

BID TAB FY17 SANITARY SEWER REHABILITATION				1		2	
				Atlantic Coast Contractors		State Utility Contractors, Inc.	
ITEM	DESCRIPTION	QUANTITY	UNIT				
1	FOR CLEANING AND TELEVISIONING EXISTING SEWERS TO FURTHER EVALUATE THE SEWERS, AS SPECIFIED, ANY REQUIRED CLEANING, ANY LOCATION, ANY LENGTH OF SEWER, COMPLETE IN PLACE, FOR VARIOUS PIPE DIAMETERS.						
A.	EXISTING 4" or 6" DIAMETER SERVICE LATERALS USING A PUSH CAMERA FROM AN OPEN ENDED PIPE OR CLEAN-OUT	25	EA	\$210.00	\$5,250.00	\$400.00	\$10,000.00
B.	EXISTING 6" DIAMETER MAIN SEWERS	500	LF	\$2.80	\$1,400.00	\$6.00	\$3,000.00
C.	EXISTING 8" DIAMETER MAIN SEWERS	5,000	LF	\$2.90	\$14,500.00	\$7.00	\$35,000.00
D.	EXISTING 10" DIAMETER MAIN SEWERS	2,500	LF	\$2.95	\$7,375.00	\$8.00	\$20,000.00
E.	EXISTING 12" DIAMETER MAIN SEWERS	2,000	LF	\$3.20	\$6,400.00	\$8.00	\$16,000.00
F.	EXISTING 15"/16" DIAMETER MAIN SEWERS	1,000	LF	\$5.00	\$5,000.00	\$9.00	\$9,000.00
G.	EXISTING 18" DIAMETER MAIN SEWERS	1,000	LF	\$6.00	\$6,000.00	\$10.00	\$10,000.00
H.	ADD-ON PRICE FOR CLEANING AND TELEVISIONING EXISTING SEWERS IN EASEMENT AREAS, ANY DIAMETER, ADD ON TO ITEMS 1B, 1C, 1D, 1E, 1F, OR 1G ABOVE	500	LF	\$1.15	\$575.00	\$2.00	\$1,000.00
I.	DYE TEST TO VERIFY IF A SERVICE LATERAL IS ACTIVE						
1)	1 OR 2 SERVICES TO BE DYE TESTED PER SEWER SEGMENT; COST PER DYE TEST	5	EA	\$86.00	\$430.00	\$100.00	\$500.00
2)	3 OR MORE SERVICES TO BE DYE TESTED PER SEWER SEGMENT; COST PER DYE TEST	5	EA	\$57.00	\$285.00	\$75.00	\$375.00
2	FOR PERFORMING POINT REPAIRS TO EXISTING GRAVITY SEWERS USING, REPAIR LENGTH AS SPECIFIED BELOW, VARIOUS PIPE DIAMETERS, VARIOUS DEPTHS OF SEWER, BACKFILL USING EXCAVATED SOIL EXCEPT AS NOTED, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED AND IN ACCORDANCE WITH DETAIL B. COMPLETE IN PLACE.						
A.	REPAIR TO EXIST 4" OR 6" DIAMETER SEWERS (SERVICE LATERALS) USING PVC PIPE						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 6 FEET LONG	5	EA	\$1,400.00	\$7,000.00	\$5,500.00	\$27,500.00
(b)	GREATER THAN 6 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 6 FEET, ADD TO ITEM 1(a) ABOVE	10	LF	\$60.00	\$600.00	\$40.00	\$400.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 6 FEET LONG	1	EA	\$2,500.00	\$2,500.00	\$5,600.00	\$5,600.00
(b)	GREATER THAN 6 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 6 FEET, ADD TO ITEM 2(a) ABOVE	5	LF	\$80.00	\$400.00	\$45.00	\$225.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 6 FEET LONG	1	EA	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00
(b)	GREATER THAN 6 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 6 FEET, ADD TO ITEM 3(a) ABOVE	5	LF	\$160.00	\$800.00	\$50.00	\$250.00
B.	REPAIR TO EXIST 8" DIAMETER SEWERS USING PVC PIPE						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 12 FEET LONG	30	EA	\$3,300.00	\$99,000.00	\$5,600.00	\$168,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	250	LF	\$75.00	\$18,750.00	\$50.00	\$12,500.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	15	EA	\$3,600.00	\$54,000.00	\$6,000.00	\$90,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	150	LF	\$110.00	\$16,500.00	\$55.00	\$8,250.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	2	EA	\$7,500.00	\$15,000.00	\$7,500.00	\$15,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	10	LF	\$205.00	\$2,050.00	\$65.00	\$650.00
4)	20.1 TO 25 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$9,000.00	\$9,000.00	\$16,000.00	\$16,000.00

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(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	5	LF	\$250.00	\$1,250.00	\$90.00	\$450.00
C.	REPAIR TO EXIST 10" DIAMETER SEWERS USING PVC PIPE						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 12 FEET LONG	5	EA	\$4,000.00	\$20,000.00	\$5,700.00	\$28,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	50	LF	\$85.00	\$4,250.00	\$50.00	\$2,500.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	3	EA	\$4,300.00	\$12,900.00	\$6,000.00	\$18,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	15	LF	\$120.00	\$1,800.00	\$60.00	\$900.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$8,200.00	\$8,200.00	\$7,500.00	\$7,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	5	LF	\$215.00	\$1,075.00	\$70.00	\$350.00
4)	20.1 TO 25 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$9,700.00	\$9,700.00	\$17,000.00	\$17,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	5	LF	\$260.00	\$1,300.00	\$95.00	\$475.00
D.	REPAIR TO EXIST 12" DIAMETER SEWERS USING PVC PIPE						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 12 FEET LONG	3	EA	\$4,700.00	\$14,100.00	\$6,600.00	\$19,800.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	5	LF	\$95.00	\$475.00	\$55.00	\$275.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	5	LF	\$130.00	\$650.00	65	\$325.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$8,900.00	\$8,900.00	\$9,000.00	\$9,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	5	LF	\$225.00	\$1,125.00	\$75.00	\$375.00
4)	20.1 TO 25 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$10,400.00	\$10,400.00	\$18,000.00	\$18,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	5	LF	\$270.00	\$1,350.00	\$100.00	\$500.00
E.	REPAIR TO EXIST 15" DIAMETER SEWERS USING PVC PIPE						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 12 FEET LONG	3	EA	\$5,400.00	\$16,200.00	\$7,200.00	\$21,600.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	5	LF	\$105.00	\$525.00	\$65.00	\$325.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$5,700.00	\$5,700.00	\$8,000.00	\$8,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	5	LF	\$140.00	\$700.00	\$70.00	\$350.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$9,600.00	\$9,600.00	\$10,000.00	\$10,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	5	LF	\$235.00	\$1,175.00	\$80.00	\$400.00
4)	20.1 TO 25 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$11,100.00	\$11,100.00	\$20,000.00	\$20,000.00

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(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	5	LF	\$280.00	\$1,400.00	\$125.00	\$625.00
F.	INSTALL DIP TEE WITHIN POINT REPAIR SEGMENT AND RECONNECT LATERAL TO TEE (UP TO 6 FEET OF LATERAL)(ANY DEPTH)						
1)	8 INCH TEE	25	EA	\$720.00	\$18,000.00	\$700.00	\$17,500.00
2)	10 INCH TEE	3	EA	\$850.00	\$2,550.00	\$850.00	\$2,550.00
3)	12 INCH TEE	2	EA	\$950.00	\$1,900.00	\$950.00	\$1,900.00
4)	15/16 INCH TEE	1	EA	\$1,400.00	\$1,400.00	\$1,300.00	\$1,300.00
G.	REPLACE EXISTING STORM SEWER WITH NEW LIKE-SIZE RCP STORM SEWER AS NECESSARY DURING POINT REPAIRS (ANY DEPTH)						
1)	12" STORM SEWER	10	LF	\$70.00	\$700.00	\$40.00	\$400.00
2)	15" STORM SEWER	10	LF	\$80.00	\$800.00	\$55.00	\$550.00
3)	18" STORM SEWER	10	LF	\$90.00	\$900.00	\$70.00	\$700.00
3	FOR REPLACING EXISTING SERVICE LATERAL CONNECTIONS AT MAIN SEWER AND INSTALLING NEW LATERAL PIPE TO PROPERTY LINE VIA EXCAVATION, CONNECTION TO BE DUCTILE IRON PIPE ONLY IF BEFORE CIPP OR IF NO CIPP, CONNECTION TO BE STRAP-ON SADDLE ONLY IF AFTER CIPP OR AFTER PIPE BURSTING, LATERAL PIPE TO BE PVC OR DUCTILE IRON AS NOTED, CONNECTIONS TO VARIOUS SIZE MAIN SEWERS, VARIOUS LATERAL DEPTHS, BACKFILLING WITH EXCAVATED SOIL EXCEPT AS NOTED, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED AND IN ACCORDANCE WITH DETAILS F AND I, COMPLETE IN PLACE. ITEM TO BE PAID FOR SERVICE LATERAL WORK ONLY OR AS PART OF A POINT REPAIR PAID IN BID ITEM 2 ABOVE						
A.	NEW CONNECTION AND 6 FEET OF NEW LATERAL PIPE (PVC OR DIP AS NOTED) INCLUDING ALL REQUIRED FITTINGS AND CONNECTION TO EXISTING LATERAL PIPE WHEN REQUIRED						
1)	LATERAL 0 TO 10 FEET DEEP AT THE MAIN SEWER						
(a)	DIP TEE CONNECTION TO EXIST 6" TO 8" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	25	EA	\$2,800.00	\$70,000.00	\$3,500.00	\$87,500.00
(b)	DIP TEE CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	3	EA	\$4,000.00	\$12,000.00	\$4,000.00	\$12,000.00
(c)	DIP TEE CONNECTION TO EXIST 15"/16" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	2	EA	\$4,850.00	\$9,700.00	\$5,500.00	\$11,000.00
(d)	STRAP-ON CONNECTION TO EXIST 6" TO 8" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	10	EA	\$2,200.00	\$22,000.00	\$3,000.00	\$30,000.00
(e)	STRAP-ON CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	2	EA	\$2,200.00	\$4,400.00	\$3,500.00	\$7,000.00
(f)	STRAP-ON CONNECTION TO EXIST 15"/16" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00
(g)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 1(a) THROUGH 1(f) ABOVE)	15	EA	\$200.00	\$3,000.00	\$400.00	\$6,000.00
2)	LATERAL 10.1 TO 15 FEET DEEP AT THE MAIN SEWER						
(a)	DIP TEE CONNECTION TO EXIST 6" TO 8" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	15	EA	\$3,900.00	\$58,500.00	\$3,700.00	\$55,500.00
(b)	DIP TEE CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	3	EA	\$5,000.00	\$15,000.00	\$4,700.00	\$14,100.00
(c)	DIP TEE CONNECTION TO EXIST 15"/16" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	2	EA	\$6,200.00	\$12,400.00	\$6,600.00	\$13,200.00
(d)	STRAP-ON CONNECTION TO EXIST 6" TO 8" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	5	EA	\$2,800.00	\$14,000.00	\$3,500.00	\$17,500.00
(e)	STRAP-ON CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	2	EA	\$2,800.00	\$5,600.00	\$4,100.00	\$8,200.00

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(f)	STRAP-ON CONNECTION TO EXIST 15"/16" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$3,100.00	\$3,100.00	\$5,500.00	\$5,500.00
(g)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 2(a) THROUGH 2(f) ABOVE)	3	EA	\$220.00	\$660.00	\$450.00	\$1,350.00
3)	LATERAL 15.1 TO 20 FEET DEEP AT THE MAIN SEWER						
(a)	DIP TEE CONNECTION TO EXIST 6" TO 8" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	3	EA	\$6,000.00	\$18,000.00	\$4,700.00	\$14,100.00
(b)	DIP TEE CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$6,500.00	\$6,500.00	\$6,200.00	\$6,200.00
(c)	DIP TEE CONNECTION TO EXIST 15"/16" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$7,800.00	\$7,800.00	\$8,200.00	\$8,200.00
(d)	STRAP-ON CONNECTION TO EXIST 6" TO 8" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	3	EA	\$5,200.00	\$15,600.00	\$4,400.00	\$13,200.00
(e)	STRAP-ON CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$5,300.00	\$5,300.00	\$5,700.00	\$5,700.00
(f)	STRAP-ON CONNECTION TO EXIST 15"/16" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$5,600.00	\$5,600.00	\$7,000.00	\$7,000.00
(g)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 3(a) THROUGH 3(f) ABOVE)	2	EA	\$240.00	\$480.00	\$500.00	\$1,000.00
B.	NEW LATERAL PIPE FROM END OF TEE CONNECTION AND 6 FEET OF PIPE PAID UNDER ITEM 3A TO THE TERMINATION POINT AS SPECIFIED BY THE ENGINEER, OR NEW LATERAL INSTALLATION INTO A NEW OR EXISTING MANHOLE, INCLUDING ALL REQUIRED FITTINGS, VARIOUS PIPE DIAMETERS AND MATERIALS. VARIOUS LATERAL DEPTHS						
1)	LATERAL PIPE 0 TO 10 FEET DEEP						
(a)	4" PVC LATERAL PIPE	150	LF	\$54.00	\$8,100.00	\$45.00	\$6,750.00
(b)	6" PVC LATERAL PIPE	25	LF	\$65.00	\$1,625.00	\$60.00	\$1,500.00
2)	LATERAL PIPE 10 TO 15 FEET DEEP						
(a)	4" PVC LATERAL PIPE	30	LF	\$70.00	\$2,100.00	\$55.00	\$1,650.00
(b)	6" PVC LATERAL PIPE	5	LF	\$80.00	\$400.00	\$80.00	\$400.00
C.	CLEANOUT INSTALLATION AT THE END OF NEW LATERAL PIPE INSTALLED AND PAID UNDER ITEM 3B WHERE REQUIRED BY THE ENGINEER, ANY DEPTH, VARIOUS PIPE DIAMETERS						
1)	CLEANOUT FOR 4" PVC LATERAL PIPE	50	EA	\$375.00	\$18,750.00	\$325.00	\$16,250.00
2)	CLEANOUT FOR 6" PVC LATERAL PIPE	1	EA	\$450.00	\$450.00	\$450.00	\$450.00
3)	CLEANOUT FOR 4" DUCTILE IRON LATERAL PIPE	1	EA	\$700.00	\$700.00	\$850.00	\$850.00
4)	CLEANOUT FOR 6" DUCTILE IRON LATERAL PIPE	1	EA	\$750.00	\$750.00	\$1,100.00	\$1,100.00
D.	STAND-ALONE CLEANOUT INSTALLATION, EITHER TO REPLACE AN EXISTING CLEANOUT OR TO INSTALL A CLEANOUT WHERE ONE DOES NOT CURRENTLY EXIST, CLEANOUT REPAIR/INSTALLATION NOT ASSOCIATED WITH A NEW LATERAL INSTALLATION, WHERE REQUIRED BY THE ENGINEER. ANY DEPTH. VARIOUS PIPE DIAMETERS						
1)	4" PVC CLEANOUT	25	EA	\$900.00	\$22,500.00	\$600.00	\$15,000.00
2)	6" PVC CLEANOUT	1	EA	\$950.00	\$950.00	\$800.00	\$800.00
3)	4" DUCTILE IRON CLEANOUT	1	EA	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
4)	4" DUCTILE IRON CLEANOUT	1	EA	\$1,150.00	\$1,150.00	\$1,700.00	\$1,700.00
E.	CONNECTION OF NEW LATERAL PIPE TO EXISTING MANHOLE, INCLUDING PERFORMING CORE DRILLING AND SEALING CONNECTION WITH NON-SHRINK GROUT AND AN EXTERNAL CONCRETE COLLAR PER DETAIL E, COST PER CONNECTION, ANY DEPTH, ANY LATERAL DIAMETER AND PIPE MATERIAL.	1	EA	\$1,250.00	\$1,250.00	\$2,000.00	\$2,000.00

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4	FOR INSTALLING NEW SEWERS TO REPLACE EXISTING SEWERS FROM MANHOLE TO MANHOLE, EITHER IN THE SAME TRENCH OR IN NEW LOCATIONS, VARIOUS DIAMETERS AS SPECIFIED BELOW, VARIOUS DEPTHS, BACKFILLING WITH EXCAVATED SOIL, ALL SPECIFIED BEDDING REQUIREMENTS, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED, COMPLETE IN PLACE.						
A.	NEW 8" PVC SEWER						
1)	0 TO 6 FEET DEEP	800	LF	\$68.00	\$54,400.00	\$85.00	\$68,000.00
2)	6.1 TO 8 FEET DEEP	1,000	LF	\$73.00	\$73,000.00	\$86.00	\$86,000.00
3)	8.1 TO 10 FEET DEEP	1,000	LF	\$78.00	\$78,000.00	\$90.00	\$90,000.00
4)	10.1 TO 12 FEET DEEP	800	LF	\$89.00	\$71,200.00	\$95.00	\$76,000.00
5)	12.1 TO 14 FEET DEEP	100	LF	\$100.00	\$10,000.00	\$105.00	\$10,500.00
6)	14.1 TO 16 FEET DEEP	100	LF	\$120.00	\$12,000.00	\$125.00	\$12,500.00
7)	16.1 TO 18 FEET DEEP	5	LF	\$160.00	\$800.00	\$175.00	\$875.00
8)	18.1 TO 20 FEET DEEP	5	LF	\$175.00	\$875.00	\$275.00	\$1,375.00
B.	NEW 10" PVC SEWER						
1)	0 TO 6 FEET DEEP	200	LF	\$73.00	\$14,600.00	\$88.00	\$17,600.00
2)	6.1 TO 8 FEET DEEP	200	LF	\$78.00	\$15,600.00	\$90.00	\$18,000.00
3)	8.1 TO 10 FEET DEEP	200	LF	\$83.00	\$16,600.00	\$95.00	\$19,000.00
4)	10.1 TO 12 FEET DEEP	100	LF	\$94.00	\$9,400.00	\$100.00	\$10,000.00
5)	12.1 TO 14 FEET DEEP	50	LF	\$105.00	\$5,250.00	\$110.00	\$5,500.00
6)	14.1 TO 16 FEET DEEP	25	LF	\$125.00	\$3,125.00	\$135.00	\$3,375.00
7)	16.1 TO 18 FEET DEEP	5	LF	\$165.00	\$825.00	\$185.00	\$925.00
8)	18.1 TO 20 FEET DEEP	5	LF	\$180.00	\$900.00	\$285.00	\$1,425.00
C.	NEW 12" PVC SEWER						
1)	0 TO 6 FEET DEEP	50	LF	\$78.00	\$3,900.00	\$94.00	\$4,700.00
2)	6.1 TO 8 FEET DEEP	100	LF	\$83.00	\$8,300.00	\$95.00	\$9,500.00
3)	8.1 TO 10 FEET DEEP	100	LF	\$88.00	\$8,800.00	\$100.00	\$10,000.00
4)	10.1 TO 12 FEET DEEP	50	LF	\$99.00	\$4,950.00	\$110.00	\$5,500.00
5)	12.1 TO 14 FEET DEEP	25	LF	\$110.00	\$2,750.00	\$120.00	\$3,000.00
6)	14.1 TO 16 FEET DEEP	25	LF	\$130.00	\$3,250.00	\$140.00	\$3,500.00
7)	16.1 TO 18 FEET DEEP	5	LF	\$170.00	\$850.00	\$190.00	\$950.00
8)	18.1 TO 20 FEET DEEP	5	LF	\$185.00	\$925.00	\$290.00	\$1,450.00
D.	NEW 15" PVC SEWER						
1)	0 TO 6 FEET DEEP	50	LF	\$83.00	\$4,150.00	\$100.00	\$5,000.00
2)	6.1 TO 8 FEET DEEP	100	LF	\$88.00	\$8,800.00	\$102.00	\$10,200.00
3)	8.1 TO 10 FEET DEEP	100	LF	\$93.00	\$9,300.00	\$105.00	\$10,500.00
4)	10.1 TO 12 FEET DEEP	50	LF	\$104.00	\$5,200.00	\$115.00	\$5,750.00
5)	12.1 TO 14 FEET DEEP	25	LF	\$115.00	\$2,875.00	\$130.00	\$3,250.00
6)	14.1 TO 16 FEET DEEP	25	LF	\$135.00	\$3,375.00	\$150.00	\$3,750.00
7)	16.1 TO 18 FEET DEEP	5	LF	\$175.00	\$875.00	\$200.00	\$1,000.00
8)	18.1 TO 20 FEET DEEP	5	LF	\$190.00	\$950.00	\$300.00	\$1,500.00
E.	THE ADD ON COST FOR SUBSTITUTING DUCTILE IRON PIPE (PRESSURE CLASS 350) FOR ANY PVC SEWER INCLUDED IN THE CONTRACT, AS SPECIFIED, COMPLETE IN PLACE						
1)	4" OR 6" SEWERS (SERVICE LATERALS)	100	LF	\$22.00	\$2,200.00	\$30.00	\$3,000.00
2)	8" SEWER	500	LF	\$20.00	\$10,000.00	\$25.00	\$12,500.00
3)	10" SEWER	50	LF	\$24.00	\$1,200.00	\$30.00	\$1,500.00
4)	12" SEWER	50	LF	\$29.00	\$1,450.00	\$30.00	\$1,500.00
5)	15"/16" SEWER	50	LF	\$50.00	\$2,500.00	\$50.00	\$2,500.00
F.	INSTALL TEE AND RECONNECT LATERAL TO TEE (UP TO 6 FEET OF LATERAL)(ANY DEPTH)						

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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
1)	8" PVC TEE	50	EA	\$530.00	\$26,500.00	\$350.00	\$17,500.00
2)	8" DIP TEE	10	EA	\$920.00	\$9,200.00	\$1,000.00	\$10,000.00
3)	10" PVC TEE	1	EA	\$675.00	\$675.00	\$500.00	\$500.00
4)	10" DIP TEE	1	EA	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00
5)	12" PVC TEE	1	EA	\$730.00	\$730.00	\$700.00	\$700.00
6)	12" DIP TEE	1	EA	\$1,120.00	\$1,120.00	\$1,300.00	\$1,300.00
7)	15" PVC TEE	1	EA	\$1,200.00	\$1,200.00	\$750.00	\$750.00
8)	16" DIP TEE	1	EA	\$1,500.00	\$1,500.00	\$1,800.00	\$1,800.00
5	FOR INSTALLING NEW PRECAST CONCRETE MANHOLES WITH A CONE SECTION TOP ON EXIST OR NEW SEWERS, VARIOUS DEPTHS AND SIZES OF SEWERS, COMPLETE RESTORATION, AS SPECIFIED, COMPLETE IN PLACE.						
A.	4 FOOT DIAMETER MANHOLE UP TO 6 FEET IN DEPTH IN UNPAVED AREAS						
1)	WITH 24" SOLID COVER	10	EA	\$3,600.00	\$36,000.00	5,500	\$55,000.00
2)	WITH 24" CAM-LOCK WATERTIGHT COVER	1	EA	\$3,800.00	\$3,800.00	\$6,000.00	\$6,000.00
3)	ADD ON COST IF MANHOLE IS IN PAVED AREA (ADD ON TO ITEMS 5(A)(1) AND 5(A)(2) ABOVE)	5	EA	\$1,100.00	\$5,500.00	\$2,500.00	\$12,500.00
4)	PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET (ADD ON TO ITEMS 5(A)(1) AND 5(A)(2) ABOVE)	10	VF	\$440.00	\$4,400.00	\$300.00	\$3,000.00
5)	ADD ON COST IF MANHOLE IS A FLAT-TOP (ADD ON TO ITEMS 5(A)(1) OR 5(A)(2) ABOVE)	1	EA	\$500.00	\$500.00	\$200.00	\$200.00
B.	5 FOOT DIAMETER MANHOLE UP TO 6 FEET IN DEPTH IN UNPAVED AREAS						
1)	24" SOLID COVER	1	EA	\$4,500.00	\$4,500.00	\$7,500.00	\$7,500.00
2)	24" CAM-LOCK WATERTIGHT COVER	1	EA	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00
3)	ADD ON COST IF MANHOLE IS IN PAVED AREA (ADD ON TO ITEMS 5(B)(1) AND 5(B)(2) ABOVE)	1	EA	\$1,400.00	\$1,400.00	\$3,000.00	\$3,000.00
4)	PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET (ADD ON TO ITEMS 5(B)(1) AND 5(B)(2) ABOVE)	5	VF	\$560.00	\$2,800.00	\$500.00	\$2,500.00
5)	ADD ON COST IF MANHOLE IS A FLAT-TOP (ADD ON TO ITEMS 5(B)(1) OR 5(B)(2) ABOVE)	1	EA	\$650.00	\$650.00	\$300.00	\$300.00
C.	COST FOR EACH CONNECTING SEWER INCLUDING 10 FEET OF DIP SEWER, ANY LOCATION, ANY DEPTH, ANY MANHOLE DIAMETER						
1)	4" or 6" SERVICE LATERALS	10	EA	\$700.00	\$7,000.00	\$1,600.00	\$16,000.00
2)	8" SEWER	10	EA	\$1,200.00	\$12,000.00	\$2,000.00	\$20,000.00
3)	10" SEWER	5	EA	\$1,400.00	\$7,000.00	\$2,500.00	\$12,500.00
4)	12" SEWER	5	EA	\$1,600.00	\$8,000.00	\$3,000.00	\$15,000.00
5)	15"/16" SEWER	1	EA	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00
6	FOR REMOVING EXISTING MANHOLE CHIMNEY OR CONE SECTIONS DOWN TO SOLID WALL MATERIAL AND INSTALLING NEW PRECAST CONCRETE MANHOLE RISER SECTIONS TO THE SPECIFIED ELEVATION, INSTALLING A FLAT-TOP SECTION OR A STANDARD CONE SECTION AS SPECIFIED, VARIOUS MANHOLE DIAMETERS AS LISTED BELOW, ANY LOCATION, ANY HEIGHT OF NEW MANHOLE RISER SECTIONS REQUIRED, BACKFILLING WITH EXCAVATED SOIL, REMOVAL AND DISPOSAL OF ALL EXISTING MATERIALS OFF-SITE, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED AND IN ACCORDANCE WITH DETAILS C AND D, COMPLETE IN PLACE.						
A.	EXISTING 4-FOOT-DIAMETER MANHOLES						
1)	REMOVE EXISTING MANHOLE CHIMNEY OR CONE SECTION AND INSTALL NEW 4-FOOT-DIAMETER RISER SECTIONS TO THE SPECIFIED OR REQUIRED ELEVATION, PAYMENT FOR EACH VERTICAL FOOT OF NEW PRECAST RISER INSTALLED	10	VF	\$475.00	\$4,750.00	\$300.00	\$3,000.00
2)	INSTALL FLAT-TOP WITH A 24" CAM-LOCK WATERTIGHT COVER	1	EA	\$1,500.00	\$1,500.00	\$2,600.00	\$2,600.00
3)	INSTALL 3-FOOT-LONG CONE SECTION WITH A 24" CAM-LOCK WATERTIGHT COVER	1	EA	\$2,200.00	\$2,200.00	\$3,000.00	\$3,000.00
B.	EXISTING 5-FOOT-DIAMETER MANHOLES						
1)	REMOVE EXISTING MANHOLE CHIMNEY OR CONE SECTION AND INSTALL NEW 5-FOOT-DIAMETER RISER SECTIONS TO THE SPECIFIED OR REQUIRED ELEVATION, PAYMENT FOR EACH VERTICAL FOOT OF NEW PRECAST RISER INSTALLED	5	VF	\$600.00	\$3,000.00	\$525.00	\$2,625.00

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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
2)	INSTALL FLAT-TOP WITH A 24" CAM-LOCK WATERTIGHT COVER	1	EA	\$2,000.00	\$2,000.00	\$3,100.00	\$3,100.00
3)	INSTALL FLAT-TOP WITH A 30" CAM-LOCK WATERTIGHT COVER	1	EA	\$2,500.00	\$2,500.00	\$3,200.00	\$3,200.00
4)	INSTALL 4-FOOT-LONG CONE SECTION WITH A 24" CAM-LOCK WATERTIGHT COVER	1	EA	\$2,750.00	\$2,750.00	\$3,800.00	\$3,800.00
C.	EXISTING 6-FOOT-DIAMETER MANHOLES						
1)	REMOVE EXISTING MANHOLE CHIMNEY OR CONE SECTION AND INSTALL NEW 6-FOOT-DIAMETER RISER SECTIONS TO THE SPECIFIED OR REQUIRED ELEVATION, PAYMENT FOR EACH VERTICAL FOOT OF NEW PRECAST RISER INSTALLED	5	VF	\$750.00	\$3,750.00	\$950.00	\$4,750.00
2)	INSTALL FLAT-TOP WITH A 24" CAM-LOCK WATERTIGHT COVER	1	EA	\$3,100.00	\$3,100.00	\$4,300.00	\$4,300.00
3)	INSTALL FLAT-TOP WITH A 30" CAM-LOCK WATERTIGHT COVER	1	EA	\$3,400.00	\$3,400.00	\$4,400.00	\$4,400.00
7	FOR INSTALLING NEW VENT PIPES AT MANHOLES, ANY LOCATION, ANY HEIGHT, AS SPECIFIED AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND DETAILS, COMPLETE IN PLACE. PAYMENT TO BE MADE BASED ON THE VERTICAL HEIGHT INSTALLED MEASURED FROM THE BOTTOM OF THE VENT PIPE TO THE VENT PIPE OPENING.						
A.	FOR INSTALLING NEW VENT PIPES IN NEW FLAT-TOP SECTIONS, ANY LOCATION, ANY HEIGHT, AS SPECIFIED AND IN ACCORDANCE WITH CHARLOTTE WATER STANDARD SPECIFICATIONS AND DETAILS.	10	VF	\$400.00	\$4,000.00	\$600.00	\$6,000.00
B.	FOR INSTALLING NEW VENT PIPES AT EXISTING MANHOLES, ANY LOCATION, ANY HEIGHT, AS SPECIFIED AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND DETAILS, COMPLETE IN PLACE.	10	VF	\$400.00	\$4,000.00	\$750.00	\$7,500.00
8	FOR INSTALLING CEMENTITIOUS MORTAR ON EXISTING MANHOLES, AS SPECIFIED, ANY LOCATION, COMPLETE IN PLACE.						
A.	FOR INSTALLING 1" THICK CEMENTITIOUS MORTAR ON EXISTING INTERNAL MANHOLE WALLS & BENCHES, AS SPECIFIED AND IN ACCORDANCE WITH DETAIL A, ANY LOCATION, COMPLETE IN PLACE.						
1)	IN EXISTING 4-FOOT-DIAMETER MANHOLES						
(a)	ANY SPECIFIED MATERIAL	500	VF	\$175.00	\$87,500.00	\$225.00	\$112,500.00
(b)	HYDROGEN-SULFIDE RESISTANT MATERIAL, AS SPECIFIED	50	VF	\$230.00	\$11,500.00	\$250.00	\$12,500.00
2)	IN EXISTING 5-FOOT-DIAMETER MANHOLES						
(a)	ANY SPECIFIED MATERIAL	100	VF	\$195.00	\$19,500.00	\$270.00	\$27,000.00
(b)	HYDROGEN-SULFIDE RESISTANT MATERIAL, AS SPECIFIED	10	VF	\$253.00	\$2,530.00	\$300.00	\$3,000.00
3)	IN EXISTING 6-FOOT-DIAMETER MANHOLES						
(a)	ANY SPECIFIED MATERIAL	5	VF	\$230.00	\$1,150.00	\$325.00	\$1,625.00
(b)	HYDROGEN-SULFIDE RESISTANT MATERIAL, AS SPECIFIED	5	VF	\$316.00	\$1,580.00	\$375.00	\$1,875.00
B.	FOR INSTALLING SPECIAL EXTERIOR CEMENTITIOUS MORTAR PRODUCT ON THE OUTSIDE OF EXPOSED MANHOLE WALLS, MINIMUM 1-INCH-THICK, AS SPECIFIED AND IN ACCORDANCE WITH DETAIL A, ANY LOCATION, COMPLETE IN PLACE.						
1)	EXISTING INTERNAL 4-FOOT-DIAMETER MANHOLES	10	VF	\$228.00	\$2,280.00	\$250.00	\$2,500.00
2)	EXISTING INTERNAL 5-FOOT-DIAMETER MANHOLES	10	VF	\$285.00	\$2,850.00	\$300.00	\$3,000.00
3)	EXISTING INTERNAL 6-FOOT-DIAMETER MANHOLES	10	VF	\$342.00	\$3,420.00	\$350.00	\$3,500.00
9	FOR INSTALLING AN EPOXY OR POLYURETHANE LINING PRODUCT ON EXISTING MANHOLE WALLS & BENCHES, AS SPECIFIED AND PER THE LIMITS SPECIFIED ON DETAIL A, ANY LOCATION, COMPLETE IN PLACE.						
A.	IN EXISTING 4-FOOT-DIAMETER MANHOLES	25	VF	\$342.00	\$8,550.00	\$375.00	\$9,375.00
B.	IN EXISTING 5-FOOT-DIAMETER MANHOLES	100	VF	\$410.00	\$41,000.00	\$425.00	\$42,500.00
C.	IN EXISTING 6-FOOT-DIAMETER MANHOLES	25	VF	\$563.00	\$14,075.00	\$575.00	\$14,375.00
10	FOR RESETTING EXISTING FRAMES AND COVERS AS SPECIFIED, INCLUDING COMPLETE RESTORATION OF PAVED OR UNPAVED AREAS AS SPECIFIED AND IN ACCORDANCE WITH DETAIL H, COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS	1	EA	\$900.00	\$900.00	\$1,550.00	\$1,550.00
B.	MANHOLES IN UNPAVED AREAS	5	EA	\$600.00	\$3,000.00	\$750.00	\$3,750.00

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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
11	FOR REPLACING EXISTING MANHOLE FRAMES AND COVERS WITH NEW CAM-LOCK WATERTIGHT FRAMES AND COVERS, AS SPECIFIED, INCLUDING COMPLETE RESTORATION OF PAVED OR UNPAVED AREAS AS SPECIFIED AND IN ACCORDANCE WITH DETAIL H, COMPLETE IN PLACE.						
A.	24-INCH-DIAMETER COVERS IN PAVED AREAS	1	EA	\$1,350.00	\$1,350.00	\$2,000.00	\$2,000.00
B.	24-INCH-DIAMETER COVERS IN UNPAVED AREAS	20	EA	\$900.00	\$18,000.00	\$1,150.00	\$23,000.00
C.	ADD-ON COST TO FURNISH AND INSTALL A 30-INCH-DIAMETER CAM-LOCK WATERTIGHT FRAME AND COVER (ADD ON TO ITEM 11(A) OR 11(B) ABOVE)	1	EA	\$500.00	\$500.00	\$225.00	\$225.00
12	FOR REPLACING EXISTING MANHOLE FRAMES AND COVERS WITH NEW 24-INCH-DIAMETER SOLID FRAMES AND COVERS (NO VENT HOLES OR PENETRATING PICK HOLES), AS SPECIFIED, INCLUDING COMPLETE RESTORATION OF PAVED OR UNPAVED AREAS AS SPECIFIED AND IN ACCORDANCE WITH DETAIL H, COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS	10	EA	\$1,250.00	\$12,500.00	\$1,500.00	\$15,000.00
B.	MANHOLES IN UNPAVED AREAS	25	EA	\$800.00	\$20,000.00	\$850.00	\$21,250.00
13	FOR RAISING EXISTING MANHOLE COVERS WITH BRICKS OR CONCRETE GRADE RINGS, HEIGHT OF ADJUSTMENT AS NOTED, AS SPECIFIED, INCLUDING COMPLETE RESTORATION OF PAVED OR UNPAVED AREAS AS SPECIFIED AND IN ACCORDANCE WITH DETAIL H, COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS						
1)	0 TO 1 VERTICAL FOOT	10	EA	\$950.00	\$9,500.00	\$1,500.00	\$15,000.00
2)	GREATER THAN 1 VERTICAL FOOT, PAYMENT FOR EACH FOOT OVER 1 VERTICAL FOOT, ADD TO ITEM 13(a)(1) ABOVE	5	VF	\$490.00	\$2,450.00	\$375.00	\$1,875.00
B.	MANHOLES IN UNPAVED AREAS						
1)	0 TO 1 VERTICAL FOOT	25	EA	\$650.00	\$16,250.00	\$875.00	\$21,875.00
2)	GREATER THAN 1 VERTICAL FOOT, PAYMENT FOR EACH FOOT OVER 1 VERTICAL FOOT, ADD TO ITEM 13(b)(1) ABOVE	25	VF	\$400.00	\$10,000.00	\$375.00	\$9,375.00
14	FOR REBUILDING EXISTING MANHOLE BENCHES AND INVERT CHANNELS, ANY CONFIGURATION, INCLUDING BYPASS PUMPING, AS SPECIFIED, COMPLETE IN PLACE.						
A.	IN EXIST 4-FOOT-DIAMETER MANHOLES	25	EA	\$500.00	\$12,500.00	\$950.00	\$23,750.00
B.	IN EXIST 5-FOOT-DIAMETER MANHOLES	1	EA	\$600.00	\$600.00	\$1,600.00	\$1,600.00
15	FOR PLUGGING EXISTING ABANDONED/INACTIVE SEWERS CONNECTING TO MANHOLES, PIPE DIAMETER AS NOTED, AS SPECIFIED, COMPLETE IN PLACE.						
A.	EXIST 4-INCH TO 8-INCH-DIAMETER SEWERS	5	EA	\$100.00	\$500.00	\$550.00	\$2,750.00
B.	EXIST 10-INCH TO 15-INCH-DIAMETER SEWERS	5	EA	\$175.00	\$875.00	\$700.00	\$3,500.00
16	FOR ABANDONING EXISTING MANHOLES IN PLACE BY REMOVING THE MANHOLE TO 3 FEET BELOW GRADE, PLUGGING CONNECTING PIPES WITH CONCRETE, AND FILLING MANHOLE WITH IMPORTED STONE, IMPORTING SOIL AS NECESSARY FOR FINAL RESTORATION, VARIOUS MANHOLE DIAMETERS, COMPLETE IN PLACE, INCLUDING COMPLETE RESTORATION.						
A.	EXIST 4-FOOT-DIAMETER MANHOLES						
1)	MANHOLES IN UNPAVED AREAS	5	EA	\$850.00	\$4,250.00	\$1,000.00	\$5,000.00
2)	MANHOLES IN PAVED AREAS	1	EA	\$1,500.00	\$1,500.00	\$2,600.00	\$2,600.00
B.	EXIST 5-FOOT-DIAMETER MANHOLES						
1)	MANHOLES IN UNPAVED AREAS	1	EA	\$1,000.00	\$1,000.00	\$1,400.00	\$1,400.00
2)	MANHOLES IN PAVED AREAS	1	EA	\$1,800.00	\$1,800.00	\$2,700.00	\$2,700.00
17	FOR INSTALLING NEW EXTERNAL DROP CONNECTIONS AT NEW OR EXISTING MANHOLES, DUCTILE IRON DROPS ONLY, VARIOUS DROP PIPE DIAMETERS AND LENGTHS, COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED, COMPLETE IN PLACE.						
A.	NEW 8-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 8-INCH SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	5	EA	\$3,000.00	\$15,000.00	\$4,000.00	\$20,000.00



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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM A1 ABOVE	10	VF	\$150.00	\$1,500.00	\$150.00	\$1,500.00
B.	NEW 10-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 10-INCH SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	1	EA	\$3,200.00	\$3,200.00	\$4,800.00	\$4,800.00
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM B1 ABOVE	5	VF	\$180.00	\$900.00	\$200.00	\$1,000.00
C.	NEW 12-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 12-INCH SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	1	EA	\$3,700.00	\$3,700.00	\$6,200.00	\$6,200.00
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM C1 ABOVE	5	VF	\$200.00	\$1,000.00	\$250.00	\$1,250.00
D.	NEW 15-INCH/16-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 15-INCH/16-INCH SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	1	EA	\$4,400.00	\$4,400.00	\$7,000.00	\$7,000.00
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM D1 ABOVE	5	VF	\$220.00	\$1,100.00	\$350.00	\$1,750.00
18	FOR REMOVING PROTRUDING SERVICE CONNECTIONS VIA AN INTERNAL ROBOTIC CUTTER PRIOR TO INSTALLING CURED-IN-PLACE PIPE LINING OR AS NECESSARY TO COMPLETE CCTV, ANY SERVICE LATERAL MATERIAL, ANY SIZE LATERAL, AS SPECIFIED, COMPLETE IN PLACE.	5	EA	\$460.00	\$2,300.00	\$550.00	\$2,750.00
19	FOR INSTALLING CURED-IN-PLACE PIPE LINING, AS SPECIFIED, ANY REQUIRED INSTALLED LINER THICKNESS, LOCATION AS LISTED, COMPLETE IN PLACE.						
A.	8" DIAMETER SEWER, ANY REQUIRED INSTALLED LINER THICKNESS, NON-EASEMENT AREA	15,000	LF	\$32.25	\$483,750.00	\$40.00	\$600,000.00
B.	10" DIAMETER SEWER, ANY REQUIRED INSTALLED LINER THICKNESS, NON-EASEMENT AREA	500	LF	\$40.50	\$20,250.00	\$50.00	\$25,000.00
C.	12" DIAMETER SEWER, ANY REQUIRED INSTALLED LINER THICKNESS, NON-EASEMENT AREA	500	LF	\$50.75	\$25,375.00	\$60.00	\$30,000.00
D.	15" DIAMETER SEWER, ANY REQUIRED INSTALLED LINER THICKNESS, NON-EASEMENT AREA	250	LF	\$76.50	\$19,125.00	\$90.00	\$22,500.00
E.	18" DIAMETER SEWER, ANY REQUIRED INSTALLED LINER THICKNESS, NON-EASEMENT AREA	250	LF	\$98.50	\$24,625.00	\$115.00	\$28,750.00
F.	ADD-ON PRICE FOR CIPP INSTALLATION IN EASEMENT AREAS, ANY DIAMETER CIPP	500	LF	\$11.00	\$5,500.00	\$20.00	\$10,000.00
20	FOR RECONNECTING EXISTING ACTIVE SERVICE LATERALS TO NEW CURED-IN-PLACE PIPE LINING VIA AN INTERNAL REMOTE CUTTER, AS SPECIFIED, COMPLETE IN PLACE.	200	EA	\$190.00	\$38,000.00	\$250.00	\$50,000.00
21	FOR REHABILITATING SERVICE LATERALS VIA CIPP LINING, INCLUDING CLEANING AND TELEVISIONING THE LATERALS PRIOR TO CIPP TO DETERMINE IF CIPP LINING IS FEASIBLE, AS SPECIFIED, ANY REQUIRED CLEANING, ANY LOCATION, ANY LENGTH OF LATERAL, COMPLETE IN PLACE. FOR VARIOUS PIPE DIAMETERS.						
A.	FOR CLEANING AND TELEVISIONING SERVICE LATERALS, ALL WORK PERFORMED FROM WITHIN THE MAIN SEWER USING LAUNCH DEVICES						
1)	4" DIAMETER LATERALS						
(a)	LATERAL UP TO 10 FEET LONG	5	EA	\$460.00	\$2,300.00	\$600.00	\$3,000.00
(b)	EACH FOOT OVER 10 FEET IN LENGTH	50	LF	\$5.80	\$290.00	\$15.00	\$750.00
2)	6" DIAMETER LATERALS						
(a)	LATERAL UP TO 10 FEET LONG	1	EA	\$460.00	\$460.00	\$700.00	\$700.00
(b)	EACH FOOT OVER 10 FEET IN LENGTH	10	LF	\$5.80	\$58.00	\$15.00	\$150.00
B.	FOR INSTALLING CIPP IN SERVICE LATERALS, LINER THICKNESS AS SPECIFIED AND AS RECOMMENDED BY THE MANUFACTURER, COMPLETE IN PLACE.						
1)	4" DIAMETER LATERALS						
(a)	LATERAL UP TO 10 FEET LONG	5	EA	\$4,000.00	\$20,000.00	\$5,500.00	\$27,500.00
(b)	EACH FOOT OVER 10 FEET IN LENGTH	50	LF	\$28.50	\$1,425.00	\$60.00	\$3,000.00
2)	6" DIAMETER LATERALS						
(a)	LATERAL UP TO 10 FEET LONG	1	EA	\$4,000.00	\$4,000.00	\$6,000.00	\$6,000.00
(b)	EACH FOOT OVER 10 FEET IN LENGTH	10	LF	\$28.50	\$285.00	\$75.00	\$750.00

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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
22	FOR PERFORMING PIPE-BURSTING OF EXISTING SEWERS WITH NEW HDPE SEWER, VARIOUS EXISTING PIPE MATERIALS, VARIOUS DEPTHS, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED, COMPLETE IN PLACE.						
A.	EXISTING 6" DIAMETER SEWER TO:						
1)	NEW 8" DIAMETER HDPE SEWER	100	LF	\$65.00	\$6,500.00	\$180.00	\$18,000.00
2)	NEW 10" DIAMETER HDPE SEWER	100	LF	\$75.00	\$7,500.00	\$190.00	\$19,000.00
B.	EXISTING 8" DIAMETER SEWER TO:						
1)	NEW 8" DIAMETER HDPE SEWER	50	LF	\$65.00	\$3,250.00	\$180.00	\$9,000.00
2)	NEW 10" DIAMETER HDPE SEWER	100	LF	\$75.00	\$7,500.00	\$190.00	\$19,000.00
3)	NEW 12" DIAMETER HDPE SEWER	50	LF	\$90.00	\$4,500.00	\$210.00	\$10,500.00
C.	EXISTING 10" DIAMETER SEWER TO:						
1)	NEW 10" DIAMETER HDPE SEWER	50	LF	\$75.00	\$3,750.00	\$190.00	\$9,500.00
2)	NEW 12" DIAMETER HDPE SEWER	100	LF	\$100.00	\$10,000.00	\$210.00	\$21,000.00
D.	EXISTING 12" DIAMETER SEWER TO:						
1)	NEW 12" DIAMETER HDPE SEWER	50	LF	\$100.00	\$5,000.00	\$210.00	\$10,500.00
2)	NEW 16" DIAMETER HDPE SEWER	100	LF	\$155.00	\$15,500.00	\$270.00	\$27,000.00
E.	LATERAL REPLACEMENT BY BURSTING WITH UP TO 25 FEET OF 4" OR 6" HDPE						
1)	WHILE INSTALLING A NEW DIP TEE OR SADDLE CONNECTION TO THE MAIN SEWER (ANY DEPTH, ANY LOCATION)	3	EA	\$1,800.00	\$5,400.00	\$5,500.00	\$16,500.00
2)	NOT IN CONJUNCTION WITH INSTALLING A NEW DIP TEE OR SADDLE CONNECTION TO THE MAIN SEWER (ANY DEPTH, ANY LOCATION)	1	EA	\$2,200.00	\$2,200.00	\$4,500.00	\$4,500.00
23	FOR INSTALLING INFLOW DISHES, ANY LOCATION, AS SPECIFIED, COMPLETE IN PLACE.	50	EA	\$80.00	\$4,000.00	\$200.00	\$10,000.00
24	FOR REPAIRING INDIVIDUAL AND PRE-CAST JOINT LEAKS, ANY LOCATION, COMPLETE IN PLACE.	25	EA	\$275.00	\$6,875.00	\$525.00	\$13,125.00
25	FOR INSTALLING AERIAL STEEL PIPE CROSSINGS, ANY LOCATION, VARIOUS PIPE DIAMETERS, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED AND IN ACCORDANCE WITH DETAIL M, COMPLETE IN PLACE.						
A.	8" DIAMETER SEWERS						
1)	0 TO 20 FEET LONG	1	EA	\$4,400.00	\$4,400.00	\$14,500.00	\$14,500.00
2)	GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM 25(A) ABOVE	10	LF	\$200.00	\$2,000.00	\$250.00	\$2,500.00
B.	10" DIAMETER SEWERS						
1)	0 TO 20 FEET LONG	1	EA	\$4,700.00	\$4,700.00	\$15,000.00	\$15,000.00
2)	GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM 25(B) ABOVE	10	LF	\$220.00	\$2,200.00	\$260.00	\$2,600.00
C.	12" DIAMETER SEWERS						
1)	0 TO 20 FEET LONG	1	EA	\$5,000.00	\$5,000.00	\$18,000.00	\$18,000.00
2)	GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM 25(C) ABOVE	10	LF	\$250.00	\$2,500.00	\$310.00	\$3,100.00
D.	15" DIAMETER SEWERS						
1)	0 TO 20 FEET LONG	1	EA	\$6,200.00	\$6,200.00	\$22,000.00	\$22,000.00
2)	GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM 25(D) ABOVE	10	LF	\$300.00	\$3,000.00	\$425.00	\$4,250.00
26	FOR INSTALLING REINFORCED CONCRETE PIERS, ANY LOCATION, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED, COMPLETE IN PLACE.						
A.	REINFORCED CONCRETE PIER						
1)	0 TO 6 VERTICAL FEET, COST PER PIER	1	EA	\$8,500.00	\$8,500.00	\$8,000.00	\$8,000.00

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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
2)	GREATER THAN 6 VERTICAL FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM 26(A)(1) ABOVE	5	VF	\$400.00	\$2,000.00	\$800.00	\$4,000.00
B.	REINFORCED CONCRETE ANCHOR PIER						
1)	0 TO 6 VERTICAL FEET, COST PER PIER	1	EA	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00
2)	GREATER THAN 6 VERTICAL FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM 26(B)(1) ABOVE	5	VF	\$300.00	\$1,500.00	\$800.00	\$4,000.00
27	FOR PERFORMING TRAFFIC CONTROL USING ARROW BOARDS, MESSAGE BOARDS, OR WATER FILLED BARRIERS; COST PER DAY PER ARROW BOARD, MESSAGE BOARD, OR WATER FILLED BARRIER; ALL OTHER TRAFFIC CONTROL TO BE CONSIDERED INCIDENTAL TO THE WORK WITH COSTS INCLUDED IN OTHER BID ITEMS						
A.	ARROW BOARD	10	EA	\$150.00	\$1,500.00	\$100.00	\$1,000.00
B.	MESSAGE BOARD	25	EA	\$350.00	\$8,750.00	\$100.00	\$2,500.00
C.	WATER FILLED BARRIER	250	EA	\$20.00	\$5,000.00	\$50.00	\$12,500.00
28	FOR PERFORMING BYPASS PUMPING USING 6-INCH PUMPS, ALL OTHER BYPASS PUMPING TO BE CONSIDERED INCIDENTAL TO THE WORK WITH COSTS INCLUDED IN OTHER BID ITEMS						
A.	COST PER DAY PER 6-INCH PUMP	25	EA	\$1,300.00	\$32,500.00	\$2,000.00	\$50,000.00
B.	COST PER FOOT OF HARD PIPING WITH ALL NECESSARY WATERTIGHT CONNECTIONS, ANY LOCATION						
1)	6" HARD PIPING	250	LF	\$35.00	\$8,750.00	\$15.00	\$3,750.00
2)	8" HARD PIPING	100	LF	\$50.00	\$5,000.00	\$20.00	\$2,000.00
29	FOR TREE REMOVAL AND CLEARING OF EASEMENTS FOR COMPLETION OF SERVICE LATERAL, POINT REPAIR, SEWER REPLACEMENT, OR OTHER NECESSARY WORK, AS APPROVED BY THE ENGINEER.						
A.	TREE REMOVAL (INDIVIDUAL TREES)						
1)	6" TO 18" DIAMETER TREE	10	EA	\$1,800.00	\$18,000.00	\$400.00	\$4,000.00
2)	OVER 18" DIAMETER TREE	3	EA	\$3,000.00	\$9,000.00	\$600.00	\$1,800.00
B.	EASEMENT CLEARING						
1)	MOBILIZATION TO SITE	5	EA	\$3,000.00	\$15,000.00	\$1,500.00	\$7,500.00
2)	EASEMENT CLEARING PER ACRE	1	ACRE	\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00
30	FOR REPLACING WATER SERVICES DAMAGED OR IMPACTED BY THE SEWER CONSTRUCTION INCLUDING INSTALLING NEW 3/4" COPPER PIPE, FITTINGS, YOKES, CORP STOPS, COUPLINGS, FULL CIRCLE REPAIR CLAMPS, CONNECTIONS TO THE EXISTING WATER SERVICE PIPE AT THE PROPERTY LINE, CONNECTION TO THE EXISTING WATER MAIN (MAINS UP TO 8" IN DIAMETER), AND ALL ELSE REQUIRED TO REPLACE THE WATER SERVICE IN ACCORDANCE WITH CHARLOTTE WATER'S STANDARDS						
A.	3/4" COPPER WATER PIPE, INCLUDING ALL FITTINGS, COUPLINGS, CORP STOPS, YOKES, ETC., AND CONNECTIONS TO EXISTING WATER PIPES						
1)	WATER SERVICE INSTALLED VIA EXCAVATION (RESTORATION PAID SEPARATELY)	1	EA	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
2)	WATER SERVICE INSTALLED USING A PIERCING TOOL TO CROSS UNDER ROADS WITHOUT EXCAVATION (RESTORATION PAID SEPARATELY)	1	EA	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00
B.	NEW CONCRETE WATER METER BOX WITH LID	1	EA	\$400.00	\$400.00	\$150.00	\$150.00
31	FOR THE USE OF TRAILER-MOUNTED, GENERATOR-DRIVEN LIGHT STANDS, COST PER DAY PER LIGHT STAND	5	EA	\$350.00	\$1,750.00	\$100.00	\$500.00
32	FOR THE REMOVAL OF ROCK VIA BLASTING PER CHARLOTTE WATER'S STANDARD SPECIFICATIONS AND ALL APPLICABLE PERMITS	50	CY	\$275.00	\$13,750.00	\$150.00	\$7,500.00
33	FOR PERFORMING MISCELLANEOUS RESTORATION WORK AS DEFINED BELOW, AS SPECIFIED, COMPLETE IN PLACE, EXCEPT RESTORATION OF GRASSED AREAS VIA SEEDING AND MULCHING WHICH IS CONSIDERED INCIDENTAL TO THE WORK WITH COSTS INCLUDED IN THE OTHER BID ITEMS AND EXCEPT FOR PAVEMENT RESTORATION WHERE SUCH RESTORATION IS SPECIFICALLY INCLUDED IN OTHER BID ITEMS						

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				Atlantic Coast Contractors		State Utility Contractors, Inc.	
A.	SAWCUT, REMOVE AND REPLACE ASPHALT PAVEMENT (ANY THICKNESS), ASPHALT AS SPECIFIED IN CHARLOTTE WATER'S STANDARD SPECIFICATIONS AND DETAILS	2,500	SY	\$78.00	\$195,000.00	\$120.00	\$300,000.00
B.	SAWCUT, REMOVE AND REPLACE CONCRETE WALKS AND DRIVES (CONCRETE AS SPECIFIED)						
1)	4-INCH FIBER REINFORCED CONCRETE	50	SY	\$90.00	\$4,500.00	\$80.00	\$4,000.00
2)	5-INCH FIBER REINFORCED CONCRETE	50	SY	\$95.00	\$4,750.00	\$90.00	\$4,500.00
3)	6-INCH FIBER REINFORCED CONCRETE	100	SY	\$150.00	\$15,000.00	\$100.00	\$10,000.00
C.	SAWCUT, REMOVE AND REPLACE CONCRETE CURBS AND GUTTERS, (FIBER REINFORCED CONCRETE), PER LINEAR FOOT OF REPLACEMENT	250	LF	\$57.00	\$14,250.00	\$60.00	\$15,000.00
D.	REMOVE UNSUITABLE EXCAVATED SOIL AND DISPOSE OF OFFSITE, AND BACKFILL WITH IMPORTED SELECT FILL, ADD TO VARIOUS BID ITEMS WHERE THIS IS REQUIRED AS APPROVED BY THE ENGINEER, COST PER CUBIC YARD OF COMPACTED SELECT FILL INSTALLED	50	CY	\$50.00	\$2,500.00	\$50.00	\$2,500.00
E.	REMOVE EXCAVATED SOIL AND DISPOSE OF OFFSITE, AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO VARIOUS BID ITEMS WHERE THIS REQUIREMENT APPLIES, COST PER CUBIC YARD OF ABC/PIT GRAVEL INSTALLED	3,000	CY	\$85.00	\$255,000.00	\$60.00	\$180,000.00
F.	REMOVE EXCAVATED SOIL AND DISPOSE OF OFFSITE, AND BACKFILL WITH FLOWABLE FILL UNDER PAVED ROADS, ADD TO VARIOUS BID ITEMS WHERE THIS REQUIREMENT APPLIES, COST PER CUBIC YARD OF FLOWABLE FILL INSTALLED	25	CY	\$150.00	\$3,750.00	\$175.00	\$4,375.00
G.	INSTALL SOD FOR GRASS RESTORATION, COST PER SQUARE YARD OF INSTALLED SOD	10	SY	\$25.00	\$250.00	\$20.00	\$200.00
H.	INSTALL STONE FOR RESTORING GRAVEL AREAS, COST PER CUBIC YARD OF PLACED STONE	25	CY	\$65.00	\$1,625.00	\$100.00	\$2,500.00
I.	INSTALL BIODEGRADABLE TURF REINFORCEMENT MATS (TRM) AND RIPARIAN SEED MIX FOR STABILIZING STREAM BANKS, IN ACCORDANCE WITH THE DETAIL K, COST PER SQUARE YARD OF BANK RESTORED	50	SY	\$58.00	\$2,900.00	\$25.00	\$1,250.00
J.	INSTALL RIP-RAP TO STABILIZE STREAM BANKS, COST PER SQUARE YARD OF RIP-RAP PLACED BASED ON THE SPECIFIED 2-FOOT-THICK RIP-RAP, FILTER FABRIC NOT REQUIRED.	1,000	SY	\$85.00	\$85,000.00	\$75.00	\$75,000.00
	SUBTOTAL (ITEMS 1-33)				\$3,278,258.00		\$4,068,650.00
34	FOR MOBILIZATION TO THE PROJECT SITE, AS SPECIFIED (2% OF SUB-TOTAL)				\$39,339.10		\$81,373.00
	SUB-SUBTOTAL (ITEMS 1-34)				\$3,317,597.10		\$4,150,023.00
35	CONTINGENCY ALLOWANCE (5% OF SUB-SUBTOTAL)				\$165,879.86		\$207,501.15
	TOTAL (ITEMS 1-35)				\$3,483,476.96		\$4,357,524.15