

Addendum No. 5

Date: *April 25, 2023*

Solicitation Number: *FY23-ITBCON-28*

Title: *On-Call Stream Restoration and Sanitary Sewer Repair*

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Bidders should acknowledge receipt of this addendum on the Bid Form. Failure to acknowledge receipt of this addendum may result in the bid not being considered.

All Bidders are responsible for monitoring CLTWater's Contracting Opportunities website (<https://www.charlottenc.gov/Growth-and-Development/Doing-Business>) for additional changes or clarifications.

MODIFICATIONS TO THE BID FORM

Delete ARTICLE 5 – BASIS OF BID "BID TABULATION" and replace with the attached Bid Tabulation.

The Addendum 2 Bid Tab (PDF) is hereby replaced with the attached Addendum 5 Bid Tab (PDF).

----- END OF ADDENDUM NO. 5 -----

The below listed attachments follow:

- Bid Tab (PDF)



BID TABULATION
ON-CALL STREAM RESTORATION AND SANITARY SEWER REPAIR
 MECKLENBURG COUNTY, NORTH CAROLINA

ITEM		DESCRIPTION	Quantity	UNIT	UNIT PRICE	EXTENDED TOTAL
SECTION ONE: COMMON ITEMS						
SITE PREPARATION						
2.01	A.	MOBILIZATION - START OF ORIGINAL CONTRACT (TOTAL AMOUNT ENTERED NOT TO EXCEED 1.5% OF ITEMS 2.02 THROUGH 8.13)	1	LS	\$	-
	B.	MOBILIZATION - WORK ORDER (TOTAL AMOUNT ENTERED NOT TO EXCEED 3% OF ITEMS 2.02 THROUGH 8.13)	1	LS	\$	-
2.02		PROJECT STAKEOUT	10	AC	\$	-
2.03		FOR CLEARING AND GRUBBING UNDERBRUSH, AS SPECIFIED				
	A.	CLEARING AND GRUBBING UNDERBRUSH OF ITEMS LESS THAN 6-INCHES IN DIAMETER	48,000	SY	\$	-
	B.	FOR CUTTING AND DISPOSING (OR STACKING) OF TREES, LARGER THAN 6-INCH DIAMETER, AS SPECIFIED			\$	-
	1)	SELECT TREE REMOVAL (6"-18"DIAMETER)	20	EA	\$	-
	2)	SELECT TREE REMOVAL (18"-30"DIAMETER)	10	EA	\$	-
	3)	SELECT TREE REMOVAL (>30"DIAMETER)	10	EA	\$	-
2.04		REMOVE/REPLACEMENT OF FENCE OR GATE				
	A.	REMOVE/REPLACEMENT OF FENCE				
		SPLIT RAIL	30	LF	\$	-
		CHAIN LINK	30	LF	\$	-
	B.	REMOVE/REPLACEMENT OF GATE	50	LF	\$	-
2.05		ROADSIDE STRUCTURES			\$	-
	A.	INSTALL REPLACEMENT CONCRETE SIDEWALK	50	SY	\$	-
	B.	INSTALL REPLACEMENT CONCRETE CURB	50	LF	\$	-
2.06		REMOVE/REPLACEMENT ASPHALT			\$	-
	A.	REMOVE/REPLACEMENT ASPHALT	50	TON	\$	-
	B.	SELECT BACKFILL	100	TON	\$	-
	B.	ABC STONE	100	TON	\$	-
EARTHWORK						
3.01		GRADING (CUT, PLACE, AND COMPACT) ON-SITE	4,000	CY	\$	-
3.02		BORROW EXCAVATION	400	CY	\$	-
3.04		ROCK REMOVAL (BY DRILLING, BLASTING, OR JACK HAMMERING)	400	CY	\$	-
STONE PLACEMENT						
4.01		RIP RAP				
	A.	NO. 5 WASHED STONE	10	TON	\$	-
	B.	#57 STONE	35	TON	\$	-
	C.	MISC RIPRAP (CLASS A, CLASS B, CLASS I, & CLASS II)				
	1)	CLASS A	25	TON	\$	-
	2)	CLASS B	50	TON	\$	-
	3)	CLASS I	50	TON	\$	-
	4)	CLASS II	25	TON	\$	-
CHANNEL BANK AND BED PROTECTION						
5.02		VARIABLE CONSTRUCTED RIFFLE				
	A.	CONSTRUCTED RIFFLE	850	SY	\$	-
	B.	ROCK AND ROLL RIFFLE	200	SY	\$	-
5.03		BOULDER J-HOOK VANE	200	LF	\$	-
5.04		LOG VANE OR LOG J-HOOK VANE				
	A.	LOG VANE	200	LF	\$	-
	B.	LOG J-HOOK VANE	200	LF	\$	-
5.05		STEP-POOL STRUCTURES	1200	SY	\$	-
5.06		ROCK CROSS VANE	200	LF	\$	-
5.07		LOG SILL	20	EA	\$	-
5.08		ROCK SILL	20	EA	\$	-
5.09		TOE PROTECTION				
	A.	TOE PROTECTION-BOULDER	20	SY	\$	-
	B.	TOE PROTECTION-RIP RAP	500	SY	\$	-
5.1		TOE WOOD	300	LF	\$	-
5.11		SOIL LIFTS	500	SY	\$	-
5.12		STEEL SHEET PILE BANK PROTECTION	2700	SF	\$	-
5.13		ARTICULATING CONCRETE BLOCKS	450	SF	\$	-
EROSION CONTROL						
6.01		TEMPORARY CONSTRUCTION ENTRANCE	20	EA	\$	-
6.02		TEMPORARY HAUL/ACCESS ROADS - GRAVEL	2000	LF	\$	-
6.03		TEMPORARY UTILITY MAT PROTECTION				
	A.	TEMPORARY STEEL MAT	100	SY	\$	-
	B.	TEMPORARY MUD MAT	400	SY	\$	-
6.05		TEMPORARY SILT FENCE	10000	LF	\$	-
6.06		TEMPORARY TREE PROTECTION/SAFETY FENCE	5000	LF	\$	-
6.07		TEMPORARY STREAM/DITCH CROSSING	20	EA	\$	-
6.08		COIR FIBER MATTING				
	A.	COIR FIBER MATTING-400G	3000	SY	\$	-
	B.	COIR FIBER MATTING-700G	4000	SY	\$	-
	C.	COIR FIBER MATTING-900G	500	SY	\$	-
6.09		TEMPORARY SEED AND MULCH	20	AC	\$	-
6.10		STREAM BYPASS PUMP				
	A.	STREAM BYPASS PUMP-AROUND OPERATION 2-INCH PUMP	120	DAY	\$	-
	B.	STREAM BYPASS PUMP-AROUND OPERATION 4-INCH PUMP	90	DAY	\$	-
	C.	STREAM BYPASS PUMP-AROUND OPERATION 6-INCH PUMP	90	DAY	\$	-
6.11		SPECIAL STILLING BASIN	40	EA	\$	-
6.13		TEMPORARY ROCK SILT CHECK	20	EA	\$	-
PLANTING						
7.03		PERMANENT SEEDING-RIPARIAN	26000	SY	\$	-
7.04		PERMANENT SEEDING-NON-RIPARIAN	26000	SY	\$	-
7.05		LIVE STAKES	3000	EA	\$	-
7.06		TUBELINGS	200	EA	\$	-
7.07		HERBACEOUS PLUGS	90	EA	\$	-

ITEM	DESCRIPTION	Quantity	UNIT	UNIT PRICE	EXTENDED TOTAL
7.08	TOP SOIL	600	CY		\$ -
7.09	SOD	10000	SY		\$ -
SECTION TWO: SEWER					
8.01	FOR INSTALLING NEW PVC SEWERS TO REPLACE EXISTING SEWERS FROM MANHOLE TO MANHOLE, EITHER IN THE SAME TRENCH OR IN NEW LOCATIONS, AS SPECIFIED BELOW, VARIOUS DEPTHS, BACKFILLING WITH EXCAVATED SOIL, ALL SPECIFIED BEDDING REQUIREMENTS, AS SPECIFIED, COMPLETE IN PLACE				
	A. 4" PVC SANITARY SEWER	100	LF		\$ -
	B. 4" PVC SANITARY SEWER LATERAL CONNECTION	10	EA		\$ -
	C. 4" PVC CLEAN OUT	10	EA		\$ -
8.02	FOR INSTALLING NEW DIP 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, CCTV OF NEW AND EXISTING SEWERS, ANTI-SEEP COLLARS, INCLUDING COMPLETE RESTORATION OF GRASSED AREAS (RESTORATION OF PAVED AREAS PAID UNDER SEPARATE BID ITEMS), AS SPECIFIED, COMPLETE IN PLACE				
	A. 8" DIP SEWER (CLASS 350)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	B. 10" DIP SEWER (CLASS 350)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	C. 12" DIP SEWER (CLASS 350)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	D. 16" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	E. 20" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	F. 24" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	G. 30" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	H. 36" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	I. 42" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	J. 48" DIP SEWER (CLASS 250)				
	1) 0 TO 6 FEET DEEP	100	LF		\$ -
	2) ADD ON COSTS FOR EACH VERTICAL FOOT FOR DEPTHS FROM 6.1 FEET DEEP TO 15 FEET DEEP	100	LF		\$ -
	K. THE ADD ON COST FOR SUBSTITUTING RESTRAINED JOINT DUCTILE IRON PIPE FOR ANY DUCTILE IRON PIPE INCLUDED IN THE CONTRACT, AS SPECIFIED, COMPLETE IN PLACE				
	1) 8" RJ DIP SEWER	40	LF		\$ -
	2) 10" RJ DIP SEWER	40	LF		\$ -
	3) 12" RJ DIP SEWER	40	LF		\$ -
	4) 16" RJ DIP SEWER	40	LF		\$ -
	5) 20" RJ DIP SEWER	40	LF		\$ -
	6) 24" RJ DIP SEWER	40	LF		\$ -
	7) 30" RJ DIP SEWER	40	LF		\$ -
	8) 36" RJ DIP SEWER	40	LF		\$ -
	9) 42" RJ DIP SEWER	40	LF		\$ -
	10) 48" RJ DIP SEWER	40	LF		\$ -
	L. FOR CLEANING AND TELEVISIONING NEW SEWER MAIN AND EXISTING SEWERS TO FURTHER EVALUATE THE SEWERS, AS SPECIFIED, ANY REQUIRED CLEANING, ANY LENGTH OF SEWER, COMPLETE IN PLACE FOR VARIOUS PIPE DIAMETERS IN ACCORDANCE TO NASSCO STANDARDS				
	1) EXISTING SEWER MAINS LESS THAN OR EQUAL TO 10" IN DIAMETER	2000	LF		\$ -
	2) EXISTING SEWER MAINS FROM 12" TO 21" IN DIAMETER	1000	LF		\$ -
	3) EXISTING SEWER MAINS FROM 24" TO 48" IN DIAMETER	500	LF		\$ -
8.03	FOR INSTALLING AERIAL STEEL PIPE CROSSINGS, ANY LOCATION, VARIOUS PIPE DIAMETERS, AS SPECIFIED, COMPLETE IN PLACE.				
	A. 8" DIAMETER (GRADE "B") STEEL SEWERS				
	1) 0 TO 20 FEET LONG	1	EA		\$ -
	2) GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM (A)(1) ABOVE	20	LF		\$ -
	B. 10" DIAMETER (GRADE "B") STEEL SEWERS				
	1) 0 TO 20 FEET LONG	1	EA		\$ -
	2) GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM (B)(1) ABOVE	20	LF		\$ -
	C. 12" DIAMETER (GRADE "B") STEEL SEWERS				
	1) 0 TO 20 FEET LONG	1	EA		\$ -
	2) GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM (C)(1) ABOVE	20	LF		\$ -
	D. 16" DIAMETER (GRADE "B") STEEL SEWERS				
	1) 0 TO 20 FEET LONG	1	EA		\$ -
	2) GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM (D)(1) ABOVE	20	LF		\$ -
	E. 24" DIAMETER (GRADE "B") STEEL SEWERS				
	1) 0 TO 20 FEET LONG	1	EA		\$ -
	2) GREATER THAN 20 FEET IN LENGTH, PAYMENT FOR EACH FOOT OVER 20 FEET, ADD TO ITEM (E)(1) ABOVE	20	LF		\$ -
8.04	FOR INSTALLING REINFORCED CONCRETE PIERS, ANY LOCATION, AS SPECIFIED IN ACCORDANCE TO CLTW DETAIL, COMPLETE IN PLACE.				
	A. REINFORCED CONCRETE PIER				
	1) 0 TO 6 VERTICAL FEET, COST PER PIER	1	EA		\$ -
	2) GREATER THAN 6 VERTICAL FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM (A)(1) ABOVE	20	VF		\$ -
	B. REINFORCED CONCRETE ANCHOR PIER				
	1) 0 TO 6 VERTICAL FEET, COST PER ANCHOR PIER	1	EA		\$ -
	2) GREATER THAN 6 VERTICAL FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM (B)(1) ABOVE	20	VF		\$ -
8.06	FOR REMOVAL OF EXISTING UTILITIES, ANY LOCATION, AS SPECIFIED, COMPLETE IN PLACE				

ITEM	DESCRIPTION	Quantity	UNIT	UNIT PRICE	EXTENDED TOTAL
	A. ABANDON SEWER PIPE IN PLACE	100	CY	\$	-
	B. REMOVAL OF SEWER PIPE	10	TON	\$	-
	C. REMOVAL OF SEWER MANHOLE	10	TON	\$	-
8.08	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	2	EA	\$	-
	2) WITH 24" CAM-LOCK WATERTIGHT COVER	2	EA	\$	-
	3) ADD ON COST IF MANHOLE IS IN PAVED AREA (ADD ON ITEMS (A)(1) AND (A)(2) ABOVE)	2	EA	\$	-
	4) PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET (ADD ON TO ITEMS (A)(1) AND (A)(2) ABOVE)	20	VF	\$	-
	5) ADD ON COST IF MANHOLE IS A FLAT-TOP (ADD ON ITEMS (A)(1) AND (A)(2) ABOVE)	8	EA	\$	-
	B. 5 FOOT DIAMETER MANHOLE UP TO 6 FEET IN DEPTH IN UNPAVED AREAS				
	1) WITH 30" SOLID COVER	2	EA	\$	-
	2) WITH 30" CAM-LOCK WATERTIGHT COVER	2	EA	\$	-
	3) ADD ON COST IF MANHOLE IS IN PAVED AREA (ADD ON ITEMS (B)(1) AND (B)(2) ABOVE)	2	EA	\$	-
	4) PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET (ADD ON TO ITEMS (B)(1) AND (B)(2) ABOVE)	20	VF	\$	-
	5) ADD ON COST IF MANHOLE IS A FLAT-TOP (ADD ON ITEMS (B)(1) AND (B)(2) ABOVE)	6	EA	\$	-
	C. 6 FOOT DIAMETER MANHOLE UP TO 6 FEET IN DEPTH IN UNPAVED AREAS				
	1) WITH 30" SOLID COVER	2	EA	\$	-
	2) WITH 30" CAM-LOCK WATERTIGHT COVER	2	EA	\$	-
	3) ADD ON COST IF MANHOLE IS IN PAVED AREA (ADD ON ITEMS (C)(1) AND (C)(2) ABOVE)	2	EA	\$	-
	4) PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET (ADD ON TO ITEMS (C)(1) AND (C)(2) ABOVE)	20	VF	\$	-
	5) ADD ON COST IF MANHOLE IS A FLAT-TOP (ADD ON ITEMS (C)(1) AND (C)(2) ABOVE)	3	EA	\$	-
	D. 8 FOOT DIAMETER MANHOLE UP TO 6 FEET IN DEPTH IN UNPAVED AREAS				
	1) WITH 30" SOLID COVER	2	EA	\$	-
	2) WITH 30" CAM-LOCK WATERTIGHT COVER	3	EA	\$	-
	3) ADD ON COST IF MANHOLE IS IN PAVED AREA (ADD ON ITEMS (C)(1) AND (C)(2) ABOVE)	2	EA	\$	-
	4) PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET (ADD ON TO ITEMS (C)(1) AND (C)(2) ABOVE)	20	VF	\$	-
	5) ADD ON COST IF MANHOLE IS A FLAT-TOP (ADD ON ITEMS (C)(1) AND (C)(2) ABOVE)	3	EA	\$	-
	E. COST FOR ADDITIONAL CONNECTING SEWER INCLUDING 10 FEET OF DIP SEWER, ANY LOCATION, ANY DEPTH, ANY MANHOLE DIAMETER				
	1) 4" or 6" SERVICE LATERALS	4	EA	\$	-
	2) 8" SEWER	4	EA	\$	-
	3) 10" SEWER	4	EA	\$	-
	4) 12" SEWER	4	EA	\$	-
	5) 16" SEWER	4	EA	\$	-
	6) 20" SEWER	2	EA	\$	-
8.09	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, AS SPECIFIED AND IN ACCORDANCE WITH CLTW DETAILS, 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	\$	-
	2) INSTALL FLAT-TOP WITH A 24" CAM-LOCK WATERTIGHT COVER	5	EA	\$	-
	3) INSTALL 3-FOOT-LONG CONE SECTION WITH A 24" CAM-LOCK WATERTIGHT COVER	5	EA	\$	-
	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	10	VF	\$	-
	2) INSTALL FLAT-TOP WITH A 30" CAM-LOCK WATERTIGHT COVER	5	EA	\$	-
	3) INSTALL 3-FOOT-LONG CONE SECTION WITH A 30" CAM-LOCK WATERTIGHT COVER	5	EA	\$	-
	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	10	VF	\$	-
	2) INSTALL FLAT-TOP WITH A 30" CAM-LOCK WATERTIGHT COVER	5	EA	\$	-
	3) INSTALL 3-FOOT-LONG CONE SECTION WITH A 30" CAM-LOCK WATERTIGHT COVER	5	EA	\$	-
8.10	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	\$	-
	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	\$	-
8.11	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. 8-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 8-INCH SEWER TO CONNECT TO EXIST OR NEW SEWER			\$	-
	1) DROP UP TO 6 FEET IN VERTICAL LENGTH AT A NEW/EXISTING MANHOLE, COST PER DROP CONNECTION	4	EA	\$	-
	2) DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM (A)(1) OR (B)(2) ABOVE	10	VF	\$	-
	B. 10-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 8-INCH SEWER TO CONNECT TO EXIST OR NEW SEWER			\$	-
	1) DROP UP TO 6 FEET IN VERTICAL LENGTH AT A NEW/EXISTING MANHOLE, COST PER DROP CONNECTION	4	EA	\$	-
	2) DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM (B)(1) OR (B)(2) ABOVE	10	VF	\$	-

ITEM	DESCRIPTION	Quantity	UNIT	UNIT PRICE	EXTENDED TOTAL
	C. 12-INCH EXTERNAL DROP CONNECTION AT NEW OR EXIST MANHOLES INCLUDING 10 FEET OF NEW 8-INCH SEWER TO CONNECT TO EXIST OR NEW SEWER				
	1) DROP UP TO 6 FEET IN VERTICAL LENGTH AT A NEW/EXISTING MANHOLE, COST PER DROP CONNECTION	4	EA	\$	-
	2) DROP GREATER THAN 6 FEET, PAYMENT FOR EACH VERTICAL FOOT OVER 6 FEET, ADD TO ITEM (C)(1) OR (C)(2) ABOVE	10	VF	\$	-
8.12	FOR PERFORMING BYPASS PUMPING BASED UP TO AND INCLUDE 2 MGD CAPACITY, ALL OTHER BYPASS PUMPING TO BE NEGOTIATED FOR A WORK CHANGE DIRECTIVE				
	A. COST PER DAY PER 0-1 MGD PUMP SYSTEM	5	DAY	\$	-
	B. COST PER DAY PER 1.01-2 MGD PUMP SYSTEM	5	DAY	\$	-
	C. COST PER PUMPWATCH (24/7)	5	DAY	\$	-
	D. COST PER FOOT OF HARD PIPING WITH ALL NECESSARY WATERTIGHT CONNECTIONS			\$	-
	1) 6" HARD PIPING (Beyond first 300LF)	200	LF	\$	-
	2) 8" HARD PIPING (Beyond first 300LF)	200	LF	\$	-
8.13	FOR INSTALLING CEMENTIOUS MORTAR ON EXISTING MANHOLES, AS SPECIFIED, ANY LOCATION, COMPLETE IN PLACE				
	A. FOR INSTALLING 1" THICK CEMENTIOUS MORTAR ON EXISTING INTERNAL MANHOLE WALLS & BENCHES, AS SPECIFIED AND IN ACCORDANCE WITH CHARLOTTE WATER STANDARDS, ANY LOCATION, COMPLETE IN PLACE				
	1) IN EXISTING 4 FOOT DIAMETER MANHOLES - ANY SPECIFIED MATERIAL	10	VF	\$	-
	2) IN EXISTING 4 FOOT DIAMETER MANHOLES - HYDROGEN SULFIDE RESISTANT MATERIAL AS SPECIFIED	10	VF	\$	-
	3) IN EXISTING 5 FOOT DIAMETER MANHOLES - ANY SPECIFIED MATERIAL	10	VF	\$	-
	4) IN EXISTING 5 FOOT DIAMETER MANHOLES - HYDROGEN SULFIDE RESISTANT MATERIAL AS SPECIFIED	10	VF	\$	-
	5) IN EXISTING 6 FOOT DIAMETER MANHOLES - ANY SPECIFIED MATERIAL	10	VF	\$	-
	6) IN EXISTING 6 FOOT DIAMETER MANHOLES - HYDROGEN SULFIDE RESISTANT MATERIAL AS SPECIFIED	10	VF	\$	-
	7) IN EXISTING 8 FOOT DIAMETER MANHOLES - ANY SPECIFIED MATERIAL	10	VF	\$	-
	8) IN EXISTING 8 FOOT DIAMETER MANHOLES - HYDROGEN SULFIDE RESISTANT MATERIAL AS SPECIFIED	10	VF	\$	-
	B. FOR INSTALLING SPECIAL EXTERIOR CEMENTIOUS MORTAR PRODUCT ON THE OUTSIDE OF EXPOSED MANHOLE WALLS, MINIMUM 1" THICK, AS SPECIFIED AND IN ACCORDANCE WITH CHARLOTTE WATER STANDARDS, ANY LOCATION, COMPLETE IN PLACE				
	1) EXISTING INTERNAL 4-FOOT DIAMETER MANHOLES	10	VF	\$	-
	2) EXISTING INTERNAL 5-FOOT DIAMETER MANHOLES	10	VF	\$	-
	3) EXISTING INTERNAL 6-FOOT DIAMETER MANHOLES	10	VF	\$	-
	4) EXISTING INTERNAL 8-FOOT DIAMETER MANHOLES	10	VF	\$	-
SECTION THREE: UNSPECIFIED TIME AND MATERIAL					
9.01	LABOR REGULAR TIME				
	A. CONTRACTOR PROJECT MANAGER	40	HR	\$	-
	B. SUPERINTENDENT w/CDL	40	HR	\$	-
	C. EQUIPMENT OPERATOR w/CDL	40	HR	\$	-
	D. PIPE LAYER w/CDL	40	HR	\$	-
	E. LABORER w/CDL	40	HR	\$	-
9.02	VEHICLES				
	A. UP TO CLASS 7 ENCLOSED CREW SUPPORT TRUCK, UNLIMITED MILEAGE	5	DAY	\$	-
	B. UP TO CLASS 7 DUMP TRUCK, UNLIMITED MILEAGE	5	DAY	\$	-
	C. UP TO CLASS 7 STAKE BODY FLAT BED, UNLIMITED MILEAGE	5	DAY	\$	-
	D. 12-TON CAPACITY TRAILER, UNLIMITED MILEAGE	5	DAY	\$	-
	E. CLASS 2 OR 3 TRUCK, CLASS 4 HITCH, UNLIMITED MILEAGE	5	DAY	\$	-
	F. SOLAR POWERED ARROW BOARD (QUIET)	5	DAY	\$	-
	G. ROAD TRACTOR AND TRAILER				
	1) 12-25 TON LOAD WEIGHT, UNIMITED MILEAGE	40	HR	\$	-
	2) 25.01 - 50 TON LOAD WEIGHT, UNLIMITED MILEAGE	40	HR	\$	-
	H. CLASS 8 DUMP TRUCK, UNLIMITED MILEAGE	40	HR	\$	-
9.03	MACHINERY/EXCAVATOR				
	A. MINI CLASS AND NARROW AND 1/4 - 1/3 CY BUCKETS	5	DAY	\$	-
	B. 1) SMALL CLASS AND 1/2 AND 3/4 CY BUCKETS	5	DAY	\$	-
	C. 2) MEDIUM CLASS AND 1 CY BUCKET	5	DAY	\$	-
	Sub-total	1	LS	--	\$
	CONTINGENCY (10% OF ITEMS 2.01 THROUGH 9.03)	1	LS	--	\$
				TOTAL	\$