

RESOLUTION NO. 25542

A RESOLUTION AUTHORIZING THE AWARD OF CONTRACT NO. W-08-004-201, 2008 MISCELLANEOUS SANITARY SEWER REQUIREMENTS CONTRACT, TO MAYSE CONSTRUCTION COMPANY, INC. FOR UNIT PRICES NOT TO EXCEED THOSE ON THE LIST ATTACHED HERETO AND MADE A PART HEREOF BY REFERENCE.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, That there be and hereby is authorized the award of Contract No. W-08-004-201, 2008 Miscellaneous Sanitary Sewer Requirements Contract, to Mayse Construction Company, Inc. for unit prices not to exceed those on the list attached hereto and made a part hereof by reference.

ADOPTED: May 27, 2008

/add

Bid Tabulation
Contract No. W-08-004
2008 Miscellaneous Sanitary Sewer Requirements Contract
City of Chattanooga

Group I				Mayse Construction Co.		Talley Construction Co.		
	Item No.	Description	Unit	Est. No of Units	Unit Price	Item Total	Unit Price	Item Total
Earthwork, complete in place as specified and/or shown on drawings								
1	Crushed rock backfill complete in place as specified and/or shown on drawings in trench for pipe sewers in streets driveways, and parking lots from top of bedding to finished grade, for pipe depth indicated.							
1-6	Backfill for 6-inch or 4-inch diameter service line (regardless of depth) beyond main trench	LF	950					
					\$18.75	\$17,812.50	\$17.02	\$16,169.00
1-8	Backfill for 8-inch diameter pipe							
1-8.01	0.0' to 6.0' deep	LF Trench	1675		\$16.85	\$28,223.75	\$23.30	\$39,027.50
1-8.02	6.1' to 8.0' deep	LF Trench	1650		\$22.50	\$37,125.00	\$32.89	\$54,268.50
1-8.03	8.1' to 10.0' deep	LF Trench	750		\$27.50	\$20,625.00	\$42.29	\$31,717.50
1-8.04	10.1' to 12.0' deep	LF Trench	475		\$33.15	\$15,746.25	\$51.69	\$24,552.75
1-8.05	12.1' to 14.0' deep	LF Trench	115		\$40.00	\$4,600.00	\$76.36	\$8,781.40
1-8.06	14.1' to 16.0' deep	LF Trench	25		\$53.15	\$1,328.75	\$88.14	\$2,203.50
1-8.07	16.1' to 18.0' deep	LF Trench	120		\$72.50	\$8,700.00	\$99.85	\$11,982.00
1-8.08	18.1' to 20.0' deep	LF Trench	280		\$85.95	\$24,066.00	\$133.92	\$37,497.60
1-8.09	20.1' to 22.0' deep	LF Trench	10		\$97.50	\$975.00	\$153.13	\$1,531.30
1-8.10	22.1' to 24.0' deep	LF Trench	10		\$131.25	\$1,312.50	\$176.81	\$1,768.10
1-10	Backfill for 10-inch diameter pipe							
1-10.01	0.0' to 6.0' deep	LF Trench	100		\$16.85	\$1,685.00	\$23.49	\$2,349.00
1-10.02	6.1' to 8.0' deep	LF Trench	250		\$22.50	\$5,625.00	\$32.89	\$8,222.50
1-10.03	8.1' to 10.0' deep	LF Trench	225		\$27.50	\$6,187.50	\$42.29	\$9,515.25
1-10.04	10.1' to 12.0' deep	LF Trench	10		\$33.15	\$331.50	\$51.69	\$516.90
1-10.05	12.1' to 14.0' deep	LF Trench	10		\$40.00	\$400.00	\$76.36	\$763.60
1-10.06	14.1' to 16.0' deep	LF Trench	10		\$53.15	\$531.50	\$88.10	\$881.00
1-10.07	16.1' to 18.0' deep	LF Trench	10		\$72.50	\$725.00	\$99.85	\$998.50
1-10.08	18.1' to 20.0' deep	LF Trench	10		\$85.95	\$859.50	\$133.92	\$1,339.20
1-10.09	20.1' to 22.0' deep	LF Trench	10		\$97.50	\$975.00	\$153.13	\$1,531.30
1-10.10	22.1' to 24.0' deep	LF Trench	10		\$131.25	\$1,312.50	\$176.81	\$1,768.10
1-12	Backfill for 12-inch diameter pipe							
1-12.01	0.0' to 6.0' deep	LF Trench	10		\$16.85	\$168.50	\$23.50	\$235.00
1-12.02	6.1' to 8.0' deep	LF Trench	10		\$22.50	\$225.00	\$32.89	\$328.90
1-12.03	8.1' to 10.0' deep	LF Trench	10		\$27.50	\$275.00	\$42.29	\$422.90
1-12.04	10.1' to 12.0' deep	LF Trench	10		\$33.15	\$331.50	\$51.69	\$516.90
1-12.05	12.1' to 14.0' deep	LF Trench	10		\$40.00	\$400.00	\$76.36	\$763.60
1-12.06	14.1' to 16.0' deep	LF Trench	10		\$53.15	\$531.50	\$88.10	\$881.00
1-12.07	16.1' to 18.0' deep	LF Trench	10		\$72.50	\$725.00	\$99.85	\$998.50

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Item No.	Description	Unit	Est. No of Units	Unit Price	Item Total	Unit Price	Item Total
1-12.08	18.1' to 20.0' deep	LF Trench	10	\$85.95	\$859.50	\$133.92	\$1,339.20
1-12.09	20.1' to 22.0' deep	LF Trench	10	\$97.50	\$975.00	\$153.13	\$1,531.30
1-12.10	22.1' to 24.0' deep	LF Trench	10	\$131.25	\$1,312.50	\$176.81	\$1,768.10
1-15	Backfill for 15/16-inch diameter pipe						
1-15/16.01	0.0' to 6.0' deep	LF Trench	10	\$17.50	\$175.00	\$23.50	\$235.00
1-15/16.02	6.1' to 8.0' deep	LF Trench	10	\$21.85	\$218.50	\$32.89	\$328.90
1-15/16.03	8.1' to 10.0' deep	LF Trench	10	\$26.25	\$262.50	\$42.29	\$422.90
1-15/16.04	10.1' to 12.0' deep	LF Trench	10	\$33.75	\$337.50	\$51.69	\$516.90
1-15/16.05	12.1' to 14.0' deep	LF Trench	10	\$44.35	\$443.50	\$76.36	\$763.60
1-15/16.06	14.1' to 16.0' deep	LF Trench	10	\$59.00	\$590.00	\$88.10	\$881.00
1-15/16.07	16.1' to 18.0' deep	LF Trench	10	\$80.60	\$806.00	\$99.85	\$998.50
1-15/16.08	18.1' to 20.0' deep	LF Trench	10	\$96.25	\$962.50	\$133.92	\$1,339.20
1-15/16.09	20.1' to 22.0' deep	LF Trench	10	\$112.50	\$1,125.00	\$161.43	\$1,614.30
1-15/16.10	22.1' to 24.0' deep	LF Trench	10	\$161.25	\$1,612.50	\$213.54	\$2,135.40
1-18	Backfill for 18-inch diameter pipe						
1-18.01	0.0' to 6.0' deep	LF Trench	10	\$20.00	\$200.00	\$26.51	\$265.10
1-18.02	6.1' to 8.0' deep	LF Trench	10	\$22.50	\$225.00	\$37.08	\$370.80
1-18.03	8.1' to 10.0' deep	LF Trench	10	\$28.45	\$284.50	\$47.66	\$476.60
1-18.04	10.1' to 12.0' deep	LF Trench	10	\$35.00	\$350.00	\$58.23	\$582.30
1-18.05	12.1' to 14.0' deep	LF Trench	10	\$46.25	\$462.50	\$83.91	\$839.10
1-18.06	14.1' to 16.0' deep	LF Trench	10	\$61.85	\$618.50	\$97.00	\$970.00
1-18.07	16.1' to 18.0' deep	LF Trench	10	\$83.15	\$831.50	\$109.92	\$1,099.20
1-18.08	18.1' to 20.0' deep	LF Trench	10	\$102.80	\$1,028.00	\$145.00	\$1,450.00
1-18.09	20.1' to 22.0' deep	LF Trench	10	\$129.10	\$1,291.00	\$174.96	\$1,749.60
1-18.10	22.1' to 24.0' deep	LF Trench	10	\$176.85	\$1,768.50	\$231.28	\$2,312.80
1-20	Backfill for 20/21-inch diameter pipe						
1-20.01	0.0' to 6.0' deep	LF Trench	10	\$20.00	\$200.00	\$29.37	\$293.70
1-20.02	6.1' to 8.0' deep	LF Trench	10	\$22.50	\$225.00	\$41.12	\$411.20
1-20.03	8.1' to 10.0' deep	LF Trench	10	\$28.45	\$284.50	\$52.86	\$528.60
1-20.04	10.1' to 12.0' deep	LF Trench	10	\$35.00	\$350.00	\$64.61	\$646.10
1-20.05	12.1' to 14.0' deep	LF Trench	10	\$46.25	\$462.50	\$76.36	\$763.60
1-20.06	14.1' to 16.0' deep	LF Trench	10	\$61.85	\$618.50	\$105.73	\$1,057.30
1-20.07	16.1' to 18.0' deep	LF Trench	10	\$83.15	\$831.50	\$119.82	\$1,198.20
1-20.08	18.1' to 20.0' deep	LF Trench	10	\$102.80	\$1,028.00	\$156.24	\$1,562.40
1-20.09	20.1' to 22.0' deep	LF Trench	10	\$129.10	\$1,291.00	\$188.34	\$1,883.40

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Item No.	Description	Unit	Est. No of Units	Unit Price	Item Total	Unit Price	Item Total
1-20.10	22.1' to 24.0' deep	LF Trench	10	\$176.85	\$1,768.50	\$249.18	\$2,491.80
1-24	Backfill for 24-inch diameter pipe						
1-24.01	0.0' to 6.0' deep	LF Trench	10	\$20.00	\$200.00	\$35.24	\$352.40
1-24.02	6.1' to 8.0' deep	LF Trench	10	\$22.50	\$225.00	\$49.34	\$493.40
1-24.03	8.1' to 10.0' deep	LF Trench	10	\$28.45	\$284.50	\$63.44	\$634.40
1-24.04	10.1' to 12.0' deep	LF Trench	10	\$35.00	\$350.00	\$77.53	\$775.30
1-24.05	12.1' to 14.0' deep	LF Trench	10	\$46.25	\$462.50	\$106.90	\$1,069.00
1-24.06	14.1' to 16.0' deep	LF Trench	10	\$61.85	\$618.50	\$123.35	\$1,233.50
1-24.07	16.1' to 18.0' deep	LF Trench	10	\$83.15	\$831.50	\$139.79	\$1,397.90
1-24.08	18.1' to 20.0' deep	LF Trench	10	\$102.80	\$1,028.00	\$178.56	\$1,785.60
1-24.09	20.1' to 22.0' deep	LF Trench	10	\$129.10	\$1,291.00	\$215.24	\$2,152.40
1-24.10	22.1' to 24.0' deep	LF Trench	10	\$176.85	\$1,768.50	\$284.67	\$2,846.70
1c	Crushed rock bedding material (in excess of standard bedding)	CY	2	\$27.50	\$55.00	\$26.51	\$53.02
1d	Street sawcut over 5-inches thick	LF	8800	\$6.25	\$55,000.00	\$6.38	\$56,144.00
2	Trench Rock	CY	200	\$50.00	\$10,000.00	\$50.00	\$10,000.00
Cast in place concrete, complete in place as specified or as shown on the drawings							
3a	Class A concrete	CY	25	\$185.00	\$4,625.00	\$191.77	\$4,794.25
3b	Class B concrete	CY	50	\$150.00	\$7,500.00	\$162.77	\$8,138.50
3c	Concrete lined ditch replacement	LF	40	\$31.25	\$1,250.00	\$38.93	\$1,557.20
3d	Concrete cut off walls with 4" PVC overflow pipe to existing ditch per drawing in Appendix A installed as part of a new pipe installation	EA	6	\$2,000.00	\$12,000.00	\$562.94	\$3,377.64
3e	Concrete cut off walls with 4" PVC overflow pipe to existing ditch per drawing in Appendix A installed on existing pipe	EA	6	\$5,000.00	\$30,000.00	\$5,809.91	\$34,859.46
New and Replacement paving, sidewalks and tree removal							
12	Temporary paving, trench width only and around manholes (cold mix)	LF	4750	\$5.00	\$23,750.00	\$3.62	\$17,195.00
16a	replace 8-inch thick nonreinforced concrete driveways and roadways	SF	13650	\$8.00	\$109,200.00	\$9.55	\$130,357.50
16b	Replace 4-inch thick nonreinforced concrete in sidewalks including handicap ramps	SF	500	\$11.00	\$5,500.00	\$7.79	\$3,895.00
16c	Replace 6-inch reinforced concrete drive way aprons	SF	500	\$13.00	\$6,500.00	\$14.50	\$7,250.00
17a	Replace concrete curb, complete in place	LF	50	\$10.00	\$500.00	\$29.35	\$1,467.50
17b	Replace concrete curb and gutter, complete in place	LF	50	\$35.00	\$1,750.00	\$31.78	\$1,589.00
19	Tree removal for trees greater than 6-inch in diameter (Allowance)	LS	1	\$10,000.00	\$10,000.00	\$10,213.67	\$10,213.67
26	Type 'B' Modified asphalt binder	TN	125	\$150.00	\$18,750.00	\$116.00	\$14,500.00
27	Type 'E' asphalt topping ("City 'E' Mix")	TN	175	\$165.00	\$28,875.00	\$121.80	\$21,315.00
Misc. storm sewer work							
31	RCP storm sewers. Installed in trench including excavation, bedding, non-stone earth backfill as required, etc. complete in place						
31a	18" RCP 0' to 6' deep	LF	75	\$50.00	\$3,750.00	\$54.59	\$4,094.25
34	Concrete storm structures. Including excavation, bedding, backfill as required etc. complete in place as specified.						
34a	Curb inlet per SD-609 & SD-610	EA	1	\$4,250.00	\$4,250.00	\$3,526.74	\$3,526.74
34b	Catch basin per SD-608	EA	1	\$4,250.00	\$4,250.00	\$3,361.99	\$3,361.99
Slope proection and erosion control. All costs are to be complete in place as shown on drawings or as directed by the owner.							
35	Seed and straw	SF	14000	\$0.15	\$2,100.00	\$0.17	\$2,380.00

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Item No.	Description	Unit	Est. No of Units	Unit Price	Item Total	Unit Price	Item Total	
98a	Temporary Silt fence	LF	700	\$3.00	\$2,100.00	\$2.30	\$1,610.00	*
98b	Baled straw checks	EA	50	\$11.50	\$575.00	\$10.62	\$531.00	
98c	Check dams	EA	5	\$125.00	\$625.00	\$110.99	\$554.95	
98d	Temporary sediment basin	EA	1	\$275.00	\$275.00	\$219.32	\$219.32	
Mobilization								
717	Mobilization	EA	12	\$800.00	\$9,600.00	\$800.00	\$9,600.00	
01720	Project Record Documents							
01720a	Project record data of first two manholes of each project in Excel @ format on provided floppy disc, certified As-Builts on P & P sheets including digital cad file in AutoCAD @	EA	12	\$1,250.00	\$15,000.00	\$1,044.00	\$12,528.00	
01720b	Project record data of each additional manhole of each project in Excel @ format on provided floppy disc, certified As-Builts on P & P sheets including digital cad file in AutoCAD @	EA	25	\$275.00	\$6,875.00	\$232.00	\$5,800.00	
Manholes								
02560a	Precast or cast in place concrete manholes, standard cover or watertight cove (where shown on drawings) including frame, cover, cone or slab, brickwork required, base and							
02560a-1	4-ft diameter manhole 0-ft to 6-ft deep with base	EA	20	\$2,500.00	\$50,000.00	\$2,437.24	\$48,744.80	
02560a-2	Standard 4-ft diameter manhole riser section - extra depth over 6-ft.	VF	40	\$137.50	\$5,500.00	\$155.75	\$6,230.00	
02560a-3a	Reset manhole frame and cover 0-inches to 4-inches	EA	10	\$500.00	\$5,000.00	\$786.66	\$7,866.60	
02560a-3b	Adjust manhole frame and cover using 4-inch or 6-inch concrete donuts	VI	10	\$50.00	\$500.00	\$522.13	\$5,221.30	
02560a-3c	Removing and resetting cone, manhole frame and cover in street to install risers sections on existing manholes (risers to be paid under item 02560a-2)	EA	2	\$1,000.00	\$2,000.00	\$1,274.00	\$2,548.00	
02560a-3d	Additional manhole adjustment	VI	10	\$30.00	\$300.00	\$177.54	\$1,775.40	
02560a-4	Grout existing manholes using non-shrink grout	EA	20	\$125.00	\$2,500.00	\$139.61	\$2,792.20	
02560a-5	Pour inverts in existing Manholes	EA	2	\$185.00	\$370.00	\$393.05	\$786.10	
02560c	Drop connection to manholes, complete in place as specified or as shown on the drawings							
02560c-8	8-inch drop connection	EA	1	\$815.00	\$815.00	\$977.10	\$977.10	
02560c-10	10-inch drop connection	EA	1	\$875.00	\$875.00	\$1,137.76	\$1,137.76	
02560c-12	12-inch drop connection	EA	1	\$935.00	\$935.00	\$1,341.82	\$1,341.82	
02560c-15	15-inch drop connection	EA	1	\$1,000.00	\$1,000.00	\$2,006.53	\$2,006.53	
02560c	Bore and boot existing manholes							
02560c-8	8-inch	EA	3	\$350.00	\$1,050.00	\$504.04	\$1,512.12	
02560c-10	10-inch	EA	2	\$350.00	\$700.00	\$533.05	\$1,066.10	
02560c-12	12-inch	EA	1	\$425.00	\$425.00	\$553.96	\$553.96	
02560c-15/16	15-inch	EA	1	\$450.00	\$450.00	\$596.84	\$596.84	
02560c-18	18-inch	EA	1	\$500.00	\$500.00	\$675.76	\$675.76	
02560c-20	20-inch	EA	1	\$600.00	\$600.00	\$780.16	\$780.16	
02560c-24	24-inch	EA	1	\$700.00	\$700.00	\$959.96	\$959.96	
02752	T.V. Inspection of Sewers							
02752-8	8-inch pipe	LF	4850		#VALUE!	\$2.20	\$10,670.00	
02752-10	10-inch pipe	LF	475	\$1.00	\$475.00	\$2.20	\$1,045.00	
02752-12	12-inch pipe	LF	100	\$1.00	\$100.00	\$2.20	\$220.00	
02752-15	15/16-inch pipe	LF	100	\$1.00	\$100.00	\$2.20	\$220.00	
02752-18	18-inch pipe	LF	100	\$1.50	\$150.00	\$2.20	\$220.00	
02752-20	20-inch pipe	LF	100	\$1.50	\$150.00	\$2.48	\$248.00	
02752-24	24-inch pipe	LF	100	\$1.50	\$150.00	\$2.48	\$248.00	
Flowable Controlled Low Strength Material (CLSM) for abandoned underground pipe or for cuts made in state routes								
03575	CLSM	CY	200	\$90.00	\$18,000.00	\$112.18	\$22,436.00	
Sewage Grinder Pump System								

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11316a-1.5	1 1/2 inch diameter ASTM D2241, SDR 21 (class 200) PVC Pipe with Push-on joints	LF	10	\$12.50	\$125.00	\$26.15	\$261.50
11316a-2	2-inch diameter ASTM D2241, SDR 21 (class 200) PVC Pipe with Push-on joints	LF	10	\$12.50	\$125.00	\$30.95	\$309.50
11316a-3	3-inch diameter ASTM D2241, SDR 21 (class 200) PVC Pipe with Push-on joints	LF	700	\$15.00	\$10,500.00	\$31.48	\$22,036.00
11316b	Service line connection, including ball valve, check valve, meter box with lid, and crushed stone base, complete in place, as specified and/or shown on the drawings in Appendix A.	EA	2	\$400.00	\$800.00	\$581.69	\$1,163.38
11316c	Sewage Grinder Pump Units, complete in place, (2HP single phase) including pump, motor, controls, fiberglass containment basin, steel lid, control valves, guide rail, gravity sewer inlet pipe, site preparation, crushed stone base, anchor bolts, cleanup, remote electrical control panel with 20A circuit breaker, conduit and conductor wires, electrical connection, etc. for residential complete in place as specified and/or shown on the	EA	1	\$8,750.00	\$8,750.00	\$9,279.00	\$9,279.00
11316d	Spare sewage grinder pump units electrical control panel with components, etc. furnished to the owner including pump, motor, controls, and control valves (2HP single phase)	EA	1	\$4,000.00	\$4,000.00	\$5,800.00	\$5,800.00
11316e	Extra meter boxes with lids	EA	1	\$50.00	\$50.00	\$278.40	\$278.40
11316f	end-of-line cleanout, complete in	EA	2	\$300.00	\$600.00	\$416.08	\$832.16
11316g	mid-line cleanout, complete in place	EA	3	\$500.00	\$1,500.00	\$667.10	\$2,001.30
11316h	Junction box, complete in place	EA	2	\$250.00	\$500.00	\$418.74	\$837.48
11316i	Duplex sewage grinder pump stations (2HP single phase) complete in place, including wet well, excavation, site preparation, electrical work, telemetry system (only as noted), control panel, etc. as specified and/or shown on the drawings in Appendix A.	EA	1	\$21,250.00	\$21,250.00	\$21,607.70	\$21,607.70
Ductile iron piping. Ductile iron pipe sewers with push-on joints and rubber o-ring gaskets, excavation, bedding stone, non-stone earth backfill as required, complete in place as specified and/or shown on drawings							
15062a	Ductile iron pipe sewer service						
15062a-4	4-inch service line	LF	20	\$30.00	\$600.00	\$29.49	\$589.80
15062a-6	6-inch service line	LF	20	\$31.25	\$625.00	\$33.35	\$667.00
15062a-8	8-inch ductile iron pipe						
15062a-8.01	0.0' to 6.0' deep	LF	45	\$46.25	\$2,081.25	\$59.92	\$2,696.40
15062a-8.02	6.1' to 8.0' deep	LF	10	\$51.25	\$512.50	\$61.89	\$618.90
15062a-8.03	8.1' to 10.0' deep	LF	20	\$57.50	\$1,150.00	\$63.83	\$1,276.60
15062a-8.04	10.1' to 12.0' deep	LF	235	\$63.75	\$14,981.25	\$65.10	\$15,298.50
15062a-8.05	12.1' to 14.0' deep	LF	15	\$72.50	\$1,087.50	\$81.99	\$1,229.85
15062a-8.06	14.1' to 16.0' deep	LF	25	\$83.75	\$2,093.75	\$88.97	\$2,224.25
15062a-8.07	16.1' to 18.0' deep	LF	120	\$96.25	\$11,550.00	\$100.27	\$12,032.40
15062a-8.08	18.1' to 20.0' deep	LF	280	\$115.00	\$32,200.00	\$155.61	\$43,570.80
15062a-8.09	20.1' to 22.0' deep	LF	10	\$140.00	\$1,400.00	\$222.09	\$2,220.90
15062a-8.10	22.1' to 24.0' deep	LF	10	\$171.25	\$1,712.50	\$266.37	\$2,663.70
15062a-10	10-inch ductile iron pipe						
15062a-10.01	0.0' to 6.0' deep	LF	10	\$50.00	\$500.00	\$64.09	\$640.90
15062a-10.02	6.1' to 8.0' deep	LF	10	\$55.00	\$550.00	\$65.96	\$659.60
15062a-10.03	8.1' to 10.0' deep	LF	10	\$61.25	\$612.50	\$68.14	\$681.40

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Item No.	Description	Unit	Est. No of Units	Unit Price	Item Total	Unit Price	Item Total
15062a-10.04	10.1' to 12.0' deep	LF	10	\$67.50	\$675.00	\$69.38	\$693.80
15062a-10.05	12.1' to 14.0' deep	LF	10	\$76.25	\$762.50	\$85.81	\$858.10
15062a-10.06	14.1' to 16.0' deep	LF	10	\$87.50	\$875.00	\$93.04	\$930.40
15062a-10.07	16.1' to 18.0' deep	LF	10	\$100.00	\$1,000.00	\$104.41	\$1,044.10
15062a-10.08	18.1' to 20.0' deep	LF	10	\$118.75	\$1,187.50	\$159.75	\$1,597.50
15062a-10.09	20.1' to 22.0' deep	LF	10	\$143.75	\$1,437.50	\$226.16	\$2,261.60
15062a-10.10	22.1' to 24.0' deep	LF	10	\$175.00	\$1,750.00	\$270.44	\$2,704.40
15062a-12	12-inch ductile iron pipe						
15062a-12.01	0.0' to 6.0' deep	LF	10	\$59.35	\$593.50	\$69.24	\$692.40
15062a-12.02	6.1' to 8.0' deep	LF	10	\$62.50	\$625.00	\$71.11	\$711.10
15062a-12.03	8.1' to 10.0' deep	LF	10	\$69.35	\$693.50	\$73.29	\$732.90
15062a-12.04	10.1' to 12.0' deep	LF	10	\$74.35	\$743.50	\$74.53	\$745.30
15062a-12.05	12.1' to 14.0' deep	LF	10	\$86.15	\$861.50	\$90.96	\$909.60
15062a-12.06	14.1' to 16.0' deep	LF	10	\$97.50	\$975.00	\$98.19	\$981.90
15062a-12.07	16.1' to 18.0' deep	LF	10	\$108.75	\$1,087.50	\$109.56	\$1,095.60
15062a-12.08	18.1' to 20.0' deep	LF	10	\$122.50	\$1,225.00	\$164.90	\$1,649.00
15062a-12.09	20.1' to 22.0' deep	LF	10	\$145.00	\$1,450.00	\$231.31	\$2,313.10
15062a-12.10	22.1' to 24.0' deep	LF	10	\$175.00	\$1,750.00	\$275.59	\$2,755.90
15062a-15/16	15/16-inch ductile iron pipe						
15062a-15/16.01	0.0' to 6.0' deep	LF	10	\$72.50	\$725.00	\$64.56	\$645.60
15062a-15/16.02	6.1' to 8.0' deep	LF	10	\$75.60	\$756.00	\$66.42	\$664.20
15062a-15/16.03	8.1' to 10.0' deep	LF	10	\$82.15	\$821.50	\$68.60	\$686.00
15062a-15/16.04	10.1' to 12.0' deep	LF	10	\$88.75	\$887.50	\$69.85	\$698.50
15062a-15/16.05	12.1' to 14.0' deep	LF	10	\$103.75	\$1,037.50	\$86.28	\$862.80
15062a-15/16.06	14.1' to 16.0' deep	LF	10	\$112.50	\$1,125.00	\$85.98	\$859.80
15062a-15/16.07	16.1' to 18.0' deep	LF	10	\$131.25	\$1,312.50	\$104.87	\$1,048.70
15062a-15/16.08	18.1' to 20.0' deep	LF	10	\$153.75	\$1,537.50	\$160.21	\$1,602.10
15062a-15/16.09	20.1' to 22.0' deep	LF	10	\$165.00	\$1,650.00	\$226.63	\$2,266.30
15062a-15/16.10	22.1' to 24.0' deep	LF	10	\$200.00	\$2,000.00	\$270.90	\$2,709.00
15062a-20	20-inch ductile iron pipe						
15062a-20.01	0.0' to 6.0' deep	LF	10	\$85.65	\$856.50	\$97.55	\$975.50
15062a-20.02	6.1' to 8.0' deep	LF	10	\$93.15	\$931.50	\$99.41	\$994.10
15062a-20.03	8.1' to 10.0' deep	LF	10	\$99.35	\$993.50	\$101.59	\$1,015.90
15062a-20.04	10.1' to 12.0' deep	LF	10	\$107.50	\$1,075.00	\$102.84	\$1,028.40
15062a-20.05	12.1' to 14.0' deep	LF	10	\$123.75	\$1,237.50	\$119.27	\$1,192.70
15062a-20.06	14.1' to 16.0' deep	LF	10	\$136.85	\$1,368.50	\$126.50	\$1,265.00
15062a-20.07	16.1' to 18.0' deep	LF	10	\$150.00	\$1,500.00	\$137.86	\$1,378.60
15062a-20.08	18.1' to 20.0' deep	LF	10	\$163.75	\$1,637.50	\$193.20	\$1,932.00
15062a-20.09	20.1' to 22.0' deep	LF	10	\$176.85	\$1,768.50	\$259.62	\$2,596.20
15062a-20.10	22.1' to 24.0' deep	LF	10	\$207.15	\$2,071.50	\$303.89	\$3,038.90
15062a-24	24-inch ductile iron pipe						
15062a-24.01	0.0' to 6.0' deep	LF	10	\$106.25	\$1,062.50	\$116.62	\$1,166.20
15062a-24.02	6.1' to 8.0' deep	LF	10	\$110.65	\$1,106.50	\$118.48	\$1,184.80
15062a-24.03	8.1' to 10.0' deep	LF	10	\$115.65	\$1,156.50	\$120.66	\$1,206.60
15062a-24.04	10.1' to 12.0' deep	LF	10	\$124.35	\$1,243.50	\$121.91	\$1,219.10
15062a-24.05	12.1' to 14.0' deep	LF	10	\$141.25	\$1,412.50	\$138.34	\$1,383.40
15062a-24.06	14.1' to 16.0' deep	LF	10	\$155.00	\$1,550.00	\$145.57	\$1,455.70
15062a-24.07	16.1' to 18.0' deep	LF	10	\$166.85	\$1,668.50	\$156.93	\$1,569.30
15062a-24.08	18.1' to 20.0' deep	LF	10	\$181.25	\$1,812.50	\$212.27	\$2,122.70
15062a-24.09	20.1' to 22.0' deep	LF	10	\$195.00	\$1,950.00	\$278.69	\$2,786.90
15062a-24.10	22.1' to 24.0' deep	LF	10	\$230.00	\$2,300.00	\$322.96	\$3,229.60
15062b	DI pipe risers complete in place						
15062b-4	4-inch clean out	EA	10	\$230.00	\$2,300.00	\$437.44	\$4,374.40
15062b-6	6-inch clean out	EA	10	\$335.00	\$3,350.00	\$447.59	\$4,475.90
15062c	DI pipe tees, complete in place as						
15062c-24T4	24-inch x 4-inch pipe tee	EA	1	\$1,687.00	\$1,687.00	\$1,555.69	\$1,555.69
15062c-24T6	24-inch x 6-inch pipe tee	EA	1	\$1,625.00	\$1,625.00	\$1,516.18	\$1,516.18
15062c-18T4	18-inch x 4-inch pipe tee	EA	1	\$1,250.00	\$1,250.00	\$1,175.79	\$1,175.79
15062c-18T6	18-inch x 6-inch pipe tee	EA	1	\$1,185.00	\$1,185.00	\$1,136.28	\$1,136.28
15062c-12T4	12-inch x 4-inch pipe tee	EA	1	\$270.00	\$270.00	\$312.23	\$312.23
15062c-12T6	12-inch x 6-inch pipe tee	EA	1	\$280.00	\$280.00	\$319.48	\$319.48
15062c-10T4	10-inch x 4-inch pipe tee	EA	1	\$250.00	\$250.00	\$277.72	\$277.72
15062c-10T6	10-inch x 6-inch pipe tee	EA	1	\$250.00	\$250.00	\$282.14	\$282.14
15062c-8T4	8-inch x 4-inch pipe tee	EA	5	\$175.00	\$875.00	\$241.89	\$1,209.45
15062c-8T6	8-inch x 6-inch pipe tee	EA	1	\$190.00	\$190.00	\$251.77	\$251.77
16062d	DI fittings	LB	200	\$5.00	\$1,000.00	\$8.66	\$1,732.00

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Item No.	Description	Unit	Est. No of Units	Unit Price	Item Total	Unit Price	Item Total
PVC sewers and service lines with bell and spigot o-ring joints installed in trench including excavation, bedding, non-stone earth backfill as required, etc. complete in place as specified.							
15064a	PVC pipe sewer service lines						
15064a-4	4-inch service line	LF	950	\$26.25	\$24,937.50	\$24.30	\$23,085.00
15064a-6	6-inch service line	LF	10	\$27.50	\$275.00	\$29.90	\$299.00
15064a-8	8-inch PVC pipe						
15064a-8.01	0.0' to 6.0' deep	LF	1675	\$43.50	\$72,862.50	\$49.11	\$82,259.25
15064a-8.02	6.1' to 8.0' deep	LF	1550	\$48.00	\$74,400.00	\$50.83	\$78,786.50
15064a-8.03	8.1' to 10.0' deep	LF	750	\$53.00	\$39,750.00	\$52.99	\$39,742.50
15064a-8.04	10.1' to 12.0' deep	LF	450	\$59.00	\$26,550.00	\$55.77	\$25,096.50
15064a-8.05	12.1' to 14.0' deep	LF	100	\$71.75	\$7,175.00	\$70.91	\$7,091.00
15064a-8.06	14.1' to 16.0' deep	LF	10	\$78.50	\$785.00	\$78.05	\$780.50
15064a-8.07	16.1' to 18.0' deep	LF	10	\$90.60	\$906.00	\$89.42	\$894.20
15064a-10	10-inch PVC pipe						
15064a-10.01	0.0' to 6.0' deep	LF	10	\$46.65	\$466.50	\$50.88	\$508.80
15064a-10.02	6.1' to 8.0' deep	LF	250	\$50.45	\$12,612.50	\$52.61	\$13,152.50
15064a-10.03	8.1' to 10.0' deep	LF	225	\$57.30	\$12,892.50	\$54.77	\$12,323.25
15064a-10.04	10.1' to 12.0' deep	LF	10	\$62.30	\$623.00	\$57.41	\$574.10
15064a-10.05	12.1' to 14.0' deep	LF	10	\$67.95	\$679.50	\$72.60	\$726.00
15064a-10.06	14.1' to 16.0' deep	LF	10	\$80.00	\$800.00	\$79.83	\$798.30
15064a-10.07	16.1' to 18.0' deep	LF	10	\$90.60	\$906.00	\$91.20	\$912.00
15064a-12	12-inch PVC pipe						
15064a-12.01	0.0' to 6.0' deep	LF	10	\$62.80	\$628.00	\$52.98	\$529.80
15064a-12.02	6.1' to 8.0' deep	LF	10	\$67.95	\$679.50	\$54.85	\$548.50
15064a-12.03	8.1' to 10.0' deep	LF	10	\$69.35	\$693.50	\$57.02	\$570.20
15064a-12.04	10.1' to 12.0' deep	LF	10	\$73.75	\$737.50	\$59.51	\$595.10
15064a-12.05	12.1' to 14.0' deep	LF	10	\$83.75	\$837.50	\$74.70	\$747.00
15064a-12.06	14.1' to 16.0' deep	LF	10	\$91.85	\$918.50	\$81.93	\$819.30
15064a-12.07	16.1' to 18.0' deep	LF	10	\$103.15	\$1,031.50	\$93.30	\$933.00
15064a-15	15-inch PVC pipe						
15064a-15.01	0.0' to 6.0' deep	LF	10	\$66.50	\$665.00	\$56.44	\$564.40
15064a-15.02	6.1' to 8.0' deep	LF	10	\$68.75	\$687.50	\$58.30	\$583.00
15064a-15.03	8.1' to 10.0' deep	LF	10	\$72.50	\$725.00	\$60.48	\$604.80
15064a-15.04	10.1' to 12.0' deep	LF	10	\$77.50	\$775.00	\$62.97	\$629.70
15064a-15.05	12.1' to 14.0' deep	LF	10	\$86.85	\$868.50	\$78.16	\$781.60
15064a-15.06	14.1' to 16.0' deep	LF	10	\$96.25	\$962.50	\$85.38	\$853.80
15064a-15.07	16.1' to 18.0' deep	LF	10	\$102.50	\$1,025.00	\$96.75	\$967.50
15064a-18	18-inch PVC pipe						
15064a-18.01	0.0' to 6.0' deep	LF	10	\$81.25	\$812.50	\$60.58	\$605.80
15064a-18.02	6.1' to 8.0' deep	LF	10	\$85.65	\$856.50	\$62.44	\$624.40
15064a-18.03	8.1' to 10.0' deep	LF	10	\$90.30	\$903.00	\$64.62	\$646.20
15064a-18.04	10.1' to 12.0' deep	LF	10	\$95.00	\$950.00	\$67.11	\$671.10
15064a-18.05	12.1' to 14.0' deep	LF	10	\$110.00	\$1,100.00	\$82.30	\$823.00
15064a-18.06	14.1' to 16.0' deep	LF	10	\$123.15	\$1,231.50	\$89.53	\$895.30
15064a-18.07	16.1' to 18.0' deep	LF	10	\$132.50	\$1,325.00	\$100.89	\$1,008.90
15064a-21	21-inch PVC pipe						
15064a-21.01	0.0' to 6.0' deep	LF	10	\$85.30	\$853.00	\$66.34	\$663.40
15064a-21.02	6.1' to 8.0' deep	LF	10	\$88.15	\$881.50	\$68.21	\$682.10
15064a-21.03	8.1' to 10.0' deep	LF	10	\$92.50	\$925.00	\$70.39	\$703.90
15064a-21.04	10.1' to 12.0' deep	LF	10	\$97.50	\$975.00	\$72.87	\$728.70
15064a-21.05	12.1' to 14.0' deep	LF	10	\$113.15	\$1,131.50	\$88.06	\$880.60
15064a-21.06	14.1' to 16.0' deep	LF	10	\$126.25	\$1,262.50	\$95.29	\$952.90
15064a-21.07	16.1' to 18.0' deep	LF	10	\$141.25	\$1,412.50	\$106.66	\$1,066.60
15064a-24	24-inch PVC pipe						
15064a-24.01	0.0' to 6.0' deep	LF	10	\$192.50	\$1,925.00 *	\$76.56	\$765.60
15064a-24.02	6.1' to 8.0' deep	LF	10	\$96.25	\$962.50	\$78.43	\$784.30
15064a-24.03	8.1' to 10.0' deep	LF	10	\$101.25	\$1,012.50	\$80.61	\$806.10
15064a-24.04	10.1' to 12.0' deep	LF	10	\$108.75	\$1,087.50	\$83.09	\$830.90
15064a-24.05	12.1' to 14.0' deep	LF	10	\$123.75	\$1,237.50	\$98.28	\$982.80
15064a-24.06	14.1' to 16.0' deep	LF	10	\$135.65	\$1,356.50	\$105.51	\$1,055.10
15064a-24.07	16.1' to 18.0' deep	LF	10	\$154.35	\$1,543.50	\$116.88	\$1,168.80
15064b	PVC pipe risers complete in place						
15064b-4	4-inch clean out	EA	10	\$95.00	\$950.00	\$332.31	\$3,323.10
15064b-6	6-inch clean out	EA	10	\$100.00	\$1,000.00	\$343.92	\$3,439.20
15064c	PVC pipe tees, complete in place as specified or as shown on the drawings						
15064c-24T4	24-inch x 4-inch pipe tee	EA	1	\$835.00	\$835.00	\$1,102.00	\$1,102.00
15064c-24T6	24-inch x 6-inch pipe tee	EA	1	\$1,000.00	\$1,000.00	\$1,328.20	\$1,328.20

