"	Each	\$85.96
	10"	Each	\$101.70
	12"	Each	\$136.25
6	3" or 4 " Sleeve costs by Main size		
	12" X 3" or 4"	Each	\$1,267.32
	16" X 3" or 4"	Each	\$4,608.45
	20" X 3" or 4"	Each	\$5,990.99
	24" X 3" or 4"	Each	\$7,603.94
	30" X 3" or 4"	Each	\$17,978.00
	36" X 3" or 4"	Each	\$23,140.00
7	6" or 8 " Sleeve costs by Main size		
	12" X 6" or 8"	Each	\$1,267.32
	16" X 6" or 8"	Each	\$4,723.66
	20" X 6" or 8"	Each	\$5,760.56
	24" X 6" or 8"	Each	\$7,603.94
	30" X 6" or 8"	Each	\$18,583.00
	36" X 6" or 8"	Each	\$24,960.00
8	10" or 12 " Sleeve costs by Main size		
	12" X 10" or 12"	Each	\$1,555.35
	16" X 10" or 12"	Each	\$3,574.80
	20" X 10" or 12"	Each	\$4,428.00
	24" X 10" or 12"	Each	\$5,616.00
	30" X 10" or 12"	Each	\$19,937.00

Material Costs

No.	MATERIAL DESCRIPTION	UNIT	COST
	36" X 10" or 12"	Each	\$28,582.00
9	Cap costs by size		
	3"	Each	\$49.00
	4"	Each	\$75.00
	6"	Each	\$120.00
	8"	Each	\$150.00
	10"	Each	\$220.00
	12"	Each	\$800.00
10	Band costs by size		
	3"	Each	\$92.00
	4"	Each	\$97.00
	6"	Each	\$104.00
	8 "	Each	\$129.00
	10 "	Each	\$279.00
	12"	Each	\$291.00
	Other Materials		
11	Fasteners	Each	\$19.39
12	Curb Stop	Each	\$46.59
13	Curb Box	Each	\$23.35
14	Concrete Block	Each	\$325.00
15	Blacktop	Per Bag	\$15.00

CONTRACTOR TASK DESCRIPTION		UNIT	COST
16	CCTV Inspection		\$275.00
17	Concept Task		\$76.14
18	PCSMP Task		\$1,866.15
19	Inspection Task		\$143.19

Hydrant Permit Materials		UNIT	COST
CCL Kit		1.0	\$339.96
CCL Bonnet		1.0	\$124.82
Operating Nut		1.0	\$11.40

Source: PWD (May 2017)

Notes: Only Fasteners and Curb Stop prices are escalated from 2012 prices.
All other prices are from 2017 PWD Material Cost Data

Labor Cost Calculations

Line No.	Description	Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2	Tech Supervisor	Task Time (Hours)
Section 6- Miscellaneous Water Charges															
NUMBER OF PERSONNEL															
1	Meter Test Charges														
a	5/8"	2.25													1.00
b	1", 1.5", 2"	2.00													1.50
c	3", 4", 6", 8", 10", 12"	3.00													2.50
d	Field Tests 3" and above	3.00													2.50
2	Charges for Furnishing and Installation of Water Meters														
a	Setting both Meter and Meter Interface Unit (MIU)														
	5/8"	1.00													1.00
	3/4 RFSS	1.00													1.00
	1"	2.00													1.00
	1" RFSS	2.00													1.00
	1 1/2	2.00													1.00
	1 1/2 RFSS	2.00													1.00
	2"	2.00													1.00
	2" RFSS	2.00													1.00
	3" Compound	3.00													2.00
	3" Turbine	3.00													2.00
	3" Fire Series	3.00													2.00
	4" Compound	3.00													2.00
	4" Turbine	3.00													2.00
	4" Fire Series	3.00													2.00
	4" Fire Assembly	3.00													2.00
	6" Compound	3.00													2.00
	6" Turbine	3.00													2.00
	6" Fire Series	3.00													2.00
	6" Fire Assembly	3.00													2.00
	8" Turbine	3.00													2.00
	8" Fire Series	3.00													2.00
	8" Fire Assembly	3.00													2.00
	10" Turbine	3.00													2.00
	10" Fire Series	3.00													2.00
	10" Fire Assembly	3.00													2.00
	12" Turbine	3.00													2.00
	12" Fire Series	3.00													2.00
	12" Fire Assembly	3.00													2.00
b	Furnishing and Setting Meter Interface Unit (MIU)														
	5/8"	1.00													1.00
	3/4 RFSS	1.00													1.00
	1"	2.00													1.00
	1" RFSS	2.00													1.00
	1 1/2	2.00													1.00
	1 1/2 RFSS	2.00													1.00
	2"	2.00													1.00
	2" RFSS	2.00													1.00
	3" Compound	3.00													2.00
	3" Turbine	3.00													2.00
	4" Compound	3.00													2.00
	4" Turbine	3.00													2.00
	6" Compound	3.00													2.00
	6" Turbine	3.00													2.00
	8"	3.00													2.00
	10"	3.00													2.00
3	Tampering of Meter														
a	5/8" or 3/4"	1.00													1.00
b	1", 1.5" or 2"	2.00													1.00
c	3" and larger	3.00													2.00
4	Shut-Off and Restoration of Water Service														
a	Non-payment	1.00													1.00
b	Non-compliance with Notice of Defect	1.00													1.00
c	Operating service valve 2" and smaller service lines	1.00													1.00
d	Operating service valve larger than 2" service lines		2.00												2.00
e	Obstructed curb stop, missing access box, requires excavation		2.00												4.00
f	Curb stop inoperable, requires installation of new curb stop		2.00												4.00
g	Obstructed curb stop, missing access box, requires excavation and footway paving		2.00												4.00
h	Curb stop inoperable, requires installation of new curb stop and footway paving		2.00												4.00
i	Excavation and shutoff of ferrule at the water main				0.25	2.00									5.00
5	Pumping of Properties				0.25	2.00									4.00
6	Charges for Water Main Shutdown Service				0.25	2.00									1.00
7	Water Connection Charges														
Ferrule Connections															
a	3/4"				0.25	2.00									1.00

Labor Cost Calculations

Line No. Description		Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2	Tech Supervisor	Task Time (Hours)
b	1"				0.25	2.00									1.00
c	1.5"				0.25	2.00									1.00
d	2"				0.25	2.00									1.00
Valve Connections															
e	3" & 4"				0.25	3.00	1.00	1.00							32.00
f	6" & 8"				0.25	3.00	1.00	1.00							32.00
g	10" & 12"				0.25	3.00	1.00	1.00							36.00
Attachment to a Transmission Main															
3" & 4" Sleeve															
	16" Main				0.25	3.00	1.00	1.00							40.00
	20" Main				0.25	3.00	1.00	1.00							40.00
	24" Main				0.25	3.00	1.00	1.00							40.00
	30" Main				0.25	3.00	1.00	1.00							40.00
	36" Main				0.25	3.00	1.00	1.00							40.00
6" & 8" Sleeve															
	16" Main				0.25	3.00	1.00	1.00							40.00
	20" Main				0.25	3.00	1.00	1.00							40.00
	24" Main				0.25	3.00	1.00	1.00							40.00
	30" Main				0.25	3.00	1.00	1.00							40.00
	36" Main				0.25	3.00	1.00	1.00							40.00
10" & 12" Sleeve															
	16" Main				0.25	3.00	1.00	1.00							40.00
	20" Main				0.25	3.00	1.00	1.00							40.00
	24" Main				0.25	3.00	1.00	1.00							40.00
	30" Main				0.25	3.00	1.00	1.00							40.00
	36" Main				0.25	3.00	1.00	1.00							40.00
8	Discontinuance of Water				0.25	1.00	1.00	1.00							4.00
9	Hydrant Permits														
a	One Week					2.00				0.125					2.00
b	Six Month					2.00				0.125					2.00
10	Flow Tests								0.25	1.00	0.25	1.00			3.00
11	Water Service Line Investigations and/or Inspections														1.00
Section 7- Miscellaneous Sewer Charges		STAFF HOURS													
3	Wastewater Discharge Permit								12.00				16.00		
4	Groundwater Discharge Permit								10.00				10.00		
5	Manhole Pump-out Permit								12.00				4.00		
6	Trucked or Hauled Wastewater Permit								6.00				12.00		
7	Photographic & Video Inspection														
Section 8- Miscellaneous Stormwater Charges															
1	Stormwater Plan Review Fees														
a	Conceptual Stormwater Plan Approval														
b	Post Construction Stormwater Plan Submission														
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)														
2	Stormwater Management Fee in Lieu														
a	Exemption to Water Quality Requirement														
b	Exemption to both Water Quality & Channel Protection Requirement														
Other- Not in the Miscellaneous Charges Section															
1	Sewer Credit Application Fee								3.00				10.00	0.00	
2	Sewer Credit Failure to Inform PWD about increase								1.00				1.00	0.00	
3	Stormwater Credit Application Fee														
4	Stormwater Credit Application Fee Renewal														

Labor Cost Calculations

Line No.	Description	Tech 2	Grad Civil Engineer	WTR Supervisor	Inspector	Collector Unit	Electronic Tech II	Assistant	Electronic Equipment Supervisor	Environmental Scientist	Engineer	Engineering Co-Op	Engineering Specialist	GIS Analyst	Task Time (Hours)
Section 6- Miscellaneous Water Charges															
1	Meter Test Charges														
a	5/8"														1.00
b	1", 1.5", 2"														1.50
c	3", 4", 6", 8", 10", 12"														2.50
d	Field Tests 3" and above														2.50
2	Charges for Furnishing and Installation of Water Meters														
a	Setting both Meter and Meter Interface Unit (MIU)														
	5/8"														1.00
	3/4 RFSS														1.00
	1"														1.00
	1" RFSS														1.00
	1 1/2														1.00
	1 1/2 RFSS														1.00
	2"														1.00
	2" RFSS														1.00
	3" Compound														2.00
	3" Turbine														2.00
	3" Fire Series														2.00
	4" Compound														2.00
	4" Turbine														2.00
	4" Fire Series														2.00
	4" Fire Assembly														2.00
	6" Compound														2.00
	6" Turbine														2.00
	6" Fire Series														2.00
	6" Fire Assembly														2.00
	8" Turbine														2.00
	8" Fire Series														2.00
	8" Fire Assembly														2.00
	10" Turbine														2.00
	10" Fire Series														2.00
	10" Fire Assembly														2.00
	12" Turbine														2.00
	12" Fire Series														2.00
	12" Fire Assembly														2.00
b	Furnishing and Setting Meter Interface Unit (MIU)														
	5/8"														1.00
	3/4 RFSS														1.00
	1"														1.00
	1" RFSS														1.00
	1 1/2														1.00
	1 1/2 RFSS														1.00
	2"														1.00
	2" RFSS														1.00
	3" Compound														2.00
	3" Turbine														2.00
	4" Compound														2.00
	4" Turbine														2.00
	6" Compound														2.00
	6" Turbine														2.00
	8"														2.00
	10"														2.00
3	Tampering of Meter														
a	5/8" or 3/4"														1.00
b	1", 1.5" or 2"														1.00
c	3" and larger														2.00
4	Shut-Off and Restoration of Water Service														
a	Non-payment														1.00
b	Non-compliance with Notice of Defect														1.00
c	Operating service valve 2" and smaller service lines														1.00
d	Operating service valve larger than 2" service lines														2.00
e	Obstructed curb stop, missing access box, requires excavation														4.00
f	Curb stop inoperable, requires installation of new curb stop														4.00
g	Obstructed curb stop, missing access box, requires excavation and footway paving														4.00
h	Curb stop inoperable, requires installation of new curb stop and footway paving														4.00
i	Excavation and shutoff of ferrule at the water main														5.00
5	Pumping of Properties														4.00
6	Charges for Water Main Shutdown Service														1.00
7	Water Connection Charges														
Ferrule Connections															
a	3/4"														1.00

Labor Cost Calculations

Line No.		Description	Tech 2	Grad Civil Engineer	WTR Supervisor	Inspector	Collector Unit	Electronic Tech II	Assistant	Electronic Equipment Supervisor	Environmental Scientist	Engineer	Engineering Co-Op	Engineering Specialist	GIS Analyst	Task Time (Hours)
b	1"															1.00
c	1.5"															1.00
d	2"															1.00
Valve Connections																
e	3" & 4"															32.00
f	6" & 8"															32.00
g	10" & 12"															36.00
Attachment to a Transmission Main																
3" & 4" Sleeve																
	16" Main															40.00
	20" Main															40.00
	24" Main															40.00
	30" Main															40.00
	36" Main															40.00
6" & 8" Sleeve																
	16" Main															40.00
	20" Main															40.00
	24" Main															40.00
	30" Main															40.00
	36" Main															40.00
10" & 12" Sleeve																
	16" Main															40.00
	20" Main															40.00
	24" Main															40.00
	30" Main															40.00
	36" Main															40.00
8	Discontinuance of Water															4.00
Hydrant Permits																
a	One Week															2.00
b	Six Month															2.00
10	Flow Tests															3.00
11	Water Service Line Investigations and/or Inspections					1.00										1.00
Section 7- Miscellaneous Sewer Charges																
3	Wastewater Discharge Permit	6.00														
4	Groundwater Discharge Permit	4.00														
5	Manhole Pump-out Permit	8.00														
6	Trucked or Hauled Wastewater Permit	0.00														
7	Photographic & Video Inspection															
Section 8- Miscellaneous Stormwater Charges																
Stormwater Plan Review Fees																
a	Conceptual Stormwater Plan Approval										4.75		8.25			
b	Post Construction Stormwater Plan Submission										0.83		2.83			
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)											1.00				
Stormwater Management Fee in Lieu																
a	Exemption to Water Quality Requirement															
b	Exemption to both Water Quality & Channel Protection Requirement															
Other- Not in the Miscellaneous Charges Section																
1	Sewer Credit Application Fee	0.00														
2	Sewer Credit Failure to Inform PWD about increase	0.00														
3	Stormwater Credit Application Fee													6.00	5.00	
4	Stormwater Credit Application Fee Renewal													6.00	5.00	

		Costs (Crew Size X Task Hours X Fully Burdened Personnel Rates-Not including Overtime)														
Line No.	Description	Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2	Tech Supervisor	Total Labor Cost	
	Section 6- Miscellaneous Water Charges															
1	Meter Test Charges															
a	5/8"	181.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$181.06	
b	1",1.5",2"	241.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$241.41	
c	3",4",6",8",10",12"	603.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$603.53	
d	Field Tests 3" and above	603.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$603.53	
2	Charges for Furnishing and Installation of Water Meters															
a	Setting both Meter and Meter Interface Unit (MIU)															
	5/8"	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
	3/4 RFSS	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
	1"	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	1" RFSS	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	1 1/2	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	1 1/2 RFSS	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	2"	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	2" RFSS	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	3" Compound	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	3" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	3" Fire Series	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	4" Compound	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	4" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	4" Fire Series	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	4" Fire Assembly	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	6" Compound	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	6" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	6" Fire Series	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	6" Fire Assembly	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	8" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	8" Fire Series	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	8" Fire Assembly	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	10" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	10" Fire Series	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	10" Fire Assembly	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	12" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	12" Fire Series	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	12" Fire Assembly	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
b	Furnishing and Setting Meter Interface Unit (MIU)															
	5/8"	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
	3/4 RFSS	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
	1"	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	1" RFSS	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	1 1/2	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	1 1/2 RFSS	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	2"	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	2" RFSS	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
	3" Compound	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	3" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	4" Compound	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	4" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	6" Compound	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	6" Turbine	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	8"	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
	10"	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
3	Tampering of Meter															
a	5/8" or 3/4"	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
b	1", 1.5" or 2"	160.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$160.94	
c	3" and larger	482.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$482.82	
4	Shut-Off and Restoration of Water Service															
a	Non-payment	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
b	Non-compliance with Notice of Defect	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
c	Operating service valve 2" and smaller service lines	80.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$80.47	
d	Operating service valve larger than 2" service lines	0.00	312.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$312.50	
e	Obstructed curb stop, missing access box, requires excavation	0.00	625.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$625.01	
f	Curb stop inoperable, requires installation of new curb stop	0.00	625.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$625.01	
g	Obstructed curb stop, missing access box, requires excavation and f	0.00	625.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$625.01	
h	Curb stop inoperable, requires installation of new curb stop and fod	0.00	625.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$625.01	
i	Excavation and shutoff of ferrule at the water main	0.00	0.00	0.00	103.33	738.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$841.44	
5	Pumping of Properties	0.00	0.00	0.00												

Line No.	Description	Costs (Crew Size X Task Hours X Fully Burdened Personnel Rates-Not including Overtime)													Total Labor Cost
		Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2	Tech Supervisor	
d	2" Valve Connections	0.00	0.00	0.00	20.67	147.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$168.29
e	3" & 4"	0.00	0.00	0.00	661.33	7085.81	2286.24	2645.31	0.00	0.00	0.00	0.00	0.00	0.00	\$12,678.69
f	6" & 8"	0.00	0.00	0.00	661.33	7085.81	2286.24	2645.31	0.00	0.00	0.00	0.00	0.00	0.00	\$12,678.69
g	10" & 12"	0.00	0.00	0.00	743.99	7971.54	2572.02	2975.98	0.00	0.00	0.00	0.00	0.00	0.00	\$14,263.53
	Attachment to a Transmission Main														
	3" & 4" Sleeve														
	16" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	20" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	24" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	30" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	36" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	6" & 8" Sleeve														
	16" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	20" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	24" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	30" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	36" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	10" & 12" Sleeve														
	16" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	20" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	24" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	30" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	36" Main	0.00	0.00	0.00	826.66	8857.26	2857.80	3306.64	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
8	Discontinuance of Water	0.00	0.00	0.00	82.67	295.24	285.78	330.66	0.00	0.00	0.00	0.00	0.00	0.00	\$994.35
9	Hydrant Permits														
a	One Week	0.00	0.00	0.00	0.00	295.24	0.00	0.00	0.00	34.97	0.00	0.00	0.00	0.00	\$330.21
b	Six Month	0.00	0.00	0.00	0.00	295.24	0.00	0.00	0.00	34.97	0.00	0.00	0.00	0.00	\$330.21
10	Flow Tests	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.12	419.60	51.97	260.41	0.00	0.00	\$847.09
11	Water Service Line Investigations and/or Inspections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$69.81
	Section 7- Miscellaneous Sewer Charges														
3	Wastewater Discharge Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1841.85	0.00	0.00	0.00	1888.34	0.00	\$4,406.20
4	Groundwater Discharge Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1534.87	0.00	0.00	0.00	1180.21	0.00	\$3,165.76
5	Manhole Pump-out Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1841.85	0.00	0.00	0.00	472.09	0.00	\$3,215.28
6	Trucked or Hauled Wastewater Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	920.92	0.00	0.00	0.00	1416.26	0.00	\$2,337.18
7	Photographic & Video Inspection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Section 8- Miscellaneous Stormwater Charges														
1	Stormwater Plan Review Fees														
a	Conceptual Stormwater Plan Approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,080.00
b	Post Construction Stormwater Plan Submission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$280.03
c	Post Construction Stormwater Plan Approval (Additional Review Time)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$145.67
2	Stormwater Management Fee in Lieu														
a	Exemption to Water Quality Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
b	Exemption to both Water Quality & Channel Protection Requirements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Other- Not in the Miscellaneous Charges Section														
1	Sewer Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	460.46	0.00	0.00	0.00	1180.21	0.00	\$1,640.67
2	Sewer Credit Failure to Inform PWD about increase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.49	0.00	0.00	0.00	118.02	0.00	\$271.51
3	Stormwater Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,356.54
4	Stormwater Credit Application Fee Renewal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,356.54

Black & Veatch	14	2/27/2018
----------------	----	-----------

Line No.	Description														Total Labor Cost
		Tech 2	Grad Civil Engineer	WTR Supervisor	Inspector	Collector Unit	Electronic Tech II	Assistant	Electronic Equipment Supervisor	Environmental Scientist	Engineer	Engineering Co-Op	Engineering Specialist	GIS Analyst	
d	2" Valve Connections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$168.29
e	3" & 4"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$12,678.69
f	6" & 8"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$12,678.69
g	10" & 12"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$14,263.53
	Attachment to a Transmission Main														
	3" & 4" Sleeve														
	16" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	20" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	24" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	30" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	36" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	6" & 8" Sleeve														
	16" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	20" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	24" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	30" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	36" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	10" & 12" Sleeve														
	16" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	20" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	24" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	30" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
	36" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,848.36
8	Discontinuance of Water Hydrant Permits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$994.35
a	One Week	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$330.21
b	Six Month	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$330.21
10	Flow Tests	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$847.09
11	Water Service Line Investigations and/or Inspections	0.00	0.00	0.00	69.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$69.81
	Section 7- Miscellaneous Sewer Charges														
3	Wastewater Discharge Permit	676.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$4,406.20
4	Groundwater Discharge Permit	450.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$3,165.76
5	Manhole Pump-out Permit	901.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$3,215.28
6	Trucked or Hauled Wastewater Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,337.18
7	Photographic & Video Inspection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Section 8- Miscellaneous Stormwater Charges														
1	Stormwater Plan Review Fees														
a	Conceptual Stormwater Plan Approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	537.44	0.00	542.57	0.00	0.00	\$1,080.00
b	Post Construction Stormwater Plan Submission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.91	0.00	186.12	0.00	0.00	\$280.03
c	Post Construction Stormwater Plan Approval (Additional Review Time)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.67	0.00	0.00	0.00	\$145.67
2	Stormwater Management Fee in Lieu														
a	Exemption to Water Quality Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
b	Exemption to both Water Quality & Channel Protection Requirements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Other- Not in the Miscellaneous Charges Section														
1	Sewer Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,640.67
2	Sewer Credit Failure to Inform PWD about increase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$271.51
3	Stormwater Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	796.48	560.07	\$1,356.54
4	Stormwater Credit Application Fee Renewal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	796.48	560.07	\$1,356.54

Line No.	Description	Costs (Crew Size X Task Hours X Fully Burdened Personnel Rates including Overtime)													Total Labor Cost (with Overtime)
		Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2	Tech Supervisor	
	Section 6- Miscellaneous Water Charges														
1	Meter Test Charges														
a	5/8"	191.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$191.69
b	1",1.5",2"	255.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$255.59
c	3",4",6",8",10",12"	638.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$638.97
d	Field Tests 3" and above	638.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$638.97
2	Charges for Furnishing and Installation of Water Meters														
a	Setting both Meter and Meter Interface Unit (MIU)														
	5/8"	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	3/4 RFSS	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	1"	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1" RFSS	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2 RFSS	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2"	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2" RFSS	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	3" Compound	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	3" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	3" Fire Series	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Compound	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Fire Series	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Fire Assembly	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Compound	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Fire Series	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Fire Assembly	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8" Fire Series	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8" Fire Assembly	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10" Fire Series	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10" Fire Assembly	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	12" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	12" Fire Series	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	12" Fire Assembly	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
b	Furnishing and Setting Meter Interface Unit (MIU)														
	5/8"	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	3/4 RFSS	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	1"	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1" RFSS	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2 RFSS	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2"	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2" RFSS	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	3" Compound	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	3" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Compound	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Compound	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Turbine	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8"	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10"	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
3	Tampering of Meter														
a	5/8" or 3/4"	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
b	1", 1.5" or 2"	170.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
c	3" and larger	511.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
4	Shut-Off and Restoration of Water Service														
a	Non-payment	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
b	Non-compliance with Notice of Defect	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
c	Operating service valve 2" and smaller service lines	85.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
d	Operating service valve larger than 2" service lines	0.00	330.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$330.85
e	Obstructed curb stop, missing access box, requires excavation	0.00	661.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
f	Curb stop inoperable, requires installation of new curb stop	0.00	661.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
g	Obstructed curb stop, missing access box, requires excavation and f	0.00	661.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
h	Curb stop inoperable, requires installation of new curb stop and fod	0.00	661.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
i	Excavation and shutoff of ferrule at the water main	0.00	0.00	0.00	109.40	781.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$890.85
5	Pumping of Properties	0.00	0.00	0.00	87.52	625.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$712.68
6	Charges for Water Main Shutdown Service	0.00	0.00	0.00	21.88	156.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
7	Water Connection Charges														
	Ferrule Connections														
a	3/4"	0.00	0.00	0.00	21.88	156.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
b	1"	0.00	0.00	0.00	21.88	156.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
c	1.5"	0.00	0.00	0.00	21.88	156.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17

Line No.	Description	Costs (Crew Size X Task Hours X Fully Burdened Personnel Rates including Overtime)													Total Labor Cost (with Overtime)
		Water Field Cust Serv Rep	Water Field Cust Serv Rep (D&R)	Water Field Cust Serv Sup (D&R)	Crew Chief	Repair Worker	Equipment Operator	Heavy Equipment Operator	Engineer 3/ WTR Engineer 1	Engineering Specialist	Engineering Aid	Engineering Technician	Engineer 2	Tech Supervisor	
d	2" Valve Connections	0.00	0.00	0.00	21.88	156.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
e	3" & 4"	0.00	0.00	0.00	700.16	7501.89	2420.49	2800.65	0.00	0.00	0.00	0.00	0.00	0.00	\$13,423.18
f	6" & 8"	0.00	0.00	0.00	700.16	7501.89	2420.49	2800.65	0.00	0.00	0.00	0.00	0.00	0.00	\$13,423.18
g	10" & 12"	0.00	0.00	0.00	787.68	8439.62	2723.05	3150.73	0.00	0.00	0.00	0.00	0.00	0.00	\$15,101.08
	Attachment to a Transmission Main														
	3" & 4" Sleeve														
	16" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	20" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	24" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	30" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	36" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	6" & 8" Sleeve														
	16" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	20" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	24" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	30" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	36" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	10" & 12" Sleeve														
	16" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	20" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	24" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	30" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	36" Main	0.00	0.00	0.00	875.20	9377.36	3025.61	3500.81	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
8	Discontinuance of Water	0.00	0.00	0.00	87.52	312.58	302.56	350.08	0.00	0.00	0.00	0.00	0.00	0.00	\$1,052.74
9	Hydrant Permits														
a	One Week	0.00	0.00	0.00	0.00	312.58	0.00	0.00	0.00	37.02	0.00	0.00	0.00	0.00	\$349.60
b	Six Month	0.00	0.00	0.00	0.00	312.58	0.00	0.00	0.00	37.02	0.00	0.00	0.00	0.00	\$349.60
10	Flow Tests	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.87	444.24	55.02	275.70	0.00	0.00	\$896.83
11	Water Service Line Investigations and/or Inspections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$73.91
	Section 7- Miscellaneous Sewer Charges														
3	Wastewater Discharge Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1950.00	0.00	0.00	0.00	1999.22	0.00	\$4,664.93
4	Groundwater Discharge Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1625.00	0.00	0.00	0.00	1249.51	0.00	\$3,351.65
5	Manhole Pump-out Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1950.00	0.00	0.00	0.00	499.81	0.00	\$3,404.08
6	Trucked or Hauled Wastewater Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	975.00	0.00	0.00	0.00	1499.42	0.00	\$2,474.42
7	Photographic & Video Inspection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Section 8- Miscellaneous Stormwater Charges														
1	Stormwater Plan Review Fees														
a	Conceptual Stormwater Plan Approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,084.02
b	Post Construction Stormwater Plan Submission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$281.07
c	Post Construction Stormwater Plan Approval (Additional Review Time)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$146.22
2	Stormwater Management Fee in Lieu														
a	Exemption to Water Quality Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
b	Exemption to both Water Quality & Channel Protection Requirements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Other- Not in the Miscellaneous Charges Section														
1	Sewer Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	487.50	0.00	0.00	0.00	1249.51	0.00	\$1,737.01
2	Sewer Credit Failure to Inform PWD about increase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.50	0.00	0.00	0.00	124.95	0.00	\$287.45
3	Stormwater Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,361.59
4	Stormwater Credit Application Fee Renewal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,361.59

Line No.	Description														Total Labor Cost (with Overtime)
		Tech 2	Grad Civil Engineer	WTR Supervisor	Inspector	Collector Unit	Electronic Tech II	Assistant	Electronic Equipment Supervisor	Environmenta I Scientist	Engineer	Engineering Co-Op	Engineering Specialist	GIS Analyst	
	Section 6- Miscellaneous Water Charges														
1	Meter Test Charges														
a	5/8"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$191.69
b	1",1.5",2"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$255.59
c	3",4",6",8",10",12"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$638.97
d	Field Tests 3" and above	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$638.97
2	Charges for Furnishing and Installation of Water Meters														
a	Setting both Meter and Meter Interface Unit (MIU)														
	5/8"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	3/4 RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	1"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1" RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2 RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2" RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	3" Compound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	3" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	3" Fire Series	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Compound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Fire Series	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Fire Assembly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Compound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Fire Series	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Fire Assembly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8" Fire Series	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8" Fire Assembly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10" Fire Series	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10" Fire Assembly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	12" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	12" Fire Series	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	12" Fire Assembly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
b	Furnishing and Setting Meter Interface Unit (MIU)														
	5/8"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	3/4 RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
	1"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1" RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	1 1/2 RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	2" RFSS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
	3" Compound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	3" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Compound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	4" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Compound	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	6" Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	8"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
	10"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
3	Tampering of Meter														
a	5/8" or 3/4"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
b	1", 1.5" or 2"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$170.39
c	3" and larger	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$511.17
4	Shut-Off and Restoration of Water Service														
a	Non-payment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
b	Non-compliance with Notice of Defect	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
c	Operating service valve 2" and smaller service lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$85.20
d	Operating service valve larger than 2" service lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$330.85
e	Obstructed curb stop, missing access box, requires excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
f	Curb stop inoperable, requires installation of new curb stop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
g	Obstructed curb stop, missing access box, requires excavation and f	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
h	Curb stop inoperable, requires installation of new curb stop and fod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$661.71
i	Excavation and shutoff of ferrule at the water main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$890.85
5	Pumping of Properties	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$712.68
6	Charges for Water Main Shutdown Service	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
7	Water Connection Charges														
	Ferrule Connections														
a	3/4"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
b	1"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
c	1.5"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17

Line No.	Description														Total Labor Cost (with Overtime)
		Tech 2	Grad Civil Engineer	WTR Supervisor	Inspector	Collector Unit	Electronic Tech II	Assistant	Electronic Equipment Supervisor	Environmental Scientist	Engineer	Engineering Co-Op	Engineering Specialist	GIS Analyst	
d	2" Valve Connections	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$178.17
e	3" & 4"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$13,423.18
f	6" & 8"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$13,423.18
g	10" & 12"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$15,101.08
	Attachment to a Transmission Main														
	3" & 4" Sleeve														
	16" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	20" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	24" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	30" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	36" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	6" & 8" Sleeve														
	16" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	20" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	24" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	30" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	36" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	10" & 12" Sleeve														
	16" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	20" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	24" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	30" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
	36" Main	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$16,778.98
8	Discontinuance of Water Hydrant Permits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,052.74
a	One Week	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$349.60
b	Six Month	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$349.60
10	Flow Tests	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$896.83
11	Water Service Line Investigations and/or Inspections	0.00	0.00	0.00	73.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$73.91
	Section 7- Miscellaneous Sewer Charges														
3	Wastewater Discharge Permit	715.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$4,664.93
4	Groundwater Discharge Permit	477.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$3,351.65
5	Manhole Pump-out Permit	954.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$3,404.08
6	Trucked or Hauled Wastewater Permit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,474.42
7	Photographic & Video Inspection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Section 8- Miscellaneous Stormwater Charges														
1	Stormwater Plan Review Fees														
a	Conceptual Stormwater Plan Approval	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	539.44	0.00	544.58	0.00	0.00	\$1,084.02
b	Post Construction Stormwater Plan Submission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.26	0.00	186.81	0.00	0.00	\$281.07
c	Post Construction Stormwater Plan Approval (Additional Review Time)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146.22	0.00	0.00	0.00	\$146.22
2	Stormwater Management Fee in Lieu														
a	Exemption to Water Quality Requirement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
b	Exemption to both Water Quality & Channel Protection Requirements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00
	Other- Not in the Miscellaneous Charges Section														
1	Sewer Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,737.01
2	Sewer Credit Failure to Inform PWD about increase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$287.45
3	Stormwater Credit Application Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	799.44	562.15	\$1,361.59
4	Stormwater Credit Application Fee Renewal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	799.44	562.15	\$1,361.59

Equipment Cost Calculations

Line No.	Description	Number of Equipment Used											Task Time (Hours)
		Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	Small Vehicle	
	Section 6- Miscellaneous Water Charges												
1	Meter Test Charges												
a	5/8"	1.00						1.00					1.00
b	1",1.5",2"	1.00						1.00					1.50
c	3",4",6",8",10",12"	1.00					1.00						2.50
d	Field Tests 3" and above	1.00					1.00						2.50
2	Charges for Furnishing and Installation of Water Meters												
a	Setting both Meter and Meter Interface Unit (MIU)												
	5/8"							1.00					1.00
	3/4 RFSS							1.00					1.00
	1"							1.00					1.00
	1" RFSS							1.00					1.00
	1 1/2							1.00					1.00
	1 1/2 RFSS							1.00					1.00
	2"							1.00					1.00
	2" RFSS							1.00					1.00
	3" Compound						1.00						2.00
	3" Turbine						1.00						2.00
	3" Fire Series						1.00						2.00
	4" Compound						1.00						2.00
	4" Turbine						1.00						2.00
	4" Fire Series						1.00						2.00
	4" Fire Assembly						1.00						2.00
	6" Compound						1.00						2.00
	6" Turbine						1.00						2.00
	6" Fire Series						1.00						2.00
	6" Fire Assembly						1.00						2.00
	8" Turbine						1.00						2.00
	8" Fire Series						1.00						2.00
	8" Fire Assembly						1.00						2.00
	10" Turbine						1.00						2.00
	10" Fire Series						1.00						2.00
	10" Fire Assembly						1.00						2.00
	12" Turbine						1.00						2.00
	12" Fire Series						1.00						2.00
	12" Fire Assembly						1.00						2.00
b	Furnishing and Setting Meter Interface Unit (MIU)												
	5/8"							1.00					1.00
	3/4 RFSS							1.00					1.00
	1"							1.00					1.00
	1" RFSS							1.00					1.00
	1 1/2							1.00					1.00
	1 1/2 RFSS							1.00					1.00
	2"							1.00					1.00
	2" RFSS							1.00					1.00
	3" Compound						1.00						2.00
	3" Turbine						1.00						2.00
	4" Compound						1.00						2.00
	4" Turbine						1.00						2.00

Equipment Cost Calculations

Line No.		Description	Number of Equipment Used											Task Time (Hours)	
			Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	Small Vehicle		CCTV Truck
		6" Compound						1.00							2.00
		6" Turbine						1.00							2.00
		8"						1.00							2.00
		10"						1.00							2.00
3		Tampering of Meter													
a		5/8" or 3/4"							1.00						1.00
b		1", 1.5" or 2"							1.00						1.00
c		3" and larger						1.00							2.00
4		Shut-Off and Restoration of Water Service													
a		Non-payment							1.00						1.00
b		Non-compliance with Notice of Defect							1.00						1.00
c		Operating service valve 2" and smaller service lines							1.00						1.00
d		Operating service valve larger than 2" service lines						1.00	0.25						2.00
e		Obstructed curb stop, missing access box, requires excavation						1.00	0.25						4.00
f		Curb stop inoperable, requires installation of new curb stop						1.00	0.25						4.00
g		Obstructed curb stop, missing access box, requires excavation and footway paving						1.00	0.25						4.00
h		Curb stop inoperable, requires installation of new curb stop and footway paving						1.00	0.25						4.00
i		Excavation and shutoff of ferrule at the water main		1.00		1.00		1.00	0.25						5.00
5		Pumping of Properties								1.00					4.00
6		Charges for Water Main Shutdown Service						1.00							1.00
7		Water Connection Charges													
		Ferrule Connections													
a		3/4"							1.25						1.00
b		1"							1.25						1.00
c		1.5"							1.25						1.00
d		2"							1.25						1.00
		Valve Connections													
e		3" & 4"		1.00				1.00	0.25						32.00
f		6" & 8"		1.00				1.00	0.25						32.00
g		10" & 12"		1.00				1.00	0.25						36.00
		Attachment to a Transmission Main													
		3" & 4" Sleeve													
		16" Main		1.00				1.00	0.25						40.00
		20" Main		1.00				1.00	0.25						40.00
		24" Main		1.00				1.00	0.25						40.00
		30" Main		1.00				1.00	0.25						40.00
		36" Main		1.00				1.00	0.25						40.00
		6" & 8" Sleeve													
		16" Main		1.00				1.00	0.25						40.00
		20" Main		1.00				1.00	0.25						40.00
		24" Main		1.00				1.00	0.25						40.00
		30" Main		1.00				1.00	0.25						40.00
		36" Main		1.00				1.00	0.25						40.00
		10" & 12" Sleeve													
		16" Main		1.00				1.00	0.25						40.00
		20" Main		1.00				1.00	0.25						40.00
		24" Main		1.00				1.00	0.25						40.00
		30" Main		1.00				1.00	0.25						40.00
		36" Main		1.00				1.00	0.25						40.00

Equipment Cost Calculations

Line No.		Description	Number of Equipment Used											Task Time (Hours)
			Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	Small Vehicle	
8	Discontinuance of Water			1.00				1.00						4.00
9	Hydrant Permits													
a	One Week						1.00							2.00
b	Six Month						1.00							2.00
10	Flow Tests							1.00						3.00
11	Water Service Line Investigations and/or Inspections							1.00						1.00
Section 7- Miscellaneous Sewer Charges														
3	Wastewater Discharge Permit													0.00
4	Groundwater Discharge Permit													0.00
5	Manhole Pump-out Permit													0.00
6	Trucked or Hauled Wastewater Permit													0.00
7	Photographic & Video Inspection													0.00
Section 8- Miscellaneous Stormwater Charges														
1	Stormwater Plan Review Fees													
a	Conceptual Stormwater Plan Approval													0.00
b	Post Construction Stormwater Plan Submission													0.00
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)													0.00
2	Stormwater Management Fee in Lieu													
a	Exemption to Water Quality Requirement													0.00
b	Exemption to both Water Quality & Channel Protection Requirement													0.00
Other- Not in the Miscellaneous Charges Section														
1	Sewer Credit Application Fee													0.00
2	Sewer Credit Failure to Inform PWD about increase													0.00
3	Stormwater Credit Application Fee													0.00
4	Stormwater Credit Application Fee Renewal													0.00

Line No.	Description	Costs (No. of Equipment X Task Hours X Equipment Rates)												Total
		Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	Small Vehicle	CCTV Truck	
	Section 6- Miscellaneous Water Charges													
1	Meter Test Charges													
a	5/8"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
b	1",1.5",2"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.25
c	3",4",6",8",10",12"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.63
d	Field Tests 3" and above	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.63
2	Charges for Furnishing and Installation of Water Meters													
a	Setting both Meter and ERT													
	5/8"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	3/4 RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1" RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1 1/2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1 1/2 RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	2"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	2" RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	3" Compound	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	3" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	3" Fire Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	4" Compound	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	4" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	4" Fire Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	4" Fire Assembly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	6" Compound	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	6" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	6" Fire Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	6" Fire Assembly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	8" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	8" Fire Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	8" Fire Assembly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	10" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	10" Fire Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	10" Fire Assembly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	12" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	12" Fire Series	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	12" Fire Assembly	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
b	Furnishing and Setting Meter Interface Unit (MIU)													
	5/8"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	3/4 RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1" RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1 1/2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	1 1/2 RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	2"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	2" RFSS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
	3" Compound	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	3" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	4" Compound	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	4" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
	6" Compound	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90

Line No.		Description	Costs (No. of Equipment X Task Hours X Equipment Rates)											Total
			Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	Small Vehicle	
		6" Turbine	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
		8"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
		10"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
3		Tampering of Meter												
a		5/8" or 3/4"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
b		1", 1.5" or 2"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
c		3" and larger	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.90
4		Shut-Off and Restoration of Water Service												
a		Non-payment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
b		Non-compliance with Notice of Defect	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
c		Operating service valve 2" and smaller service lines	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$21.50
d		Operating service valve larger than 2" service lines	\$0.00	\$0.00	\$0.00	\$0.00	\$84.50	\$0.00	\$10.75	\$0.00	\$0.00	\$0.00	\$0.00	\$95.25
e		Obstructed curb stop, missing access box, requires excavation	\$0.00	\$0.00	\$0.00	\$0.00	\$169.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$190.50
f		Curb stop inoperable, requires installation of new curb stop	\$0.00	\$0.00	\$0.00	\$0.00	\$169.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$190.50
e		Obstructed curb stop, missing access box, requires excavation and footway paving	\$0.00	\$0.00	\$0.00	\$0.00	\$169.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$190.50
f		Curb stop inoperable, requires installation of new curb stop and footway paving	\$0.00	\$0.00	\$0.00	\$0.00	\$169.00	\$0.00	\$21.50	\$0.00	\$0.00	\$0.00	\$0.00	\$190.50
g		Excavation and shutoff of ferrule at the water main	\$0.00	\$205.00	\$0.00	\$375.00	\$211.25	\$0.00	\$26.88	\$0.00	\$0.00	\$0.00	\$0.00	\$818.13
5		Pumping of Properties	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.00	\$0.00	\$0.00	\$32.00
6		Charges for Water Main Shutdown Service	\$0.00	\$0.00	\$0.00	\$0.00	\$42.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.25
7		Water Connection Charges												
		Ferrule Connections												
a		3/4"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88
b		1"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88
c		1.5"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88
d		2"	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88	\$0.00	\$0.00	\$0.00	\$0.00	\$26.88
		Valve Connections												
e		3" & 4"	\$0.00	\$1,312.00	\$0.00	\$0.00	\$0.00	\$622.40	\$172.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,106.40
f		6" & 8"	\$0.00	\$1,312.00	\$0.00	\$0.00	\$0.00	\$622.40	\$172.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,106.40
g		10" & 12"	\$0.00	\$1,476.00	\$0.00	\$0.00	\$0.00	\$700.20	\$193.50	\$0.00	\$0.00	\$0.00	\$0.00	\$2,369.70
		Attachment to a Transmission Main												
		3" & 4" Sleeve												
		16" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		20" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		24" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		30" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		36" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		6" & 8" Sleeve												
		16" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		20" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		24" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		30" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		36" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		10" & 12" Sleeve												
		16" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		20" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		24" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		30" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
		36" Main	\$0.00	\$1,640.00	\$0.00	\$0.00	\$0.00	\$778.00	\$215.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,633.00
8		Discontinuance of Water	\$0.00	\$164.00	\$0.00	\$0.00	\$0.00	\$77.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$241.80
9		Hydrant Permits												
a		One Week	\$0.00	\$0.00	\$0.00	\$0.00	\$84.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$84.50

Line No.		Description	Costs (No. of Equipment X Task Hours X Equipment Rates)											Total
			Meter Test Bench	Backhoe	Compressor	Large Dump Truck	Small Utility Truck	Crew Truck	SUV/ Van	Jackhammer	Pump	Generator	Small Vehicle	
b	Six Month		\$0.00	\$0.00	\$0.00	\$0.00	\$84.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$84.50
10	Flow Tests		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$64.50	\$0.00	\$0.00	\$0.00	\$0.00	\$64.50
11	Water Service Line Investigations and/or Inspections		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.45
	Section 7- Miscellaneous Sewer Charges													
3	Wastewater Discharge Permit		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	Groundwater Discharge Permit		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	Manhole Pump-out Permit		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	Trucked or Hauled Wastewater Permit		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	Photographic & Video Inspection		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Section 8- Miscellaneous Stormwater Charges													
1	Stormwater Plan Review Fees													
a	Conceptual Stormwater Plan Approval		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
b	Post Construction Stormwater Plan Submission		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	Stormwater Management Fee in Lieu													
a	Exemption to Water Quality Requirement		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
b	Exemption to both Water Quality & Channel Protection Requirement		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Other- Not in the Miscellaneous Charges Section													
1	Sewer Credit Application Fee		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	Sewer Credit Failure to Inform PWD about increase		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	Stormwater Credit Application Fee		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	Stormwater Credit Application Fee Renewal		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Material Cost Calculations

Line No.	Description	Cost of Materials Used														Total Materials Cost
		Meter	Curb Box	Curb Stop	Ferrule	Adapter	Valve	Sleeve	Caps	Bands	Fasteners	Temp Paving	Street Restoration	Contractor Costs	Hydrant Permit	
	Section 6- Miscellaneous Water Charges															
1	Meter Test Charges															
a	5/8"															\$0.00
b	1",1.5",2"															\$0.00
c	3",4",6",8",10",12"															\$0.00
d	Field Tests 3" and above															\$0.00
2	Charges for Furnishing and Installation of Water Meters															
a	Setting both Meter and Meter Interface Unit (MIU)															
	5/8"	\$147.82														\$147.82
	3/4 RFSS	\$326.00														\$326.00
	1"	\$240.05														\$240.05
	1" RFSS	\$334.00														\$334.00
	1 1/2	\$618.55														\$618.55
	1 1/2 RFSS	\$563.94														\$563.94
	2"	\$718.91														\$718.91
	2" RFSS	\$782.00														\$782.00
	3" Compound	\$1,855.00														\$1,855.00
	3" Turbine	\$968.72														\$968.72
	3" Fire Series	\$2,856.18														\$2,856.18
	4" Compound	\$2,269.07														\$2,269.07
	4" Turbine	\$2,010.00														\$2,010.00
	4" Fire Series	\$3,144.24														\$3,144.24
	4" Fire Assembly	\$5,500.00														\$5,500.00
	6" Compound	\$4,300.00														\$4,300.00
	6" Turbine	\$3,550.00														\$3,550.00
	6" Fire Series	\$4,795.03														\$4,795.03
	6" Fire Assembly	\$7,400.00														\$7,400.00
	8" Turbine	\$4,931.06														\$4,931.06
	8" Fire Series	\$5,567.43														\$5,567.43
	8" Fire Assembly	\$10,620.70														\$10,620.70
	10" Turbine	\$7,272.17														\$7,272.17
	10" Fire Series	\$8,000.00														\$8,000.00
	10" Fire Assembly	\$14,784.42														\$14,784.42
	12" Turbine	\$7,385.66														\$7,385.66
	12" Fire Series	\$8,189.57														\$8,189.57
	12" Fire Assembly	\$15,655.08														\$15,655.08
b	Furnishing and Setting Meter Interface Unit (MIU)															
	5/8"															\$0.00
	3/4 RFSS															\$0.00
	1"															\$0.00
	1" RFSS															\$0.00
	1 1/2															\$0.00
	1 1/2 RFSS															\$0.00
	2"															\$0.00
	2" RFSS															\$0.00
	3" Compound															\$0.00
	3" Turbine															\$0.00
	4" Compound															\$0.00
	4" Turbine															\$0.00
	6" Compound															\$0.00
	6" Turbine															\$0.00

Material Cost Calculations

Line No.		Description	Cost of Materials Used													Total Materials Cost
			Meter	Curb Box	Curb Stop	Ferrule	Adapter	Valve	Sleeve	Caps	Bands	Fasteners	Temp Paving	Street Restoration	Contractor Costs	
		8"														\$0.00
		10"														\$0.00
3		Tampering of Meter														
a		5/8" or 3/4"														\$0.00
b		1", 1.5" or 2"														\$0.00
c		3" and larger														\$0.00
4		Shut-Off and Restoration of Water Service														
a		Non-payment														\$0.00
b		Non-compliance with Notice of Defect														\$0.00
c		Operating service valve 2" and smaller service lines														\$0.00
d		Operating service valve larger than 2" service lines														\$0.00
e		Obstructed curb stop, missing access box, requires excavation														\$0.00
f		Curb stop inoperable, requires installation of new curb stop			\$46.59											\$46.59
g		Obstructed curb stop, missing access box, requires excavation and footway paving														\$0.00
h		Curb stop inoperable, requires installation of new curb stop and footway paving			\$46.59											\$46.59
i		Excavation and shutoff of ferrule at the water main											\$325.00			\$325.00
5		Pumping of Properties														\$0.00
6		Charges for Water Main Shutdown Service														\$0.00
7		Water Connection Charges														
		Ferrule Connections														
a		3/4"				\$26.43	\$16.62									\$43.05
b		1"				\$39.25	\$32.77									\$72.02
c		1.5"				\$168.75										\$168.75
d		2"				\$231.25										\$231.25
		Valve Connections														
e		3" & 4"						\$420.53	\$111.43			\$60.00	\$325.00			\$916.96
f		6" & 8"						\$697.03	\$74.52			\$60.00	\$325.00			\$1,156.55
g		10" & 12"						\$1,463.19	\$118.98			\$60.00	\$325.00			\$1,967.16
		Attachment to a Transmission Main														
		3" & 4" Sleeve														
		16" Main						\$4,608.45				\$60.00	\$325.00			\$4,993.45
		20" Main						\$5,990.99				\$60.00	\$325.00			\$6,375.99
		24" Main						\$7,603.94				\$60.00	\$325.00			\$7,988.94
		30" Main						\$17,978.00				\$60.00	\$325.00			\$18,363.00
		36" Main						\$23,140.00				\$60.00	\$325.00			\$23,525.00
		6" & 8" Sleeve														
		16" Main						\$4,723.66				\$60.00	\$325.00			\$5,108.66
		20" Main						\$5,760.56				\$60.00	\$325.00			\$6,145.56
		24" Main						\$7,603.94				\$60.00	\$325.00			\$7,988.94
		30" Main						\$18,583.00				\$60.00	\$325.00			\$18,968.00
		36" Main						\$24,960.00				\$60.00	\$325.00			\$25,345.00
		10" & 12" Sleeve														
		16" Main						\$3,574.80				\$60.00	\$325.00			\$3,959.80
		20" Main						\$4,428.00				\$60.00	\$325.00			\$4,813.00
		24" Main						\$5,616.00				\$60.00	\$325.00			\$6,001.00
		30" Main						\$19,937.00				\$60.00	\$325.00			\$20,322.00
		36" Main						\$28,582.00				\$60.00	\$325.00			\$28,967.00
8		Discontinuance of Water							\$235.67	\$165.33	\$19.39	\$120.00				\$540.39
9		Hydrant Permits														
a		One Week													\$476.18	\$476.18
b		Six Month													\$2,952.17	\$2,952.17

Material Cost Calculations

Line No.		Description	Cost of Materials Used													Total Materials Cost
			Meter	Curb Box	Curb Stop	Ferrule	Adapter	Valve	Sleeve	Caps	Bands	Fasteners	Temp Paving	Street Restoration	Contractor Costs	
10	Flow Tests															\$0.00
11	Water Service Line Investigations and/or Inspections															\$0.00
	Section 7- Miscellaneous Sewer Charges															
3	Wastewater Discharge Permit															\$0.00
4	Groundwater Discharge Permit															\$0.00
5	Manhole Pump-out Permit															\$0.00
6	Trucked or Hauled Wastewater Permit															\$0.00
7	Photographic & Video Inspection													\$275.00		\$275.00
	Section 8- Miscellaneous Stormwater Charges															
1	Stormwater Plan Review Fees															
a	Conceptual Stormwater Plan Approval													\$76.14		\$76.14
b	Post Construction Stormwater Plan Submission															\$0.00
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)															\$0.00
2	Stormwater Management Fee in Lieu															
a	Exemption to Water Quality Requirement															\$0.00
b	Exemption to both Water Quality & Channel Protection Requirement															\$0.00
	Other- Not in the Miscellaneous Charges Section															
1	Sewer Credit Application Fee															\$0.00
2	Sewer Credit Failure to Inform PWD about increase															\$0.00
3	Stormwater Credit Application Fee															\$0.00
4	Stormwater Credit Application Fee Renewal															\$0.00

Fee Calculation

Line No.	Description	Costs			
		Labor (No Overtime)	Equipment	Material/ Contractor	Total Cost (No Overtime)
	Section 6- Miscellaneous Water Charges				
1	Meter Test Charges				
a	5/8"	\$181.06	\$21.50	\$0.00	\$202.56
b	1",1.5",2"	\$241.41	\$32.25	\$0.00	\$273.66
c	3",4",6",8",10",12"	\$603.53	\$48.63	\$0.00	\$652.15
d	Field Tests 3" and above	\$603.53	\$48.63	\$0.00	\$652.15
2	Charges for Furnishing and Installation of Water Meters				
a	Setting both Meter and ERT				
	5/8"	\$80.47	\$21.50	\$147.82	\$249.79
	3/4 RFSS	\$80.47	\$21.50	\$326.00	\$427.97
	1"	\$160.94	\$21.50	\$240.05	\$422.49
	1" RFSS	\$160.94	\$21.50	\$334.00	\$516.44
	1 1/2	\$160.94	\$21.50	\$618.55	\$800.99
	1 1/2 RFSS	\$160.94	\$21.50	\$563.94	\$746.38
	2"	\$160.94	\$21.50	\$718.91	\$901.35
	2" RFSS	\$160.94	\$21.50	\$782.00	\$964.44
	3" Compound	\$482.82	\$38.90	\$1,855.00	\$2,376.72
	3" Turbine	\$482.82	\$38.90	\$968.72	\$1,490.44
	3" Fire Series	\$482.82	\$38.90	\$2,856.18	\$3,377.90
	4" Compound	\$482.82	\$38.90	\$2,269.07	\$2,790.79
	4" Turbine	\$482.82	\$38.90	\$2,010.00	\$2,531.72
	4" Fire Series	\$482.82	\$38.90	\$3,144.24	\$3,665.96
	4" Fire Assembly	\$482.82	\$38.90	\$5,500.00	\$6,021.72
	6" Compound	\$482.82	\$38.90	\$4,300.00	\$4,821.72
	6" Turbine	\$482.82	\$38.90	\$3,550.00	\$4,071.72
	6" Fire Series	\$482.82	\$38.90	\$4,795.03	\$5,316.75
	6" Fire Assembly	\$482.82	\$38.90	\$7,400.00	\$7,921.72
	8" Turbine	\$482.82	\$38.90	\$4,931.06	\$5,452.78
	8" Fire Series	\$482.82	\$38.90	\$5,567.43	\$6,089.15
	8" Fire Assembly	\$482.82	\$38.90	\$10,620.70	\$11,142.42
	10" Turbine	\$482.82	\$38.90	\$7,272.17	\$7,793.89
	10" Fire Series	\$482.82	\$38.90	\$8,000.00	\$8,521.72
	10" Fire Assembly	\$482.82	\$38.90	\$14,784.42	\$15,306.14
	12" Turbine	\$482.82	\$38.90	\$7,385.66	\$7,907.38
	12" Fire Series	\$482.82	\$38.90	\$8,189.57	\$8,711.29
	12" Fire Assembly	\$482.82	\$38.90	\$15,655.08	\$16,176.80
b	Furnishing and Setting ERT				
	5/8"	\$80.47	\$21.50	\$0.00	\$101.97
	3/4 RFSS	\$80.47	\$21.50	\$0.00	\$101.97
	1"	\$160.94	\$21.50	\$0.00	\$182.44
	1" RFSS	\$160.94	\$21.50	\$0.00	\$182.44
	1 1/2	\$160.94	\$21.50	\$0.00	\$182.44
	1 1/2 RFSS	\$160.94	\$21.50	\$0.00	\$182.44
	2"	\$160.94	\$21.50	\$0.00	\$182.44
	2" RFSS	\$160.94	\$21.50	\$0.00	\$182.44
	3" Compound	\$482.82	\$38.90	\$0.00	\$521.72
	3" Turbine	\$482.82	\$38.90	\$0.00	\$521.72
	4" Compound	\$482.82	\$38.90	\$0.00	\$521.72
	4" Turbine	\$482.82	\$38.90	\$0.00	\$521.72
	6" Compound	\$482.82	\$38.90	\$0.00	\$521.72
	6" Turbine	\$482.82	\$38.90	\$0.00	\$521.72
	8"	\$482.82	\$38.90	\$0.00	\$521.72
	10"	\$482.82	\$38.90	\$0.00	\$521.72
3	Tampering of Meter				
a	5/8" or 3/4"	\$80.47	\$21.50	\$0.00	\$101.97
b	1", 1.5" or 2"	\$160.94	\$21.50	\$0.00	\$182.44
c	3" and larger	\$482.82	\$38.90	\$0.00	\$521.72
4	Shut-Off and Restoration of Water Service				
a	Non-payment	\$80.47	\$21.50	\$0.00	\$101.97
b	Non-compliance with Notice of Defect	\$80.47	\$21.50	\$0.00	\$101.97
c	Operating service valve 2" and smaller service lines	\$80.47	\$21.50	\$0.00	\$101.97
d	Operating service valve larger than 2" service lines	\$312.50	\$95.25	\$0.00	\$407.75
e	Obstructed curb stop, missing access box, requires excavation	\$625.01	\$190.50	\$0.00	\$815.51
f	Curb stop inoperable, requires installation of new curb stop	\$625.01	\$190.50	\$46.59	\$862.09
g	Obstructed curb stop, missing access box, requires excavation and foot	\$625.01	\$190.50	\$0.00	\$815.51
h	Curb stop inoperable, requires installation of new curb stop and footw	\$625.01	\$190.50	\$46.59	\$862.09
i	Excavation and shutoff of ferrule at the water main	\$841.44	\$818.13	\$325.00	\$1,984.56
5	Pumping of Properties	\$673.15	\$32.00	\$0.00	\$705.15
6	Charges for Water Main Shutdown Service	\$168.29	\$42.25	\$0.00	\$210.54
7	Water Connection Charges				
	Ferrule Connections				
a	3/4"	\$168.29	\$26.88	\$43.05	\$238.21
b	1"	\$168.29	\$26.88	\$72.02	\$267.18
c	1.5"	\$168.29	\$26.88	\$168.75	\$363.91
d	2"	\$168.29	\$26.88	\$231.25	\$426.41
	Valve Connections				
e	3" & 4"	\$12,678.69	\$2,106.40	\$916.96	\$15,702.05
f	6" & 8"	\$12,678.69	\$2,106.40	\$1,156.55	\$15,941.64
g	10" & 12"	\$14,263.53	\$2,369.70	\$1,967.16	\$18,600.39
	Attachment to a Transmission Main				
	3" & 4" Sleeve				
	16" Main	\$15,848.36	\$2,633.00	\$4,993.45	\$23,474.81
	20" Main	\$15,848.36	\$2,633.00	\$6,375.99	\$24,857.35
	24" Main	\$15,848.36	\$2,633.00	\$7,988.94	\$26,470.30
	30" Main	\$15,848.36	\$2,633.00	\$18,363.00	\$36,844.36

Fee Calculation

Line No.	Description	Costs			
		Labor (No Overtime)	Equipment	Material/ Contractor	Total Cost (No Overtime)
	36" Main	\$15,848.36	\$2,633.00	\$23,525.00	\$42,006.36
	6" & 8" Sleeve				
	16" Main	\$15,848.36	\$2,633.00	\$5,108.66	\$23,590.02
	20" Main	\$15,848.36	\$2,633.00	\$6,145.56	\$24,626.92
	24" Main	\$15,848.36	\$2,633.00	\$7,988.94	\$26,470.30
	30" Main	\$15,848.36	\$2,633.00	\$18,968.00	\$37,449.36
	36" Main	\$15,848.36	\$2,633.00	\$25,345.00	\$43,826.36
	10" & 12" Sleeve				
	16" Main	\$15,848.36	\$2,633.00	\$3,959.80	\$22,441.16
	20" Main	\$15,848.36	\$2,633.00	\$4,813.00	\$23,294.36
	24" Main	\$15,848.36	\$2,633.00	\$6,001.00	\$24,482.36
	30" Main	\$15,848.36	\$2,633.00	\$20,322.00	\$38,803.36
	36" Main	\$15,848.36	\$2,633.00	\$28,967.00	\$47,448.36
8	Discontinuance of Water	\$994.35	\$241.80	\$540.39	\$1,776.55
9	Hydrant Permits				
a	One Week	\$330.21	\$84.50	\$476.18	\$890.89
b	Six Month	\$330.21	\$84.50	\$2,952.17	\$3,366.88
10	Flow Tests	\$847.09	\$64.50	\$0.00	\$911.59
11	Water Service Line Investigations and/or Inspections	\$69.81	\$19.45	\$0.00	\$89.26
	Section 7- Miscellaneous Sewer Charges				
3	Wastewater Discharge Permit	\$4,406.20	\$0.00	\$0.00	\$4,406.20
4	Groundwater Discharge Permit	\$3,165.76	\$0.00	\$0.00	\$3,165.76
5	Manhole Pump-out Permit	\$3,215.28	\$0.00	\$0.00	\$3,215.28
6	Trucked or Hauled Wastewater Permit	\$2,337.18	\$0.00	\$0.00	\$2,337.18
7	Photographic & Video Inspection	\$0.00	\$0.00	\$275.00	\$275.00
	Section 8- Miscellaneous Stormwater Charges				
1	Stormwater Plan Review Fees				
a	Conceptual Stormwater Plan Approval	\$1,080.00	\$0.00	\$76.14	\$1,156.14
b	Post Construction Stormwater Plan Approval	\$280.03	\$0.00	\$0.00	\$280.03
c	Post Construction Stormwater Plan Approval (Additional Review Time	\$145.67	\$0.00	\$0.00	\$145.67
2	Stormwater Management Fee in Lieu				
a	Exemption to Water Quality Requirement	\$0.00	\$0.00	\$0.00	\$0.00
b	Exemption to both Water Quality & Channel Protection Requirement	\$0.00	\$0.00	\$0.00	\$0.00
	Other- Not in the Miscellaneous Charges Section				
1	Sewer Credit Application Fee	\$1,640.67	\$0.00	\$0.00	\$1,640.67
2	Sewer Credit Failure to Inform PWD about increase	\$271.51	\$0.00	\$0.00	\$271.51
3	Stormwater Credit Application Fee	\$1,356.54	\$0.00	\$0.00	\$1,356.54
4	Stormwater Credit Application Fee Renewal	\$1,356.54	\$0.00	\$0.00	\$1,356.54

Line No.	Description	Costs			
		Labor (With Overtime)	Equipment	Material	Total Cost (Overtime)
	Section 6- Miscellaneous Water Charges				
1	Meter Test Charges				
a	5/8"	\$191.69	\$21.50	\$0.00	\$213.19
b	1",1.5",2"	\$255.59	\$32.25	\$0.00	\$287.84
c	3",4",6",8",10",12"	\$638.97	\$48.63	\$0.00	\$687.59
d	Field Tests 3" and above	\$638.97	\$48.63	\$0.00	\$687.59
2	Charges for Furnishing and Installation of Water Meters				
a	Setting both Meter and ERT				
	5/8"	\$85.20	\$21.50	\$147.82	\$254.52
	3/4 RFSS	\$85.20	\$21.50	\$326.00	\$432.70
	1"	\$170.39	\$21.50	\$240.05	\$431.94
	1" RFSS	\$170.39	\$21.50	\$334.00	\$525.89
	1 1/2	\$170.39	\$21.50	\$618.55	\$810.44
	1 1/2 RFSS	\$170.39	\$21.50	\$563.94	\$755.83
	2"	\$170.39	\$21.50	\$718.91	\$910.80
	2" RFSS	\$170.39	\$21.50	\$782.00	\$973.89
	3" Compound	\$511.17	\$38.90	\$1,855.00	\$2,405.07
	3" Turbine	\$511.17	\$38.90	\$968.72	\$1,518.79
	3" Fire Series	\$511.17	\$38.90	\$2,856.18	\$3,406.25
	4" Compound	\$511.17	\$38.90	\$2,269.07	\$2,819.14
	4" Turbine	\$511.17	\$38.90	\$2,010.00	\$2,560.07
	4" Fire Series	\$511.17	\$38.90	\$3,144.24	\$3,694.31
	4" Fire Assembly	\$511.17	\$38.90	\$5,500.00	\$6,050.07
	6" Compound	\$511.17	\$38.90	\$4,300.00	\$4,850.07
	6" Turbine	\$511.17	\$38.90	\$3,550.00	\$4,100.07
	6" Fire Series	\$511.17	\$38.90	\$4,795.03	\$5,345.10
	6" Fire Assembly	\$511.17	\$38.90	\$7,400.00	\$7,950.07
	8" Turbine	\$511.17	\$38.90	\$4,931.06	\$5,481.13
	8" Fire Series	\$511.17	\$38.90	\$5,567.43	\$6,117.50
	8" Fire Assembly	\$511.17	\$38.90	\$10,620.70	\$11,170.77
	10" Turbine	\$511.17	\$38.90	\$7,272.17	\$7,822.24
	10" Fire Series	\$511.17	\$38.90	\$8,000.00	\$8,550.07
	10" Fire Assembly	\$511.17	\$38.90	\$14,784.42	\$15,334.49
	12" Turbine	\$511.17	\$38.90	\$7,385.66	\$7,935.73
	12" Fire Series	\$511.17	\$38.90	\$8,189.57	\$8,739.64
	12" Fire Assembly	\$511.17	\$38.90	\$15,655.08	\$16,205.15
b	Furnishing and Setting ERT				
	5/8"	\$85.20	\$21.50	\$0.00	\$106.70
	3/4 RFSS	\$85.20	\$21.50	\$0.00	\$106.70
	1"	\$170.39	\$21.50	\$0.00	\$191.89
	1" RFSS	\$170.39	\$21.50	\$0.00	\$191.89
	1 1/2	\$170.39	\$21.50	\$0.00	\$191.89
	1 1/2 RFSS	\$170.39	\$21.50	\$0.00	\$191.89
	2"	\$170.39	\$21.50	\$0.00	\$191.89
	2" RFSS	\$170.39	\$21.50	\$0.00	\$191.89
	3" Compound	\$511.17	\$38.90	\$0.00	\$550.07
	3" Turbine	\$511.17	\$38.90	\$0.00	\$550.07
	4" Compound	\$511.17	\$38.90	\$0.00	\$550.07
	4" Turbine	\$511.17	\$38.90	\$0.00	\$550.07
	6" Compound	\$511.17	\$38.90	\$0.00	\$550.07
	6" Turbine	\$511.17	\$38.90	\$0.00	\$550.07
	8"	\$511.17	\$38.90	\$0.00	\$550.07
	10"	\$511.17	\$38.90	\$0.00	\$550.07
3	Tampering of Meter				
a	5/8" or 3/4"	\$85.20	\$21.50	\$0.00	\$106.70
b	1", 1.5" or 2"	\$170.39	\$21.50	\$0.00	\$191.89
c	3" and larger	\$511.17	\$38.90	\$0.00	\$550.07
4	Shut-Off and Restoration of Water Service				
a	Non-payment	\$85.20	\$21.50	\$0.00	\$106.70
b	Non-compliance with Notice of Defect	\$85.20	\$21.50	\$0.00	\$106.70
c	Operating service valve 2" and smaller service lines	\$85.20	\$21.50	\$0.00	\$106.70
d	Operating service valve larger than 2" service lines	\$330.85	\$95.25	\$0.00	\$426.10
e	Obstructed curb stop, missing access box, requires excavation	\$661.71	\$190.50	\$0.00	\$852.21
f	Curb stop inoperable, requires installation of new curb stop	\$661.71	\$190.50	\$46.59	\$898.79
g	Obstructed curb stop, missing access box, requires excavation and footw	\$661.71	\$190.50	\$0.00	\$852.21
h	Curb stop inoperable, requires installation of new curb stop and footw	\$661.71	\$190.50	\$46.59	\$898.79
i	Excavation and shutoff of ferrule at the water main	\$890.85	\$818.13	\$325.00	\$2,033.97
5	Pumping of Properties	\$712.68	\$32.00	\$0.00	\$744.68
6	Charges for Water Main Shutdown Service	\$178.17	\$42.25	\$0.00	\$220.42
7	Water Connection Charges				
	Ferrule Connections				
a	3/4"	\$178.17	\$26.88	\$43.05	\$248.09
b	1"	\$178.17	\$26.88	\$72.02	\$277.06
c	1.5"	\$178.17	\$26.88	\$168.75	\$373.79
d	2"	\$178.17	\$26.88	\$231.25	\$436.29
	Valve Connections				
e	3" & 4"	\$13,423.18	\$2,106.40	\$916.96	\$16,446.54
f	6" & 8"	\$13,423.18	\$2,106.40	\$1,156.55	\$16,686.13
g	10" & 12"	\$15,101.08	\$2,369.70	\$1,967.16	\$19,437.94
	Attachment to a Transmission Main				
	3" & 4" Sleeve				
	16" Main	\$16,778.98	\$2,633.00	\$4,993.45	\$24,405.43
	20" Main	\$16,778.98	\$2,633.00	\$6,375.99	\$25,787.97
	24" Main	\$16,778.98	\$2,633.00	\$7,988.94	\$27,400.92
	30" Main	\$16,778.98	\$2,633.00	\$18,363.00	\$37,774.98
	36" Main	\$16,778.98	\$2,633.00	\$23,525.00	\$42,936.98
	6" & 8" Sleeve				

Line No.		Description	Costs			
			Labor (With Overtime)	Equipment	Material	Total Cost (Overtime)
		16" Main	\$16,778.98	\$2,633.00	\$5,108.66	\$24,520.64
		20" Main	\$16,778.98	\$2,633.00	\$6,145.56	\$25,557.54
		24" Main	\$16,778.98	\$2,633.00	\$7,988.94	\$27,400.92
		30" Main	\$16,778.98	\$2,633.00	\$18,968.00	\$38,379.98
		36" Main	\$16,778.98	\$2,633.00	\$25,345.00	\$44,756.98
		10" & 12" Sleeve				
		16" Main	\$16,778.98	\$2,633.00	\$3,959.80	\$23,371.78
		20" Main	\$16,778.98	\$2,633.00	\$4,813.00	\$24,224.98
		24" Main	\$16,778.98	\$2,633.00	\$6,001.00	\$25,412.98
		30" Main	\$16,778.98	\$2,633.00	\$20,322.00	\$39,733.98
		36" Main	\$16,778.98	\$2,633.00	\$28,967.00	\$48,378.98
8		Discontinuance of Water	\$1,052.74	\$241.80	\$540.39	\$1,834.93
9		Hydrant Permits				
	a	One Week	\$349.60	\$84.50	\$476.18	\$910.28
	b	Six Month	\$349.60	\$84.50	\$2,952.17	\$3,386.27
10		Flow Tests	\$896.83	\$64.50	\$0.00	\$961.33
11		Water Service Line Investigations and/or Inspections	\$73.91	\$19.45	\$0.00	\$93.36
Section 7- Miscellaneous Sewer Charges						
3		Wastewater Discharge Permit	\$4,664.93	\$0.00	\$0.00	\$4,664.93
4		Groundwater Discharge Permit	\$3,351.65	\$0.00	\$0.00	\$3,351.65
5		Manhole Pump-out Permit	\$3,404.08	\$0.00	\$0.00	\$3,404.08
6		Trucked or Hauled Wastewater Permit	\$2,474.42	\$0.00	\$0.00	\$2,474.42
7		Photographic & Video Inspection	\$0.00	\$0.00	\$275.00	\$275.00
Section 8- Miscellaneous Stormwater Charges						
1		Stormwater Plan Review Fees				
	a	Conceptual Stormwater Plan Approval	\$1,084.02	\$0.00	\$76.14	\$1,160.16
	b	Post Construction Stormwater Plan Approval	\$281.07	\$0.00	\$0.00	\$281.07
	b	Post Construction Stormwater Plan Approval	\$146.22	\$0.00	\$0.00	\$146.22
2		Stormwater Management Fee in Lieu				
	a	Exemption to Water Quality Requirement	\$0.00	\$0.00	\$0.00	\$0.00
	b	Exemption to both Water Quality & Channel Protection Requirement	\$0.00	\$0.00	\$0.00	\$0.00
Other- Not in the Miscellaneous Charges Section						
1		Sewer Credit Application Fee	\$1,737.01	\$0.00	\$0.00	\$1,737.01
2		Sewer Credit Failure to Inform PWD about increase	\$287.45	\$0.00	\$0.00	\$287.45
3		Stormwater Credit Application Fee	\$1,361.59	\$0.00	\$0.00	\$1,361.59
4		Stormwater Credit Application Fee Renewal	\$1,361.59	\$0.00	\$0.00	\$1,361.59

EXISTING MISCELLANEOUS CHARGES				
#	Miscellaneous Charge Description	PWD Regulations Reference (Attachment A- Rates & Charges)	PWD Existing Charges ¹	PWD Existing Charges (Overtime) ²
Section 6- Miscellaneous Water Charges				
1	Meter Test Charges	6.1		
a	5/8"		\$60.00	\$60 + Addl expenses incurred
b	1",1.5",2"		\$125.00	\$125 + Addl expenses incurred
c	3",4",6",8",10",12"		\$315.00	\$315 + Addl expenses incurred
d	Field Tests 3" and above		\$350.00	\$350 + Addl expenses incurred
2	Charges for Furnishing and Installation of Water Meters	6.2		
a	Setting both Meter and Meter Interface Unit (MIU)			
	5/8"		\$195.00	No separate rate in Regs
	3/4 RFSS		\$285.00	No separate rate in Regs
	1"		\$275.00	No separate rate in Regs
	1" RFSS		\$355.00	No separate rate in Regs
	1 1/2		\$480.00	No separate rate in Regs
	1 1/2 RFSS		\$650.00	No separate rate in Regs
	2"		\$600.00	No separate rate in Regs
	2" RFSS		\$825.00	No separate rate in Regs
	3" Compound		\$1,930.00	No separate rate in Regs
	3" Turbine		\$805.00	No separate rate in Regs
	3" Fire Series		\$2,725.00	No separate rate in Regs
	4" Compound		\$2,510.00	No separate rate in Regs
	4" Turbine		\$1,485.00	No separate rate in Regs
	4" Fire Series		\$3,275.00	No separate rate in Regs
	4" Fire Assembly		\$5,200.00	No separate rate in Regs
	6" Compound		\$4,040.00	No separate rate in Regs
	6" Turbine		\$2,550.00	No separate rate in Regs
	6" Fire Series		\$4,575.00	No separate rate in Regs
	6" Fire Assembly		\$7,100.00	No separate rate in Regs
	8" Turbine		\$3,175.00	No separate rate in Regs
	8" Fire Series		\$5,850.00	No separate rate in Regs
	8" Fire Assembly		\$9,350.00	No separate rate in Regs
	10" Turbine		\$4,570.00	No separate rate in Regs
	10" Fire Series		\$7,950.00	No separate rate in Regs
	10" Fire Assembly		\$13,675.00	No separate rate in Regs
	12" Turbine		\$5,275.00	No separate rate in Regs
	12" Fire Series		\$8,450.00	No separate rate in Regs
	12" Fire Assembly		\$14,600.00	No separate rate in Regs
b	Furnishing and Setting Meter Interface Unit (MIU)			
	5/8"		\$170.00	No separate rate in Regs
	3/4 RFSS		\$170.00	No separate rate in Regs
	1"		\$215.00	No separate rate in Regs
	1" RFSS		\$215.00	No separate rate in Regs
	1 1/2		\$215.00	No separate rate in Regs
	1 1/2 RFSS		\$215.00	No separate rate in Regs
	2"		\$215.00	No separate rate in Regs
	2" RFSS		\$215.00	No separate rate in Regs
	3" Compound		\$495.00	No separate rate in Regs
	3" Turbine		\$290.00	No separate rate in Regs
	4" Compound		\$495.00	No separate rate in Regs
	4" Turbine		\$290.00	No separate rate in Regs
	6" Compound		\$495.00	No separate rate in Regs
	6" Turbine		\$290.00	No separate rate in Regs
	8"		\$290.00	No separate rate in Regs
	10"		\$290.00	No separate rate in Regs
3	Tampering of Meter	6.3		
a	5/8" or 3/4"		\$45.00	No separate rate in Regs
b	1", 1.5" or 2"		\$85.00	No separate rate in Regs
c	3" and larger		\$260.00	No separate rate in Regs
4	Shut-Off and Restoration of Water Service	6.4		
a	Non-payment		\$50.00	No separate rate in Regs
b	Non-compliance with Notice of Defect		\$60.00	No separate rate in Regs
c	Operating service valve 2" and smaller service lines		\$60.00	No separate rate in Regs
d	Operating service valve larger than 2" service lines		\$100.00	No separate rate in Regs
e	Obstructed curb stop, missing access box, requires excavation		\$300.00	No separate rate in Regs
f	Curb stop inoperable, requires installation of new curb stop		\$450.00	No separate rate in Regs
g	Obstructed curb stop, missing access box, requires excavation and footway paving		\$600.00	No separate rate in Regs
h	Curb stop inoperable, requires installation of new curb stop and footway paving		\$875.00	No separate rate in Regs
i	Excavation and shutoff of ferrule at the water main		\$1,805.00	No separate rate in Regs
5	Pumping of Properties	6.5	Actual Cost	Actual Cost
6	Charges for Water Main Shutdown Service	6.6	\$200.00	No separate rate in Regs
7	Water Connection Charges			
	Ferrule Connections	6.7 (b)		
a	3/4"		\$193.00	\$370.00
b	1"		\$211.00	\$388.00
c	1.5"		\$249.00	\$426.00
d	2"		\$286.00	\$464.00
	Valve Connections	6.7 (c)		
e	3" & 4"		\$16,184.00	\$18,484.00
f	6" & 8"		\$16,720.00	\$19,020.00
g	10" & 12"		\$19,130.00	\$22,127.00
	Attachment to a Transmission Main	6.7 (d)		
	3" & 4" Sleeve			

EXISTING MISCELLANEOUS CHARGES				
#	Miscellaneous Charge Description	PWD Regulations Reference (Attachment A-Rates & Charges)	PWD Existing Charges ¹	PWD Existing Charges (Overtime) ²
	16" Main		\$21,995.00	\$25,180.00
	20" Main		\$23,075.00	\$26,260.00
	24" Main		\$24,155.00	\$27,340.00
	30" Main		\$36,517.00	\$39,702.00
	36" Main		\$41,676.00	\$44,864.00
	6" & 8" Sleeve			
	16" Main		\$22,531.00	\$25,716.00
	20" Main		\$23,395.00	\$26,580.00
	24" Main		\$24,583.00	\$27,768.00
	30" Main		\$38,429.00	\$41,614.00
	36" Main		\$45,527.00	\$48,712.00
	10" & 12" Sleeve			
	16" Main		\$24,898.00	\$28,780.00
	20" Main		\$25,870.00	\$29,752.00
	24" Main		\$26,896.00	\$30,778.00
	30" Main		\$41,217.00	\$45,099.00
	36" Main		\$49,862.00	\$52,859.00
8	Discontinuance of Water	6.8	\$100.00	No separate rate in Regs
9	Hydrant Permits	6.9		
a	One Week		\$265.00	No separate rate in Regs
b	Six Month		\$2,250.00	No separate rate in Regs
10	Flow Tests	6.10	\$350.00	No separate rate in Regs
11	Water Service Line Investigations and/or Inspections	6.11	\$100.00	No separate rate in Regs
Section 7- Miscellaneous Sewer Charges				
3	Wastewater Discharge Permit	7.3	\$1,000.00	No separate rate in Regs
4	Groundwater Discharge Permit	7.4	\$1,000.00	No separate rate in Regs
5	Manhole Pump-out Permit	7.5	\$1,000.00	No separate rate in Regs
6	Trucked or Hauled Wastewater Permit	7.6	\$1,000.00	No separate rate in Regs
7	Photographic & Video Inspection	7.7	\$160.00	No separate rate in Regs
Section 8- Miscellaneous Stormwater Charges				
1	Stormwater Plan Review Fees	8.1		
a	Conceptual Stormwater Plan Approval		\$600.00	No separate rate in Regs
b	Post Construction Stormwater Plan Submission		\$600.00	No separate rate in Regs
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)		\$90.00	No separate rate in Regs
2	Stormwater Management Fee in Lieu	8.2		
a	Exemption to Water Quality Requirement		\$5.00	No separate rate in Regs
b	Exemption to both Water Quality & Channel Protection Requirement		\$13.00	No separate rate in Regs
Other- Not in the Miscellaneous Charges Section				
1	Sewer Credit Application Fee	3.5 (c)	\$150.00	No separate rate in Regs
2	Sewer Credit Failure to Inform PWD about increase	3.5 (f)	\$300.00	No separate rate in Regs
3	Stormwater Credit Application Fee	4.5 (f) (3)	\$150.00	No separate rate in Regs
4	Stormwater Credit Application Fee Renewal	4.5 (f) (5)	\$50.00	No separate rate in Regs

Notes

- 1 From the PWD Regulations Attachment A-Rates and Charges (FY 2018 Charges)-Work performed during regular business hours
- 2 From the PWD Regulations Attachment A-Rates and Charges (FY 2018 Charges)-Work performed during non business hours

	= Percentage Increase Greater Than 40%	Variance Threshold				40%		
TABLE 1- SUMMARY OF PROPOSED MISCELLANEOUS CHARGES								
			1	2	3	4	5	6
		PWD Regulations Reference	PWD Existing Charges	New - Calculated Charges	Percentage Change (Calculated to Existing)	PWD Miscellaneous Charges (Proposed-FY 2019)	PWD Miscellaneous Charges (Proposed-FY 2020)	PWD Miscellaneous Charges (Proposed-FY 2021)
#	Miscellaneous Charge Description							
	Section 6- Miscellaneous Water Charges							
1	Meter Test Charges	6.1						
a	5/8"		\$60.00	\$202.56	237.60%	\$210.00	\$210.00	\$210.00
b	1",1.5",2"		\$125.00	\$273.66	118.93%	\$280.00	\$280.00	\$280.00
c	3",4",6",8",10",12"		\$315.00	\$652.15	107.03%	\$660.00	\$660.00	\$660.00
d	Field Tests 3" and above		\$350.00	\$652.15	86.33%	\$660.00	\$660.00	\$660.00
2	Charges for Furnishing and Installation of Water Meters	6.2						
a	Setting both Meter and Meter Interface Unit (MIU)							
	5/8"		\$195.00	\$249.79	28.10%	\$250.00	\$250.00	\$250.00
	3/4 RFSS		\$285.00	\$427.97	50.17%	\$400.00	\$430.00	\$430.00
	1"		\$275.00	\$422.49	53.63%	\$385.00	\$425.00	\$425.00
	1" RFSS		\$355.00	\$516.44	45.48%	\$500.00	\$520.00	\$520.00
	1 1/2		\$480.00	\$800.99	66.87%	\$675.00	\$805.00	\$805.00
	1 1/2 RFSS		\$650.00	\$746.38	14.83%	\$750.00	\$750.00	\$750.00
	2"		\$600.00	\$901.35	50.23%	\$840.00	\$905.00	\$905.00
	2" RFSS		\$825.00	\$964.44	16.90%	\$965.00	\$965.00	\$965.00
	3" Compound		\$1,930.00	\$2,376.72	23.15%	\$2,380.00	\$2,380.00	\$2,380.00
	3" Turbine		\$805.00	\$1,490.44	85.15%	\$1,130.00	\$1,495.00	\$1,495.00
	3" Fire Series		\$2,725.00	\$3,377.90	23.96%	\$3,380.00	\$3,380.00	\$3,380.00
	4" Compound		\$2,510.00	\$2,790.79	11.19%	\$2,795.00	\$2,795.00	\$2,795.00
	4" Turbine		\$1,485.00	\$2,531.72	70.49%	\$2,080.00	\$2,535.00	\$2,535.00
	4" Fire Series		\$3,275.00	\$3,665.96	11.94%	\$3,670.00	\$3,670.00	\$3,670.00
	4" Fire Assembly		\$5,200.00	\$6,021.72	15.80%	\$6,025.00	\$6,025.00	\$6,025.00
	6" Compound		\$4,040.00	\$4,821.72	19.35%	\$4,825.00	\$4,825.00	\$4,825.00
	6" Turbine		\$2,550.00	\$4,071.72	59.68%	\$3,570.00	\$4,075.00	\$4,075.00
	6" Fire Series		\$4,575.00	\$5,316.75	16.21%	\$5,320.00	\$5,320.00	\$5,320.00
	6" Fire Assembly		\$7,100.00	\$7,921.72	11.57%	\$7,925.00	\$7,925.00	\$7,925.00
	8" Turbine		\$3,175.00	\$5,452.78	71.74%	\$4,445.00	\$5,455.00	\$5,455.00
	8" Fire Series		\$5,850.00	\$6,089.15	4.09%	\$6,090.00	\$6,090.00	\$6,090.00
	8" Fire Assembly		\$9,350.00	\$11,142.42	19.17%	\$11,145.00	\$11,145.00	\$11,145.00
	10" Turbine		\$4,570.00	\$7,793.89	70.54%	\$6,400.00	\$7,795.00	\$7,795.00
	10" Fire Series		\$7,950.00	\$8,521.72	7.19%	\$8,525.00	\$8,525.00	\$8,525.00
	10" Fire Assembly		\$13,675.00	\$15,306.14	11.93%	\$15,310.00	\$15,310.00	\$15,310.00
	12" Turbine		\$5,275.00	\$7,907.38	49.90%	\$7,385.00	\$7,910.00	\$7,910.00
	12" Fire Series		\$8,450.00	\$8,711.29	3.09%	\$8,715.00	\$8,715.00	\$8,715.00
	12" Fire Assembly		\$14,600.00	\$16,176.80	10.80%	\$16,180.00	\$16,180.00	\$16,180.00
b	Furnishing and Setting Meter Interface Unit (MIU)							
	5/8"		\$170.00	\$101.97	-40.02%	\$105.00	\$105.00	\$105.00
	3/4 RFSS		\$170.00	\$101.97	-40.02%	\$105.00	\$105.00	\$105.00
	1"		\$215.00	\$182.44	-15.14%	\$185.00	\$185.00	\$185.00
	1" RFSS		\$215.00	\$182.44	-15.14%	\$185.00	\$185.00	\$185.00
	1 1/2		\$215.00	\$182.44	-15.14%	\$185.00	\$185.00	\$185.00
	1 1/2 RFSS		\$215.00	\$182.44	-15.14%	\$185.00	\$185.00	\$185.00
	2"		\$215.00	\$182.44	-15.14%	\$185.00	\$185.00	\$185.00
	2" RFSS		\$215.00	\$182.44	-15.14%	\$185.00	\$185.00	\$185.00
	3" Compound		\$495.00	\$521.72	5.40%	\$525.00	\$525.00	\$525.00
	3" Turbine		\$290.00	\$521.72	79.90%	\$410.00	\$525.00	\$525.00
	4" Compound		\$495.00	\$521.72	5.40%	\$525.00	\$525.00	\$525.00
	4" Turbine		\$290.00	\$521.72	79.90%	\$410.00	\$525.00	\$525.00
	6" Compound		\$495.00	\$521.72	5.40%	\$525.00	\$525.00	\$525.00
	6" Turbine		\$290.00	\$521.72	79.90%	\$410.00	\$525.00	\$525.00
	8"		\$290.00	\$521.72	79.90%	\$410.00	\$525.00	\$525.00
	10"		\$290.00	\$521.72	79.90%	\$410.00	\$525.00	\$525.00
3	Tampering of Meter	6.3						
a	5/8" or 3/4"		\$45.00	\$101.97	126.60%	\$120.00	\$120.00	\$120.00
b	1", 1.5" or 2"		\$85.00	\$182.44	114.64%	\$210.00	\$210.00	\$210.00
c	3" and larger		\$260.00	\$521.72	100.66%	\$580.00	\$580.00	\$580.00
4	Shut-Off and Restoration of Water Service	6.4						
a	Non-payment		\$50.00	\$101.97	103.94%	\$70.00	\$100.00	\$105.00
b	Non-compliance with Notice of Defect		\$60.00	\$101.97	69.95%	\$85.00	\$105.00	\$105.00
c	Operating service valve 2" and smaller service lines		\$60.00	\$101.97	69.95%	\$85.00	\$105.00	\$105.00

	= Percentage Increase Greater Than 40%	Variance Threshold				40%		
TABLE 1- SUMMARY OF PROPOSED MISCELLANEOUS CHARGES								
			1	2	3	4	5	6
		PWD Regulations Reference	PWD Existing Charges	New - Calculated Charges	Percentage Change (Calculated to Existing)	PWD Miscellaneous Charges (Proposed-FY 2019)	PWD Miscellaneous Charges (Proposed-FY 2020)	PWD Miscellaneous Charges (Proposed-FY 2021)
#	Miscellaneous Charge Description							
d	Operating service valve larger than 2" service lines		\$100.00	\$407.75	307.75%	\$140.00	\$200.00	\$280.00
e	Obstructed curb stop, missing access box, requires excavation		\$300.00	\$815.51	171.84%	\$420.00	\$590.00	\$820.00
f	Curb stop inoperable, requires installation of new curb stop		\$450.00	\$862.09	91.58%	\$630.00	\$885.00	\$885.00
g	Obstructed curb stop, missing access box, requires excavation and footway paving		\$600.00	\$815.51	35.92%	\$820.00	\$820.00	\$820.00
h	Curb stop inoperable, requires installation of new curb stop and footway paving		\$875.00	\$862.09	-1.48%	\$865.00	\$865.00	\$865.00
i	Excavation and shutoff of ferrule at the water main		\$1,805.00	\$1,984.56	9.95%	\$1,985.00	\$1,985.00	\$1,985.00
5	Pumping of Properties	6.5	Actual Cost	\$705.15		Actual Cost	Actual Cost	Actual Cost
6	Charges for Water Main Shutdown Service	6.6	\$200.00	\$210.54	5.27%	\$210.00	\$210.00	\$210.00
7	Water Connection Charges							
	Ferrule Connections	6.7 (b)						
a	3/4"		\$193.00	\$238.21	23.43%	\$240.00	\$240.00	\$240.00
b	1"		\$211.00	\$267.18	26.63%	\$270.00	\$270.00	\$270.00
c	1.5"		\$249.00	\$363.91	46.15%	\$350.00	\$365.00	\$365.00
d	2"		\$286.00	\$426.41	49.10%	\$405.00	\$430.00	\$430.00
	Valve Connections	6.7 (c)						
e	3" & 4"		\$16,184.00	\$15,702.05	-2.98%	\$15,705.00	\$15,705.00	\$15,705.00
f	6" & 8"		\$16,720.00	\$15,941.64	-4.66%	\$15,945.00	\$15,945.00	\$15,945.00
g	10" & 12"		\$19,130.00	\$18,600.39	-2.77%	\$18,605.00	\$18,605.00	\$18,605.00
	Attachment to a Transmission Main	6.7 (d)						
	3" & 4" Sleeve							
	16" Main		\$21,995.00	\$23,474.81	6.73%	\$23,475.00	\$23,475.00	\$23,475.00
	20" Main		\$23,075.00	\$24,857.35	7.72%	\$24,860.00	\$24,860.00	\$24,860.00
	24" Main		\$24,155.00	\$26,470.30	9.59%	\$26,475.00	\$26,475.00	\$26,475.00
	30" Main		\$36,517.00	\$36,844.36	0.90%	\$36,845.00	\$36,845.00	\$36,845.00
	36" Main		\$41,676.00	\$42,006.36	0.79%	\$42,010.00	\$42,010.00	\$42,010.00
	6" & 8" Sleeve							
	16" Main		\$22,531.00	\$23,590.02	4.70%	\$23,595.00	\$23,595.00	\$23,595.00
	20" Main		\$23,395.00	\$24,626.92	5.27%	\$24,630.00	\$24,630.00	\$24,630.00
	24" Main		\$24,583.00	\$26,470.30	7.68%	\$26,475.00	\$26,475.00	\$26,475.00
	30" Main		\$38,429.00	\$37,449.36	-2.55%	\$37,450.00	\$37,450.00	\$37,450.00
	36" Main		\$45,527.00	\$43,826.36	-3.74%	\$43,830.00	\$43,830.00	\$43,830.00
	10" & 12" Sleeve							
	16" Main		\$24,898.00	\$22,441.16	-9.87%	\$22,445.00	\$22,445.00	\$22,445.00
	20" Main		\$25,870.00	\$23,294.36	-9.96%	\$23,295.00	\$23,295.00	\$23,295.00
	24" Main		\$26,896.00	\$24,482.36	-8.97%	\$24,485.00	\$24,485.00	\$24,485.00
	30" Main		\$41,217.00	\$38,803.36	-5.86%	\$38,805.00	\$38,805.00	\$38,805.00
	36" Main		\$49,862.00	\$47,448.36	-4.84%	\$47,450.00	\$47,450.00	\$47,450.00
8	Discontinuance of Water	6.8	\$100.00	\$1,776.55	1676.55%	\$100.00	\$100.00	\$100.00
9	Hydrant Permits	6.9						
a	One Week		\$265.00	\$890.89	236.18%	\$375.00	\$525.00	\$735.00
b	Six Month		\$2,250.00	\$3,366.88	49.64%	\$3,150.00	\$3,370.00	\$3,370.00
10	Flow Tests	6.10	\$350.00	\$911.59	160.45%	\$490.00	\$690.00	\$915.00
11	Water Service Line Investigations and/or Inspections	6.11	\$100.00	\$89.26	-10.74%	\$90.00	\$90.00	\$90.00
	Section 7- Miscellaneous Sewer Charges							
3	Wastewater Discharge Permit	7.3	\$1,000.00	\$4,406.20	340.62%	\$1,400.00	\$1,960.00	\$2,745.00
4	Groundwater Discharge Permit	7.4	\$1,000.00	\$3,165.76	216.58%	\$1,400.00	\$1,960.00	\$2,745.00
5	Manhole Pump-out Permit	7.5	\$1,000.00	\$3,215.28	221.53%	\$1,400.00	\$1,960.00	\$2,745.00
6	Trucked or Hauled Wastewater Permit	7.6	\$1,000.00	\$2,337.18	133.72%	\$1,400.00	\$1,960.00	\$2,340.00
7	Photographic & Video Inspection	7.7	\$160.00	\$275.00	71.88%	\$225.00	\$275.00	\$275.00
	Section 8- Miscellaneous Stormwater Charges							
1	Stormwater Plan Review Fees	8.1						
a	Conceptual Stormwater Plan Approval		\$600.00	\$1,156.14	92.69%	\$840.00	\$1,160.00	\$1,160.00
b	Post Construction Stormwater Plan Submission		\$600.00	\$280.03	-53.33%	\$285.00	\$285.00	\$285.00
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)		\$90.00	\$145.67	61.86%	\$130.00	\$150.00	\$150.00
2	Stormwater Management Fee in Lieu	8.2						
a	Exemption to Water Quality Requirement		\$5.00	\$19.42	288.40%	\$10.00	\$15.00	\$20.00
b	Exemption to both Water Quality & Channel Protection Requirement		\$13.00	To be discontinued	To be discontinued	To be discontinued	To be discontinued	To be discontinued
	Other- Not in the Miscellaneous Charges Section							
1	Sewer Credit Application Fee	3.5 (c)	\$150.00	\$1,640.67	993.78%	\$210.00	\$295.00	\$415.00
2	Sewer Credit Failure to Inform PWD about increase	3.5 (f)	\$300.00	\$271.51	-9.50%	\$275.00	\$275.00	\$275.00

= Percentage Increase Greater Than 40%						Variance Threshold		40%	
TABLE 1- SUMMARY OF PROPOSED MISCELLANEOUS CHARGES									
			1	2	3	4	5	6	
		PWD Regulations Reference	PWD Existing Charges	New - Calculated Charges	Percentage Change (Calculated to Existing)	PWD Miscellaneous Charges (Proposed-FY 2019)	PWD Miscellaneous Charges (Proposed-FY 2020)	PWD Miscellaneous Charges (Proposed-FY 2021)	
#	Miscellaneous Charge Description								
3	Stormwater Credit Application Fee	4.5 (f) (3)	\$150.00	\$1,356.54	804.36%	To be discontinued	To be discontinued	To be discontinued	
4	Stormwater Credit Application Fee Renewal	4.5 (f) (5)	\$50.00	\$1,356.54	2613.08%	\$70.00	\$100.00	\$140.00	
Column Notes									
1	From the PWD Regulations (effective Sept 5, 2017) incl. Attachment A-Rates and Charges (FY 2018 Charges)								
2	Calculated charges for work performed during Water Department's regular business hours (9:00 a.m. to 4:45 p.m.) (i.e. not including overtime)								
3	Percentage variance between existing and calculated charges. Green shaded cells reflect increases greater than 40%								
4,5,6	Proposed FY 2019 -FY 2021 Misc charges.								
8	Last date of revision of the miscellaneous charge								

	= Percentage Increase Greater Than 40%	Variance Threshold				40%		
TABLE 1A- SUMMARY OF MISCELLANEOUS CHARGES FOR WORK PERFORMED DURING NON BUSINESS HOURS								
			1	2	3	4	5	6
		PWD Regulations Reference	PWD Existing Charges (Non Business Hours)	New - Calculated Charges (Non Business Hours)	Percentage Change (Calculated to Existing)	PWD Miscellaneous Charges (Proposed-FY 2019)	PWD Miscellaneous Charges (Proposed-FY 2020)	PWD Miscellaneous Charges (Proposed-FY 2021)
#	Miscellaneous Charge Description							
	Section 6- Miscellaneous Water Charges							
1	Meter Test Charges	6.1						
a	5/8"		\$60 + Addl expenses incurred	\$213.19	N/A	\$220.00	\$220.00	\$220.00
b	1",1.5",2"		\$125 + Addl expenses incurred	\$287.84	N/A	\$290.00	\$290.00	\$290.00
c	3",4",6",8",10",12"		\$315 + Addl expenses incurred	\$687.59	N/A	\$690.00	\$690.00	\$690.00
d	Field Tests 3" and above		\$350 + Addl expenses incurred	\$687.59	N/A	\$690.00	\$690.00	\$690.00
2	Charges for Furnishing and Installation of Water Meters	6.2						
a	Setting both Meter and Meter Interface Unit (MIU)							
	5/8"		No separate rate in Regs	\$254.52	N/A			
	3/4 RFSS		No separate rate in Regs	\$432.70	N/A			
	1"		No separate rate in Regs	\$431.94	N/A			
	1" RFSS		No separate rate in Regs	\$525.89	N/A			
	1 1/2		No separate rate in Regs	\$810.44	N/A			
	1 1/2 RFSS		No separate rate in Regs	\$755.83	N/A			
	2"		No separate rate in Regs	\$910.80	N/A			
	2" RFSS		No separate rate in Regs	\$973.89	N/A			
	3" Compound		No separate rate in Regs	\$2,405.07	N/A			
	3" Turbine		No separate rate in Regs	\$1,518.79	N/A			
	3" Fire Series		No separate rate in Regs	\$3,406.25	N/A			
	4" Compound		No separate rate in Regs	\$2,819.14	N/A			
	4" Turbine		No separate rate in Regs	\$2,560.07	N/A			
	4" Fire Series		No separate rate in Regs	\$3,694.31	N/A			
	4" Fire Assembly		No separate rate in Regs	\$6,050.07	N/A			
	6" Compound		No separate rate in Regs	\$4,850.07	N/A			
	6" Turbine		No separate rate in Regs	\$4,100.07	N/A			
	6" Fire Series		No separate rate in Regs	\$5,345.10	N/A			
	6" Fire Assembly		No separate rate in Regs	\$7,950.07	N/A			
	8" Turbine		No separate rate in Regs	\$5,481.13	N/A			
	8" Fire Series		No separate rate in Regs	\$6,117.50	N/A			
	8" Fire Assembly		No separate rate in Regs	\$11,170.77	N/A			
	10" Turbine		No separate rate in Regs	\$7,822.24	N/A			
	10" Fire Series		No separate rate in Regs	\$8,550.07	N/A			
	10" Fire Assembly		No separate rate in Regs	\$15,334.49	N/A			
	12" Turbine		No separate rate in Regs	\$7,935.73	N/A			
	12" Fire Series		No separate rate in Regs	\$8,739.64	N/A			
	12" Fire Assembly		No separate rate in Regs	\$16,205.15	N/A			
b	Furnishing and Setting Meter Interface Unit (MIU)							
	5/8"		No separate rate in Regs	\$106.70	N/A			
	3/4 RFSS		No separate rate in Regs	\$106.70	N/A			
	1"		No separate rate in Regs	\$191.89	N/A			
	1" RFSS		No separate rate in Regs	\$191.89	N/A			
	1 1/2		No separate rate in Regs	\$191.89	N/A			
	1 1/2 RFSS		No separate rate in Regs	\$191.89	N/A			
	2"		No separate rate in Regs	\$191.89	N/A			
	2" RFSS		No separate rate in Regs	\$191.89	N/A			
	3" Compound		No separate rate in Regs	\$550.07	N/A			
	3" Turbine		No separate rate in Regs	\$550.07	N/A			
	4" Compound		No separate rate in Regs	\$550.07	N/A			
	4" Turbine		No separate rate in Regs	\$550.07	N/A			
	6" Compound		No separate rate in Regs	\$550.07	N/A			
	6" Turbine		No separate rate in Regs	\$550.07	N/A			
	8"		No separate rate in Regs	\$550.07	N/A			
	10"		No separate rate in Regs	\$550.07	N/A			
3	Tampering of Meter	6.3						
a	5/8" or 3/4"		No separate rate in Regs	\$106.70	N/A			
b	1", 1.5" or 2"		No separate rate in Regs	\$191.89	N/A			
c	3" and larger		No separate rate in Regs	\$550.07	N/A			
4	Shut-Off and Restoration of Water Service	6.4						
a	Non-payment		No separate rate in Regs	\$106.70	N/A			
b	Non-compliance with Notice of Defect		No separate rate in Regs	\$106.70	N/A			
c	Operating service valve 2" and smaller service lines		No separate rate in Regs	\$106.70	N/A			

TABLE 1A- SUMMARY OF MISCELLANEOUS CHARGES FOR WORK PERFORMED DURING NON BUSINESS HOURS								
#	Miscellaneous Charge Description	PWD Regulations Reference	1 PWD Existing Charges (Non Business Hours)	2 New - Calculated Charges (Non Business Hours)	3 Percentage Change (Calculated to Existing)	4 PWD Miscellaneous Charges (Proposed-FY 2019)	5 PWD Miscellaneous Charges (Proposed-FY 2020)	6 PWD Miscellaneous Charges (Proposed-FY 2021)
d	Operating service valve larger than 2" service lines		No separate rate in Regs	\$426.10	N/A			
e	Obstructed curb stop, missing access box, requires excavation		No separate rate in Regs	\$852.21	N/A			
f	Curb stop inoperable, requires installation of new curb stop		No separate rate in Regs	\$898.79	N/A			
g	Obstructed curb stop, missing access box, requires excavation and footway paving		No separate rate in Regs	\$852.21	N/A			
h	Curb stop inoperable, requires installation of new curb stop and footway paving		No separate rate in Regs	\$898.79	N/A			
i	Excavation and shutoff of ferrule at the water main		No separate rate in Regs	\$2,033.97	N/A			
5	Pumping of Properties	6.5	Actual Cost	\$744.68	N/A	Actual Cost	Actual Cost	Actual Cost
6	Charges for Water Main Shutdown Service	6.6	No separate rate in Regs	\$220.42	N/A			
7	Water Connection Charges							
	Ferrule Connections	6.7 (b)						
a	3/4"		\$370.00	\$248.09	-32.95%	\$250.00	\$250.00	\$250.00
b	1"		\$388.00	\$277.06	-28.59%	\$280.00	\$280.00	\$280.00
c	1.5"		\$426.00	\$373.79	-12.25%	\$375.00	\$375.00	\$375.00
d	2"		\$464.00	\$436.29	-5.97%	\$440.00	\$440.00	\$440.00
	Valve Connections	6.7 (c)						
e	3" & 4"		\$18,484.00	\$16,446.54	-11.02%	\$16,450.00	\$16,450.00	\$16,450.00
f	6" & 8"		\$19,020.00	\$16,686.13	-12.27%	\$16,690.00	\$16,690.00	\$16,690.00
g	10" & 12"		\$22,127.00	\$19,437.94	-12.15%	\$19,440.00	\$19,440.00	\$19,440.00
	Attachment to a Transmission Main	6.7 (d)						
	3" & 4" Sleeve							
	16" Main		\$25,180.00	\$24,405.43	-3.08%	\$24,410.00	\$24,410.00	\$24,410.00
	20" Main		\$26,260.00	\$25,787.97	-1.80%	\$25,790.00	\$25,790.00	\$25,790.00
	24" Main		\$27,340.00	\$27,400.92	0.22%	\$27,405.00	\$27,405.00	\$27,405.00
	30" Main		\$39,702.00	\$37,774.98	-4.85%	\$37,775.00	\$37,775.00	\$37,775.00
	36" Main		\$44,864.00	\$42,936.98	-4.30%	\$42,940.00	\$42,940.00	\$42,940.00
	6" & 8" Sleeve							
	16" Main		\$25,716.00	\$24,520.64	-4.65%	\$24,525.00	\$24,525.00	\$24,525.00
	20" Main		\$26,580.00	\$25,557.54	-3.85%	\$25,560.00	\$25,560.00	\$25,560.00
	24" Main		\$27,768.00	\$27,400.92	-1.32%	\$27,405.00	\$27,405.00	\$27,405.00
	30" Main		\$41,614.00	\$38,379.98	-7.77%	\$38,380.00	\$38,380.00	\$38,380.00
	36" Main		\$48,712.00	\$44,756.98	-8.12%	\$44,760.00	\$44,760.00	\$44,760.00
	10" & 12" Sleeve							
	16" Main		\$28,780.00	\$23,371.78	-18.79%	\$23,375.00	\$23,375.00	\$23,375.00
	20" Main		\$29,752.00	\$24,224.98	-18.58%	\$24,225.00	\$24,225.00	\$24,225.00
	24" Main		\$30,778.00	\$25,412.98	-17.43%	\$25,415.00	\$25,415.00	\$25,415.00
	30" Main		\$45,099.00	\$39,733.98	-11.90%	\$39,735.00	\$39,735.00	\$39,735.00
	36" Main		\$52,859.00	\$48,378.98	-8.48%	\$48,380.00	\$48,380.00	\$48,380.00
8	Discontinuance of Water	6.8	No separate rate in Regs	\$1,834.93	N/A			
9	Hydrant Permits	6.9						
a	One Week		No separate rate in Regs	\$910.28	N/A			
b	Six Month		No separate rate in Regs	\$3,386.27	N/A			
10	Flow Tests	6.10	No separate rate in Regs	\$961.33	N/A			
11	Water Service Line Investigations and/or Inspections	6.11	No separate rate in Regs	\$93.36	N/A			
	Section 7- Miscellaneous Sewer Charges							
3	Wastewater Discharge Permit	7.3	No separate rate in Regs	\$4,664.93	N/A			
4	Groundwater Discharge Permit	7.4	No separate rate in Regs	\$3,351.65	N/A			
5	Manhole Pump-out Permit	7.5	No separate rate in Regs	\$3,404.08	N/A			
6	Trucked or Hauled Wastewater Permit	7.6	No separate rate in Regs	\$2,474.42	N/A			
7	Photographic & Video Inspection	7.7	No separate rate in Regs	\$275.00	N/A			
	Section 8- Miscellaneous Stormwater Charges							
1	Stormwater Plan Review Fees	8.1						
a	Conceptual Stormwater Plan Approval		No separate rate in Regs	\$1,160.16	N/A			
b	Post Construction Stormwater Plan Submission		No separate rate in Regs	\$281.07	N/A			
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)		No separate rate in Regs	\$146.22	N/A			
2	Stormwater Management Fee in Lieu	8.2						
a	Exemption to Water Quality Requirement		No separate rate in Regs	\$19.42	N/A			
b	Exemption to both Water Quality & Channel Protection Requirement		No separate rate in Regs	To be discontinued	To be discontinued	To be discontinued	To be discontinued	To be discontinued
	Other- Not in the Miscellaneous Charges Section							
1	Sewer Credit Application Fee	3.5 (c)	No separate rate in Regs	\$1,737.01	N/A			
2	Sewer Credit Failure to Inform PWD about increase	3.5 (f)	No separate rate in Regs	\$287.45	N/A			
3	Stormwater Credit Application Fee	4.5 (f) (3)	No separate rate in Regs	To be discontinued	N/A	To be discontinued	To be discontinued	To be discontinued

TABLE 1A- SUMMARY OF MISCELLANEOUS CHARGES FOR WORK PERFORMED DURING NON BUSINESS HOURS								
			1	2	3	4	5	6
		PWD Regulations Reference	PWD Existing Charges (Non Business Hours)	New - Calculated Charges (Non Business Hours)	Percentage Change (Calculated to Existing)	PWD Miscellaneous Charges (Proposed-FY 2019)	PWD Miscellaneous Charges (Proposed-FY 2020)	PWD Miscellaneous Charges (Proposed-FY 2021)
#	Miscellaneous Charge Description							
4	Stormwater Credit Application Fee Renewal	4.5 (f) (5)	No separate rate in Regs	\$1,361.59	N/A			

Column Notes

1

From the PWD Regulations Attachment A-Rates and Charges (FY 2017 Charges)

2

Calculated charges for work performed outside of normal business hours (i.e. including overtime)

3

Percentage variance between existing and calculated charges. Green shaded cells reflect increases greater than 40%

4,5,6

Proposed FY 2019 -FY 2021 Misc charges

8

Last date of revision of the miscellaneous charge

TABLE 3: EXISTING MISCELLANEOUS CHARGES ACTIVITY VOLUME					
#	Miscellaneous Charge Description	Activity Volume (FY 2014)	Activity Volume (FY 2015)	Activity Volume (FY 2016)	Projected Activity Volume (3-Year Historical Average)
	Section 6- Miscellaneous Water Charges				
1	Meter Test Charges				
a	5/8"				
b	1",1.5",2"				
c	3",4",6",8",10",12"				
d	Field Tests 3" and above				
2	Charges for Furnishing and Installation of Water Meters				
a	Setting both Meter and Meter Interface Unit (MIU)				
	5/8"	7440	4876	3589	5302
	3/4 RFSS	1	13	2	5
	1"	223	155	195	191
	1" RFSS				
	1 1/2	156	38	133	109
	1 1/2 RFSS				
	2"	259	127	216	201
	2" RFSS				
	3" Compound	350	199	205	251
	3" Turbine				
	3" Fire Series				
	4" Compound				
	4" Turbine	180	187	149	172
	4" Fire Series				
	4" Fire Assembly				
	6" Compound	48	51	43	47
	6" Turbine				
	6" Fire Series				
	6" Fire Assembly				
	8" Turbine	6	17	2	8
	8" Fire Series				
	8" Fire Assembly				
	10" Turbine		5	4	5
	10" Fire Series				
	10" Fire Assembly				
	12" Turbine				
	12" Fire Series				
	12" Fire Assembly				
b	Furnishing and Setting Meter Interface Unit (MIU)				
	5/8"	7300	8433	10722	8818
	3/4 RFSS				
	1"	108	87	93	96
	1" RFSS				
	1 1/2	26	54	32	37
	1 1/2 RFSS				
	2"	47	91	79	72
	2" RFSS				
	3" Compound	16	16	12	15
	3" Turbine				
	4" Compound	27	32	15	25
	4" Turbine				
	6" Compound	7	25	11	14
	6" Turbine				
	8"	4	7	6	6
	10"		6	4	5
3	Tampering of Meter				
a	5/8" or 3/4"	4232	3601	4495	4109
b	1", 1.5" or 2"		65	63	64
c	3" and larger		26	21	24
4	Shut-Off and Restoration of Water Service				
a	Non-payment	4795	3445	3234	3825
b	Non-compliance with Notice of Defect	1093	999	1249	1114
c	Operating service valve 2" and smaller service lines	671	479	643	598
d	Operating service valve larger than 2" service lines		107	162	135
e	Obstructed curb stop, missing access box, requires excavation		887	1047	967
f	Curb stop inoperable, requires installation of new curb stop				
g	Obstructed curb stop, missing access box, requires excavation and footway paving		886	1046	966
h	Curb stop inoperable, requires installation of new curb stop and footway paving				
i	Excavation and shutoff of ferrule at the water main	667	661	574	634
5	Pumping of Properties				
6	Charges for Water Main Shutdown Service	580	758	779	706
7	Water Connection Charges				
	Ferrule Connections				
a	3/4"	1910	1893	2043	1949
b	1"	611	916	967	831
c	1.5"	50	91	156	99
d	2"	115	104	160	126
	Valve Connections				
e	3" & 4"	26	32	28	29
f	6" & 8"	5	9	5	6
g	10" & 12"				
	Attachment to a Transmission Main				
	3" & 4" Sleeve				
	16" Main				
	20" Main				
	24" Main				
	30" Main				
	36" Main				
	6" & 8" Sleeve				

TABLE 3: EXISTING MISCELLANEOUS CHARGES ACTIVITY VOLUME					
#	Miscellaneous Charge Description	Activity Volume (FY 2014)	Activity Volume (FY 2015)	Activity Volume (FY 2016)	Projected Activity Volume (3-Year Historical Average)
	16" Main				
	20" Main				
	24" Main				
	30" Main				
	36" Main				
	10" & 12" Sleeve				
	16" Main				
	20" Main				
	24" Main				
	30" Main				
	36" Main				
8	Discontinuance of Water	331	552	645	509
9	Hydrant Permits				
a	One Week	78	126	102	102
b	Six Month				
10	Flow Tests	86	80	90	85
11	Water Service Line Investigations and/or Inspections				
Section 7- Miscellaneous Sewer Charges					
3	Wastewater Discharge Permit	25	35	27	29
4	Groundwater Discharge Permit	22	27	19	23
5	Manhole Pump-out Permit	1	2	3	2
6	Trucked or Hauled Wastewater Permit	1	0	0	0
7	Photographic & Video Inspection				
Section 8- Miscellaneous Stormwater Charges					
1	Stormwater Plan Review Fees				
a	Conceptual Stormwater Plan Approval	124	128	120	124
b	Post Construction Stormwater Plan Submission	79	72	85	79
c	Post Construction Stormwater Plan Approval (Additional Review Time Fee)	3377	3062	2369	2936
2	Stormwater Management Fee in Lieu				
a	Exemption to Water Quality Requirement	38682	13955	16000	0
b	Exemption to both Water Quality & Channel Protection Requirement	0	0	0	0
Other- Not in the Miscellaneous Charges Section					
1	Sewer Credit Application Fee	4	15	7	9
2	Sewer Credit Failure to Inform PWD about increase	0	0	0	0
3	Stormwater Credit Application Fee	52	34	4	0
4	Stormwater Credit Application Fee Renewal	232	191	230	218

Source/Notes

2a Stormwater Fee In Lieu activity volume unit of measure is square feet of earth disturbance