

FY 04 Manhole Rehabilitation and Point Repair				1		2	
				Atlantic Coast Contractors, Inc. Denver, NC		Heitkamp, Inc. Rocky Hill, CT	
	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
SECTION ONE - COMMON ITEMS							
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 8" DIAMETER SEWERS	20,000	LF	\$2.50	\$50,000.00	\$4.50	\$90,000.00
B.	EXISTING 10" DIAMETER SEWERS	10,000	LF	\$3.00	\$30,000.00	\$4.50	\$45,000.00
C.	EXISTING 12" DIAMETER SEWERS	5,000	LF	\$3.50	\$17,500.00	\$6.00	\$30,000.00
D.	EXISTING 15" DIAMETER SEWERS	2,000	LF	\$5.00	\$10,000.00	\$10.20	\$20,400.00
2	FOR PERFORMING POINT REPAIRS TO EXISTING GRAVITY SEWERS USING DUCTILE IRON PIPE ONLY, 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 ON SHEET 12 OF THE DRAWINGS. COMPLETE IN PLACE.						
A.	REPAIR TO EXIST 8" DIAMETER SEWERS						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 12 FEET LONG	15	EA	\$2,500.00	\$37,500.00	\$7,500.00	\$112,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	50	LF	\$100.00	\$5,000.00	\$60.00	\$3,000.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 1(a) AND 1(b) ABOVE	100	LF	\$50.00	\$5,000.00	\$55.00	\$5,500.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	10	EA	\$3,000.00	\$30,000.00	\$8,250.00	\$82,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	50	LF	\$120.00	\$6,000.00	\$70.00	\$3,500.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 2(a) AND 2(b) ABOVE	50	LF	\$75.00	\$3,750.00	\$70.00	\$3,500.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	5	EA	\$4,000.00	\$20,000.00	\$8,250.00	\$41,250.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	25	LF	\$150.00	\$3,750.00	\$150.00	\$3,750.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 3(a) AND 3(b) ABOVE	25	LF	\$100.00	\$2,500.00	\$200.00	\$5,000.00
4)	20.1 TO 25 FEET DEEP						

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(a)	0 TO 12 FEET LONG	2 EA	\$5,000.00	\$10,000.00	\$9,000.00	\$18,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	10 LF	\$200.00	\$2,000.00	\$150.00	\$1,500.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 4(a) AND 4(b) ABOVE	10 LF	\$150.00	\$1,500.00	\$200.00	\$2,000.00
B.	REPAIR TO EXIST 10" DIAMETER SEWERS					
1)	0 TO 10 FEET DEEP					
(a)	0 TO 12 FEET LONG	5 EA	\$2,600.00	\$13,000.00	\$4,500.00	\$22,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	25 LF	\$110.00	\$2,750.00	\$60.00	\$1,500.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 1(a) AND 1(b) ABOVE	25 LF	\$50.00	\$1,250.00	\$55.00	\$1,375.00
2)	10.1 TO 15 FEET DEEP					
(a)	0 TO 12 FEET LONG	5 EA	\$3,100.00	\$15,500.00	\$4,500.00	\$22,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	25 LF	\$130.00	\$3,250.00	\$70.00	\$1,750.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 2(a) AND 2(b) ABOVE	25 LF	\$75.00	\$1,875.00	\$70.00	\$1,750.00
3)	15.1 TO 20 FEET DEEP					
(a)	0 TO 12 FEET LONG	2 EA	\$4,500.00	\$9,000.00	\$8,250.00	\$16,500.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	10 LF	\$160.00	\$1,600.00	\$150.00	\$1,500.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 3(a) AND 3(b) ABOVE	10 LF	\$100.00	\$1,000.00	\$200.00	\$2,000.00
4)	20.1 TO 25 FEET DEEP					
(a)	0 TO 12 FEET LONG	2 EA	\$6,000.00	\$12,000.00	\$9,000.00	\$18,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	10 LF	\$200.00	\$2,000.00	\$150.00	\$1,500.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 4(a) AND 4(b) ABOVE	10 LF	\$125.00	\$1,250.00	\$200.00	\$2,000.00
C.	REPAIR TO EXIST 12" DIAMETER SEWERS					
1)	0 TO 10 FEET DEEP					
(a)	0 TO 12 FEET LONG	2 EA	\$3,000.00	\$6,000.00	\$8,250.00	\$16,500.00

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(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	10	LF	\$120.00	\$1,200.00	\$60.00	\$600.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 1(a) AND 1(b) ABOVE	10	LF	\$75.00	\$750.00	\$55.00	\$550.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	2	EA	\$3,500.00	\$7,000.00	\$9,000.00	\$18,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	10	LF	\$130.00	\$1,300.00	\$70.00	\$700.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 2(a) AND 2(b) ABOVE	10	LF	\$100.00	\$1,000.00	\$70.00	\$700.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	2	EA	\$5,000.00	\$10,000.00	\$9,000.00	\$18,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 3(a) ABOVE	10	LF	\$175.00	\$1,750.00	\$150.00	\$1,500.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 3(a) AND 3(b) ABOVE	10	LF	\$140.00	\$1,400.00	\$200.00	\$2,000.00
4)	20.1 TO 25 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$7,500.00	\$7,500.00	\$9,750.00	\$9,750.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 4(a) ABOVE	5	LF	\$200.00	\$1,000.00	\$150.00	\$750.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 4(a) AND 4(b) ABOVE	10	LF	\$150.00	\$1,500.00	\$200.00	\$2,000.00
D.	REPAIR TO EXIST 15" DIAMETER SEWERS						
1)	0 TO 10 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$4,000.00	\$4,000.00	\$8,250.00	\$8,250.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 1(a) ABOVE	5	LF	\$150.00	\$750.00	\$60.00	\$300.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 1(a) AND 1(b) ABOVE	10	LF	\$100.00	\$1,000.00	\$55.00	\$550.00
2)	10.1 TO 15 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$4,500.00	\$4,500.00	\$9,000.00	\$9,000.00
(b)	GREATER THAN 12 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 12 FEET, ADD TO ITEM 2(a) ABOVE	5	LF	\$175.00	\$875.00	\$70.00	\$350.00

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(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 2(a) AND 2(b) ABOVE	10	LF	\$100.00	\$1,000.00	\$70.00	\$700.00
3)	15.1 TO 20 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$6,000.00	\$6,000.00	\$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	\$200.00	\$1,000.00	\$150.00	\$750.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 3(a) AND 3(b) ABOVE	10	LF	\$125.00	\$1,250.00	\$200.00	\$2,000.00
4)	20.1 TO 25 FEET DEEP						
(a)	0 TO 12 FEET LONG	1	EA	\$8,000.00	\$8,000.00	\$9,750.00	\$9,750.00
(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	\$150.00	\$750.00
(c)	COST PER FOOT OF REPAIR TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 4(a) AND 4(b) ABOVE	10	LF	\$150.00	\$1,500.00	\$200.00	\$2,000.00
3	FOR REPLACING EXISTING SERVICE LATERAL CONNECTIONS AT MAIN SEWER AND INSTALLING NEW LATERAL PIPE TO PROPERTY LINE VIA EXCAVATION, TEE FITTING TO BE DUCTILE IRON PIPE ONLY, 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 DETAIL A ON SHEET 13 OF THE DRAWINGS, 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 DIP TEE 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	10	EA	\$2,000.00	\$20,000.00	\$6,810.00	\$68,100.00
(b)	DIP TEE CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	2	EA	\$2,500.00	\$5,000.00	\$7,010.00	\$14,020.00
(c)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 1(a) AND 1(b) ABOVE)	5	EA	\$100.00	\$500.00	\$100.00	\$500.00

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(d)	COST PER SERVICE CONNECTION TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 1(a) AND 1(b) ABOVE	10	EA	\$250.00	\$2,500.00	\$3,160.00	\$31,600.00
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	10	EA	\$2,500.00	\$25,000.00	\$7,060.00	\$70,600.00
(b)	DIP TEE CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	2	EA	\$3,000.00	\$6,000.00	\$7,160.00	\$14,320.00
(c)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 2(a) AND 2(b) ABOVE)	5	EA	\$250.00	\$1,250.00	\$100.00	\$500.00
(d)	COST PER SERVICE CONNECTION TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 2(a) AND 2(b) ABOVE	10	EA	\$400.00	\$4,000.00	\$3,360.00	\$33,600.00
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	1	EA	\$3,000.00	\$3,000.00	\$8,060.00	\$8,060.00
(b)	DIP TEE CONNECTION TO EXIST 10" TO 12" MAIN SEWER WITH 6 FEET OF NEW 4" OR 6" PVC LATERAL	1	EA	\$3,500.00	\$3,500.00	\$8,160.00	\$8,160.00
(c)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 3(a) AND 3(b) ABOVE)	1	EA	\$100.00	\$100.00	\$100.00	\$100.00
(d)	COST PER SERVICE CONNECTION TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 3(a) AND 3(b) ABOVE	1	EA	\$600.00	\$600.00	\$3,593.00	\$3,593.00
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	250	LF	\$25.00	\$6,250.00	\$46.00	\$11,500.00
(b)	6" PVC LATERAL PIPE	50	LF	\$30.00	\$1,500.00	\$48.00	\$2,400.00
(c)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 1(a) AND 1(b) ABOVE)	50	LF	\$5.00	\$250.00	\$10.00	\$500.00
(d)	COST PER FOOT OF NEW LATERAL PIPE TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 1(a) AND 1(b) ABOVE	150	LF	\$20.00	\$3,000.00	\$35.00	\$5,250.00
2)	LATERAL PIPE 10 TO 15 FEET DEEP						
(a)	4" PVC LATERAL PIPE	250	LF	\$40.00	\$10,000.00	\$69.00	\$17,250.00
(b)	6" PVC LATERAL PIPE	50	LF	\$45.00	\$2,250.00	\$71.00	\$3,550.00

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(c)	ADD-ON COST TO USE PRESSURE CLASS 350 DIP FOR THE LATERAL INSTEAD OF PVC (ADD ON TO ITEMS 2(a) AND 2(b) ABOVE)	50	LF	\$5.00	\$250.00	\$10.00	\$500.00
(d)	COST PER FOOT OF NEW LATERAL PIPE TO REMOVE EXCAVATED SOIL AND BACKFILL WITH IMPORTED ABC STONE OR PIT GRAVEL UNDER PAVED ROADS, ADD TO ITEMS 2(a) AND 2(b) ABOVE	150	LF	\$25.00	\$3,750.00	\$53.00	\$7,950.00
C.	CLEANOUT AT END OF NEW LATERAL PIPE PAID UNDER ITEM 3B WHERE REQUIRED BY THE ENGINEER, ANY DEPTH, VARIOUS PIPE DIAMETERS						
1)	CLEANOUT FOR 4" PVC LATERAL PIPE	10	EA	\$250.00	\$2,500.00	\$500.00	\$5,000.00
2)	CLEANOUT FOR 6" PVC LATERAL PIPE	1	EA	\$275.00	\$275.00	\$500.00	\$500.00
3)	CLEANOUT FOR 4" DUCTILE IRON LATERAL PIPE	10	EA	\$450.00	\$4,500.00	\$550.00	\$5,500.00
4)	CLEANOUT FOR 6" DUCTILE IRON LATERAL PIPE	1	EA	\$500.00	\$500.00	\$550.00	\$550.00
D.	CONNECTION OF NEW LATERAL PIPE TO EXISTING OR NEW MANHOLE, INCLUDING PERFORMING CORE DRILLING AND SEALING CONNECTION WITH NON-SHRINK GROUT AND AN EXTERNAL CONCRETE COLLAR, COST PER CONNECTION, ANY DEPTH, ANY LATERAL DIAMETER AND PIPE MATERIAL.	10	EA	\$1,200.00	\$12,000.00	\$2,500.00	\$25,000.00
4	FOR INSTALLING NEW SEWERS TO REPLACE EXISTING SEWERS FROM MANHOLE TO MANHOLE, EITHER IN THE SAME TRENCH OR IN NEW LOCATIONS, VARIOUS PIPE MATERIALS AND 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" DIP SEWER						
1)	0 TO 10 FEET DEEP	200	LF	\$100.00	\$20,000.00	\$58.00	\$11,600.00
2)	10.1 TO 15 FEET DEEP	200	LF	\$125.00	\$25,000.00	\$72.00	\$14,400.00
3)	15.1 TO 20 FEET DEEP	200	LF	\$150.00	\$30,000.00	\$136.00	\$27,200.00
B.	NEW 8" PVC SEWER						
1)	0 TO 10 FEET DEEP	200	LF	\$95.00	\$19,000.00	\$54.00	\$10,800.00
2)	10.1 TO 15 FEET DEEP	200	LF	\$120.00	\$24,000.00	\$72.00	\$14,400.00
C.	NEW 10" DIP SEWER						
1)	0 TO 10 FEET DEEP	200	LF	\$105.00	\$21,000.00	\$58.00	\$11,600.00
2)	10.1 TO 15 FEET DEEP	200	LF	\$130.00	\$26,000.00	\$72.00	\$14,400.00
3)	15.1 TO 20 FEET DEEP	200	LF	\$155.00	\$31,000.00	\$136.00	\$27,200.00
D.	NEW 10" PVC SEWER						
1)	0 TO 10 FEET DEEP	200	LF	\$100.00	\$20,000.00	\$54.00	\$10,800.00
2)	10.1 TO 15 FEET DEEP	200	LF	\$125.00	\$25,000.00	\$72.00	\$14,400.00
E.	NEW 12" DIP SEWER						
1)	0 TO 10 FEET DEEP	200	LF	\$120.00	\$24,000.00	\$72.00	\$14,400.00
2)	10.1 TO 15 FEET DEEP	200	LF	\$135.00	\$27,000.00	\$94.00	\$18,800.00

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3)	15.1 TO 20 FEET DEEP	200	LF	\$160.00	\$32,000.00	\$160.00	\$32,000.00
F.	NEW 12" PVC SEWER						
1)	0 TO 10 FEET DEEP	200	LF	\$115.00	\$23,000.00	\$68.00	\$13,600.00
2)	10.1 TO 15 FEET DEEP	200	LF	\$130.00	\$26,000.00	\$94.00	\$18,800.00
5	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 DETAIL C ON SHEET 12 OF THE DRAWINGS, 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	200	VF	\$300.00	\$60,000.00	\$220.00	\$44,000.00
2)	INSTALL FLAT-TOP WITH A 24" BOLT-DOWN WATERTIGHT COVER AND A STUB WITH A BLIND FLANGE FOR A VENT PIPE	30	EA	\$1,500.00	\$45,000.00	\$495.00	\$14,850.00
3)	INSTALL 3-FOOT-LONG CONE SECTION WITH 24" BOLT-DOWN WATERTIGHT COVER	10	EA	\$1,500.00	\$15,000.00	\$445.00	\$4,450.00
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	450	VF	\$400.00	\$180,000.00	\$275.00	\$123,750.00
2)	INSTALL FLAT-TOP WITH A 24" BOLT-DOWN WATERTIGHT COVER AND A STUB WITH A BLIND FLANGE FOR A VENT PIPE	20	EA	\$1,800.00	\$36,000.00	\$530.00	\$10,600.00
3)	INSTALL FLAT-TOP WITH A 30" BOLT-DOWN WATERTIGHT COVER AND A STUB WITH A BLIND FLANGE FOR A VENT PIPE	60	EA	\$2,000.00	\$120,000.00	\$605.00	\$36,300.00
4)	INSTALL 4-FOOT-LONG CONE SECTION WITH 24" BOLT-DOWN WATERTIGHT COVER	10	EA	\$2,000.00	\$20,000.00	\$730.00	\$7,300.00
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	250	VF	\$500.00	\$125,000.00	\$485.00	\$121,250.00
2)	INSTALL FLAT-TOP WITH A 24" BOLT-DOWN WATERTIGHT COVER AND A STUB WITH A BLIND FLANGE FOR A VENT PIPE	10	EA	\$2,000.00	\$20,000.00	\$1,020.00	\$10,200.00
3)	INSTALL FLAT-TOP WITH A 30" BOLT-DOWN WATERTIGHT COVER AND A STUB WITH A BLIND FLANGE FOR A VENT PIPE	35	EA	\$2,200.00	\$77,000.00	\$1,100.00	\$38,500.00

FY 04 Manhole Rehabilitation and Point Repair			1		2		
			Atlantic Coast Contractors, Inc. Denver, NC		Heitkamp, Inc. Rocky Hill, CT		
	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
6	FOR INSTALLING NEW VENT PIPES AT MANHOLES INCLUDING FLANGE CONNECTION TO THE VENT PIPE STUB PROVIDED IN NEW FLAT-TOP SECTIONS, ANY LOCATION, ANY HEIGHT, AS SPECIFIED AND IN ACCORDANCE WITH DETAIL C ON SHEET 12 OF THE DRAWINGS, COMPLETE IN PLACE. PAYMENT TO BE MADE BASED ON THE VERTICAL HEIGHT INSTALLED MEASURED FROM THE FLANGE CONNECTION TO THE VENT PIPE OPENING.	400	VF	\$50.00	\$20,000.00	\$75.00	\$30,000.00
7	FOR INSTALLING 1" THICK CEMENTITIOUS MORTAR ON EXISTING MANHOLE WALLS & BENCHES, AS SPECIFIED AND IN ACCORDANCE WITH DETAIL A ON SHEET 12 OF THE DRAWINGS, ANY LOCATION, COMPLETE IN PLACE.						
A.	IN EXISTING 4-FOOT-DIAMETER MANHOLES						
1)	ANY SPECIFIED MATERIAL	400	VF	\$185.00	\$74,000.00	\$155.00	\$62,000.00
2)	HYDROGEN-SULFIDE RESISTANT MATERIAL (CEMENTITIOUS MORTAR OR EPOXY AS SPECIFIED)	400	VF	\$200.00	\$80,000.00	\$194.00	\$77,600.00
B.	IN EXISTING 5-FOOT-DIAMETER MANHOLES						
1)	ANY SPECIFIED MATERIAL	400	VF	\$200.00	\$80,000.00	\$170.00	\$68,000.00
2)	HYDROGEN-SULFIDE RESISTANT MATERIAL (CEMENTITIOUS MORTAR OR EPOXY AS SPECIFIED)	400	VF	\$225.00	\$90,000.00	\$198.00	\$79,200.00
8	FOR RESETTING EXISTING FRAMES AND COVERS AS SPECIFIED, INCLUDING COMPLETE RESTORATION OF PAVED OR UNPAVED AREAS AS SPECIFIED AND IN ACCORDANCE WITH DETAIL C ON SHEET 13 OF THE DRAWINGS, COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS	20	EA	\$750.00	\$15,000.00	\$627.00	\$12,540.00
B.	MANHOLES IN UNPAVED AREAS	20	EA	\$500.00	\$10,000.00	\$220.00	\$4,400.00
9	FOR REPLACING EXISTING MANHOLE FRAMES AND COVERS WITH NEW 24-INCH-DIAMETER BOLT-DOWN WATERTIGHT FRAMES AND COVERS, AS SPECIFIED, INCLUDING COMPLETE RESTORATION OF PAVED OR UNPAVED AREAS AS SPECIFIED AND IN ACCORDANCE WITH DETAIL C ON SHEET 13 OF THE DRAWINGS, COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS	10	EA	\$1,000.00	\$10,000.00	\$762.00	\$7,620.00
B.	MANHOLES IN UNPAVED AREAS	150	EA	\$750.00	\$112,500.00	\$354.00	\$53,100.00
10	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 C ON SHEET 13 OF THE DRAWINGS, COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS	50	EA	\$900.00	\$45,000.00	\$762.00	\$38,100.00
B.	MANHOLES IN UNPAVED AREAS	20	EA	\$700.00	\$14,000.00	\$354.00	\$7,080.00

FY 04 Manhole Rehabilitation and Point Repair				1		2	
				Atlantic Coast Contractors, Inc. Denver, NC		Heitkamp, Inc. Rocky Hill, CT	
	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
11	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 C ON SHEET 13 OF THE DRAWINGS. COMPLETE IN PLACE.						
A.	MANHOLES IN PAVED AREAS						
1)	ADJUSTMENT OF 1 INCH TO 6 INCHES WITH BRICKS OR GRADE RINGS	20	EA	\$750.00	\$15,000.00	\$600.00	\$12,000.00
2)	ADJUSTMENT OF 6.1 INCHES TO 12 INCHES WITH BRICKS OR CONCRETE GRADE RINGS	20	EA	\$850.00	\$17,000.00	\$763.00	\$15,260.00
B.	MANHOLES IN UNPAVED AREAS						
1)	ADJUSTMENT OF 1 INCH TO 6 INCHES WITH BRICKS OR GRADE RINGS	20	EA	\$400.00	\$8,000.00	\$110.00	\$2,200.00
2)	ADJUSTMENT OF 6.1 INCHES TO 12 INCHES WITH BRICKS OR CONCRETE GRADE RINGS	20	EA	\$450.00	\$9,000.00	\$136.00	\$2,720.00
12	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	50	EA	\$400.00	\$20,000.00	\$273.00	\$13,650.00
B.	IN EXIST 5-FOOT-DIAMETER MANHOLES	50	EA	\$450.00	\$22,500.00	\$278.00	\$13,900.00
13	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	10	EA	\$50.00	\$500.00	\$164.00	\$1,640.00
B.	EXIST 10-INCH TO 15-INCH-DIAMETER SEWERS	10	EA	\$75.00	\$750.00	\$273.00	\$2,730.00
14	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	2	EA	\$750.00	\$1,500.00	\$654.00	\$1,308.00
2)	MANHOLES IN PAVED AREAS	2	EA	\$500.00	\$1,000.00	\$981.00	\$1,962.00
B.	EXIST 5-FOOT-DIAMETER MANHOLES						
1)	MANHOLES IN UNPAVED AREAS	2	EA	\$850.00	\$1,700.00	\$872.00	\$1,744.00
2)	MANHOLES IN PAVED AREAS	2	EA	\$550.00	\$1,100.00	\$1,199.00	\$2,398.00
15	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 ON SHEET 12 OF THE DRAWINGS, ANY LOCATION, COMPLETE IN PLACE.	200	VF	\$250.00	\$50,000.00	\$205.00	\$41,000.00
16	FOR INSTALLING NEW EXTERNAL DROP CONNECTIONS AT NEW OR EXISTING MANHOLES, 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.						

FY 04 Manhole Rehabilitation and Point Repair			1		2		
			Atlantic Coast Contractors, Inc. Denver, NC		Heitkamp, Inc. Rocky Hill, CT		
	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
A.	NEW 8-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 8" SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	2	EA	\$2,000.00	\$4,000.00	\$3,520.00	\$7,040.00
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM A1 ABOVE	10	VF	\$100.00	\$1,000.00	\$180.00	\$1,800.00
B.	NEW 10-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 10" SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	2	EA	\$2,500.00	\$5,000.00	\$3,675.00	\$7,350.00
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM B1 ABOVE	10	VF	\$110.00	\$1,100.00	\$190.00	\$1,900.00
C.	NEW 12-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 12" SEWER TO CONNECT TO EXIST SEWER						
1)	DROP UP TO 6 FEET IN VERTICAL LENGTH, COST PER DROP CONNECTION	2	EA	\$3,000.00	\$6,000.00	\$4,090.00	\$8,180.00
2)	DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM C1 ABOVE	10	VF	\$120.00	\$1,200.00	\$240.00	\$2,400.00
17	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						
A.	SAWCUT, REMOVE AND REPLACE ASPHALT PAVEMENT, ASPHALT AS SPECIFIED IN CMUD'S STANDARD SPECIFICATIONS AND DETAILS	1,000	SY	\$45.00	\$45,000.00	\$58.00	\$58,000.00
B.	SAWCUT, REMOVE AND REPLACE CONCRETE WALKS AND DRIVES (CONCRETE TO BE MIN 3500 PSI)						
1)	4-INCH CONCRETE WITH WELDED WIRE FABRIC REINFORCING	100	SY	\$50.00	\$5,000.00	\$75.00	\$7,500.00
2)	6-INCH CONCRETE WITH WELDED WIRE FABRIC REINFORCING	100	SY	\$60.00	\$6,000.00	\$85.00	\$8,500.00
C.	SAWCUT, REMOVE AND REPLACE CONCRETE CURBS AND GUTTERS, (CONCRETE TO BE MIN 3500 PSI), PER LINEAR FOOT OF REPLACEMENT	100	LF	\$35.00	\$3,500.00	\$30.00	\$3,000.00
D.	INSTALL SOD FOR GRASS RESTORATION, COST PER SQUARE YARD OF INSTALLED SOD	100	SY	\$5.00	\$500.00	\$10.00	\$1,000.00
E.	INSTALL STONE FOR RESTORING GRAVEL AREAS, COST PER CUBIC YARD OF PLACED STONE	50	CY	\$25.00	\$1,250.00	\$25.00	\$1,250.00
F.	INSTALL RIP-RAP WITH FILTER FABRIC TO STABILIZE STREAM BANKS, COST PER CUBIC YARD OF RIP-RAP PLACED	200	CY	\$50.00	\$10,000.00	\$50.00	\$10,000.00
18	FOR PERFORMING TRAFFIC CONTROL USING ARROWBOARDS, COST PER DAY PER ARROWBOARD, ALL OTHER TRAFFIC CONTROL TO BE CONSIDERED INCIDENTAL TO THE WORK WITH COSTS INCLUDED IN OTHER BID ITEMS	20	EA	\$100.00	\$2,000.00	\$500.00	\$10,000.00

FY 04 Manhole Rehabilitation and Point Repair				1		2	
				Atlantic Coast Contractors, Inc. Denver, NC		Heitkamp, Inc. Rocky Hill, CT	
	DESCRIPTION	QUANTITY		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
19	FOR PERFORMING BYPASS PUMPING USING 6-INCH PUMPS, COST PER DAY PER 6-INCH PUMP, WITH ALL NECESSARY PIPING, ALL OTHER BYPASS PUMPING TO BE CONSIDERED INCIDENTAL TO THE WORK WITH COSTS INCLUDED IN OTHER BID ITEMS	20	EA	\$1,500.00	\$30,000.00	\$500.00	\$10,000.00
20	FOR MOBILIZING TO PERFORM EMERGENCY WORK	10	EA	\$3,000.00	\$30,000.00	\$1,500.00	\$15,000.00
21	FOR MATERIAL/DENSITY TESTING, AS SPECIFIED, COMPLETE.						
A.	SOILS TECHNICIAN SERVICES (FIELD SERVICES)	200	HR	\$50.00	\$10,000.00	\$85.00	\$17,000.00
B.	STANDARD PROCTOR COMPACTION TEST (LABORATORY TESTING SERVICES)	20	EA	\$150.00	\$3,000.00	\$200.00	\$4,000.00
	SUBTOTAL (ITEMS 1-21)				\$2,423,075.00		\$2,405,000.00
22	FOR MOBILIZATION TO THE PROJECT SITE, AS SPECIFIED	1	LS	\$25,000.00	\$25,000.00	\$48,000.00	\$48,000.00
	SUB-SUBTOTAL (ITEMS 1-22)				\$2,448,075.00		\$2,453,000.00
23	CONTINGENCY ALLOWANCE (2% OF SUB-SUBTOTAL)				\$48,961.50		\$49,060.00
	TOTAL BID (ITEMS 1-23)				\$2,497,036.50		\$2,502,060.00