Engineer's Estimate of Project Costs

Project: Mark Drive Sanitary Sewer Improvements NID
Jefferson County, Missouri
Trumpet #: 10 03 0003

ITEM NO.	DESCRIPTION OF ITEM	UNITS	TOTAL CONTRACT			ENGINEERS ESTIMATE		All Type Grading	
			QNTY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
101	Clearing and Grubbing	Acre	1.4	$ -	$ -	$ 2,500.00	$ 3,500.00	$ 17,000.00	$ 23,800.00
102	8" PVC Gravity Sewer	Lin.Ft	4094	$ -	$ -	$ 21.50	$ 88,030.00	$ 15.00	$ 61,410.00
103	6" PVC Gravity Sewer	Lin.Ft	350	$ -	$ -	$ 15.00	$ 5,250.00	$ 12.00	$ 4,200.00
104	4" PVC Gravity Sewer	Lin.Ft	2625	$ -	$ -	$ 12.00	$ 31,500.00	$ 10.00	$ 26,250.00
105	Sanitary Manholes	Ea.	24	$ -	$ -	$ 2,100.00	$ 50,400.00	$ 1,200.00	$ 28,800.00
106	Drop Manholes	Ea.	2	$ -	$ -	$ 2,500.00	$ 5,000.00	$ 1,200.00	$ 2,400.00
107	Lamp Holes	Ea.	5	$ -	$ -	$ 500.00	$ 2,500.00	$ 150.00	$ 750.00
108	Break into Terminal Manhole	Ea.	2	$ -	$ -	$ 2,100.00	$ 4,200.00	$ 1,500.00	$ 3,000.00
109	Wye Connections	Ea.	37	$ -	$ -	$ 242.00	$ 8,960.00	$ 150.00	$ 5,550.00
110	Service Connections	Ea.	37	$ -	$ -	$ 1,250.00	$ 46,250.00	$ 250.00	$ 9,250.00
111	Rock Excavation (Class "B" Loose)	CY	750	$ -	$ -	$ 30.00	$ 22,500.00	$ 50.00	$ 37,500.00
112	Concrete Encasement	Lin.Ft	20	$ -	$ -	$ 40.00	$ 800.00	$ 20.00	$ 400.00
113	Full Depth Granular Backfill	Tons	368	$ -	$ -	$ 11.00	$ 4,050.00	$ 14.00	$ 5,152.00
114	Restrained Joint Piping (>20% Grade)	Lin.Ft	99	$ -	$ -	$ 11.50	$ 1,140.00	$ 14.00	$ 1,386.00
115	Septic Tank Sludge Removal	Ea.	34	$ -	$ -	$ 200.00	$ 6,800.00	$ 200.00	$ 6,800.00
116	Septic Tank Abandonment	Ea.	34	$ -	$ -	$ 280.00	$ 9,520.00	$ 200.00	$ 6,800.00
117	Lateral Connection (5' From House)	Ea.	34	$ -	$ -	$ 825.00	$ 28,050.00	$ 200.00	$ 6,800.00
118	Lot Restoration	Ea.	34	$ -	$ -	$ 240.00	$ 8,160.00	$ 500.00	$ 17,000.00
119	Ashpalt Drive Repair - 3" Type "X" Asphalt	SY	102.8	$ -	$ -	$ 10.00	$ 1,030.00	$ 35.00	$ 3,598.00
120	Street and Drive Repair - 7" Type "X" Asphalt	SY	50.6	$ -	$ -	$ 20.93	$ 1,060.00	$ 70.00	$ 3,542.00
121	Street and Driveway Repair - 6" Concrete (Reinf.)	SY	13.3	$ -	$ -	$ 35.00	$ 470.00	$ 65.00	$ 864.50
122	Street and Driveway Repair - Full Depth Saw Cut	Lin.Ft	606	$ -	$ -	$ 10.00	$ 6,060.00	$ 4.50	$ 2,727.00
123	Concrete Sidewalk - 4" Concrete	Lin.Ft	100	$ -	$ -	$ 24.00	$ 2,400.00	$ 6.00	$ 600.00
124	Traffic Control	LS	LS	$ -	$ -	$ 1,000.00	$ 1,000.00	$ 2,000.00	$ 2,000.00
125	Temporary Surfacing Material	LS	LS	$ -	$ -	$ 500.00	$ 500.00	$ 1,500.00	$ 1,500.00
126	Contractor Construction Staking	LS	LS	$ -	$ -	$ 3,500.00	$ 3,500.00	$ 3,000.00	$ 3,000.00
127	Mobilization	LS	LS	$ -	$ -	$ 5,000.00	$ 5,000.00	$ 12,768.00	$ 12,768.00
TOTAL					**$0.00**		**$347,630.00**		**$277,847.50**
	Bid Bond					-		5%	
	Total Project Budget				**$0.00**				

MISTAKE IN CLEARING & GRUBBING
INCREASED BID SLIGHTLY

Engineer's Estimate of Project Costs

Project: Mark Drive Sanitary Sewer Improvements NID
Jefferson County, Missouri
Trumpet #: 10 03 0003

ITEM NO.	DESCRIPTION OF ITEM	UNITS	TOTAL CONTRACT			Unnerstall Contracting Co. Inc		CE Contracting, Inc.	
			QNTY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
101	Clearing and Grubbing	Acre	1.4	$ -	$ -	$ 7,857.14	$ 11,000.00	$ 17,500.00	$ 24,500.00
102	8" PVC Gravity Sewer	Lin.Ft	4094	$ -	$ -	$ 27.45	$ 112,380.30	$ 35.00	$ 143,290.00
103	6" PVC Gravity Sewer	Lin.Ft	350	$ -	$ -	$ 24.00	$ 8,400.00	$ 28.00	$ 9,800.00
104	4" PVC Gravity Sewer	Lin.Ft	2625	$ -	$ -	$ 23.00	$ 60,375.00	$ 19.30	$ 50,662.50
105	Sanitary Manholes	Ea.	24	$ -	$ -	$ 1,650.00	$ 39,600.00	$ 1,530.00	$ 36,720.00
106	Drop Manholes	Ea.	2	$ -	$ -	$ 1,900.00	$ 3,800.00	$ 2,290.00	$ 4,580.00
107	Lamp Holes	Ea.	5	$ -	$ -	$ 500.00	$ 2,500.00	$ 600.00	$ 3,000.00
108	Break into Terminal Manhole	Ea.	2	$ -	$ -	$ 1,200.00	$ 2,400.00	$ 600.00	$ 1,200.00
109	Wye Connections	Ea.	37	$ -	$ -	$ 100.00	$ 3,700.00	$ 125.00	$ 4,625.00
110	Service Connections	Ea.	37	$ -	$ -	$ 500.00	$ 18,500.00	$ 90.00	$ 3,330.00
111	Rock Excavation (Class "B" Loose)	CY	750	$ -	$ -	$ 5.00	$ 3,750.00	$ 1.00	$ 750.00
112	Concrete Encasement	Lin.Ft	20	$ -	$ -	$ 100.00	$ 2,000.00	$ 50.00	$ 1,000.00
113	Full Depth Granular Backfill	Tons	368	$ -	$ -	$ 28.00	$ 10,304.00	$ 60.00	$ 22,080.00
114	Restrained Joint Piping (>20% Grade)	Lin.Ft	99	$ -	$ -	$ 45.00	$ 4,455.00	$ 75.00	$ 7,425.00
115	Septic Tank Sludge Removal	Ea.	34	$ -	$ -	$ 500.00	$ 17,000.00	$ 225.00	$ 7,650.00
116	Septic Tank Abandonment	Ea.	34	$ -	$ -	$ 750.00	$ 25,500.00	$ 300.00	$ 10,200.00
117	Lateral Connection (5' From House)	Ea.	34	$ -	$ -	$ 100.00	$ 3,400.00	$ 150.00	$ 5,100.00
118	Lot Restoration	Ea.	34	$ -	$ -	$ 250.00	$ 8,500.00	$ 1,000.00	$ 34,000.00
119	Ashpalt Drive Repair - 3" Type "X" Asphalt	SY	102.8	$ -	$ -	$ 55.00	$ 5,654.00	$ 48.50	$ 4,985.80
120	Street and Drive Repair - 7" Type "X" Asphalt	SY	50.6	$ -	$ -	$ 62.00	$ 3,137.20	$ 450.00	$ 22,770.00
121	Street and Driveway Repair - 6" Concrete (Reinf.)	SY	13.3	$ -	$ -	$ 60.00	$ 798.00	$ 75.00	$ 997.50
122	Street and Driveway Repair - Full Depth Saw Cut	Lin.Ft	606	$ -	$ -	$ 7.00	$ 4,242.00	$ 2.50	$ 1,515.00
123	Concrete Sidewalk - 4" Concrete	Lin.Ft	100	$ -	$ -	$ 40.00	$ 4,000.00	$ 30.00	$ 3,000.00
124	Traffic Control	LS	LS	$ -	$ -	$ 1,500.00	$ 1,500.00	$ 5,000.00	$ 5,000.00
125	Temporary Surfacing Material	LS	LS	$ -	$ -	$ 1,000.00	$ 1,000.00	$ 2,000.00	$ 2,000.00
126	Contractor Construction Staking	LS	LS	$ -	$ -	$ 9,000.00	$ 9,000.00	$ 5,000.00	$ 5,000.00
127	Mobilization	LS	LS	$ -	$ -	$ 31,100.00	$ 31,100.00	$ 50,750.00	$ 50,750.00
TOTAL					**$0.00**		**$397,995.50**		**$465,930.80**
	Bid Bond					5%		5%	
	Total Project Budget				**$0.00**				

Engineer's Estimate of Project Costs

Project: Mark Drive Sanitary Sewer Improvements NID
Jefferson County, Missouri
Trumpet #: 10 03 0003

ITEM NO.	DESCRIPTION OF ITEM	UNITS	TOTAL CONTRACT			Vern Bauman Contracting		R&K Excavation	
			QNTY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
101	Clearing and Grubbing	Acre	1.4	$ -	$ -	$ 8,250.00	$ 11,550.00	$ 11,576.25	$ 16,206.75
102	8" PVC Gravity Sewer	Lin.Ft	4094	$ -	$ -	$ 32.50	$ 133,055.00	$ 31.42	$ 128,633.48
103	6" PVC Gravity Sewer	Lin.Ft	350	$ -	$ -	$ 25.00	$ 8,750.00	$ 29.22	$ 10,227.00
104	4" PVC Gravity Sewer	Lin.Ft	2625	$ -	$ -	$ 22.00	$ 57,750.00	$ 27.56	$ 72,345.00
105	Sanitary Manholes	Ea.	24	$ -	$ -	$ 1,895.00	$ 45,480.00	$ 1,874.25	$ 44,982.00
106	Drop Manholes	Ea.	2	$ -	$ -	$ 2,100.00	$ 4,200.00	$ 2,260.13	$ 4,520.26
107	Lamp Holes	Ea.	5	$ -	$ -	$ 350.00	$ 1,750.00	$ 826.88	$ 4,134.40
108	Break into Terminal Manhole	Ea.	2	$ -	$ -	$ 650.00	$ 1,300.00	$ 661.50	$ 1,323.00
109	Wye Connections	Ea.	37	$ -	$ -	$ 100.00	$ 3,700.00	$ 275.63	$ 10,198.31
110	Service Connections	Ea.	37	$ -	$ -	$ 355.00	$ 13,135.00	$ 275.63	$ 10,198.31
111	Rock Excavation (Class "B" Loose)	CY	750	$ -	$ -	$ 145.00	$ 108,750.00	$ 38.59	$ 28,942.50
112	Concrete Encasement	Lin.Ft	20	$ -	$ -	$ 90.00	$ 1,800.00	$ 77.18	$ 1,543.60
113	Full Depth Granular Backfill	Tons	368	$ -	$ -	$ 16.00	$ 5,888.00	$ 22.05	$ 8,114.40
114	Restrained Joint Piping (>20% Grade)	Lin.Ft	99	$ -	$ -	$ 70.00	$ 6,930.00	$ 17.64	$ 1,746.36
115	Septic Tank Sludge Removal	Ea.	34	$ -	$ -	$ 250.00	$ 8,500.00	$ 496.13	$ 16,868.42
116	Septic Tank Abandonment	Ea.	34	$ -	$ -	$ 215.00	$ 7,310.00	$ 551.25	$ 18,742.50
117	Lateral Connection (5' From House)	Ea.	34	$ -	$ -	$ 150.00	$ 5,100.00	$ 441.00	$ 14,994.00
118	Lot Restoration	Ea.	34	$ -	$ -	$ 400.00	$ 13,600.00	$ 1,323.00	$ 44,982.00
119	Ashpalt Drive Repair - 3" Type "X" Asphalt	SY	102.8	$ -	$ -	$ 70.00	$ 7,196.00	$ 30.87	$ 3,173.44
120	Street and Drive Repair - 7" Type "X" Asphalt	SY	50.6	$ -	$ -	$ 150.00	$ 7,590.00	$ 30.87	$ 1,562.02
121	Street and Driveway Repair - 6" Concrete (Reinf.)	SY	13.3	$ -	$ -	$ 130.00	$ 1,729.00	$ 39.69	$ 527.88
122	Street and Driveway Repair - Full Depth Saw Cut	Lin.Ft	606	$ -	$ -	$ 3.00	$ 1,818.00	$ 4.41	$ 2,672.46
123	Concrete Sidewalk - 4" Concrete	Lin.Ft	100	$ -	$ -	$ 26.80	$ 2,680.00	$ 44.10	$ 4,410.00
124	Traffic Control	LS	LS	$ -	$ -	$ 2,500.00	$ 2,500.00	$ 3,858.75	$ 3,858.75
125	Temporary Surfacing Material	LS	LS	$ -	$ -	$ 1,500.00	$ 1,500.00	$ 3,858.75	$ 3,858.75
126	Contractor Construction Staking	LS	LS	$ -	$ -	$ 6,500.00	$ 6,500.00	$ 10,473.75	$ 10,473.75
127	Mobilization	LS	LS	$ -	$ -	$ 3,500.00	$ 3,500.00	$ 4,851.00	$ 4,851.00
TOTAL					**$0.00**		**$473,561.00**		**$474,090.34**
	Bid Bond					**5%**		**$23,704.52**	**Check No 90748**

Total Project Budget	**$0.00**

Engineer's Estimate of Project Costs

Project: Mark Drive Sanitary Sewer Improvements NID
Jefferson County, Missouri
Trumpet #: 10 03 0003

ITEM NO.	DESCRIPTION OF ITEM	UNITS	TOTAL CONTRACT			J.M. Marschuetz Construction Co.		Els Construction Inc.	
			QNTY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
101	Clearing and Grubbing	Acre	1.4	$ -	$ -	$ 15,000.00	$ 21,000.00	$ 3,100.00	$ 4,340.00
102	8" PVC Gravity Sewer	Lin.Ft	4094	$ -	$ -	$ 21.00	$ 85,974.00	$ 33.60	$ 137,558.40
103	6" PVC Gravity Sewer	Lin.Ft	350	$ -	$ -	$ 18.00	$ 6,300.00	$ 31.10	$ 10,885.00
104	4" PVC Gravity Sewer	Lin.Ft	2625	$ -	$ -	$ 18.00	$ 47,250.00	$ 26.40	$ 69,300.00
105	Sanitary Manholes	Ea.	24	$ -	$ -	$ 1,500.00	$ 36,000.00	$ 2,000.00	$ 48,000.00
106	Drop Manholes	Ea.	2	$ -	$ -	$ 2,614.00	$ 5,228.00	$ 2,200.00	$ 4,400.00
107	Lamp Holes	Ea.	5	$ -	$ -	$ 1,321.00	$ 6,605.00	$ 1,000.00	$ 5,000.00
108	Break into Terminal Manhole	Ea.	2	$ -	$ -	$ 450.00	$ 900.00	$ 3,000.00	$ 6,000.00
109	Wye Connections	Ea.	37	$ -	$ -	$ 300.00	$ 11,100.00	$ 110.00	$ 4,070.00
110	Service Connections	Ea.	37	$ -	$ -	$ 900.00	$ 33,300.00	$ 240.00	$ 8,880.00
111	Rock Excavation (Class "B" Loose)	CY	750	$ -	$ -	$ 35.00	$ 26,250.00	$ 60.00	$ 45,000.00
112	Concrete Encasement	Lin.Ft	20	$ -	$ -	$ 154.00	$ 3,080.00	$ 60.00	$ 1,200.00
113	Full Depth Granular Backfill	Tons	368	$ -	$ -	$ 15.00	$ 5,520.00	$ 15.00	$ 5,520.00
114	Restrained Joint Piping (>20% Grade)	Lin.Ft	99	$ -	$ -	$ 62.00	$ 6,138.00	$ 100.00	$ 9,900.00
115	Septic Tank Sludge Removal	Ea.	34	$ -	$ -	$ 283.00	$ 9,622.00	$ 560.00	$ 19,040.00
116	Septic Tank Abandonment	Ea.	34	$ -	$ -	$ 565.00	$ 19,210.00	$ 200.00	$ 6,800.00
117	Lateral Connection (5' From House)	Ea.	34	$ -	$ -	$ 350.00	$ 11,900.00	$ 610.00	$ 20,740.00
118	Lot Restoration	Ea.	34	$ -	$ -	$ 1,800.00	$ 61,200.00	$ 360.00	$ 12,240.00
119	Ashpalt Drive Repair - 3" Type "X" Asphalt	SY	102.8	$ -	$ -	$ 47.50	$ 4,883.00	$ 100.00	$ 10,280.00
120	Street and Drive Repair - 7" Type "X" Asphalt	SY	50.6	$ -	$ -	$ 53.50	$ 2,707.10	$ 250.00	$ 12,650.00
121	Street and Driveway Repair - 6" Concrete (Reinf.)	SY	13.3	$ -	$ -	$ 74.50	$ 990.85	$ 220.00	$ 2,926.00
122	Street and Driveway Repair - Full Depth Saw Cut	Lin.Ft	606	$ -	$ -	$ 3.00	$ 1,818.00	$ 8.00	$ 4,848.00
123	Concrete Sidewalk - 4" Concrete	Lin.Ft	100	$ -	$ -	$ 19.00	$ 1,900.00	$ 20.00	$ 2,000.00
124	Traffic Control	LS	LS	$ -	$ -	$ 5,000.00	$ 5,000.00	$ 1,500.00	$ 1,500.00
125	Temporary Surfacing Material	LS	LS	$ -	$ -	$ 3,500.00	$ 3,500.00	$ 4,000.00	$ 4,000.00
126	Contractor Construction Staking	LS	LS	$ -	$ -	$ 16,500.00	$ 16,500.00	$ 4,000.00	$ 4,000.00
127	Mobilization	LS	LS	$ -	$ -	$ 56,000.00	$ 56,000.00	$ 32,000.00	$ 32,000.00
TOTAL					**$0.00**		**$489,875.95**		**$493,077.40**
	Bid Bond					5%		5%	

Total Project Budget	**$0.00**

Engineer's Estimate of Project Costs

Project: Mark Drive Sanitary Sewer Improvements NID
Jefferson County, Missouri
Trumpet #: 10 03 0003

			TOTAL CONTRACT			Lamke Trenching & Excavating		J.H. Berra Construction Co. Inc.	
ITEM NO.	**DESCRIPTION OF ITEM**	**UNITS**	**QNTY**	**UNIT PRICE**	**AMOUNT**	**UNIT PRICE**	**AMOUNT**	**UNIT PRICE**	**AMOUNT**
101	Clearing and Grubbing	Acre	1.4	$ -	$ -	$ 10,715.00	$ 15,001.00	$ 21,120.00	$ 29,568.00
102	8" PVC Gravity Sewer	Lin.Ft	4094	$ -	$ -	$ 75.75	$ 310,120.50	$ 47.50	$ 194,465.00
103	6" PVC Gravity Sewer	Lin.Ft	350	$ -	$ -	$ 74.45	$ 26,057.50	$ 44.00	$ 15,400.00
104	4" PVC Gravity Sewer	Lin.Ft	2625	$ -	$ -	$ 41.90	$ 109,987.50	$ 41.00	$ 107,625.00
105	Sanitary Manholes	Ea.	24	$ -	$ -	$ 1,246.25	$ 29,910.00	$ 1,540.00	$ 36,960.00
106	Drop Manholes	Ea.	2	$ -	$ -	$ 1,627.20	$ 3,254.40	$ 1,980.00	$ 3,960.00
107	Lamp Holes	Ea.	5	$ -	$ -	$ 414.20	$ 2,071.00	$ 440.00	$ 2,200.00
108	Break into Terminal Manhole	Ea.	2	$ -	$ -	$ 750.00	$ 1,500.00	$ 990.00	$ 1,980.00
109	Wye Connections	Ea.	37	$ -	$ -	$ 70.25	$ 2,599.25	$ 82.50	$ 3,052.50
110	Service Connections	Ea.	37	$ -	$ -	$ 375.75	$ 13,902.75	$ 275.00	$ 10,175.00
111	Rock Excavation (Class "B" Loose)	CY	750	$ -	$ -	$ 41.50	$ 31,125.00	$ 22.00	$ 16,500.00
112	Concrete Encasement	Lin.Ft	20	$ -	$ -	$ 55.00	$ 1,100.00	$ 44.00	$ 880.00
113	Full Depth Granular Backfill	Tons	368	$ -	$ -	$ 15.50	$ 5,704.00	$ 17.75	$ 6,532.00
114	Restrained Joint Piping (>20% Grade)	Lin.Ft	99	$ -	$ -	$ 32.55	$ 3,222.45	$ 60.50	$ 5,989.50
115	Septic Tank Sludge Removal	Ea.	34	$ -	$ -	$ 350.00	$ 11,900.00	$ 467.50	$ 15,895.00
116	Septic Tank Abandonment	Ea.	34	$ -	$ -	$ 350.00	$ 11,900.00	$ 258.50	$ 8,789.00
117	Lateral Connection (5' From House)	Ea.	34	$ -	$ -	$ 354.65	$ 12,058.10	$ 220.00	$ 7,480.00
118	Lot Restoration	Ea.	34	$ -	$ -	$ 1,200.00	$ 40,800.00	$ 2,200.00	$ 74,800.00
119	Ashpalt Drive Repair - 3" Type "X" Asphalt	SY	102.8	$ -	$ -	$ 50.00	$ 5,140.00	$ 80.00	$ 8,224.00
120	Street and Drive Repair - 7" Type "X" Asphalt	SY	50.6	$ -	$ -	$ 80.00	$ 4,048.00	$ 220.00	$ 11,132.00
121	Street and Driveway Repair - 6" Concrete (Reinf.)	SY	13.3	$ -	$ -	$ 125.00	$ 1,662.50	$ 1,100.00	$ 14,630.00
122	Street and Driveway Repair - Full Depth Saw Cut	Lin.Ft	606	$ -	$ -	$ 6.50	$ 3,939.00	$ 5.00	$ 3,030.00
123	Concrete Sidewalk - 4" Concrete	Lin.Ft	100	$ -	$ -	$ 17.00	$ 1,700.00	$ 1.25	$ 125.00
124	Traffic Control	LS	LS	$ -	$ -	$ 2,500.00	$ 2,500.00	$ 6,545.00	$ 6,545.00
125	Temporary Surfacing Material	LS	LS	$ -	$ -	$ 3,000.00	$ 3,000.00	$ 2,750.00	$ 2,750.00
126	Contractor Construction Staking	LS	LS	$ -	$ -	$ 12,282.00	$ 12,282.00	$ 14,300.00	$ 14,300.00
127	Mobilization	LS	LS	$ -	$ -	$ 13,800.00	$ 13,800.00	$ 130,000.00	$ 130,000.00
TOTAL					**$0.00**		**$680,284.95**	**$**	**732,987.00**
	Bid Bond					**5%**		**5%**	

Total Project Budget	**$0.00**