



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

April 26th, 2022

City of Zion
2828 Sheridan Road
Zion, Illinois 60099

Attention: Ray Roberts – Director of Public Works & Engineering

Subject: 2022 Water Main Replacement Project
Bid Results
(CBBEL Project No. 200424)

Dear Mr. Roberts:

On Tuesday, April 19th at 10:00 a.m. bids were received and opened for the aforementioned project. Two (2) bids were received, and they have been summarized below.

COMPANY	BASE BID	ALTERNATE 1	ALTERNATE 2	ALTERNATE 3
Engineer's Estimate	\$1,130,000.00	\$1,500,000.00	\$1,800,000.00	\$2,200,000.00
CAMPANELLA & SONS, INC.	\$1,198,078.97	\$1,539,598.18	\$2,067,047.44	\$2,167,600.43
BOLDER CONTRACTORS	\$1,440,125.00	\$1,886,595.00	\$2,282,224.00	\$2,754,031.00

As shown above, Campanella & Sons, Inc. is the apparent low qualified bidder for the subject project. Therefore, our office recommends accepting the low bidder based on available funding for the City.

Below for your use, the description of the Base Bid and Alternates:

BASE BID:

- Alley between Gilboa Avenue and Gilead Avenue between 23rd Street and the alley just south of 24th Street
- Alley between 24th Street and Salem Boulevard between Galilee Avenue and Gideon Avenue.

ALTERNATE 1:

- Alley located just west of Sheridan Road between 23rd Street and 24th Street.

ALTERNATE 2:

- Alley between 24th Street and the East-West alley south of 24th Street between Galilee Avenue and Gilead Avenue.

ALTERNATE 3:

- Alley between 23rd Street and 24th Street between Galilee Avenue and Gilead Avenue

Attached please find a copy of the bid tabulation for your review.

If you have any further questions, please do not hesitate to contact me at (847) 823-0500.

Sincerely,

A handwritten signature in black ink, appearing to be 'Lee M. Fell', with a stylized flourish at the end.

Lee. M. Fell, PE
Assistant Department Head, Civil Engineering Design

N:\ZION\210424\Admin\L1.Bidresults.042622.Doc

Christopher B. Burke Engineering, Ltd.
 9575 W Higgins Road, Suite 600
 Rosemont, IL 60018

City of Zion

2022 WM Improvements and Alley Reconstruction Bid Tabulation

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		CAMPANELLA & SONS, INC.		BOLDER CONTRACTORS, INC.		
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	
20101300	TREE CANOPY PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	\$ 500.00	\$ 1,000.00	\$ 330.00	\$ 660.00	\$ 200.00	\$ 400.00	
20200100	EARTH EXCAVATION	CU YD	525	\$ 30.00	\$ 15,750.00	\$ 54.80	\$ 28,770.00	\$ 40.00	\$ 21,000.00	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	\$ 50.00	\$ 2,500.00	\$ 54.80	\$ 2,740.00	\$ 50.00	\$ 2,500.00	
20400800	FURNISHED EXCAVATION	CU YD	100	\$ 40.00	\$ 4,000.00	\$ 0.01	\$ 1.00	\$ 18.00	\$ 1,800.00	
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	1500	\$ 35.00	\$ 52,500.00	\$ 78.80	\$ 118,200.00	\$ 20.00	\$ 30,000.00	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	300	\$ 2.50	\$ 750.00	\$ 2.00	\$ 600.00	\$ 4.00	\$ 1,200.00	
28000510	INLET FILTERS	EACH	3	\$ 150.00	\$ 450.00	\$ 185.00	\$ 555.00	\$ 200.00	\$ 600.00	
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	110	\$ 40.00	\$ 4,400.00	\$ 66.67	\$ 7,333.70	\$ 70.00	\$ 7,700.00	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3150	\$ 15.00	\$ 47,250.00	\$ 11.08	\$ 34,902.00	\$ 15.00	\$ 47,250.00	
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	40	\$ 250.00	\$ 10,000.00	\$ 164.25	\$ 6,570.00	\$ 1.00	\$ 40.00	
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	325	\$ 100.00	\$ 32,500.00	\$ 136.50	\$ 44,362.50	\$ 120.00	\$ 39,000.00	
40603205	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5,N50	TON	25	\$ 120.00	\$ 3,000.00	\$ 117.20	\$ 2,930.00	\$ 445.00	\$ 11,125.00	
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	925	\$ 100.00	\$ 92,500.00	\$ 105.00	\$ 97,125.00	\$ 101.00	\$ 93,425.00	
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	430	\$ 20.00	\$ 8,600.00	\$ 23.59	\$ 10,143.70	\$ 10.00	\$ 4,300.00	
*42400800	DETECTABLE WARNINGS	SQ FT	130	\$ 50.00	\$ 6,500.00	\$ 36.75	\$ 4,777.50	\$ 33.00	\$ 4,290.00	
*44000100	PAVEMENT REMOVAL	SQ YD	3150	\$ 15.00	\$ 47,250.00	\$ 10.09	\$ 31,783.50	\$ 15.00	\$ 47,250.00	
44000600	SIDEWALK REMOVAL	SQ FT	200	\$ 5.00	\$ 1,000.00	\$ 9.60	\$ 1,920.00	\$ 2.00	\$ 400.00	
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	40	\$ 60.00	\$ 2,400.00	\$ 194.25	\$ 7,770.00	\$ 130.00	\$ 5,200.00	
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	100	\$ 115.00	\$ 11,500.00	\$ 106.63	\$ 10,663.00	\$ 265.00	\$ 26,500.00	
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	2250	\$ 120.00	\$ 270,000.00	\$ 108.73	\$ 244,642.50	\$ 292.00	\$ 657,000.00	
*56105000	GATE VALVES 8"	EACH	5	\$ 2,500.00	\$ 12,500.00	\$ 2,041.70	\$ 10,208.50	\$ 2,000.00	\$ 10,000.00	
*56400500	FIRE HYDRANTS TO BE REMOVED AND SALVAGED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 1,105.00	\$ 2,210.00	\$ 600.00	\$ 1,200.00	
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4	\$ 6,000.00	\$ 24,000.00	\$ 6,530.75	\$ 26,123.00	\$ 6,000.00	\$ 24,000.00	
*60603800	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	360	\$ 30.00	\$ 10,800.00	\$ 82.63	\$ 29,746.80	\$ 50.00	\$ 18,000.00	
67100100	MOBILIZATION	L. SUM	0.25	\$50,000.00	\$ 12,500.00	\$275,160.00	\$ 68,790.00	\$20,000.00	\$ 5,000.00	
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	0.25	\$10,000.00	\$ 2,500.00	\$ 9,794.00	\$ 2,448.50	\$20,000.00	\$ 5,000.00	
*NA	AGGREGATE DRIVEWAYS REMOVAL & REPLACEMENT	SQ YD	245	\$ 40.00	\$ 9,800.00	\$ 23.43	\$ 5,740.35	\$ 23.00	\$ 5,635.00	
*NA	AS-BUILT DRAWINGS	L. SUM	0.25	\$ 5,000.00	\$ 1,250.00	\$ 3,850.00	\$ 962.50	\$ 4,000.00	\$ 1,000.00	
*NA	CONSTRUCTION LAYOUT	L. SUM	0.25	\$10,000.00	\$ 2,500.00	\$ 14,300.00	\$ 3,575.00	\$10,000.00	\$ 2,500.00	
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	1080	\$ 100.00	\$ 108,000.00	\$ 44.94	\$ 48,535.20	\$ 44.00	\$ 47,520.00	
*NA	CURED-IN-PLACE SEWER LINING, 12"	FOOT	580	\$ 110.00	\$ 63,800.00	\$ 54.70	\$ 31,726.00	\$ 53.00	\$ 30,740.00	
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	385	\$ 70.00	\$ 26,950.00	\$ 82.63	\$ 31,812.55	\$ 70.00	\$ 26,950.00	
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	2000	\$ 3.00	\$ 6,000.00	\$ 10.90	\$ 21,800.00	\$ 7.00	\$ 14,000.00	
*NA	PRIVATE WATER SERVICE ASBESTOS ABATEMENT	EACH	4	\$ 2,500.00	\$ 10,000.00	\$ 1,000.00	\$ 4,000.00	\$ 1,000.00	\$ 4,000.00	
*NA	WATER SERVICE INTERIOR RESTORATION	EACH	4	\$ 5,000.00	\$ 20,000.00	\$ 500.00	\$ 2,000.00	\$ 1,500.00	\$ 6,000.00	
*NA	WATER SERVICE LINE (PRIVATE) - LEAD SERVICE REPLACEMENT	EACH	4	\$ 2,500.00	\$ 10,000.00	\$ 4,200.00	\$ 16,800.00	\$10,000.00	\$ 40,000.00	
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	0.25	\$ 2,000.00	\$ 500.00	\$ 1,600.00	\$ 400.00	\$ 1,000.00	\$ 250.00	
*NA	PRESSURE CONNECTION 6"	EACH	1	\$ 5,000.00	\$ 5,000.00	\$ 6,660.25	\$ 6,660.25	\$ 7,000.00	\$ 7,000.00	
*NA	PRESSURE CONNECTION 8"	EACH	4	\$ 6,000.00	\$ 24,000.00	\$ 6,824.65	\$ 27,298.60	\$ 7,800.00	\$ 31,200.00	
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	2	\$ 1,500.00	\$ 3,000.00	\$ 544.50	\$ 1,089.00	\$ 2,500.00	\$ 5,000.00	
*NA	STRUCTURES TO BE ADJUSTED	EACH	5	\$ 500.00	\$ 2,500.00	\$ 400.00	\$ 2,000.00	\$ 600.00	\$ 3,000.00	
*NA	STRUCTURES TO BE RECONSTRUCTED	EACH	1	\$ 750.00	\$ 750.00	\$ 3,369.30	\$ 3,369.30	\$ 2,100.00	\$ 2,100.00	
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	0.25	\$15,000.00	\$ 3,750.00	\$ 19,580.00	\$ 4,895.00	\$20,000.00	\$ 5,000.00	
*NA	TREE ROOT PRUNING	EACH	14	\$ 500.00	\$ 7,000.00	\$ 121.00	\$ 1,694.00	\$ 200.00	\$ 2,800.00	
*NA	TREE PROTECTION FENCING	EACH	13	\$ 10.00	\$ 130.00	\$ 266.35	\$ 3,462.55	\$ 200.00	\$ 2,600.00	
*NA	VALVE BOX, 8"	EACH	5	\$ 4,000.00	\$ 20,000.00	\$ 493.00	\$ 2,465.00	\$ 700.00	\$ 3,500.00	
*NA	VALVE VAULTS TO BE REMOVED	EACH	3	\$ 2,500.00	\$ 7,500.00	\$ 1,463.60	\$ 4,390.80	\$ 700.00	\$ 2,100.00	
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	3	\$ 1,500.00	\$ 4,500.00	\$ 4,908.60	\$ 14,725.80	\$ 3,500.00	\$ 10,500.00	
*NA	WATER MAIN REMOVAL 6"	FOOT	30	\$ 25.00	\$ 750.00	\$ 25.00	\$ 750.00	\$ 35.00	\$ 1,050.00	
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1" (LONG SIDE)	EACH	29	\$ 2,500.00	\$ 72,500.00	\$ 3,630.87	\$ 105,295.23	\$ 2,800.00	\$ 81,200.00	
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1" (SHORT SIDE)	EACH	16	\$ 2,000.00	\$ 32,000.00	\$ 2,942.49	\$ 47,079.84	\$ 2,100.00	\$ 33,600.00	
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	1	\$ 4,500.00	\$ 4,500.00	\$ 5,341.20	\$ 5,341.20	\$ 3,700.00	\$ 3,700.00	
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	1	\$ 4,000.00	\$ 4,000.00	\$ 4,234.60	\$ 4,234.60	\$ 3,000.00	\$ 3,000.00	
DENOTES BID CORRECTED BY CBBEL				TOTAL=		\$ 1,128,330.00	TOTAL=	\$ 1,198,078.97	TOTAL=	\$ 1,440,125.00

Christopher B. Burke Engineering, Ltd.
 9575 W Higgins Road, Suite 600
 Rosemont, IL 60018

City of Zion
 2022 WM Improvements and Alley Reconstruction Bid Tabulation

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		CAMPANELLA & SONS, INC.		BOLDER CONTRACTORS, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20101300	TREE CANOPY PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	\$ 500.00	\$ 1,500.00	\$ 330.00	\$ 990.00	\$ 200.00	\$ 600.00
20200100	EARTH EXCAVATION	CU YD	575	\$ 30.00	\$ 17,250.00	\$ 54.98	\$ 31,613.50	\$ 40.00	\$ 23,000.00
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	60	\$ 50.00	\$ 3,000.00	\$ 54.98	\$ 3,298.80	\$ 50.00	\$ 3,000.00
20400800	FURNISHED EXCAVATION	CU YD	110	\$ 40.00	\$ 4,400.00	\$ 0.01	\$ 1.10	\$ 18.00	\$ 1,980.00
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	2000	\$ 35.00	\$ 70,000.00	\$ 80.92	\$ 161,840.00	\$ 20.00	\$ 40,000.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	357	\$ 2.50	\$ 892.50	\$ 2.00	\$ 714.00	\$ 4.00	\$ 1,428.00
28000510	INLET FILTERS	EACH	11	\$ 150.00	\$ 1,650.00	\$ 185.00	\$ 2,035.00	\$ 200.00	\$ 2,200.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	130	\$ 40.00	\$ 5,200.00	\$ 70.96	\$ 9,224.80	\$ 70.00	\$ 9,100.00
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3150	\$ 15.00	\$ 47,250.00	\$ 9.08	\$ 28,602.00	\$ 15.00	\$ 47,250.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	46	\$ 250.00	\$ 11,500.00	\$ 285.00	\$ 13,110.00	\$ 1.00	\$ 46.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	386	\$ 100.00	\$ 38,600.00	\$ 136.50	\$ 52,689.00	\$ 120.00	\$ 46,320.00
40603205	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5,N50	TON	35	\$ 120.00	\$ 4,200.00	\$ 177.20	\$ 6,202.00	\$ 445.00	\$ 15,575.00
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1155	\$ 100.00	\$ 115,500.00	\$ 105.00	\$ 121,275.00	\$ 101.00	\$ 116,655.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	50	\$ 80.00	\$ 4,000.00	\$ 145.70	\$ 7,285.00	\$ 101.00	\$ 5,050.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	530	\$ 20.00	\$ 10,600.00	\$ 16.30	\$ 8,639.00	\$ 10.00	\$ 5,300.00
*42400800	DETECTABLE WARNINGS	SQ FT	170	\$ 50.00	\$ 8,500.00	\$ 36.75	\$ 6,247.50	\$ 33.00	\$ 5,610.00
*44000100	PAVEMENT REMOVAL	SQ YD	3750	\$ 15.00	\$ 56,250.00	\$ 9.32	\$ 34,950.00	\$ 15.00	\$ 56,250.00
44000600	SIDEWALK REMOVAL	SQ FT	300	\$ 5.00	\$ 1,500.00	\$ 9.60	\$ 2,880.00	\$ 2.00	\$ 600.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	55	\$ 60.00	\$ 3,300.00	\$ 194.25	\$ 10,683.75	\$ 130.00	\$ 7,150.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	120	\$ 115.00	\$ 13,800.00	\$ 108.25	\$ 13,110.00	\$ 265.00	\$ 31,800.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	2930	\$ 120.00	\$ 351,600.00	\$ 105.66	\$ 309,583.80	\$ 292.00	\$ 855,560.00
*56105000	GATE VALVES 8"	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 2,041.70	\$ 12,250.20	\$ 2,000.00	\$ 12,000.00
*56400500	FIRE HYDRANTS TO BE REMOVED AND SALVAGED	EACH	3	\$ 750.00	\$ 2,250.00	\$ 1,105.00	\$ 3,315.00	\$ 600.00	\$ 1,800.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5	\$ 6,000.00	\$ 30,000.00	\$ 6,520.65	\$ 32,603.25	\$ 6,000.00	\$ 30,000.00
*60603800	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	480	\$ 30.00	\$ 14,400.00	\$ 45.88	\$ 22,022.40	\$ 50.00	\$ 24,000.00
67100100	MOBILIZATION	L SUM	0.5	\$ 50,000.00	\$ 25,000.00	\$ 155,380.00	\$ 77,690.00	\$ 20,000.00	\$ 10,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L SUM	0.5	\$ 10,000.00	\$ 5,000.00	\$ 9,697.20	\$ 4,848.60	\$ 20,000.00	\$ 10,000.00
*NA	AGGREGATE DRIVEWAYS REMOVAL & REPLACEMENT	SQ YD	267	\$ 40.00	\$ 10,680.00	\$ 26.78	\$ 7,150.26	\$ 23.00	\$ 6,141.00
*NA	AS-BUILT DRAWINGS	L SUM	0.5	\$ 5,000.00	\$ 2,500.00	\$ 3,850.00	\$ 1,925.00	\$ 4,000.00	\$ 2,000.00
*NA	CONSTRUCTION LAYOUT	L SUM	0.5	\$ 10,000.00	\$ 5,000.00	\$ 14,300.00	\$ 7,150.00	\$ 10,000.00	\$ 5,000.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	1630	\$ 100.00	\$ 163,000.00	\$ 45.94	\$ 74,882.20	\$ 44.00	\$ 71,720.00
*NA	CURED-IN-PLACE SEWER LINING, 12"	FOOT	580	\$ 110.00	\$ 63,800.00	\$ 54.70	\$ 31,726.00	\$ 55.00	\$ 31,900.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	560.5	\$ 70.00	\$ 39,235.00	\$ 79.90	\$ 44,783.95	\$ 70.00	\$ 39,235.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	2550	\$ 3.00	\$ 7,650.00	\$ 10.90	\$ 27,795.00	\$ 7.00	\$ 17,850.00
*NA	PRIVATE WATER SERVICE ASBESTOS ABATEMENT	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 1,000.00	\$ 6,000.00	\$ 1,000.00	\$ 6,000.00
*NA	WATER SERVICE INTERIOR RESTORATION	EACH	6	\$ 5,000.00	\$ 30,000.00	\$ 500.00	\$ 3,000.00	\$ 1,500.00	\$ 9,000.00
*NA	WATER SERVICE LINE (PRIVATE) - LEAD SERVICE REPLACEMENT	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 4,200.00	\$ 25,200.00	\$ 10,000.00	\$ 60,000.00
*NA	PRECONSTRUCTION VIDEO TAPING	L SUM	0.5	\$ 2,000.00	\$ 1,000.00	\$ 1,600.00	\$ 800.00	\$ 1,000.00	\$ 500.00
*NA	PRESSURE CONNECTION 6"	EACH	1	\$ 5,000.00	\$ 5,000.00	\$ 6,660.25	\$ 6,660.25	\$ 7,000.00	\$ 7,000.00
*NA	PRESSURE CONNECTION 8"	EACH	5	\$ 6,000.00	\$ 30,000.00	\$ 6,824.65	\$ 34,123.25	\$ 7,800.00	\$ 39,000.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	4	\$ 1,500.00	\$ 6,000.00	\$ 570.00	\$ 2,280.00	\$ 2,500.00	\$ 10,000.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	11	\$ 500.00	\$ 5,500.00	\$ 400.00	\$ 4,400.00	\$ 600.00	\$ 6,600.00
*NA	STRUCTURES TO BE RECONSTRUCTED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 2,990.00	\$ 5,980.00	\$ 2,100.00	\$ 4,200.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	0.5	\$ 15,000.00	\$ 7,500.00	\$ 10,010.00	\$ 5,005.00	\$ 20,000.00	\$ 10,000.00
*NA	TREE ROOT PRUNING	EACH	14	\$ 500.00	\$ 7,000.00	\$ 121.00	\$ 1,694.00	\$ 200.00	\$ 2,800.00
*NA	TREE PROTECTION FENCING	EACH	13	\$ 10.00	\$ 130.00	\$ 266.35	\$ 3,462.55	\$ 200.00	\$ 2,600.00
*NA	VALVE BOX, 8"	EACH	6	\$ 4,000.00	\$ 24,000.00	\$ 510.00	\$ 3,060.00	\$ 700.00	\$ 4,200.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	4	\$ 2,500.00	\$ 10,000.00	\$ 1,546.00	\$ 6,184.00	\$ 700.00	\$ 2,800.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	5	\$ 1,500.00	\$ 7,500.00	\$ 4,961.00	\$ 24,805.00	\$ 3,500.00	\$ 17,500.00
*NA	WATER MAIN REMOVAL 6"	FOOT	45	\$ 25.00	\$ 1,125.00	\$ 25.00	\$ 1,125.00	\$ 35.00	\$ 1,575.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1" (LONG SIDE)	EACH	39	\$ 2,500.00	\$ 97,500.00	\$ 3,898.59	\$ 152,045.01	\$ 2,800.00	\$ 109,200.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1" (SHORT SIDE)	EACH	21	\$ 2,000.00	\$ 42,000.00	\$ 2,934.21	\$ 61,618.41	\$ 2,100.00	\$ 44,100.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	2	\$ 4,500.00	\$ 9,000.00	\$ 5,677.20	\$ 11,354.40	\$ 3,700.00	\$ 7,400.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 3,842.60	\$ 7,685.20	\$ 3,000.00	\$ 6,000.00
				TOTAL=	\$ 1,476,762.50	TOTAL=	\$ 1,539,598.18	TOTAL=	\$ 1,886,595.00

Christopher B. Burke Engineering, Ltd.
 9575 W Higgins Road, Suite 600
 Rosemont, IL 60018

City of Zion
 2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 2

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		CAMPANELLA & SONS, INC.		BOLDER CONTRACTORS, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20101300	TREE CANOPY PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	\$ 500.00	\$ 2,500.00	\$ 330.00	\$ 1,650.00	\$ 200.00	\$ 1,000.00
20200100	EARTH EXCAVATION	CU YD	775	\$ 30.00	\$ 23,250.00	\$ 54.91	\$ 42,555.25	\$ 40.00	\$ 31,000.00
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	85	\$ 50.00	\$ 4,250.00	\$ 54.91	\$ 4,667.35	\$ 50.00	\$ 4,250.00
20400800	FURNISHED EXCAVATION	CU YD	160	\$ 40.00	\$ 6,400.00	\$ 0.01	\$ 1.60	\$ 18.00	\$ 2,880.00
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	2300	\$ 35.00	\$ 80,500.00	\$ 78.80	\$ 181,240.00	\$ 20.00	\$ 46,000.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	413	\$ 2.50	\$ 1,032.50	\$ 2.00	\$ 826.00	\$ 4.00	\$ 1,652.00
28000510	INLET FILTERS	EACH	12	\$ 150.00	\$ 1,800.00	\$ 185.00	\$ 2,220.00	\$ 200.00	\$ 2,400.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	150	\$ 40.00	\$ 6,000.00	\$ 185.00	\$ 27,750.00	\$ 70.00	\$ 10,500.00
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3750	\$ 15.00	\$ 56,250.00	\$ 75.30	\$ 282,375.00	\$ 15.00	\$ 56,250.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	57	\$ 250.00	\$ 14,250.00	\$ 8.35	\$ 475.95	\$ 1.00	\$ 57.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	447	\$ 100.00	\$ 44,700.00	\$ 136.50	\$ 61,015.50	\$ 120.00	\$ 53,640.00
40603205	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5.N50	TON	45	\$ 120.00	\$ 5,400.00	\$ 177.20	\$ 7,974.00	\$ 445.00	\$ 20,025.00
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1395	\$ 100.00	\$ 139,500.00	\$ 105.00	\$ 146,175.00	\$ 101.00	\$ 139,535.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	50	\$ 80.00	\$ 4,000.00	\$ 145.70	\$ 7,285.00	\$ 101.00	\$ 5,050.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	580	\$ 20.00	\$ 11,600.00	\$ 16.30	\$ 9,454.00	\$ 10.00	\$ 5,800.00
*42400800	DETECTABLE WARNINGS	SQ FT	180	\$ 50.00	\$ 9,000.00	\$ 36.75	\$ 6,615.00	\$ 33.00	\$ 5,940.00
*44000100	PAVEMENT REMOVAL	SQ YD	4350	\$ 15.00	\$ 65,250.00	\$ 9.06	\$ 39,411.00	\$ 15.00	\$ 65,250.00
44000600	SIDEWALK REMOVAL	SQ FT	350	\$ 5.00	\$ 1,750.00	\$ 6.92	\$ 2,422.00	\$ 2.00	\$ 700.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	70	\$ 60.00	\$ 4,200.00	\$ 194.25	\$ 13,597.50	\$ 130.00	\$ 9,100.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	160	\$ 115.00	\$ 18,400.00	\$ 95.18	\$ 15,228.80	\$ 265.00	\$ 42,400.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	3360	\$ 120.00	\$ 403,200.00	\$ 108.62	\$ 365,635.20	\$ 304.00	\$ 1,021,440.00
*56105000	GATE VALVES 8"	EACH	7	\$ 2,500.00	\$ 17,500.00	\$ 2,055.00	\$ 14,385.00	\$ 2,000.00	\$ 14,000.00
*56400500	FIRE HYDRANTS TO BE REMOVED AND SALVAGED	EACH	5	\$ 750.00	\$ 3,750.00	\$ 1,105.00	\$ 5,525.00	\$ 600.00	\$ 3,000.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7	\$ 6,000.00	\$ 42,000.00	\$ 6,916.50	\$ 48,415.50	\$ 6,000.00	\$ 42,000.00
*60603800	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	520	\$ 30.00	\$ 15,600.00	\$ 46.86	\$ 24,367.20	\$ 50.00	\$ 26,000.00
67100100	MOBILIZATION	L. SUM	0.75	\$ 50,000.00	\$ 37,500.00	\$ 121,063.34	\$ 90,790.01	\$ 20,000.00	\$ 15,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	0.75	\$ 10,000.00	\$ 7,500.00	\$ 6,464.80	\$ 4,848.60	\$ 20,000.00	\$ 15,000.00
*NA	AGGREGATE DRIVEWAYS REMOVAL & REPLACEMENT	SQ YD	343	\$ 40.00	\$ 13,720.00	\$ 22.40	\$ 7,683.20	\$ 23.00	\$ 7,889.00
*NA	AS-BUILT DRAWINGS	L. SUM	0.75	\$ 5,000.00	\$ 3,750.00	\$ 3,850.00	\$ 2,887.50	\$ 4,000.00	\$ 3,000.00
*NA	CONSTRUCTION LAYOUT	L. SUM	0.75	\$ 10,000.00	\$ 7,500.00	\$ 14,300.00	\$ 10,725.00	\$ 10,000.00	\$ 7,500.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	2030	\$ 100.00	\$ 203,000.00	\$ 42.40	\$ 86,072.00	\$ 41.00	\$ 83,230.00
*NA	CURED-IN-PLACE SEWER LINING, 12"	FOOT	580	\$ 110.00	\$ 63,800.00	\$ 54.70	\$ 31,726.00	\$ 53.00	\$ 30,740.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	629	\$ 70.00	\$ 44,030.00	\$ 78.83	\$ 49,584.07	\$ 70.00	\$ 44,030.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	2688	\$ 3.00	\$ 8,064.00	\$ 10.90	\$ 29,299.20	\$ 7.00	\$ 18,816.00
*NA	PRIVATE WATER SERVICE ASBESTOS ABATEMENT	EACH	9	\$ 2,500.00	\$ 22,500.00	\$ 1,000.00	\$ 9,000.00	\$ 1,000.00	\$ 9,000.00
*NA	WATER SERVICE INTERIOR RESTORATION	EACH	9	\$ 5,000.00	\$ 45,000.00	\$ 500.00	\$ 4,500.00	\$ 1,500.00	\$ 13,500.00
*NA	WATER SERVICE LINE (PRIVATE) - LEAD SERVICE REPLACEMENT	EACH	9	\$ 2,500.00	\$ 22,500.00	\$ 4,200.00	\$ 37,800.00	\$ 10,000.00	\$ 90,000.00
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	0.75	\$ 2,000.00	\$ 1,500.00	\$ 1,600.00	\$ 1,200.00	\$ 1,000.00	\$ 750.00
*NA	PRESSURE CONNECTION 8"	EACH	1	\$ 5,000.00	\$ 5,000.00	\$ 6,660.25	\$ 6,660.25	\$ 7,000.00	\$ 7,000.00
*NA	PRESSURE CONNECTION 8"	EACH	6	\$ 6,000.00	\$ 36,000.00	\$ 6,824.65	\$ 40,947.90	\$ 7,800.00	\$ 46,800.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	6	\$ 1,500.00	\$ 9,000.00	\$ 570.00	\$ 3,420.00	\$ 2,500.00	\$ 15,000.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	13	\$ 500.00	\$ 6,500.00	\$ 400.00	\$ 5,200.00	\$ 600.00	\$ 7,800.00
*NA	STRUCTURES TO BE RECONSTRUCTED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 2,990.00	\$ 5,980.00	\$ 2,100.00	\$ 4,200.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	0.75	\$ 15,000.00	\$ 11,250.00	\$ 6,820.00	\$ 5,115.00	\$ 20,000.00	\$ 15,000.00
*NA	TREE ROOT PRUNING	EACH	14	\$ 500.00	\$ 7,000.00	\$ 121.00	\$ 1,694.00	\$ 200.00	\$ 2,800.00
*NA	TREE PROTECTION FENCING	EACH	13	\$ 10.00	\$ 130.00	\$ 266.35	\$ 3,462.55	\$ 200.00	\$ 2,600.00
*NA	VALVE BOX 8"	EACH	7	\$ 4,000.00	\$ 28,000.00	\$ 510.00	\$ 3,570.00	\$ 700.00	\$ 4,900.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	5	\$ 2,500.00	\$ 12,500.00	\$ 1,546.00	\$ 7,730.00	\$ 700.00	\$ 3,500.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	6	\$ 1,500.00	\$ 9,000.00	\$ 3,811.00	\$ 22,866.00	\$ 3,500.00	\$ 21,000.00
*NA	WATER MAIN REMOVAL 6"	FOOT	60	\$ 25.00	\$ 1,500.00	\$ 25.00	\$ 1,500.00	\$ 35.00	\$ 2,100.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1" (LONG SIDE)	EACH	47	\$ 2,500.00	\$ 117,500.00	\$ 3,897.53	\$ 183,183.91	\$ 2,800.00	\$ 131,600.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1" (SHORT SIDE)	EACH	29	\$ 2,000.00	\$ 58,000.00	\$ 2,910.66	\$ 84,406.24	\$ 2,100.00	\$ 60,900.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	2	\$ 4,500.00	\$ 9,000.00	\$ 5,766.80	\$ 11,533.60	\$ 3,700.00	\$ 7,400.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 4,197.78	\$ 8,395.56	\$ 3,000.00	\$ 6,000.00
				TOTAL=	\$ 1,776,326.50	TOTAL=	\$ 2,067,047.44	TOTAL=	\$ 2,282,224.00

Christopher B. Burke Engineering, Ltd.
9575 W Higgins Road, Suite 600
Rosemont, IL 60018

City of Zion
2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 3

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		CAMPANELLA & SONS, INC.		BOLDER CONTRACTORS, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20101300	TREE CANOPY PRUNING (1 TO 10 INCH DIAMETER)	EACH	6	\$ 500.00	\$ 3,000.00	\$ 330.00	\$ 1,980.00	\$ 200.00	\$ 1,200.00
20200100	EARTH EXCAVATION	CU YD	1025	\$ 30.00	\$ 30,750.00	\$ 45.41	\$ 46,545.25	\$ 40.00	\$ 41,000.00
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	110	\$ 50.00	\$ 5,500.00	\$ 45.41	\$ 4,995.10	\$ 50.00	\$ 5,500.00
20400900	FURNISHED EXCAVATION	CU YD	235	\$ 40.00	\$ 9,400.00	\$ 0.01	\$ 2.35	\$ 18.00	\$ 4,230.00
20800150	TRENCH BACKFILL, SPECIAL	CU YD	2750	\$ 35.00	\$ 96,250.00	\$ 78.80	\$ 216,700.00	\$ 20.00	\$ 55,000.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	500	\$ 2.50	\$ 1,250.00	\$ 2.00	\$ 1,000.00	\$ 4.00	\$ 2,000.00
28000510	INLET FILTERS	EACH	13	\$ 150.00	\$ 1,950.00	\$ 185.00	\$ 2,405.00	\$ 200.00	\$ 2,600.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	180	\$ 40.00	\$ 7,200.00	\$ 80.54	\$ 14,497.20	\$ 70.00	\$ 12,600.00
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4665	\$ 15.00	\$ 69,975.00	\$ 9.14	\$ 42,638.10	\$ 15.00	\$ 69,975.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	67	\$ 250.00	\$ 16,750.00	\$ 281.20	\$ 18,840.40	\$ 1.00	\$ 67.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	524	\$ 100.00	\$ 52,400.00	\$ 136.50	\$ 71,526.00	\$ 120.00	\$ 62,880.00
40603205	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5,N50	TON	45	\$ 120.00	\$ 5,400.00	\$ 177.20	\$ 7,974.00	\$ 445.00	\$ 20,025.00
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1610	\$ 100.00	\$ 161,000.00	\$ 105.90	\$ 169,050.00	\$ 101.00	\$ 162,610.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	50	\$ 80.00	\$ 4,000.00	\$ 145.70	\$ 7,285.00	\$ 101.00	\$ 5,050.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	680	\$ 20.00	\$ 13,600.00	\$ 16.30	\$ 11,084.00	\$ 10.00	\$ 6,800.00
*42400800	DETECTABLE WARNINGS	SQ FT	210	\$ 50.00	\$ 10,500.00	\$ 36.75	\$ 7,717.50	\$ 33.00	\$ 6,930.00
*44000100	PAVEMENT REMOVAL	SQ YD	5265	\$ 15.00	\$ 78,975.00	\$ 8.51	\$ 44,805.15	\$ 15.00	\$ 78,975.00
44000600	SIDEWALK REMOVAL	SQ FT	450	\$ 5.00	\$ 2,250.00	\$ 8.43	\$ 3,793.50	\$ 2.00	\$ 900.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	70	\$ 60.00	\$ 4,200.00	\$ 194.25	\$ 13,597.50	\$ 130.00	\$ 9,100.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	180	\$ 115.00	\$ 20,700.00	\$ 94.33	\$ 16,978.40	\$ 266.00	\$ 47,880.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	3995	\$ 120.00	\$ 479,400.00	\$ 108.71	\$ 434,296.45	\$ 308.00	\$ 1,230,460.00
*56105000	GATE VALVES 8"	EACH	8	\$ 2,500.00	\$ 20,000.00	\$ 1,950.00	\$ 15,600.00	\$ 2,000.00	\$ 16,000.00
*56400500	FIRE HYDRANTS TO BE REMOVED AND SALVAGED	EACH	7	\$ 750.00	\$ 5,250.00	\$ 1,105.00	\$ 7,735.00	\$ 600.00	\$ 4,200.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	8	\$ 6,000.00	\$ 48,000.00	\$ 6,905.25	\$ 55,242.00	\$ 6,000.00	\$ 48,000.00
*60603800	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	600	\$ 30.00	\$ 18,000.00	\$ 53.58	\$ 32,148.00	\$ 50.00	\$ 30,000.00
67100100	MOBILIZATION	L SUM	1	\$ 50,000.00	\$ 50,000.00	\$ 99,690.00	\$ 99,690.00	\$ 20,000.00	\$ 20,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L SUM	1	\$ 10,000.00	\$ 10,000.00	\$ 4,848.60	\$ 4,848.60	\$ 20,000.00	\$ 20,000.00
*NA	AGGREGATE DRIVEWAYS REMOVAL & REPLACEMENT	SQ YD	358	\$ 40.00	\$ 14,320.00	\$ 31.06	\$ 11,119.48	\$ 23.00	\$ 8,234.00
*NA	AS-BUILT DRAWINGS	L SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 3,850.00	\$ 3,850.00	\$ 4,000.00	\$ 4,000.00
*NA	CONSTRUCTION LAYOUT	L SUM	1	\$ 10,000.00	\$ 10,000.00	\$ 14,300.00	\$ 14,300.00	\$ 10,000.00	\$ 10,000.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	2710	\$ 100.00	\$ 271,000.00	\$ 40.75	\$ 110,432.50	\$ 39.00	\$ 105,690.00
*NA	CURED-IN-PLACE SEWER LINING, 12"	FOOT	580	\$ 110.00	\$ 63,800.00	\$ 54.70	\$ 31,726.00	\$ 53.00	\$ 30,740.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	810	\$ 70.00	\$ 56,700.00	\$ 77.17	\$ 62,507.70	\$ 70.00	\$ 56,700.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	3005	\$ 3.00	\$ 9,015.00	\$ 10.90	\$ 32,754.50	\$ 7.00	\$ 21,035.00
*NA	PRIVATE WATER SERVICE ASBESTOS ABATEMENT	EACH	11	\$ 2,500.00	\$ 27,500.00	\$ 1,000.00	\$ 11,000.00	\$ 1,000.00	\$ 11,000.00
*NA	WATER SERVICE INTERIOR RESTORATION	EACH	11	\$ 5,000.00	\$ 55,000.00	\$ 500.00	\$ 5,500.00	\$ 1,500.00	\$ 16,500.00
*NA	WATER SERVICE LINE (PRIVATE) - LEAD SERVICE REPLACEMENT	EACH	11	\$ 2,500.00	\$ 27,500.00	\$ 4,200.00	\$ 46,200.00	\$ 10,000.00	\$ 110,000.00
*NA	PRECONSTRUCTION VIDEO TAPING	L SUM	1	\$ 2,000.00	\$ 2,000.00	\$ 1,600.00	\$ 1,600.00	\$ 1,000.00	\$ 1,000.00
*NA	PRESSURE CONNECTION 6"	EACH	1	\$ 5,000.00	\$ 5,000.00	\$ 6,660.25	\$ 6,660.25	\$ 7,000.00	\$ 7,000.00
*NA	PRESSURE CONNECTION 8"	EACH	7	\$ 6,000.00	\$ 42,000.00	\$ 6,824.65	\$ 47,772.55	\$ 7,800.00	\$ 54,600.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	8	\$ 1,500.00	\$ 12,000.00	\$ 570.00	\$ 4,560.00	\$ 2,500.00	\$ 20,000.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	14	\$ 500.00	\$ 7,000.00	\$ 400.00	\$ 5,600.00	\$ 600.00	\$ 8,400.00
*NA	STRUCTURES TO BE RECONSTRUCTED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 2,990.00	\$ 5,980.00	\$ 2,100.00	\$ 4,200.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$ 15,000.00	\$ 15,000.00	\$ 5,225.00	\$ 5,225.00	\$ 20,000.00	\$ 20,000.00
*NA	TREE ROOT PRUNING	EACH	17	\$ 500.00	\$ 8,500.00	\$ 121.00	\$ 2,057.00	\$ 200.00	\$ 3,400.00
*NA	TREE PROTECTION FENCING	EACH	19	\$ 10.00	\$ 190.00	\$ 266.35	\$ 5,060.65	\$ 200.00	\$ 3,800.00
*NA	VALVE BOX, 8"	EACH	8	\$ 4,000.00	\$ 32,000.00	\$ 510.00	\$ 4,080.00	\$ 700.00	\$ 5,600.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 1,546.00	\$ 9,276.00	\$ 700.00	\$ 4,200.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	7	\$ 1,500.00	\$ 10,500.00	\$ 3,811.00	\$ 26,677.00	\$ 3,500.00	\$ 24,500.00
*NA	WATER MAIN REMOVAL 6"	FOOT	70	\$ 25.00	\$ 1,750.00	\$ 25.00	\$ 1,750.00	\$ 35.00	\$ 2,450.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1' (LONG SIDE)	EACH	57	\$ 2,500.00	\$ 142,500.00	\$ 3,895.10	\$ 222,020.70	\$ 2,800.00	\$ 159,600.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1' (SHORT SIDE)	EACH	40	\$ 2,000.00	\$ 80,000.00	\$ 2,922.19	\$ 116,887.60	\$ 2,100.00	\$ 84,000.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5' (LONG SIDE)	EACH	2	\$ 4,500.00	\$ 9,000.00	\$ 5,766.80	\$ 11,533.60	\$ 3,700.00	\$ 7,400.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5' (SHORT SIDE)	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 4,247.20	\$ 8,494.40	\$ 3,000.00	\$ 6,000.00
				TOTAL=	\$ 2,157,475.00	TOTAL=	\$ 2,167,600.43	TOTAL=	\$ 2,754,031.00