

BID TABULATION FOR:

BID OPENING DATE:
BID OPENING LOCATION:
TABULATION BY:
TABULATION DATE:
LJA JOB NO.

CONSTRUCTION OF THE THE WATER DISTRIBUTION SYSTEM
SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
TO SERVE THE WOODLANDS HILLS SECTION 5
MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
CITY OF CONROE, MONTGOMERY COUNTY,
DECEMBER 13, 2018
LJA ENGINEERING, INC.
A.CAROTHERS
DECEMBER 13, 2018
0474-0205 (9.2)

BIDDER'S NAME	TOTAL BID AMOUNT	TOTAL AMOUNT BID WITH ALTERNATE
1) TEXASITE, LLC	\$1,105,225.00	\$1,179,825.00
2) C.E. BARKER, LTD	\$1,128,480.02	\$1,122,966.06
3) BAY UTILITIES, LLC	\$1,137,277.00	\$1,185,677.00
4) KENNETH LAMB CONSTRUCTION CO., LTD	\$1,152,151.00	\$1,197,311.00
5) BLAZEY CONSTRUCTION SERVICES, LLC	\$1,220,732.20	\$1,258,740.20

CALENDAR DAYS - 45



Micah Kreikemeier

I, Micah Kreikemeier, P.E., hereby certify these bid tabulations to be true and correct.

Micah Kreikemeier
12/17/18

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 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A.CAROTHERS
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 0474-0205 (9.2)

ITEM DESCRIPTION	UNIT	QTY	1) TEXASITE, LLC				2) C.E. BARKER, LTD			
			UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
<i>DIVISION I – WATER DISTRIBUTION SYSTEM</i>										
1. 12-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	805	\$34.00	\$17,800.00	\$9,570.00	\$27,370.00	\$32.34	\$18,223.59	\$7,810.11	\$26,033.70
2. 8-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	1,290	\$24.00	\$20,124.00	\$10,836.00	\$30,960.00	\$23.36	\$21,094.08	\$9,040.32	\$30,134.40
3. 4-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	350	\$20.00	\$4,550.00	\$2,450.00	\$7,000.00	\$21.43	\$5,250.35	\$2,250.15	\$7,500.50
4. Fire Hydrant Unit (includes appropriate tee, 6" Valve & Box, 6" Lead & Fire Hydrant and Trench Safety), complete in place	EA	6	\$5,000.00	\$19,500.00	\$10,500.00	\$30,000.00	\$5,238.62	\$22,002.20	\$9,429.52	\$31,431.72
5. 12-inch AWWA Gate Valve & Box, complete in place	EA	1	\$2,300.00	\$1,495.00	\$805.00	\$2,300.00	\$2,398.29	\$1,678.80	\$719.49	\$2,398.29
6. 8-inch AWWA Gate Valve & Box, complete in place	EA	7	\$1,200.00	\$5,460.00	\$2,940.00	\$8,400.00	\$1,264.66	\$6,196.83	\$2,655.79	\$8,852.62
7. Trench Safety System, (All Depths), complete in place	LF	2,495	\$1.00	\$1,620.00	\$875.00	\$2,495.00	\$0.12	\$209.58	\$89.82	\$299.40
8. Remove and dispose of Plug and Clamp, 2" Blow Off Valve and Connect Proposed 12" Water Line, complete in place	EA	1	\$500.00	\$325.00	\$175.00	\$500.00	\$928.34	\$649.84	\$278.50	\$928.34
9. Short Side Double or Single Water Service, Includes Trench Safety, Meter Box, Curb Stop and All Necessary Connectors and Taps, complete in place	EA	8	\$600.00	\$3,120.00	\$1,680.00	\$4,800.00	\$565.89	\$3,168.98	\$1,358.14	\$4,527.12
10. Long Side Double or Single Water Service, Includes Trench Safety, Meter Box, Curb Stop and All Necessary Connectors and Taps, complete in place	EA	8	\$1,000.00	\$5,200.00	\$2,800.00	\$8,000.00	\$1,211.78	\$6,785.97	\$2,908.27	\$9,694.24
11. 12-Inch Plug and Clamp, complete in place	EA	1	\$400.00	\$260.00	\$140.00	\$400.00	\$458.63	\$321.04	\$137.59	\$458.63
12. 8-Inch Plug and Clamp, complete in place	EA	2	\$300.00	\$390.00	\$210.00	\$600.00	\$339.39	\$475.15	\$203.63	\$678.78
13. 2-Inch Blow Off Valve, Unit and Box, complete in place	EA	3	\$600.00	\$1,170.00	\$630.00	\$1,800.00	\$322.82	\$677.92	\$290.54	\$968.46
14. 8 – inch P.V.C. Restrained Joint Water Pipe, C – 900, DR 14, Class 200, All Depths, Including Fittings, Bedding and Backfill, Complete in place	LF	50	\$28.00	\$910.00	\$490.00	\$1,400.00	\$35.30	\$1,235.50	\$529.50	\$1,765.00
TOTAL DIVISION I – WATER DISTRIBUTION SYSTEM						\$126,025.00				\$125,671.20
<i>DIVISION II – SANITARY SEWER COLLECTION SYSTEM</i>										
1. Standard 8-Foot Depth Sanitary Sewer Manholes, (Includes Precast Concrete Rings, Frame & Cover), complete in place	EA	7	\$3,200.00	\$14,560.00	\$7,840.00	\$22,400.00	\$3,357.65	\$16,452.49	\$7,051.07	\$23,503.55
2. 5-Foot Diameter, 10-Foot Depth Sanitary Sewer Manholes, (Includes Precast Concrete Rings, Frame and Cover), complete in place	EA	19	\$4,800.00	\$59,280.00	\$31,920.00	\$91,200.00	\$4,705.06	\$62,577.30	\$26,818.84	\$89,396.14
3. 5-Foot Diameter, 10-Foot Depth Sanitary Sewer Manholes, Sealed and Bolted, (Includes Precast Concrete Rings, Frame and Cover), complete in place	EA	2	\$8,000.00	\$10,400.00	\$5,600.00	\$16,000.00	\$5,308.72	\$7,432.21	\$3,185.23	\$10,617.44
4. Extra Depth for Standard Sanitary Sewer Manholes (8-Foot and over), complete in place	VF	8.7	\$300.00	\$1,697.00	\$913.00	\$2,610.00	\$294.20	\$1,791.68	\$767.86	\$2,559.54
5. Extra Depth for 5-Foot Diameter Sanitary Sewer Manholes (10-Foot and over), complete in place	VF	94.7	\$400.00	\$24,622.00	\$13,258.00	\$37,880.00	\$360.60	\$23,904.17	\$10,244.65	\$34,148.82
6. 8", 8' – 12' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-3034 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,355	\$30.00	\$26,422.00	\$14,228.00	\$40,650.00	\$18.60	\$17,642.10	\$7,560.90	\$25,203.00
7. 8", 12' – 16' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-3034 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	250	\$32.00	\$5,200.00	\$2,800.00	\$8,000.00	\$21.25	\$3,718.75	\$1,593.75	\$5,312.50

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 0474-0205 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	1) TEXASITE, LLC				2) C.E. BARKER, LTD			
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
8.	8" - 12' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	908	\$29.00	\$17,115.00	\$9,217.00	\$26,332.00	\$17.97	\$11,421.73	\$4,895.03	\$16,316.76
9.	12", 12' - 16' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,003	\$40.00	\$26,078.00	\$14,042.00	\$40,120.00	\$27.59	\$19,370.94	\$8,301.83	\$27,672.77
10.	12", 16' - 20' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1111	\$45.00	\$32,500.00	\$17,495.00	\$49,995.00	\$35.64	\$27,717.23	\$11,878.81	\$39,596.04
11.	18", 20'-24' Depth, SDR 26 P.V.C. Sewer Pipe Meeting ASTM Specifications F-679 Including Sanitary Sewer Bedding As Per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	308	\$90.00	\$18,018.00	\$9,702.00	\$27,720.00	\$62.20	\$13,410.32	\$5,747.28	\$19,157.60
12.	6" P.V.C. Sewer Pipe SDR-26 Long Side Service Leads, (All Depths) Meeting ASTM Specifications D-3034, Including All Necessary Fittings, and Cement Stabilized Sand Backfill, Risers, Stacks, Cleanouts, Trench Safety System, Including Sanitary Sewer Bedding as per C.O.C. Details, complete in place	LF	301	\$31.00	\$6,065.00	\$3,266.00	\$9,331.00	\$41.47	\$8,737.73	\$3,744.74	\$12,482.47
13.	6" P.V.C. Sewer Pipe SDR-26 Short Side Service Leads, (All Depths) Meeting ASTM Specifications D-3034, Including All Necessary Fittings, Risers, Stacks, Cleanouts, and Trench Safety System, complete in place	EA	12	\$500.00	\$3,900.00	\$2,100.00	\$6,000.00	\$706.59	\$5,935.36	\$2,543.72	\$8,479.08
14.	Trench Safety System (All Depths), complete in place	LF	4,952	\$1.00	\$3,218.00	\$1,734.00	\$4,952.00	\$0.12	\$415.97	\$178.27	\$594.24
15.	Remove and Dispose of Existing Plug and Connect Proposed Sanitary Sewer, All Sizes, complete in place	EA	1	\$400.00	\$260.00	\$140.00	\$400.00	\$1,215.96	\$851.17	\$364.79	\$1,215.96
16.	Standard Drop Structure, All Depths, complete in place	EA	3	\$450.00	\$875.00	\$475.00	\$1,350.00	\$1,078.18	\$2,264.18	\$970.36	\$3,234.54
17.	T.V. Inspection Sanitary Sewer, All Sizes per C.O.C. Requirements and Specifications, complete in place	LF	1000	\$0.05	\$33.00	\$17.00	\$50.00	\$1.82	\$1,274.00	\$546.00	\$1,820.00
18.	Sanitary Sewer Plug, All Sizes, complete in place	EA	1	\$130.00	\$85.00	\$45.00	\$130.00	\$174.32	\$122.02	\$52.30	\$174.32
TOTAL DIVISION II - SANITARY SEWER COLLECTION SYSTEM							\$385,120.00				\$321,484.77
DIVISION III - DRAINAGE FACILITIES											
1.	Standard Type "C" Manhole, complete in place	EA	19	\$2,800.00	\$34,580.00	\$18,620.00	\$53,200.00	\$3,189.43	\$42,419.42	\$18,179.75	\$60,599.17
2.	Oversized Manhole, complete in place	EA	2	\$4,700.00	\$6,110.00	\$3,290.00	\$9,400.00	\$4,396.78	\$6,155.49	\$2,638.07	\$8,793.56
3.	Standard Type "C" Manhole with Type "E" Inlet Top, complete in place	EA	3	\$3,200.00	\$6,240.00	\$3,360.00	\$9,600.00	\$4,094.94	\$8,599.37	\$3,685.45	\$12,284.82
4.	Junction Box, complete in place	EA	2	\$5,100.00	\$6,630.00	\$3,570.00	\$10,200.00	\$5,244.86	\$7,342.80	\$3,146.92	\$10,489.72
5.	24" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,050	\$53.00	\$36,172.00	\$19,478.00	\$55,650.00	\$60.86	\$44,732.10	\$19,170.90	\$63,903.00
6.	30" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	475	\$70.00	\$21,612.00	\$11,638.00	\$33,250.00	\$78.81	\$26,204.33	\$11,230.43	\$37,434.75
7.	36" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	490	\$93.00	\$29,620.00	\$15,950.00	\$45,570.00	\$109.22	\$37,462.46	\$16,055.34	\$53,517.80
8.	48" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	310	\$144.00	\$29,016.00	\$15,624.00	\$44,640.00	\$171.12	\$37,133.04	\$15,914.16	\$53,047.20

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ITEM	DESCRIPTION	UNIT	QTY	1) TEXASITE, LLC				2) C.E. BARKER, LTD			
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
9.	5' X 4' Precast Reinforced Concrete Box Culvert (ASTM C- 1433) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	327	\$262.00	\$55,688.00	\$29,986.00	\$85,674.00	\$332.01	\$75,997.09	\$32,570.18	\$108,567.27
10.	6' X 4' Precast Reinforced Concrete Box Culvert (ASTM C- 1433) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	175	\$318.00	\$36,172.00	\$19,478.00	\$55,650.00	\$406.78	\$49,830.55	\$21,355.95	\$71,186.50
11.	Stage I – Modified Type 'C' Reinforced Concrete Precast Inlet, All Depths, Includes Inlet Protection Barrier for Stage I Inlets, complete in place	EA	1	\$1,700.00	\$1,105.00	\$595.00	\$1,700.00	\$1,448.82	\$1,014.17	\$434.65	\$1,448.82
12.	Stage II – Modified Type 'C' Reinforced Concrete Precast or Cast-In-Place Reinforced Concrete Inlet, complete in place	EA	1	\$1,700.00	\$1,105.00	\$595.00	\$1,700.00	\$1,328.09	\$929.66	\$398.43	\$1,328.09
13.	Stage I – Modified Type 'C-1' Reinforced Concrete Precast Inlet, All Depths, Includes Inlet Protection Barrier for Stage I Inlets, complete in place	EA	9	\$1,700.00	\$9,945.00	\$5,355.00	\$15,300.00	\$1,448.82	\$9,127.57	\$3,911.81	\$13,039.38
14.	Stage II – Modified Type 'C-1' Reinforced Concrete Precast or Cast-In-Place Reinforced Concrete Inlet, complete in place	EA	9	\$3,000.00	\$17,550.00	\$9,450.00	\$27,000.00	\$1,569.56	\$9,888.23	\$4,237.81	\$14,126.04
15.	30" Outfall Slope Protection No. 2, Includes Rip-Rap and 4" Concrete Slope Paving, complete in place	EA	1	\$4,100.00	\$2,665.00	\$1,435.00	\$4,100.00	\$3,776.60	\$2,643.62	\$1,132.98	\$3,776.60
16.	6' X 4' Outfall Slope Protection No. 3, Includes Rip-Rap and 4" Concrete Slope Paving, complete in place	EA	1	\$7,500.00	\$4,875.00	\$2,695.00	\$7,500.00	\$7,208.29	\$5,045.48	\$2,162.49	\$7,208.29
17.	Excavation, Hauling, Grading and Hydromulch Seeding of Overflow Swale, complete in place	LF	815	\$7.00	\$3,708.00	\$1,997.00	\$5,705.00	\$5.98	\$3,411.59	\$1,462.11	\$4,873.70
18.	Excavation, Hauling, Grading and Hydromulch Seeding of Outfall Swale, complete in place	LF	125	\$7.00	\$670.00	\$205.00	\$875.00	\$5.98	\$523.25	\$224.25	\$747.50
19.	Trench Safety System (All Depth), complete in place	LF	2,827	\$1.00	\$1,837.00	\$990.00	\$2,827.00	\$0.12	\$237.47	\$101.77	\$339.24
20.	Storm Water Pollution Prevention Plan, Includes Installation and Removal of Filter Fabric Fencing, Inlet Protection and Construction Entrance, complete in place	LS	1	\$4,000.00	\$2,600.00	\$1,400.00	\$4,000.00	\$12,360.39	\$8,652.27	\$3,708.12	\$12,360.39
21.	Compacted Fill From Utility Spoils to be Placed on site (95% Standard Proctor Density with 8" Lifts), complete in place	CY	2,000	\$5.00	\$6,500.00	\$3,500.00	\$10,000.00	\$2.54	\$3,556.00	\$1,524.00	\$5,080.00
22.	Reinforced Concrete Collar, All Sizes, complete in place	EA	2	\$500.00	\$650.00	\$350.00	\$1,000.00	\$422.58	\$591.61	\$253.55	\$845.16
23.	Concrete Headwall For Four 5' X 4' Box Culverts, (As Per Sheet 30A of 30), complete in place	EA	2	\$30,000.00	\$39,000.00	\$21,000.00	\$60,000.00	\$36,210.31	\$50,694.43	\$21,726.19	\$72,420.82
24.	7" Concrete Seal Slab For Four 5' X 4' Box Culverts, (to be used only at the direction of the Engineer)complete in place	LF	82	\$1.00	\$53.00	\$29.00	\$82.00	\$0.01	\$0.57	\$0.25	\$0.82
25.	7" Concrete Seal Slab For 6' X 4' Box Culverts, (to be used only at the direction of the Engineer)complete in place	LF	175	\$1.00	\$114.00	\$61.00	\$175.00	\$0.01	\$1.23	\$0.53	\$1.75
26.	3:1 Sloped End Treatment for 24" RCP Storm (Includes 4" Sloped Paving, Horizontal Rebar Protection and Precast RCP End), complete in place	EA	2	\$1,500.00	\$1,950.00	\$1,050.00	\$3,000.00	\$1,829.55	\$2,561.37	\$1,097.73	\$3,659.10
27.	18" Thick Rip Rap, No Exposed Rebar, at Minimum 6" Thickness per Block, complete in place	SY	250	\$60.00	\$9,750.00	\$5,250.00	\$15,000.00	\$78.48	\$13,734.00	\$5,886.00	\$19,620.00
TOTAL DIVISION III – DRAINAGE FACILITIES				\$562,798.00				\$640,699.29			
DIVISION IV – MISCELLANEOUS ITEMS											
1.	Wet Sand Construction (as per detail), (to be used ONLY at the written direction of the Owner), complete in place	LF	500	\$5.00	\$1,625.00	\$875.00	\$2,500.00	\$5.00	\$1,750.00	\$750.00	\$2,500.00
2.	Dewatering (to be used only at the written direction of the Owner), complete in place	LF	500	\$20.00	\$6,500.00	\$3,500.00	\$10,000.00	\$20.00	\$7,000.00	\$3,000.00	\$10,000.00

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			UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
3. Extra Clearing and Grubbing, complete in place	AC	1	\$2,000.00	\$1,300.00	\$700.00	\$2,000.00	\$2,000.00	\$1,400.00	\$600.00	\$2,000.00
4. Block Sodding, per Section 12 Specification (To Be Used Only As Directed By the Owner), complete in place	SF	100	\$0.30	\$20.00	\$10.00	\$30.00	\$0.30	\$21.00	\$9.00	\$30.00
5. Broadcast Seeding of Reserves, complete in place	AC	1	\$1.00	\$0.65	\$0.35	\$1.00	\$1.00	\$0.70	\$0.30	\$1.00
6. Stripping minimum of 4-inches of Surface Material and Haul Outside this Development, complete in place	AC	1	\$1.00	\$0.65	\$0.35	\$1.00	\$1.00	\$0.70	\$0.30	\$1.00
7. Increase in Clearing and Grubbing Cost to Chip and Haul Outside this Development (At Written Direction by the Owner), complete in place	AC	1	\$2,000.00	\$1,300.00	\$700.00	\$2,000.00	\$2,000.00	\$1,400.00	\$600.00	\$2,000.00
8. Haul Utility Spoils to Disposal Site "A", (As Per Sheet 25 of 30), Compaction (95% Standard Proctor Density with 8-inch Lifts), and Grading of Excavated Dirt at Disposal Site "A", complete in place	LS	1	\$15,000.00	\$9,750.00	\$5,250.00	\$15,000.00	\$24,342.76	\$17,039.93	\$7,302.83	\$24,342.76
9. Cement Stabilized Sand (To Be Used Only As Directed By the Owner), complete in place	CY	10	\$25.00	\$162.00	\$88.00	\$250.00	\$25.00	\$175.00	\$75.00	\$250.00
10. DEDUCTION on Stage II Inlets (Type 'C' and 'C-1') Not Constructed for this Project, complete in place	EA	1	(\$500.00)	(\$325.00)	(\$175.00)	(\$500.00)	(\$500.00)	(\$350.00)	(\$150.00)	(\$500.00)
TOTAL DIVISION IV – MISCELLANEOUS ITEMS						\$31,282.00				\$40,624.76
<i>DIVISION V – ALTERNATE BID</i>										
1. Haul Utility Spoils (Both Suitable and Unsuitable Material), Outside this Development, To be used in Lieu of Miscellaneous Item No. 8, complete in place	LS	1	\$80,000.00	\$0.00	\$80,000.00	\$80,000.00	\$15,810.40	\$11,067.28	\$4,743.12	\$15,810.40
2. Re -Testing of 6" P.V.C. Sanitary Sewer Pipe Service Leads after Installation of Dry Utilities (To Be Used Only at the Written Direction by the Owner), complete in place	EA	16	\$600.00	\$6,240.00	\$3,360.00	\$9,600.00	\$188.65	\$2,112.88	\$905.52	\$3,018.40
TOTAL DIVISION V – ALTERNATE BID						\$89,600.00				\$18,828.80
BID SUMMARY										
TOTAL DIVISION I – WATER DISTRIBUTION SYSTEM						\$126,025.00				\$125,671.20
TOTAL DIVISION II – SANITARY SEWER COLLECTION SYSTEM						\$385,120.00				\$321,484.77
TOTAL DIVISION III – DRAINAGE FACILITIES						\$562,798.00				\$640,699.29
TOTAL DIVISION IV – MISCELLANEOUS ITEMS						\$31,282.00				\$40,624.76
GRAND TOTAL BASE BID						\$1,105,225.00				\$1,128,480.02
TOTAL DIVISION V – ALTERNATE BID						\$89,600.00				\$18,828.80
TOTAL AMOUNT WITH ALTERNATE BID						\$1,179,825.00				\$1,122,966.06

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CONSTRUCTION OF THE THE WATER DISTRIBUTION SYSTEM
 SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2018
 0474-0205 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	3) BAY UTILITIES, LLC				4) KENNETH LAMB CONSTRUCTION CO., LTD			
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
<i>DIVISION I – WATER DISTRIBUTION SYSTEM</i>											
1.	12-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	805	\$28.00	\$19,320.00	\$3,220.00	\$22,540.00	\$35.00	\$16,100.00	\$12,075.00	\$28,175.00
2.	8-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	1,290	\$17.00	\$16,770.00	\$5,160.00	\$21,930.00	\$29.00	\$23,220.00	\$14,190.00	\$37,410.00
3.	4-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	350	\$15.00	\$3,850.00	\$1,400.00	\$5,250.00	\$20.00	\$3,850.00	\$3,150.00	\$7,000.00
4.	Fire Hydrant Unit (Includes appropriate tee, 6" Valve & Box, 6" Lead & Fire Hydrant and Trench Safety), complete in place	EA	6	\$4,400.00	\$24,600.00	\$1,800.00	\$26,400.00	\$5,100.00	\$26,700.00	\$3,900.00	\$30,600.00
5.	12-inch AWWA Gate Valve & Box, complete in place	EA	1	\$2,200.00	\$2,200.00	\$0.00	\$2,200.00	\$2,300.00	\$2,100.00	\$200.00	\$2,300.00
6.	8-inch AWWA Gate Valve & Box, complete in place	EA	7	\$1,200.00	\$8,400.00	\$0.00	\$8,400.00	\$1,250.00	\$7,875.00	\$875.00	\$8,750.00
7.	Trench Safety System, (All Depths), complete in place	LF	2,495	\$1.00	\$2,495.00	\$0.00	\$2,495.00	\$1.00	\$0.00	\$2,495.00	\$2,495.00
8.	Remove and dispose of Plug and Clamp, 2" Blow Off Valve and Connect Proposed 12" Water Line, complete in place	EA	1	\$340.00	\$40.00	\$300.00	\$340.00	\$300.00	\$0.00	\$300.00	\$300.00
9.	Short Side Double or Single Water Service, Includes Trench Safety, Meter Box, Curb Stop and All Necessary Connectors and Taps, complete in place	EA	8	\$550.00	\$2,800.00	\$1,600.00	\$4,400.00	\$470.00	\$1,840.00	\$1,920.00	\$3,760.00
10.	Long Side Double or Single Water Service, Includes Trench Safety, Meter Box, Curb Stop and All Necessary Connectors and Taps, complete in place	EA	8	\$1,000.00	\$5,200.00	\$2,800.00	\$8,000.00	\$860.00	\$2,080.00	\$4,800.00	\$6,880.00
11.	12-Inch Plug and Clamp, complete in place	EA	1	\$550.00	\$450.00	\$100.00	\$550.00	\$250.00	\$200.00	\$50.00	\$250.00
12.	8-Inch Plug and Clamp, complete in place	EA	2	\$400.00	\$600.00	\$200.00	\$800.00	\$200.00	\$300.00	\$100.00	\$400.00
13.	2-Inch Blow Off Valve, Unit and Box, complete in place	EA	3	\$460.00	\$780.00	\$600.00	\$1,380.00	\$1,000.00	\$1,500.00	\$1,500.00	\$3,000.00
14.	8 – inch P.V.C. Restrained Joint Water Pipe, C – 900, DR 14, Class 200, All Depths, Including Fittings, Bedding and Backfill, Complete in place	LF	50	\$52.00	\$1,850.00	\$750.00	\$2,600.00	\$40.00	\$1,000.00	\$1,000.00	\$2,000.00
TOTAL DIVISION I – WATER DISTRIBUTION SYSTEM							\$107,285.00			\$133,320.00	
<i>DIVISION II – SANITARY SEWER COLLECTION SYSTEM</i>											
1.	Standard 8-Foot Depth Sanitary Sewer Manholes, (Includes Precast Concrete Rings, Frame & Cover), complete in place	EA	7	\$3,000.00	\$18,900.00	\$2,100.00	\$21,000.00	\$2,735.00	\$14,945.00	\$4,200.00	\$19,145.00
2.	5-Foot Diameter, 10-Foot Depth Sanitary Sewer Manholes, (Includes Precast Concrete Rings, Frame and Cover), complete in place	EA	19	\$4,700.00	\$85,500.00	\$3,800.00	\$89,300.00	\$4,575.00	\$71,725.00	\$15,200.00	\$86,925.00
3.	5-Foot Diameter, 10-Foot Depth Sanitary Sewer Manholes, Sealed and Bolted, (Includes Precast Concrete Rings, Frame and Cover), complete in place	EA	2	\$7,300.00	\$13,100.00	\$1,500.00	\$14,600.00	\$4,750.00	\$7,900.00	\$1,600.00	\$9,500.00
4.	Extra Depth for Standard Sanitary Sewer Manholes (8-Foot and over), complete in place	VF	8.7	\$230.00	\$2,001.00	\$0.00	\$2,001.00	\$330.00	\$1,566.00	\$1,305.00	\$2,871.00
5.	Extra Depth for 5-Foot Diameter Sanitary Sewer Manholes (10-Foot and over), complete in place	VF	94.7	\$330.00	\$31,251.00	\$0.00	\$31,251.00	\$500.00	\$28,410.00	\$18,940.00	\$47,350.00
6.	8", 8' – 12' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-3034 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,355	\$33.00	\$28,455.00	\$16,260.00	\$44,715.00	\$28.00	\$21,680.00	\$16,260.00	\$37,940.00
7.	8", 12' – 16' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-3034 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	250	\$38.00	\$5,500.00	\$4,000.00	\$9,500.00	\$30.00	\$4,000.00	\$3,500.00	\$7,500.00

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 SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2018
 0474-0205 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	3) BAY UTILITIES, LLC				4) KENNETH LAMB CONSTRUCTION CO., LTD				
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	
8.	8" - 8' - 12" Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	908	\$35.00	\$20,884.00	\$10,896.00	\$31,780.00	\$25.00	\$11,804.00	\$10,896.00	\$22,700.00	
9.	12", 12' - 16" Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,003	\$49.00	\$33,099.00	\$16,048.00	\$49,147.00	\$36.00	\$18,054.00	\$18,054.00	\$36,108.00	
10.	12", 16' - 20" Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1111	\$53.00	\$36,663.00	\$22,220.00	\$58,883.00	\$42.00	\$22,220.00	\$24,442.00	\$46,662.00	
11.	18", 20'-24' Depth, SDR 26 P.V.C. Sewer Pipe Meeting ASTM Specifications F-679 Including Sanitary Sewer Bedding As Per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	308	\$85.00	\$17,864.00	\$8,316.00	\$26,180.00	\$70.00	\$10,780.00	\$10,780.00	\$21,560.00	
12.	6" P.V.C. Sewer Pipe SDR-26 Long Side Service Leads, (All Depths) Meeting ASTM Specifications D-3034, Including All Necessary Fittings, and Cement Stabilized Sand Backfill, Risers, Stacks, Cleanouts, Trench Safety System, Including Sanitary Sewer Bedding as per C.O.C. Details, complete in place	LF	301	\$41.00	\$8,127.00	\$4,214.00	\$12,341.00	\$36.00	\$7,826.00	\$3,010.00	\$10,836.00	
13.	6" P.V.C. Sewer Pipe SDR-26 Short Side Service Leads, (All Depths) Meeting ASTM Specifications D-3034, Including All Necessary Fittings, Risers, Stacks, Cleanouts, and Trench Safety System, complete in place	EA	12	\$700.00	\$6,000.00	\$2,400.00	\$8,400.00	\$750.00	\$6,000.00	\$3,000.00	\$9,000.00	
14.	Trench Safety System (All Depths), complete in place	LF	4,952	\$1.00	\$4,952.00	\$0.00	\$4,952.00	\$1.00	\$0.00	\$4,952.00	\$4,952.00	
15.	Remove and Dispose of Existing Plug and Connect Proposed Sanitary Sewer, All Sizes, complete in place	EA	1	\$850.00	\$100.00	\$750.00	\$850.00	\$500.00	\$0.00	\$500.00	\$500.00	
16.	Standard Drop Structure, All Depths, complete in place	EA	3	\$2,400.00	\$2,700.00	\$4,500.00	\$7,200.00	\$750.00	\$1,500.00	\$750.00	\$2,250.00	
17.	T.V. Inspection Sanitary Sewer, All Sizes per C.O.C. Requirements and Specifications, complete in place	LF	1000	\$3.00	\$3,000.00	\$0.00	\$3,000.00	\$2.00	\$0.00	\$2,000.00	\$2,000.00	
18.	Sanitary Sewer Plug, All Sizes, complete in place	EA	1	\$650.00	\$450.00	\$200.00	\$650.00	\$100.00	\$75.00	\$25.00	\$100.00	
TOTAL DIVISION II - SANITARY SEWER COLLECTION SYSTEM							\$415,750.00					\$367,899.00
DIVISION III - DRAINAGE FACILITIES												
1.	Standard Type "C" Manhole, complete in place	EA	19	\$3,000.00	\$52,250.00	\$4,750.00	\$57,000.00	\$2,785.00	\$43,415.00	\$9,500.00	\$52,915.00	
2.	Oversized Manhole, complete in place	EA	2	\$4,800.00	\$8,700.00	\$900.00	\$9,600.00	\$4,365.00	\$7,130.00	\$1,600.00	\$8,730.00	
3.	Standard Type "C" Manhole with Type "E" Inlet Top, complete in place	EA	3	\$3,800.00	\$10,650.00	\$750.00	\$11,400.00	\$4,010.00	\$9,030.00	\$3,000.00	\$12,030.00	
4.	Junction Box, complete in place	EA	2	\$4,000.00	\$7,300.00	\$700.00	\$8,000.00	\$5,000.00	\$8,000.00	\$2,000.00	\$10,000.00	
5.	24" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,050	\$49.00	\$44,100.00	\$7,350.00	\$51,450.00	\$54.00	\$40,950.00	\$15,750.00	\$56,700.00	
6.	30" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	475	\$66.00	\$27,075.00	\$4,275.00	\$31,350.00	\$69.00	\$24,225.00	\$8,550.00	\$32,775.00	
7.	36" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	490	\$95.00	\$41,160.00	\$5,390.00	\$46,550.00	\$94.00	\$35,280.00	\$10,780.00	\$46,060.00	
8.	48" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	310	\$149.00	\$40,920.00	\$5,270.00	\$46,190.00	\$154.00	\$35,340.00	\$12,400.00	\$47,740.00	

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CONSTRUCTION OF THE THE WATER DISTRIBUTION SYSTEM
 SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2018
 0474-0205 (9.2)

ITEM	DESCRIPTION	UNIT	QTY	3) BAY UTILITIES, LLC				4) KENNETH LAMB CONSTRUCTION CO., LTD			
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
9.	5' X 4' Precast Reinforced Concrete Box Culvert (ASTM C- 1433) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	327	\$275.00	\$84,366.00	\$5,559.00	\$89,925.00	\$300.00	\$73,575.00	\$24,525.00	\$98,100.00
10.	6' X 4' Precast Reinforced Concrete Box Culvert (ASTM C- 1433) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	175	\$328.00	\$54,075.00	\$3,325.00	\$57,400.00	\$360.00	\$52,500.00	\$10,500.00	\$63,000.00
11.	Stage I – Modified Type 'C' Reinforced Concrete Precast Inlet, All Depths, Includes Inlet Protection Barrier for Stage I inlets, complete in place	EA	1	\$1,700.00	\$1,550.00	\$150.00	\$1,700.00	\$1,400.00	\$900.00	\$500.00	\$1,400.00
12.	Stage II – Modified Type 'C' Reinforced Concrete Precast or Cast-In-Place Reinforced Concrete Inlet, complete in place	EA	1	\$1,700.00	\$1,550.00	\$150.00	\$1,700.00	\$1,600.00	\$1,100.00	\$500.00	\$1,600.00
13.	Stage I – Modified Type 'C-1' Reinforced Concrete Precast Inlet, All Depths, Includes Inlet Protection Barrier for Stage I inlets, complete in place	EA	9	\$1,700.00	\$13,500.00	\$1,800.00	\$15,300.00	\$1,600.00	\$9,900.00	\$4,500.00	\$14,400.00
14.	Stage II – Modified Type 'C-1' Reinforced Concrete Precast or Cast-In-Place Reinforced Concrete Inlet, complete in place	EA	9	\$2,100.00	\$17,100.00	\$1,800.00	\$18,900.00	\$2,000.00	\$10,800.00	\$7,200.00	\$18,000.00
15.	30" Outfall Slope Protection No. 2, Includes Rip-Rap and 4" Concrete Slope Paving, complete in place	EA	1	\$6,000.00	\$3,500.00	\$2,500.00	\$6,000.00	\$4,000.00	\$3,000.00	\$1,000.00	\$4,000.00
16.	6' X 4' Outfall Slope Protection No. 3, Includes Rip-Rap and 4" Concrete Slope Paving, complete in place	EA	1	\$9,500.00	\$6,000.00	\$3,500.00	\$9,500.00	\$6,500.00	\$5,500.00	\$1,000.00	\$6,500.00
17.	Excavation, Hauling, Grading and Hydromulch Seeding of Overflow Swale, complete in place	LF	815	\$2.00	\$0.00	\$1,630.00	\$1,630.00	\$10.00	\$2,000.00	\$6,150.00	\$8,150.00
18.	Excavation, Hauling, Grading and Hydromulch Seeding of Outfall Swale, complete in place	LF	125	\$9.00	\$125.00	\$1,000.00	\$1,125.00	\$15.00	\$0.00	\$8,150.00	\$1,875.00
19.	Trench Safety System (All Depth), complete in place	LF	2,827	\$1.00	\$2,827.00	\$0.00	\$2,827.00	\$1.00	\$0.00	\$2,827.00	\$2,827.00
20.	Storm Water Pollution Prevention Plan, Includes Installation and Removal of Filter Fabric Fencing, Inlet Protection and Construction Entrance, complete in place	LS	1	\$15,000.00	\$13,200.00	\$1,800.00	\$15,000.00	\$1,200.00	\$0.00	\$1,200.00	\$1,200.00
21.	Compacted Fill From Utility Spoils to be Placed on site (95% Standard Proctor Density with 8" Lifts), complete in place	CY	2,000	\$4.00	\$0.00	\$8,000.00	\$8,000.00	\$4.00	\$0.00	\$8,000.00	\$8,000.00
22.	Reinforced Concrete Collar, All Sizes, complete in place	EA	2	\$900.00	\$1,100.00	\$700.00	\$1,800.00	\$500.00	\$500.00	\$500.00	\$1,000.00
23.	Concrete Headwall For Four 5' X 4' Box Culverts, (As Per Sheet 30A of 30), complete in place	EA	2	\$16,000.00	\$2,700.00	\$5,000.00	\$32,000.00	\$30,000.00	\$50,000.00	\$10,000.00	\$60,000.00
24.	7" Concrete Seal Slab For Four 5' X 4' Box Culverts, (to be used only at the direction of the Engineer)complete in place	LF	82	\$170.00	\$10,660.00	\$3,280.00	\$13,940.00	\$100.00	\$6,150.00	\$2,050.00	\$8,200.00
25.	7" Concrete Seal Slab For 6' X 4' Box Culverts, (to be used only at the direction of the Engineer)complete in place	LF	175	\$43.00	\$5,775.00	\$1,750.00	\$7,525.00	\$40.00	\$5,250.00	\$1,750.00	\$7,000.00
26.	3:1 Sloped End Treatment for 24" RCP Storm (Includes 4" Sloped Paving, Horizontal Rebar Protection and Precast RCP End), complete in place	EA	2	\$3,500.00	\$6,200.00	\$800.00	\$7,000.00	\$1,800.00	\$3,200.00	\$400.00	\$3,600.00
27.	18" Thick Rip Rap, No Exposed Rebar, at Minimum 6" Thickness per Block, complete in place	SY	250	\$65.00	\$13,250.00	\$3,000.00	\$16,250.00	\$60.00	\$10,000.00	\$5,000.00	\$15,000.00
TOTAL DIVISION III – DRAINAGE FACILITIES							\$569,062.00			\$590,802.00	
DIVISION IV – MISCELLANEOUS ITEMS											
1.	Wet Sand Construction (as per detail), (to be used ONLY at the written direction of the Owner), complete in place	LF	500	\$5.00	\$1,500.00	\$1,000.00	\$2,500.00	\$5.00	\$2,000.00	\$500.00	\$2,500.00
2.	Dewatering (to be used only at the written direction of the Owner), complete in place	LF	500	\$20.00	\$1,000.00	\$0.00	\$10,000.00	\$20.00	\$0.00	\$10,000.00	\$10,000.00

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ITEM	DESCRIPTION	UNIT	QTY	3) BAY UTILITIES, LLC			4) KENNETH LAMB CONSTRUCTION CO., LTD					
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST	
3.	Extra Clearing and Grubbing, complete in place	AC	1	\$2,000.00	\$0.00	\$2,000.00	\$2,000.00	\$2,000.00	\$0.00	\$2,000.00	\$2,000.00	
4.	Block Sodding, per Section 12 Specification (To Be Used Only As Directed By the Owner), complete in place	SF	100	\$0.30	\$30.00	\$0.00	\$30.00	\$0.30	\$20.00	\$10.00	\$30.00	
5.	Broadcast Seeding of Reserves, complete in place	AC	1	\$500.00	\$200.00	\$300.00	\$500.00	\$900.00	\$600.00	\$300.00	\$900.00	
6.	Stripping minimum of 4-inches of Surface Material and Haul Outside this Development, complete in place	AC	1	\$750.00	\$250.00	\$500.00	\$750.00	\$2,000.00	\$0.00	\$2,000.00	\$2,000.00	
7.	Increase in Clearing and Grubbing Cost to Chip and Haul Outside this Development (At Written Direction by the Owner), complete in place	AC	1	\$3,500.00	\$0.00	\$3,500.00	\$3,500.00	\$2,000.00	\$0.00	\$2,000.00	\$2,000.00	
8.	Haul Utility Spoils to Disposal Site "A", (As Per Sheet 25 of 30), Compaction (95% Standard Proctor Density with 8-Inch Lifts), and Grading of Excavated Dirt at Disposal Site "A", complete in place	LS	1	\$26,000.00	\$0.00	\$26,000.00	\$26,000.00	\$40,000.00	\$0.00	\$40,000.00	\$40,000.00	
9.	Cement Stabilized Sand (To Be Used Only As Directed By the Owner), complete in place	CY	10	\$40.00	\$400.00	\$0.00	\$400.00	\$20.00	\$0.00	\$200.00	\$200.00	
10.	DEDUCTION on Stage II Inlets (Type 'C' and 'C-1') Not Constructed for this Project, complete in place	EA	1	(\$500.00)	(\$500.00)	\$0.00	(\$500.00)	\$500.00	\$0.00	(\$500.00)	\$500.00	
TOTAL DIVISION IV – MISCELLANEOUS ITEMS							\$45,180.00				\$60,130.00 *	
<i>DIVISION V – ALTERNATE BID</i>												
1.	Haul Utility Spoils (Both Suitable and Unsuitable Material), Outside this Development, To be used in Lieu of Miscellaneous Item No. 8, complete in place	LS	1	\$68,000.00	\$0.00	\$0.00	\$68,000.00	\$85,000.00	\$0.00	\$85,000.00	\$85,000.00	
2.	Re -Testing of 6" P.V.C. Sanitary Sewer Pipe Service Leads after Installation of Dry Utilities (To Be Used Only at the Written Direction by the Owner), complete in place	EA	16	\$400.00	\$0.00	\$0.00	\$6,400.00	\$10.00	\$0.00	\$1,600.00	\$160.00	
TOTAL DIVISION V – ALTERNATE BID							\$74,400.00				\$85,160.00 *	
BID SUMMARY												
TOTAL DIVISION I – WATER DISTRIBUTION SYSTEM							\$107,285.00					\$133,320.00
TOTAL DIVISION II – SANITARY SEWER COLLECTION SYSTEM							\$415,750.00					\$367,899.00
TOTAL DIVISION III – DRAINAGE FACILITIES							\$569,062.00 *					\$590,802.00 *
TOTAL DIVISION IV – MISCELLANEOUS ITEMS							\$45,180.00					\$60,130.00 *
GRAND TOTAL BASE BID							\$1,137,277.00 *					\$1,152,151.00 *
TOTAL DIVISION V – ALTERNATE BID							\$74,400.00					\$85,160.00 *
TOTAL AMOUNT WITH ALTERNATE BID							\$1,185,677.00 *					\$1,197,311.00 *

BID TABULATION FOR:

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CONSTRUCTION OF THE THE WATER DISTRIBUTION SYSTEM
 SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2018
 0474-0205 (9.2)

5) BLAZEY CONSTRUCTION SERVICES, LLC

ITEM	DESCRIPTION	UNIT	QTY	5) BLAZEY CONSTRUCTION SERVICES, LLC			TOTAL COST
				UNIT COST	MATERIAL	LABOR & EQUIP.	
<i>DIVISION I – WATER DISTRIBUTION SYSTEM</i>							
1.	12-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	805	\$37.00	\$17,871.00	\$11,914.00	\$29,785.00
2.	8-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	1,290	\$28.00	\$21,672.00	\$14,448.00	\$36,120.00
3.	4-inch P.V.C. Water Pipe, C-900, DR 18, All Depths, Including Fittings, Bedding and Backfill, complete in place	LF	350	\$22.00	\$4,620.00	\$3,080.00	\$7,700.00
4.	Fire Hydrant Unit (includes appropriate tee, 6" Valve & Box, 6" Lead & Fire Hydrant and Trench Safety), complete in place	EA	6	\$4,745.00	\$17,082.00	\$11,388.00	\$28,470.00
5.	12-inch AWWA Gate Valve & Box, complete in place	EA	1	\$2,100.00	\$1,260.00	\$840.00	\$2,100.00
6.	8-inch AWWA Gate Valve & Box, complete in place	EA	7	\$1,206.00	\$5,065.20	\$3,376.80	\$8,442.00
7.	Trench Safety System, (All Depths), complete in place	LF	2,495	\$0.30	\$449.10	\$299.40	\$748.50
8.	Remove and dispose of Plug and Clamp, 2" Blow Off Valve and Connect Proposed 12" Water Line, complete in place	EA	1	\$1,027.00	\$616.20	\$410.80	\$1,027.00
9.	Short Side Double or Single Water Service, Includes Trench Safety, Meter Box, Curb Stop and All Necessary Connectors and Taps, complete in place	EA	8	\$698.00	\$3,350.40	\$2,233.60	\$5,584.00
10.	Long Side Double or Single Water Service, Includes Trench Safety, Meter Box, Curb Stop and All Necessary Connectors and Taps, complete in place	EA	8	\$731.00	\$3,508.80	\$2,339.20	\$5,848.00
11.	12-Inch Plug and Clamp, complete in place	EA	1	\$334.00	\$200.40	\$133.60	\$334.00
12.	8-Inch Plug and Clamp, complete in place	EA	2	\$242.00	\$290.40	\$193.60	\$484.00
13.	2-Inch Blow Off Valve, Unit and Box, complete in place	EA	3	\$748.00	\$1,346.40	\$897.60	\$2,244.00
14.	8 – inch P.V.C. Restrained Joint Water Pipe, C – 900, DR 14, Class 200, All Depths, Including Fittings, Bedding and Backfill, Complete in place	LF	50	\$31.00	\$930.00	\$620.00	\$1,550.00
TOTAL DIVISION I – WATER DISTRIBUTION SYSTEM							\$130,436.50
<i>DIVISION II – SANITARY SEWER COLLECTION SYSTEM</i>							
1.	Standard 8-Foot Depth Sanitary Sewer Manholes, (Includes Precast Concrete Rings, Frame & Cover), complete in place	EA	7	\$2,577.00	\$10,823.40	\$7,215.60	\$18,039.00
2.	5-Foot Diameter, 10-Foot Depth Sanitary Sewer Manholes, (Includes Precast Concrete Rings, Frame and Cover), complete in place	EA	19	\$4,697.00	\$53,545.80	\$35,697.20	\$89,243.00
3.	5-Foot Diameter, 10-Foot Depth Sanitary Sewer Manholes, Sealed and Bolted, (Includes Precast Concrete Rings, Frame and Cover), complete in place	EA	2	\$5,198.00	\$6,237.60	\$4,158.40	\$10,396.00
4.	Extra Depth for Standard Sanitary Sewer Manholes (8-Foot and over), complete in place	VF	8.7	\$180.00	\$939.60	\$626.40	\$1,566.00
5.	Extra Depth for 5-Foot Diameter Sanitary Sewer Manholes (10-Foot and over), complete in place	VF	94.7	\$340.00	\$19,318.80	\$12,879.20	\$32,198.00
6.	8", 8' – 12' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-3034 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,355	\$26.00	\$21,138.00	\$14,092.00	\$35,230.00
7.	8", 12' – 16' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-3034 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	250	\$30.00	\$4,500.00	\$3,000.00	\$7,500.00

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 SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A.CAROTHERS
 DECEMBER 13, 2018
 0474-0205 (9.2)

5) BLAZEY CONSTRUCTION SERVICES, LLC

ITEM	DESCRIPTION	UNIT	QTY	5) BLAZEY CONSTRUCTION SERVICES, LLC			
				UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
8.	8" - 8' - 12' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	908	\$28.00	\$15,254.40	\$10,169.60	\$25,424.00
9.	12", 12' - 16' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,003	\$37.00	\$22,266.60	\$14,844.40	\$37,111.00
10.	12", 16' - 20' Depth, SDR 26, P.V.C. Sewer Pipe Meeting ASTM Specifications D-2241 Including Sanitary Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1111	\$46.00	\$30,663.60	\$20,442.40	\$51,106.00
11.	18", 20'-24' Depth, SDR 26 P.V.C. Sewer Pipe Meeting ASTM Specifications F-679 Including Sanitary Sewer Bedding As Per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	308	\$90.00	\$16,632.00	\$11,088.00	\$27,720.00
12.	6" P.V.C. Sewer Pipe SDR-26 Long Side Service Leads, (All Depths) Meeting ASTM Specifications D-3034, Including All Necessary Fittings, and Cement Stabilized Sand Backfill, Risers, Stacks, Cleanouts, Trench Safety System, Including Sanitary Sewer Bedding as per C.O.C. Details, complete in place	LF	301	\$52.00	\$9,391.20	\$6,260.80	\$15,652.00
13.	6" P.V.C. Sewer Pipe SDR-26 Short Side Service Leads, (All Depths) Meeting ASTM Specifications D-3034, Including All Necessary Fittings, Risers, Stacks, Cleanouts, and Trench Safety System, complete in place	EA	12	\$700.00	\$5,040.00	\$3,360.00	\$8,400.00
14.	Trench Safety System (All Depths), complete in place	LF	4,952	\$0.30	\$891.36	\$594.24	\$1,485.60
15.	Remove and Dispose of Existing Plug and Connect Proposed Sanitary Sewer, All Sizes, complete in place	EA	1	\$418.00	\$250.80	\$167.20	\$418.00
16.	Standard Drop Structure, All Depths, complete in place	EA	3	\$591.00	\$1,063.00	\$709.20	\$1,773.00
17.	T.V. Inspection Sanitary Sewer, All Sizes per C.O.C. Requirements and Specifications, complete in place	LF	1000	\$2.00	\$1,200.00	\$800.00	\$2,000.00
18.	Sanitary Sewer Plug, All Sizes, complete in place	EA	1	\$128.00	\$76.80	\$51.20	\$128.00
TOTAL DIVISION II - SANITARY SEWER COLLECTION SYSTEM							\$365,389.60
DIVISION III - DRAINAGE FACILITIES							
1.	Standard Type "C" Manhole, complete in place	EA	19	\$2,527.00	\$28,807.80	\$19,205.20	\$48,013.00
2.	Oversized Manhole, complete in place	EA	2	\$5,048.00	\$6,057.60	\$4,038.40	\$10,096.00
3.	Standard Type "C" Manhole with Type "E" Inlet Top, complete in place	EA	3	\$3,899.00	\$7,018.20	\$4,678.80	\$11,697.00
4.	Junction Box, complete in place	EA	2	\$6,896.00	\$8,275.20	\$5,516.80	\$13,792.00
5.	24" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	1,050	\$55.00	\$34,650.00	\$23,100.00	\$57,750.00
6.	30" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	475	\$69.00	\$19,665.00	\$13,110.00	\$32,775.00
7.	36" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	490	\$93.00	\$27,342.00	\$18,228.00	\$45,570.00
8.	48" Reinforced Concrete Pipe Sewers (ASTM C-76 Class III) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	310	\$149.00	\$27,714.00	\$18,476.00	\$46,190.00

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 SANITARY SEWER COLLECTION SYSTEM AND DRAINAGE FACILITIES
 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
 DECEMBER 13, 2018
 LJA ENGINEERING, INC.
 A. CAROTHERS
 DECEMBER 13, 2018
 0474-0205 (9.2)

5) BLAZEY CONSTRUCTION SERVICES, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
9.	5' X 4' Precast Reinforced Concrete Box Culvert (ASTM C- 1433) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	327	\$288.00	\$56,505.60	\$37,670.40	\$94,176.00
10.	6' X 4' Precast Reinforced Concrete Box Culvert (ASTM C- 1433) Including Storm Sewer Bedding as per C.O.C. Details, Backfill and Cement Stabilized Sand, complete in place	LF	175	\$342.00	\$35,910.00	\$23,940.00	\$59,850.00
11.	Stage I – Modified Type 'C' Reinforced Concrete Precast Inlet, All Depths, Includes Inlet Protection Barrier for Stage I Inlets, complete in place	EA	1	\$1,316.00	\$789.60	\$526.40	\$1,316.00
12.	Stage II – Modified Type 'C' Reinforced Concrete Precast or Cast-In-Place Reinforced Concrete Inlet, complete in place	EA	1	\$2,231.00	\$1,338.60	\$892.40	\$2,231.00
13.	Stage I – Modified Type 'C-1' Reinforced Concrete Precast Inlet, All Depths, Includes Inlet Protection Barrier for Stage I Inlets, complete in place	EA	9	\$1,595.00	\$8,613.00	\$5,742.00	\$14,355.00
14.	Stage II – Modified Type 'C-1' Reinforced Concrete Precast or Cast-In-Place Reinforced Concrete Inlet, complete in place	EA	9	\$2,956.00	\$15,962.40	\$10,641.60	\$26,604.00
15.	30" Outfall Slope Protection No. 2, Includes Rip-Rap and 4" Concrete Slope Paving, complete in place	EA	1	\$3,795.00	\$2,277.00	\$1,518.00	\$3,795.00
16.	6' X 4' Outfall Slope Protection No. 3, Includes Rip-Rap and 4" Concrete Slope Paving, complete in place	EA	1	\$6,331.00	\$3,798.60	\$2,532.40	\$6,331.00
17.	Excavation, Hauling, Grading and Hydromulch Seeding of Overflow Swale, complete in place	LF	815	\$4.20	\$2,053.80	\$1,369.20	\$3,423.00
18.	Excavation, Hauling, Grading and Hydromulch Seeding of Outfall Swale, complete in place	LF	125	\$11.40	\$855.00	\$570.00	\$1,425.00
19.	Trench Safety System (All Depth), complete in place	LF	2.827	\$0.30	\$508.86	\$399.24	\$848.10
20.	Storm Water Pollution Prevention Plan, Includes Installation and Removal of Filter Fabric Fencing, Inlet Protection and Construction Entrance, complete in place	LS	1	\$4,500.00	\$2,700.00	\$1,800.00	\$4,500.00
21.	Compacted Fill From Utility Spoils to be Placed on site (95% Standard Proctor Density with 8 " Lifts), complete in place	CY	2,000	\$11.20	\$13,440.00	\$8,960.00	\$22,400.00
22.	Reinforced Concrete Collar, All Sizes, complete in place	EA	2	\$335.00	\$402.00	\$268.00	\$670.00
23.	Concrete Headwall For Four 5' X 4' Box Culverts, (As Per Sheet 30A of 30), complete in place	EA	2	\$46,970.00	\$56,364.00	\$37,576.00	\$93,940.00
24.	7" Concrete Seal Slab For Four 5' X 4' Box Culverts, (to be used only at the direction of the Engineer)complete in place	LF	82	\$156.00	\$7,675.20	\$5,116.80	\$12,792.00
25.	7" Concrete Seal Slab For 6' X 4' Box Culverts, (to be used only at the direction of the Engineer)complete in place	LF	175	\$50.00	\$5,250.00	\$3,500.00	\$8,750.00
26.	3:1 Sloped End Treatment for 24" RCP Storm (Includes 4" Sloped Paving, Horizontal Rebar Protection and Precast RCP End), complete in place	EA	2	\$1,150.00	\$1,380.00	\$920.00	\$2,300.00
27.	18" Thick Rip Rap, No Exposed Rebar, at Minimum 6" Thickness per Block, complete in place	SY	250	\$90.00	\$13,500.00	\$9,000.00	\$22,500.00
TOTAL DIVISION III – DRAINAGE FACILITIES							\$648,089.10
<i>DIVISION IV – MISCELLANEOUS ITEMS</i>							
1.	Wet Sand Construction (as per detail), (to be used ONLY at the written direction of the Owner), complete in place	LF	500	\$5.00	\$1,500.00	\$1,000.00	\$2,500.00
2.	Dewatering (to be used only at the written direction of the Owner), complete in place	LF	500	\$20.00	\$6,000.00	\$4,000.00	\$10,000.00

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 TO SERVE THE WOODLANDS HILLS SECTION 5
 MONTGOMERY COUNTY MUNICIPAL UTILITY DISTRICT NO. 128A
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5) BLAZEY CONSTRUCTION SERVICES, LLC

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	MATERIAL	LABOR & EQUIP.	TOTAL COST
3.	Extra Clearing and Grubbing, complete in place	AC	1	\$2,000.00	\$1,200.00	\$800.00	\$2,000.00
4.	Block Sodding, per Section 12 Specification (To Be Used Only As Directed By the Owner), complete in place	SF	100	\$0.30	\$18.00	\$12.00	\$30.00
5.	Broadcast Seeding of Reserves, complete in place	AC	1	\$880.00	\$528.00	\$352.00	\$880.00
6.	Stripping minimum of 4-inches of Surface Material and Haul Outside this Development, complete in place	AC	1	\$6,695.00	\$4,017.00	\$2,678.00	\$6,695.00
7.	Increase in Clearing and Grubbing Cost to Chip and Haul Outside this Development (At Written Direction by the Owner), complete in place	AC	1	\$2,000.00	\$1,200.00	\$800.00	\$2,000.00
8.	Haul Utility Spoils to Disposal Site "A", (As Per Sheet 25 of 30), Compaction (95% Standard Proctor Density with 8-Inch Lifts), and Grading of Excavated Dirt at Disposal Site "A", complete in place	LS	1	\$52,992.00	\$31,795.20	\$21,196.80	\$52,992.00
9.	Cement Stabilized Sand (To Be Used Only As Directed By the Owner), complete in place	CY	10	\$22.00	\$132.00	\$88.00	\$220.00
10.	DEDUCTION on Stage II Inlets (Type 'C' and 'C-1') Not Constructed for this Project, complete in place	EA	1	(\$500.00)	(\$300.00)	(\$200.00)	(\$500.00)
TOTAL DIVISION IV – MISCELLANEOUS ITEMS							\$76,817.00
<i>DIVISION V – ALTERNATE BID</i>							
1.	Haul Utility Spoils (Both Suitable and Unsuitable Material), Outside this Development, To be used in Lieu of Miscellaneous Item No. 8, complete in place	LS	1	\$67,000.00	\$40,200.00	\$26,800.00	\$67,000.00
2.	Re -Testing of 6" P.V.C. Sanitary Sewer Pipe Service Leads after Installation of Dry Utilities (To Be Used Only at the Written Direction by the Owner), complete in place	EA	16	\$1,500.00	\$14,400.00	\$9,600.00	\$24,000.00
TOTAL DIVISION V – ALTERNATE BID							\$91,000.00
BID SUMMARY							
TOTAL DIVISION I – WATER DISTRIBUTION SYSTEM							\$130,436.50
TOTAL DIVISION II – SANITARY SEWER COLLECTION SYSTEM							\$365,389.60
TOTAL DIVISION III – DRAINAGE FACILITIES							\$648,089.10
TOTAL DIVISION IV – MISCELLANEOUS ITEMS							\$76,817.00
GRAND TOTAL BASE BID							\$1,220,732.20
TOTAL DIVISION V – ALTERNATE BID							\$91,000.00
TOTAL AMOUNT WITH ALTERNATE BID							\$1,258,740.20