TOWN OF BRASELTON, GEORGIA MULBERRY RIVER RESTORATION PROJECT **NOVEMBER 18, 2021**

				SHAMROCK ENVIRONMENTAL 6106 CORPORATE PARK DR BROWNS SUMMIT, NC 27214 336-375-1989		C.S.BRITTON, INC. 2692 US 27 NORTH CARROLLTON, GA 30117 770-809-9743	
ITEM NO.	DESCRIPTION	UNIT	Est. No. of Units	UNIT PRICE	TOTAL FOR ITEM	UNIT PRICE	TOTAL FOR ITEM
01025.01	PRE-CONSTRUCTION VIDEO AND PHOTOS OF CONSTRUCTION AREA	LS	1	\$747.00	\$747.00	\$5,200.00	\$5,200.00
01025.02	MOBILIZATION	LS	1	\$136,520.00	\$136,520.00	\$229,500.50	\$229,500.50
01025.03	BONDS AND INSURANCE	LS	1	\$27,030.00	\$27,030.00	\$114,900.00	\$114,900.00
01570.01	TRAFFIC CONTROL TO COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)	МО	9	\$1,598.00	\$14,382.00	\$9,500.00	\$85,500.00
02100.00	SITE PREPARATION						
02100.01	TREE PROTECTION FENCE (WOODEN POSTS)	LF	10250	\$2.10	\$21,525.00	\$1.80	\$18,450.00
02100.02	MASS CLEARING OF PROPOSED WORK AREA (STOCKPILE DEBRIS FOR TOE WOOD OR MULCH)	AC	19.5	\$10,619.00	\$207,070.50	\$16,825.00	\$328,087.50
02100.03	MASS CLEARING FOR REMOVAL OF INVASIVE SPECIES (INCLUDES HERBICIDE TREATMENT)	AC	2	\$10,331.00	\$20,662.00	\$13,700.00	\$27,400.00
02200.00	EARTHWORK MASS GRADING PRIORITY 2 (CUT)	CY	32800	\$25.02	\$820,656.00	\$50.50	\$1,656,400.00
02227.00	ROCK REMOVAL	Ci	32000	\$25.02	\$620,656.00]	\$50.50	\$1,656,400.00
02227.01	ROCK REMOVAL	CY	100	\$80.00	\$8,000.00	\$80.00	\$8,000.00
02270.00	EROSION CONTROL CONSTRUCTION EXIT - INCLUDES INSTALLATION, MAINTENANCE, AND						
02270.01	REMOVAL GRAVEL FOR PROJECT MAINTENANCE AND ACCESS ROAD - 12' WIDE	EA	2	\$4,058.00	\$8,116.00	\$1,945.00	\$3,890.00
02270.02	(ACCESS MUST BE MAINTAINED THROUGHOUT THE ENITRE PROJECT FOR ACCESS TO TOWN WELLS)	LF	4000	\$17.50	\$70,000.00	\$32.00	\$128,000.00
02270.03	SILT FENCE TYPE "S" (WOODEN POSTS OR STEEL POSTS) SD1-S	LF	3325	\$2.70	\$8,977.50	\$3.20	\$10,640.00
02270.04	MULCHING IN PLACE HAY BALES FOR EMERGENCY STABILIZATION	AC EA	19.5 100	\$493.00 \$7.00	\$9,613.50 \$700.00	\$6,740.00 \$12.00	\$131,430.00 \$1,200.00
02270.05	NPDES MONITORING PROGRAM	LS	100	\$4,140.00	\$4,140.00	\$12.00	\$1,200.00 \$2,875.00
02271.01	TURBIDITY MONITORING PER GA EPD REQUIREMENTS AND	МО	9	\$58.00	\$522.00	\$980.00	\$8,820.00
02720.00	SPECIFICATION SECTION 02271 STORM DRAINAGE	Lo		\$30.00	ψ322,00	\$300.00	90,020.00
02720.00	DROP INLET	EA	1	\$11,138.00	\$11,138.00	\$10,360.00	\$10,360.00
02720.02	JUNCTION BOX	EA	1	\$19,205.00	\$19,205.00	\$13,010.00	\$13,010.00
02720.03 02720.04	HEADWALL	EA	1	\$3,706.00	\$3,706.00	\$6,725.00	\$6,725.00
	24" HDPE PIPE (10-15 FEET DEEP) STREAM RESTORATION MEASURES	LF	104	\$230.00	\$23,920.00	\$225.00	\$23,400.00
	REACH: 0+00 TO 14+50 (1,450 L.F.) BANKFULL WIDTH =54' AREA = 204.4 S.F						
	LOG J HOOK - 45' ARM	EA	7	\$18,014.00	\$126,098.00	\$18,250.00	\$127,750.00
	MODIFIED ROCK J HOOK - 45' ARM ROCK J HOOK - 90'ARM	EA EA	1 2	\$30,301.00 \$42,599.00	\$30,301.00 \$85,198.00	\$47,900.00 \$65,950.00	\$47,900.00 \$131,900.00
	TOE WOOD - 19 QTY	LF	440	\$42,599.00	\$185,680.00	\$125.00	\$131,900.00
	SILL LOG - 5 QTY.	LF	432	\$75.00	\$32,400.00	\$40.00	\$17,280.00
	REACH: 14+50 TO 36+41 RIGHT BANK STABILIZATION (2,191 L.F.) LOG DEFLECTORS/DIGGER LOGS - 45' ARM	EA		65 254 00	649.450.00	642.000.00	6405 400 00
	TOE WOOD - 5 QTY	LF	9 720	\$5,351.00 \$422.00	\$48,159.00 \$303,840.00	\$13,900.00 \$125.00	\$125,100.00 \$90,000.00
	SOIL LIFT MIN. 18"	LF	425	\$23.00	\$9,775.00	\$145.00	\$61,625.00
	STEP SYSTEM ACROSS SANITARY SEWER EASEMENT	LF	35	\$76.00	\$2,660.00	\$800.00	\$28,000.00
	RELOCATION OF 5' WIDE WALKING TRAIL, WITH 4" BARK MULCH REACH: 45+83 TO 52+33 RIGHT BANK STABILIZATION (650 L.F.)	LF	1900	\$2.10	\$3,990.00	\$15.00	\$28,500.00
	SILL LOG - 2 QTY.	LF	307	\$89.00	\$27,323.00	\$40.00	\$12,280.00
	LOG DEFLECTORS/DIGGER LOGS - 45' ARM	EA	2	\$5,351.00	\$10,702.00	\$13,900.00	\$27,800.00
	TOE WOOD - 1 QTY. RELOCATION OF 5' WIDE WALKING TRAIL, WITH 4" BARK MULCH	LF LF	185 1000	\$402.00 \$2.10	\$74,370.00 \$2,100.00	\$125.00 \$15.00	\$23,125.00 \$15,000.00
	STREAMBANK AND RIPARIAN BUFFER REVEGETATIONREACH: 0+00 TO 14+	50 (1,450	0 L.F.)			\$10.00	\$10,000.00
	STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL)	SY	2706	\$5.90	\$15,965.40	\$6.90	\$18,671.40
	SOIL PLUGS AND TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL)	SY	2547	\$8.00	\$20,376.00	\$5.50	\$14,008.50
	LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST)	EA	1450	\$4.60	\$6,670.00	\$3.20	\$4,640.00
	BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS	EA	1450	\$6.40	\$9,280.00	\$3.30	\$4,785.00
	RIPARIAN BUFFER PLANTING (BARE ROOT) LIME AND FERTILIZER TO PREPARE PLANTING AREA	EA AC	1238 8.25	\$4.60 \$714.00	\$5,694.80 \$5,890.50	\$3.30 \$980.00	\$4,085.40 \$8,085.00
	HARVEST EXISTING SUITABLE SHRUBS AND GRASSES/SOD MAT (IF	LS	1	\$0.00	\$0.00	\$0.00	\$0.00
	AVAILABLE)						
	TEMPORARY SEEDING PERMANENT SEEDING	AC AC	8.25 8.25	\$74.00 \$6,498.00	\$610.50 \$53,608.50	\$1,785.00 \$2,475.00	\$14,726.25 \$20,418.75
	REACH 14+50 TO 36+41 (2,191 L.F.)						
	STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE	SY	3000	\$5.90	\$17,700.00	\$6.90	\$20,700.00
	ROLL)	SY	4050	\$1.70	\$6,885.00	\$5.50	\$22,275.00
	LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST)	EA	2191	\$4.60	\$10,078.60	\$3.20	\$7,011.20
	BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS RIPARIAN BUFFER PLANTING (BARE ROOT)	EA EA	2191 1026	\$6.40 \$4.60	\$14,022.40 \$4,719.60	\$3.30 \$3.30	\$7,230.30 \$3,385.80
	LIME AND FERTILIZER TO PREPARE PLANTING AREA	AC	6.84	\$714.00	\$4,883.76	\$980.00	\$6,703.20
	HARVEST EXISTING SUITABLE SHRUBS AND GRASSES/SOD MAT (IF	LS	1	\$0.00	\$0.00	\$0.00	\$0.00
	AVAILABLE)	AC	6.84	\$74.00	\$506.16	\$1,785.00	\$12,209.40
	TEMPORARY SEEDING	. 40		\$6,498.00	\$44,446.32	\$1,765.00	\$12,209.40
	TEMPORARY SEEDING PERMANENT SEEDING	AC	6.84	\$6,496.00		Ψ <u>L</u> , 47 0.00]	
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.)	AC					
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL)	AC SY	679	\$5.90	\$4,006.10	\$6.90	\$4,685.10
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL)	SY SY	679 1323	\$5.90 \$1.70	\$4,006.10 \$2,249.10	\$6.90 \$5.50	\$4,685.10 \$7,276.50
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL) LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST)	SY SY EA	679 1323 650	\$5.90 \$1.70 \$4.60	\$4,006.10 \$2,249.10 \$2,990.00	\$6.90 \$5.50 \$3.20	\$4,685.10 \$7,276.50 \$2,080.00
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL) LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST) BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS	SY SY EA EA	679 1323 650 650	\$5.90 \$1.70 \$4.60 \$6.40	\$4,006.10 \$2,249.10 \$2,990.00 \$4,160.00	\$6.90 \$5.50 \$3.20 \$3.30	\$4,685.10 \$7,276.50 \$2,080.00 \$2,145.00
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4" WIDE ROLL) LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST) BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS RIPARIAN BUFFER PLANTING (BARE ROOT) LIME AND FERTILIZER TO PREPARE PLANTING AREA	SY SY EA	679 1323 650	\$5.90 \$1.70 \$4.60	\$4,006.10 \$2,249.10 \$2,990.00	\$6.90 \$5.50 \$3.20	\$4,685.10 \$7,276.50 \$2,080.00
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL) LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST) BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS RIPARIAN BUFFER PLANTING (BARE ROOT) LIME AND FERTILIZER TO PREPARE PLANTING AREA HARVEST EXISTING SUITABLE SHRUBS AND GRASSES/SOD MAT (IF	SY SY EA EA EA	679 1323 650 650 680	\$5.90 \$1.70 \$4.60 \$6.40 \$4.60	\$4,006.10 \$2,249.10 \$2,990.00 \$4,160.00 \$3,128.00	\$6.90 \$5.50 \$3.20 \$3.30 \$3.30	\$4,685.10 \$7,276.50 \$2,080.00 \$2,145.00 \$2,244.00
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL) LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST) BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS RIPARIAN BUFFER PLANTING (BARE ROOT) LIME AND FERTILIZER TO PREPARE PLANTING AREA HARVEST EXISTING SUITABLE SHRUBS AND GRASSES/SOD MAT (IF AVAILABLE)	SY SY EA EA AC LS	679 1323 650 650 680 4.53	\$5.90 \$1.70 \$4.60 \$6.40 \$4.60 \$714.00	\$4,006.10 \$2,249.10 \$2,990.00 \$4,160.00 \$3,128.00 \$3,234.42 \$0.00	\$6.90 \$5.50 \$3.20 \$3.30 \$3.30 \$980.00 \$0.00	\$4,685.10 \$7,276.50 \$2,080.00 \$2,145.00 \$2,244.00 \$4,439.40 \$0.00
	PERMANENT SEEDING REACH 45+83 TO 52+33 (650 L.F.) STREAMBANK MATTING (BIO D-MAT 70) (6.5" WIDE ROLL) TERRACE SLOPE MATTING (JUTE EROSION CONTROL MATTING) (4' WIDE ROLL) LIVE STAKING (SEE SHEET SD-2 FOR PLANT LIST) BASE FLOW CHANNEL SOFT RUSH (JUNCUS) PLUGS RIPARIAN BUFFER PLANTING (BARE ROOT) LIME AND FERTILIZER TO PREPARE PLANTING AREA HARVEST EXISTING SUITABLE SHRUBS AND GRASSES/SOD MAT (IF	SY SY EA EA EA AC	679 1323 650 650 680 4.53	\$5.90 \$1.70 \$4.60 \$6.40 \$4.60 \$714.00	\$4,006.10 \$2,249.10 \$2,990.00 \$4,160.00 \$3,128.00 \$3,234.42	\$6.90 \$5.50 \$3.20 \$3.30 \$3.30 \$980.00	\$4,685.10 \$7,276.50 \$2,080.00 \$2,145.00 \$2,244.00 \$4,439.40

*INCORRECT TOTALS ARE IN BOLD AND ITALICS AND CORRECTED

I hereby certify this to be a true and accurate tabulation of bids received by the Town of Braselton on November 18, 2021

Ken Peters, PE Engineering Management, Inc.