

Department of Public Utilities
Division of Sewerage and Drainage
Sewers Systems Engineering Section
McDannald Estates Stormwater System Improvements
CIP 610994

ORD#												
Ref.	Spec				Engineer's Estimate		Loveland Excavating of Cols, In		Nickolas Savko & Sons, Inc.		Field's Excavating, Inc.	
No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount
1	201	CLEANING AND GRUBBING	1	LS	8,000.00	8,000.00	29,750.00	29,750.00	30,000.00	30,000.00	43,528.98	43,528.98
2	202	HEADWALL REMOVED	1	EA	2,500.00	2,500.00	175.00	175.00	1,400.00	1,400.00	193.92	193.92
3	202	WALK REMOVED	36	S.F.	3.00	108.00	5.00	180.00	7.00	252.00	7.33	263.88
4	202	MANHOLE REMOVED	1	EA	500.00	500.00	250.00	250.00	350.00	350.00	484.80	484.80
5	202	PIPE REMOVED	6175	L.F.	12.50	77,187.50	5.50	33,962.50	2.70	16,672.50	2.72	16,796.00
6	202	CATCH BASIN REMOVED	43	EA	350.00	15,050.00	130.00	5,590.00	200.00	8,600.00	181.80	7,817.40
7	202	12" PIPE FILLED IN PLACE	289	L.F.	14.00	4,046.00	4.50	1,300.50	11.00	3,179.00	5.46	1,577.94
8	202	15" PIPE FILLED IN PLACE	60	L.F.	15.00	900.00	6.00	360.00	18.00	1,080.00	5.46	327.60
9	202	FENCE REMOVED FOR RE-USE	503	L.F.	5.00	2,515.00	6.00	3,018.00	5.60	2,816.80	16.97	8,535.91
10	202	CONCRETE PAVEMENT REMOVED AND DISPOSED	2893	S.Y.	8.50	24,590.50	8.00	23,144.00	2.00	5,786.00	5.15	14,898.95
11	203	EXCAVATION	2813	C.Y.	12.50	35,162.50	13.00	36,569.00	15.00	42,195.00	4.85	13,643.05
12	203	EMBANKMENT	15	C.Y.	15.00	225.00	25.00	375.00	11.00	165.00	24.24	363.60
13	204	SUBGRADE COMPACTION	2893	S.Y.	2.50	7,232.50	4.00	11,572.00	1.00	2,893.00	1.83	5,294.19
14	207	INLET PROTECTION	102	L.F.	6.00	612.00	65.00	6,630.00	85.00	8,670.00	7.28	742.56
15	207	PERIMETER FILTER FABRIC FENCE	7200	L.F.	2.50	18,000.00	1.50	10,800.00	1.00	7,200.00	1.33	9,576.00
16	207	FILTER FABRIC DITCH CHECK	500	L.F.	3.00	1,500.00	6.00	3,000.00	1.10	550.00	19.39	9,695.00
17	207	SEDIMENT BASINS AND DAMS	15	C.Y.	50.00	750.00	110.00	1,650.00	810.00	12,150.00	363.60	5,454.00
18	252	DRIVEWAY REPLACEMENT, TYPE III-A	52	S.Y.	90.00	4,680.00	42.00	2,184.00	37.00	1,924.00	30.30	1,575.60
19	252	DRIVEWAY REPLACEMENT, TYPE III-B	110	S.Y.	80.00	8,800.00	80.00	8,800.00	43.00	4,730.00	42.42	4,666.20
20	254	PAVEMENT PLANING (1" TO 3")	13912	S.Y.	4.00	55,648.00	1.00	13,912.00	1.00	13,912.00	3.70	51,474.40
21	301	BITUMINOUS AGGREGATE BASE	816	TON	85.00	69,360.00	84.00	68,544.00	99.00	80,784.00	86.29	70,412.64
22	304	AGGREGATE BASE	106	C.Y.	40.00	4,240.00	28.00	2,968.00	35.00	3,710.00	43.63	4,624.78
23	402	ASPHALT CONCRETE	602	TON	90.00	54,180.00	67.00	40,334.00	64.90	39,069.80	89.02	53,590.04
24	404	ASPHALT CONCRETE	1269	TON	92.50	117,382.50	77.00	97,713.00	84.50	107,230.50	91.75	116,430.75
25	407	COVER AGGREGATE	42	TON	25.00	1,050.00	35.00	1,470.00	10.00	420.00	18.18	763.56
26	407	TACK COAT, RUBBER	1396	GAL	2.50	3,490.00	2.00	2,792.00	1.80	2,512.80	2.73	3,811.08
27	418	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	100	L.F.	5.00	500.00	5.00	500.00	2.60	260.00	8.48	848.00
28	452	6" PLAIN PORTLAND CEMENT CONCRETE PAVEMENT	269	S.Y.	42.00	11,298.00	42.00	11,298.00	43.00	11,567.00	42.42	11,410.98
29	601	ROCK CHANNEL PROTECTION TYPE C, WITH FILTER	5	C.Y.	50.00	250.00	80.00	400.00	64.00	320.00	79.99	399.95
30	601	ROCK CHANNEL PROTECTION TYPE B, WITH FILTER	262	C.Y.	55.00	14,410.00	96.00	25,152.00	222.00	58,164.00	43.63	11,431.06
31	602	CONCRETE MASONRY	2.41	C.Y.	425.00	1,024.25	1,550.00	3,735.50	1,500.00	3,615.00	2,617.92	6,309.19
32	604	MANHOLE, TYPE E, WITH GRATE (WITH FLAT SLAB TOP), (AA-S104), (AA-S107)	3	EA	6,500.00	19,500.00	3,725.00	11,175.00	4,900.00	14,700.00	3,969.30	11,907.90
33	604	MANHOLE, TYPE B, CLASS E, WITH GRATE (AA-S101)	1	EA	3,500.00	3,500.00	2,400.00	2,400.00	3,200.00	3,200.00	2,640.95	2,640.95
34	604	MANHOLE,TYPE B, CLASS D, WITH GRATE (AA-S101)	13	EA	3,500.00	45,500.00	2,050.00	26,650.00	2,450.00	31,850.00	2,022.83	26,296.79
35	604	MANHOLE TYPE A, CLASS A, WITH GRATE (AA-S100)	2	EA	3,000.00	6,000.00	1,450.00	2,900.00	1,900.00	3,800.00	1,616.81	3,233.62

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No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount
36	604	MANHOLE TYPE A, CLASS B, WITH GRATE (AA-100)	8	EA	3,000.00	24,000.00	1,450.00	11,600.00	1,900.00	15,200.00	1,545.30	12,362.40
37	604	MANHOLE TYPE A, CLASS C, WITH GRATE (AA-S100)	1	EA	3,000.00	3,000.00	1,300.00	1,300.00	1,800.00	1,800.00	1,344.11	1,344.11
38	604	CATCH BASIN, CB-AA-S133	68	EA	1,900.00	129,200.00	785.00	53,380.00	1,500.00	102,000.00	932.03	63,378.04
39	604	CATCH BASIN, CB-AA-S133, AS PER PLAN	7	EA	2,100.00	14,700.00	915.00	6,405.00	3,400.00	23,800.00	992.63	6,948.41
40	607	FENCE REBUILT, TYPE AS PER PLAN	503	L.F.	14.00	7,042.00	26.00	13,078.00	25.80	12,977.40	38.55	19,390.65
41	608	CONCRETE WALK	36	S.F.	6.00	216.00	8.50	306.00	16.00	576.00	36.36	1,308.96
42	614	MAINTAINING TRAFFIC	1	LS	20,000.00	20,000.00	8,500.00	8,500.00	9,000.00	9,000.00	19,028.40	19,028.40
43	616	WATER	20	M. GAL	50.00	1,000.00	65.00	1,300.00	50.00	1,000.00	19.39	387.80
44	616	CALCIUM CHLORIDE	4	TON	300.00	1,200.00	420.00	1,680.00	260.00	1,040.00	436.32	1,745.28
45	619	FIELD OFFICE, TYPE A	1	LS	12,000.00	12,000.00	5,200.00	5,200.00	12,000.00	12,000.00	9,453.60	9,453.60
46	623	CONSTRUCTION LAYOUT STAKES	1	LS	5,000.00	5,000.00	8,000.00	8,000.00	29,500.00	29,500.00	7,029.60	7,029.60
47	624	MOBILIZATION	1	LS	40,000.00	40,000.00	26,500.00	26,500.00	40,000.00	40,000.00	25,815.60	25,815.60
48	653	TOPSOIL, FURNISHED AND PLACED	1235	C.Y.	30.00	37,050.00	10.00	12,350.00	31.00	38,285.00	34.85	43,039.75
49	659	COMMERCIAL FERTILIZER	2	TON	500.00	1,000.00	680.00	1,360.00	660.00	1,320.00	787.80	1,575.60
50	659	SEEDING AND MULCHING	19000	S.Y.	1.25	23,750.00	0.85	16,150.00	0.80	15,200.00	1.03	19,570.00
51	659	AGRICULTURAL LIMING	8	TON	90.00	720.00	50.00	400.00	50.00	400.00	575.70	4,605.60
52	805	CURB BOX	10	EA	330.00	3,300.00	40.00	400.00	40.00	400.00	84.84	848.40
53	808	RELOCATE 2" WATERLINE	40	L.F.	35.00	1,400.00	45.00	1,800.00	110.00	4,400.00	104.35	4,174.00
54	808	RELOCATE 6" WATERLINE	150	L.F.	60.00	9,000.00	90.00	13,500.00	190.00	28,500.00	114.84	17,226.00
55	816	¾" WATER SERVICE TAP RELOCATED	50	EA	2,100.00	105,000.00	340.00	17,000.00	130.00	6,500.00	1,012.02	50,601.00
56	816	1" WATER SERVICE TAP RELOCATED	5	EA	2,200.00	11,000.00	360.00	1,800.00	170.00	850.00	1,082.32	5,411.60
57	816	1½" WATER SERVICE TAP RELOCATED	5	EA	2,800.00	14,000.00	400.00	2,000.00	290.00	1,450.00	1,308.96	6,544.80
58	816	2" WATER SERVICE TAP RELOCATED	3	EA	3,000.00	9,000.00	450.00	1,350.00	480.00	1,440.00	1,860.42	5,581.26
59	901	76"X48" ELLIPTICAL PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	360	L.F.	325.00	117,000.00	200.00	72,000.00	269.00	96,840.00	253.37	91,213.20
60	901	60"X38" ELLIPTICAL PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	12	L.F.	250.00	3,000.00	140.00	1,680.00	264.00	3,168.00	191.56	2,298.72
61	901	42" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	291	L.F.	135.00	39,285.00	75.00	21,825.00	134.00	38,994.00	122.47	35,638.77
62	901	36" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	506	L.F.	110.00	55,660.00	65.00	32,890.00	119.00	60,214.00	83.22	42,109.32
63	901	36" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	30	L.F.	125.00	3,750.00	80.00	2,400.00	173.00	5,190.00	112.15	3,364.50
64	901	30" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	415	L.F.	100.00	41,500.00	50.00	20,750.00	92.00	38,180.00	74.25	30,813.75
65	901	30" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	153	L.F.	110.00	16,830.00	55.00	8,415.00	105.00	16,065.00	103.99	15,910.47
66	901	27" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	187	L.F.	80.00	14,960.00	50.00	9,350.00	70.00	13,090.00	70.44	13,172.28

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No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount
67	901	27" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	28	L.F.	95.00	2,660.00	55.00	1,540.00	66.00	1,848.00	83.37	2,334.36
68	901	24" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	307	L.F.	70.00	21,490.00	40.00	12,280.00	69.00	21,183.00	76.10	23,362.70
69	901	24" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	208	L.F.	85.00	17,680.00	55.00	11,440.00	80.00	16,640.00	86.94	18,083.52
70	901	18" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	590	L.F.	65.00	38,350.00	34.00	20,060.00	61.00	35,990.00	53.72	31,694.80
71	901	18" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	250	L.F.	75.00	18,750.00	42.00	10,500.00	77.00	19,250.00	82.11	20,527.50
72	901	15" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	472	L.F.	60.00	28,320.00	32.00	15,104.00	48.00	22,656.00	45.41	21,433.52
73	901	15" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	122	L.F.	65.00	7,930.00	38.00	4,636.00	78.00	9,516.00	73.86	9,010.92
74	901	12" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	3066	L.F.	50.00	153,300.00	30.00	91,980.00	48.00	147,168.00	43.58	133,616.28
75	901	12" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	1480	L.F.	55.00	81,400.00	32.50	48,100.00	67.00	99,160.00	68.22	100,965.60
76	901	8" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	20	L.F.	30.00	600.00	30.00	600.00	44.00	880.00	47.22	944.40
77	906	STONE FOUNDATION	20	C.Y.	100.00	2,000.00	43.00	860.00	36.00	720.00	41.21	824.20
78	910	PLAIN CONCRETE ENCASEMENT OF 8 INCH DIAMETER PIPE	20	L.F.	18.00	360.00	8.00	160.00	4.90	98.00	23.03	460.60
79	910	PLAIN CONCRETE ENCASEMENT OF 12 INCH DIAMETER PIPE	1856	L.F.	21.00	38,976.00	8.00	14,848.00	8.40	15,590.40	27.15	50,390.40
80	910	PLAIN CONCRETE ENCASEMENT OF 18 INCH DIAMETER PIPE	115	L.F.	27.00	3,105.00	12.50	1,437.50	11.30	1,299.50	33.94	3,903.10
81	910	PLAIN CONCRETE ENCASEMENT OF 24 INCH DIAMETER PIPE	107	L.F.	32.00	3,424.00	17.50	1,872.50	16.70	1,786.90	41.21	4,409.47
82	910	PLAIN CONCRETE ENCASEMENT OF 27 INCH DIAMETER PIPE	215	L.F.	35.00	7,525.00	20.50	4,407.50	20.30	4,364.50	48.48	10,423.20
83	910	PLAIN CONCRETE ENCASEMENT OF 30 INCH DIAMETER PIPE	71	L.F.	38.00	2,698.00	21.00	1,491.00	30.30	2,151.30	48.48	3,442.08
84	910	PLAIN CONCRETE ENCASEMENT OF 36 INCH DIAMETER PIPE	55	L.F.	43.00	2,365.00	30.00	1,650.00	35.20	1,936.00	59.39	3,266.45
85	SPEC	MAILBOX NON-TYPICAL	3	EA	300.00	900.00	300.00	900.00	500.00	1,500.00	727.20	2,181.60
86	SPEC	MAILBOX SUPPORT (SINGLE)	35	EA	200.00	7,000.00	125.00	4,375.00	50.00	1,750.00	78.78	2,757.30
87	SPEC	HOT APPLIED JOINT SEALER, PER 705.04	100	L.F.	3.00	300.00	5.00	500.00	2.00	200.00	3.63	363.00
88	SPEC	LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS DIRECTED BY THE ENGINEER	40	HR	60.00	2,400.00	70.00	2,800.00	43.90	1,756.00	81.20	3,248.00
89	SPEC	PRELEVELING, AS PER PLAN	778	S.Y.	80.00	62,240.00	1.00	778.00	1.00	778.00	3.63	2,824.14
90	SPEC	PROJECT IDENTIFICATION SIGNS	1	LS	3,000.00	3,000.00	800.00	800.00	780.00	780.00	1,151.40	1,151.40
91	SPEC	GUARDRAIL REMOVED AND RESET	12.5	L.F.	25.00	312.50	130.00	1,625.00	128.00	1,600.00	363.60	4,545.00

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92	SPEC	MANHOLE ADJUSTED TO GRADE, AS DIRECTED BY THE ENGINEER	33	EA	500.00	16,500.00	350.00	11,550.00	100.00	3,300.00	175.74	5,799.42
93	SPEC	CATCH BASIN ADJUSTED TO GRADE, AS DIRECTED BY THE ENGINEER	75	EA	450.00	33,750.00	250.00	18,750.00	95.00	7,125.00	145.44	10,908.00
94	SPEC	NORWAY SPRUCE	2	EA	350.00	700.00	325.00	650.00	153.00	306.00	2,181.60	4,363.20
95	SPEC	SUGAR MAPLE	1	EA	350.00	350.00	375.00	375.00	220.00	220.00	1,272.60	1,272.60
96	SPEC	WHITE PINE	1	EA	350.00	350.00	325.00	325.00	128.00	128.00	1,272.60	1,272.60
97	SPEC	RED MAPLE (RED SUNSET)	1	EA	450.00	450.00	375.00	375.00	204.00	204.00	1,272.60	1,272.60
98	SPEC	RED OAK	4	EA	500.00	2,000.00	375.00	1,500.00	174.00	696.00	1,272.60	5,090.40
99	SPEC	SHINGLE OAK	1	EA	500.00	500.00	375.00	375.00	189.00	189.00	1,272.60	1,272.60
100	SPEC	BRICK LIGHT POST, REMOVED	1	EA	400.00	400.00	300.00	300.00	193.00	193.00	484.80	484.80
101	SPEC	12-INCH TREE REMOVED AS DIRECTED BY THE ENGINEER	1	EA	400.00	400.00	525.00	525.00	500.00	500.00	1,151.40	1,151.40
102	SPEC	SUPPORT OF UTILITY POLES	1	LS	10,000.00	10,000.00	1,500.00	1,500.00	1,500.00	1,500.00	4,969.20	4,969.20
103	SPEC	ANTI-INFILTRATION AND INFLOW BARRIER, PER DETAIL ON SHEET 27/32	28	EA	400.00	11,200.00	50.00	1,400.00	35.00	980.00	163.62	4,581.36
104	SPEC	Force Account (Asphalt Binder Placing index)	1	LS	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
		SUB-TOTAL				1,975,940.25		1,166,292.00		1,579,050.40		1,589,514.86
105	SPEC	Force Account (.20 x sum of all above items)	.20 x (base)	LS		\$395,188.05		\$233,258.40		\$315,810.08		\$317,902.97
		TOTAL PROJECT COSTS				\$2,371,128.30		\$1,399,550.40		\$1,894,860.48		\$1,907,417.83
		% DIFFERENCE FROM ENGINEER'S ESTIMATE						-40.98%		-20.09%		-19.56%
		Bond Amount (Page P-11)						\$139,955.04		\$190,000.00		\$195,000.00
		Bonding Company (Page P-11)						Selective Ins. Co. of America		Ohio Farmers Insurance Company		International Fidelity Insurance
		Proposal Bond Amount Required						\$139,955.04		\$189,486.05		\$190,741.78
		Contract Compliance No. (Page P-2n)						31-1659037		31-0907362		31-1451322
		Non-Collusion Affidavit Completed? (Page P-10)						Yes		Yes		Yes
		Local Vendor? (Page P-3)						No		Yes		No
		Addendum Acknowledgement Completed? (Page P-3)						Yes		Yes		Yes
		Proposal Affidavit Completed? (Page P-15)						Yes		Yes		Yes

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1	201	CLEANING AND GRUBBING	1	LS	8,000.00	8,000.00	30,000.00	30,000.00	35,500.00	35,500.00	23,100.00	23,100.00
2	202	HEADWALL REMOVED	1	EA	2,500.00	2,500.00	500.00	500.00	550.00	550.00	350.00	350.00
3	202	WALK REMOVED	36	S.F.	3.00	108.00	5.00	180.00	2.75	99.00	4.00	144.00
4	202	MANHOLE REMOVED	1	EA	500.00	500.00	500.00	500.00	475.00	475.00	350.00	350.00
5	202	PIPE REMOVED	6175	L.F.	12.50	77,187.50	4.00	24,700.00	3.50	21,612.50	7.16	44,213.00
6	202	CATCH BASIN REMOVED	43	EA	350.00	15,050.00	100.00	4,300.00	400.00	17,200.00	250.00	10,750.00
7	202	12" PIPE FILLED IN PLACE	289	L.F.	14.00	4,046.00	25.00	7,225.00	3.95	1,141.55	27.35	7,904.15
8	202	15" PIPE FILLED IN PLACE	60	L.F.	15.00	900.00	25.00	1,500.00	4.95	297.00	24.15	1,449.00
9	202	FENCE REMOVED FOR RE-USE	503	L.F.	5.00	2,515.00	5.00	2,515.00	10.50	5,281.50	5.78	2,907.34
10	202	CONCRETE PAVEMENT REMOVED AND DISPOSED	2893	S.Y.	8.50	24,590.50	5.00	14,465.00	7.50	21,697.50	2.06	5,959.58
11	203	EXCAVATION	2813	C.Y.	12.50	35,162.50	10.00	28,130.00	10.50	29,536.50	13.81	38,847.53
12	203	EMBANKMENT	15	C.Y.	15.00	225.00	20.00	300.00	25.50	382.50	20.00	300.00
13	204	SUBGRADE COMPACTION	2893	S.Y.	2.50	7,232.50	2.00	5,786.00	1.35	3,905.55	2.00	5,786.00
14	207	INLET PROTECTION	102	L.F.	6.00	612.00	60.00	6,120.00	55.00	5,610.00	69.00	7,038.00
15	207	PERIMETER FILTER FABRIC FENCE	7200	L.F.	2.50	18,000.00	2.00	14,400.00	3.75	27,000.00	1.50	10,800.00
16	207	FILTER FABRIC DITCH CHECK	500	L.F.	3.00	1,500.00	3.00	1,500.00	10.50	5,250.00	5.00	2,500.00
17	207	SEDIMENT BASINS AND DAMS	15	C.Y.	50.00	750.00	100.00	1,500.00	65.00	975.00	100.00	1,500.00
18	252	DRIVEWAY REPLACEMENT, TYPE III-A	52	S.Y.	90.00	4,680.00	60.00	3,120.00	45.00	2,340.00	39.80	2,069.60
19	252	DRIVEWAY REPLACEMENT, TYPE III-B	110	S.Y.	80.00	8,800.00	70.00	7,700.00	95.00	10,450.00	99.96	10,995.60
20	254	PAVEMENT PLANING (1" TO 3")	13912	S.Y.	4.00	55,648.00	1.00	13,912.00	3.65	50,778.80	0.82	11,407.84
21	301	BITUMINOUS AGGREGATE BASE	816	TON	85.00	69,360.00	100.00	81,600.00	80.20	65,443.20	83.00	67,728.00
22	304	AGGREGATE BASE	106	C.Y.	40.00	4,240.00	50.00	5,300.00	48.50	5,141.00	64.07	6,791.42
23	402	ASPHALT CONCRETE	602	TON	90.00	54,180.00	64.00	38,528.00	83.45	50,236.90	66.68	40,141.36
24	404	ASPHALT CONCRETE	1269	TON	92.50	117,382.50	70.00	88,830.00	85.70	108,753.30	72.82	92,408.58
25	407	COVER AGGREGATE	42	TON	25.00	1,050.00	10.00	420.00	16.50	693.00	10.50	441.00
26	407	TACK COAT, RUBBER	1396	GAL	2.50	3,490.00	2.00	2,792.00	2.65	3,699.40	1.84	2,568.64
27	418	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	100	L.F.	5.00	500.00	3.00	300.00	6.75	675.00	2.36	236.00
28	452	6" PLAIN PORTLAND CEMENT CONCRETE PAVEMENT	269	S.Y.	42.00	11,298.00	50.00	13,450.00	45.00	12,105.00	39.90	10,733.10
29	601	ROCK CHANNEL PROTECTION TYPE C, WITH FILTER	5	C.Y.	50.00	250.00	200.00	1,000.00	125.00	625.00	85.00	425.00
30	601	ROCK CHANNEL PROTECTION TYPE B, WITH FILTER	262	C.Y.	55.00	14,410.00	100.00	26,200.00	145.00	37,990.00	105.95	27,758.90
31	602	CONCRETE MASONRY	2.41	C.Y.	425.00	1,024.25	4,000.00	9,640.00	495.00	1,192.95	1,700.00	4,097.00
32	604	MANHOLE, TYPE E, WITH GRATE (WITH FLAT SLAB TOP), (AA-S104), (AA-S107)	3	EA	6,500.00	19,500.00	7,000.00	21,000.00	4,335.00	13,005.00	3,432.60	10,297.80
33	604	MANHOLE, TYPE B, CLASS E, WITH GRATE (AA-S101)	1	EA	3,500.00	3,500.00	5,000.00	5,000.00	3,128.00	3,128.00	2,378.60	2,378.60
34	604	MANHOLE, TYPE B, CLASS D, WITH GRATE (AA-S101)	13	EA	3,500.00	45,500.00	3,500.00	45,500.00	2,284.00	29,692.00	2,027.00	26,351.00
35	604	MANHOLE TYPE A, CLASS A, WITH GRATE (AA-S100)	2	EA	3,000.00	6,000.00	3,000.00	6,000.00	1,693.00	3,386.00	1,660.00	3,320.00

Department of Public Utilities
Division of Sewerage and Drainage
Sewers Systems Engineering Section
McDannald Estates Stormwater System Improvements
CIP 610994

ORD#												
Ref.	Spec				Engineer's Estimate		Elite Excavating Co of OH, Inc.		Tata Excavating, Inc.		John Eramo & Sons, Inc.	
No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount
36	604	MANHOLE TYPE A, CLASS B, WITH GRATE (AA-100)	8	EA	3,000.00	24,000.00	3,000.00	24,000.00	1,273.00	10,184.00	1,472.60	11,780.80
37	604	MANHOLE TYPE A, CLASS C, WITH GRATE (AA-S100)	1	EA	3,000.00	3,000.00	3,000.00	3,000.00	1,334.00	1,334.00	1,333.60	1,333.60
38	604	CATCH BASIN, CB-AA-S133	68	EA	1,900.00	129,200.00	1,500.00	102,000.00	1,079.00	73,372.00	856.16	58,218.88
39	604	CATCH BASIN, CB-AA-S133, AS PER PLAN	7	EA	2,100.00	14,700.00	1,800.00	12,600.00	1,261.00	8,827.00	1,103.16	7,722.12
40	607	FENCE REBUILT, TYPE AS PER PLAN	503	L.F.	14.00	7,042.00	15.00	7,545.00	25.50	12,826.50	26.25	13,203.75
41	608	CONCRETE WALK	36	S.F.	6.00	216.00	15.00	540.00	7.95	286.20	10.00	360.00
42	614	MAINTAINING TRAFFIC	1	LS	20,000.00	20,000.00	20,000.00	20,000.00	25,500.00	25,500.00	15,400.00	15,400.00
43	616	WATER	20	M. GAL	50.00	1,000.00	5.00	100.00	75.00	1,500.00	80.00	1,600.00
44	616	CALCIUM CHLORIDE	4	TON	300.00	1,200.00	300.00	1,200.00	475.00	1,900.00	350.00	1,400.00
45	619	FIELD OFFICE, TYPE A	1	LS	12,000.00	12,000.00	10,000.00	10,000.00	12,500.00	12,500.00	5,000.00	5,000.00
46	623	CONSTRUCTION LAYOUT STAKES	1	LS	5,000.00	5,000.00	10,000.00	10,000.00	14,700.00	14,700.00	11,986.90	11,986.90
47	624	MOBILIZATION	1	LS	40,000.00	40,000.00	35,000.00	35,000.00	15,000.00	15,000.00	27,500.00	27,500.00
48	653	TOPSOIL, FURNISHED AND PLACED	1235	C.Y.	30.00	37,050.00	20.00	24,700.00	38.50	47,547.50	22.09	27,281.15
49	659	COMMERCIAL FERTILIZER	2	TON	500.00	1,000.00	400.00	800.00	550.00	1,100.00	378.00	756.00
50	659	SEEDING AND MULCHING	19000	S.Y.	1.25	23,750.00	4.00	76,000.00	2.15	40,850.00	0.53	10,070.00
51	659	AGRICULTURAL LIMING	8	TON	90.00	720.00	50.00	400.00	450.00	3,600.00	100.00	800.00
52	805	CURB BOX	10	EA	330.00	3,300.00	30.00	300.00	75.00	750.00	75.00	750.00
53	808	RELOCATE 2" WATERLINE	40	L.F.	35.00	1,400.00	100.00	4,000.00	65.00	2,600.00	82.25	3,290.00
54	808	RELOCATE 6" WATERLINE	150	L.F.	60.00	9,000.00	150.00	22,500.00	125.00	18,750.00	131.22	19,683.00
55	816	¾" WATER SERVICE TAP RELOCATED	50	EA	2,100.00	105,000.00	300.00	15,000.00	650.00	32,500.00	803.35	40,167.50
56	816	1" WATER SERVICE TAP RELOCATED	5	EA	2,200.00	11,000.00	350.00	1,750.00	750.00	3,750.00	960.00	4,800.00
57	816	1½" WATER SERVICE TAP RELOCATED	5	EA	2,800.00	14,000.00	450.00	2,250.00	875.00	4,375.00	1,371.40	6,857.00
58	816	2" WATER SERVICE TAP RELOCATED	3	EA	3,000.00	9,000.00	600.00	1,800.00	1,095.00	3,285.00	1,672.00	5,016.00
59	901	76"X48" ELLIPTICAL PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	360	L.F.	325.00	117,000.00	345.00	124,200.00	259.00	93,240.00	224.07	80,665.20
60	901	60"X38" ELLIPTICAL PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	12	L.F.	250.00	3,000.00	350.00	4,200.00	214.70	2,576.40	262.80	3,153.60
61	901	42" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	291	L.F.	135.00	39,285.00	150.00	43,650.00	155.26	45,180.66	128.77	37,472.07
62	901	36" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	506	L.F.	110.00	55,660.00	120.00	60,720.00	138.53	70,096.18	131.70	66,640.20
63	901	36" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	30	L.F.	125.00	3,750.00	130.00	3,900.00	148.53	4,455.90	144.86	4,345.80
64	901	30" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	415	L.F.	100.00	41,500.00	90.00	37,350.00	91.24	37,864.60	103.50	42,952.50
65	901	30" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	153	L.F.	110.00	16,830.00	100.00	15,300.00	111.24	17,019.72	114.16	17,466.48
66	901	27" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	187	L.F.	80.00	14,960.00	85.00	15,895.00	80.80	15,109.60	90.92	17,002.04

Department of Public Utilities
Division of Sewerage and Drainage
Sewers Systems Engineering Section
McDannald Estates Stormwater System Improvements
CIP 610994

ORD#												
Ref.	Spec				Engineer's Estimate		Elite Excavating Co of OH, Inc.		Tata Excavating, Inc.		John Eramo & Sons, Inc.	
No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount
67	901	27" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	28	L.F.	95.00	2,660.00	95.00	2,660.00	95.80	2,682.40	102.42	2,867.76
68	901	24" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	307	L.F.	70.00	21,490.00	75.00	23,025.00	70.13	21,529.91	97.07	29,800.49
69	901	24" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	208	L.F.	85.00	17,680.00	85.00	17,680.00	84.39	17,553.12	107.79	22,420.32
70	901	18" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	590	L.F.	65.00	38,350.00	55.00	32,450.00	62.01	36,585.90	85.94	50,704.60
71	901	18" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	250	L.F.	75.00	18,750.00	65.00	16,250.00	75.01	18,752.50	96.27	24,067.50
72	901	15" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	472	L.F.	60.00	28,320.00	50.00	23,600.00	60.02	28,329.44	94.78	44,736.16
73	901	15" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	122	L.F.	65.00	7,930.00	60.00	7,320.00	69.02	8,420.44	105.86	12,914.92
74	901	12" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	3066	L.F.	50.00	153,300.00	40.00	122,640.00	57.58	176,540.28	85.05	260,763.30
75	901	12" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	1480	L.F.	55.00	81,400.00	50.00	74,000.00	65.68	97,206.40	96.11	142,242.80
76	901	8" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	20	L.F.	30.00	600.00	35.00	700.00	55.18	1,103.60	58.37	1,167.40
77	906	STONE FOUNDATION	20	C.Y.	100.00	2,000.00	50.00	1,000.00	45.00	900.00	40.00	800.00
78	910	PLAIN CONCRETE ENCASEMENT OF 8 INCH DIAMETER PIPE	20	L.F.	18.00	360.00	25.00	500.00	6.93	138.60	3.75	75.00
79	910	PLAIN CONCRETE ENCASEMENT OF 12 INCH DIAMETER PIPE	1856	L.F.	21.00	38,976.00	35.00	64,960.00	8.46	15,701.76	12.74	23,645.44
80	910	PLAIN CONCRETE ENCASEMENT OF 18 INCH DIAMETER PIPE	115	L.F.	27.00	3,105.00	40.00	4,600.00	12.88	1,481.20	20.99	2,413.85
81	910	PLAIN CONCRETE ENCASEMENT OF 24 INCH DIAMETER PIPE	107	L.F.	32.00	3,424.00	50.00	5,350.00	17.98	1,923.86	30.14	3,224.98
82	910	PLAIN CONCRETE ENCASEMENT OF 27 INCH DIAMETER PIPE	215	L.F.	35.00	7,525.00	60.00	12,900.00	20.87	4,487.05	32.56	7,000.40
83	910	PLAIN CONCRETE ENCASEMENT OF 30 INCH DIAMETER PIPE	71	L.F.	38.00	2,698.00	60.00	4,260.00	33.78	2,398.38	39.54	2,807.34
84	910	PLAIN CONCRETE ENCASEMENT OF 36 INCH DIAMETER PIPE	55	L.F.	43.00	2,365.00	80.00	4,400.00	42.76	2,351.80	39.45	2,169.75
85	SPEC	MAILBOX NON-TYPICAL	3	EA	300.00	900.00	100.00	300.00	275.00	825.00	787.50	2,362.50
86	SPEC	MAILBOX SUPPORT (SINGLE)	35	EA	200.00	7,000.00	50.00	1,750.00	145.00	5,075.00	126.00	4,410.00
87	SPEC	HOT APPLIED JOINT SEALER, PER 705.04	100	L.F.	3.00	300.00	2.00	200.00	5.75	575.00	5.25	525.00
88	SPEC	LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS DIRECTED BY THE ENGINEER	40	HR	60.00	2,400.00	75.00	3,000.00	65.00	2,600.00	68.25	2,730.00
89	SPEC	PRELEVELING, AS PER PLAN	778	S.Y.	80.00	62,240.00	1.00	778.00	0.90	700.20	1.05	816.90
90	SPEC	PROJECT IDENTIFICATION SIGNS	1	LS	3,000.00	3,000.00	500.00	500.00	875.00	875.00	787.50	787.50
91	SPEC	GUARDRAIL REMOVED AND RESET	12.5	L.F.	25.00	312.50	130.00	1,625.00	145.00	1,812.50	131.25	1,640.63

Department of Public Utilities
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McDannald Estates Stormwater System Improvements
CIP 610994

ORD#											
Ref.	Spec				Engineer's Estimate	Elite Excavating Co of OH, Inc.	Tata Excavating, Inc.	John Eramo & Sons, Inc.			
No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount	Price
92	SPEC	MANHOLE ADJUSTED TO GRADE, AS DIRECTED BY THE ENGINEER	33	EA	500.00	16,500.00	50.00	1,650.00	175.00	5,775.00	600.00
93	SPEC	CATCH BASIN ADJUSTED TO GRADE, AS DIRECTED BY THE ENGINEER	75	EA	450.00	33,750.00	25.00	1,875.00	150.00	11,250.00	600.00
94	SPEC	NORWAY SPRUCE	2	EA	350.00	700.00	350.00	700.00	395.00	790.00	313.95
95	SPEC	SUGAR MAPLE	1	EA	350.00	350.00	400.00	400.00	435.00	435.00	376.95
96	SPEC	WHITE PINE	1	EA	350.00	350.00	350.00	350.00	395.00	395.00	313.95
97	SPEC	RED MAPLE (RED SUNSET)	1	EA	450.00	450.00	400.00	400.00	415.00	415.00	376.95
98	SPEC	RED OAK	4	EA	500.00	2,000.00	400.00	1,600.00	415.00	1,660.00	376.95
99	SPEC	SHINGLE OAK	1	EA	500.00	500.00	400.00	400.00	415.00	415.00	376.95
100	SPEC	BRICK LIGHT POST, REMOVED	1	EA	400.00	400.00	100.00	100.00	175.00	175.00	248.00
101	SPEC	12-INCH TREE REMOVED AS DIRECTED BY THE ENGINEER	1	EA	400.00	400.00	250.00	250.00	475.00	475.00	1,000.00
102	SPEC	SUPPORT OF UTILITY POLES	1	LS	10,000.00	10,000.00	2,000.00	2,000.00	15,000.00	15,000.00	2,500.00
103	SPEC	ANTI-INFILTRATION AND INFLOW BARRIER, PER DETAIL ON SHEET 27/32	28	EA	400.00	11,200.00	50.00	1,400.00	375.00	10,500.00	100.00
104	SPEC	Force Account (Asphalt Binder Placing index)	1	LS	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
		SUB-TOTAL				1,975,940.25		1,640,186.00		1,704,262.75	
105	SPEC	Force Account (.20 x sum of all above items)	.20 x (base)	LS		\$395,188.05		\$328,037.20		\$340,852.55	
		TOTAL PROJECT COSTS				\$2,371,128.30		\$1,968,223.20		\$2,045,115.30	
		% DIFFERENCE FROM ENGINEER'S ESTIMATE						-16.99%		-13.75%	
		Bond Amount (Page P-11)						\$196,822.32		\$205,000.00	
		Bonding Company (Page P-11)						Travelers Casualty & Surety		Ohio Farmers Insurance	
		Proposal Bond Amount Required						\$196,822.32		\$204,511.53	
		Contract Compliance No. (Page P-2n)						20-1043186		31-0717926	
		Non-Collusion Affidavit Completed? (Page P-10)						Yes		Yes	
		Local Vendor? (Page P-3)						No		Yes	
		Addendum Acknowledgement Completed? (Page P-3)						Yes		Yes	
		Proposal Affidavit Completed? (Page P-15)						Yes		Yes	

Department of Public Utilities
Division of Sewerage and Drainage
Sewers Systems Engineering Section
McDannald Estates Stormwater System Improvements
CIP 610994

ORD#										
Ref.	Spec				Engineer's Estimate		George J. Igel & Co., Inc.		Complete General Construction	
No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount
1	201	CLEANING AND GRUBBING	1	LS	8,000.00	8,000.00	25,000.00	25,000.00	40,000.00	40,000.00
2	202	HEADWALL REMOVED	1	EA	2,500.00	2,500.00	400.00	400.00	500.00	500.00
3	202	WALK REMOVED	36	S.F.	3.00	108.00	6.00	216.00	1.50	54.00
4	202	MANHOLE REMOVED	1	EA	500.00	500.00	370.00	370.00	500.00	500.00
5	202	PIPE REMOVED	6175	L.F.	12.50	77,187.50	12.00	74,100.00	7.00	43,225.00
6	202	CATCH BASIN REMOVED	43	EA	350.00	15,050.00	320.00	13,760.00	400.00	17,200.00
7	202	12" PIPE FILLED IN PLACE	289	L.F.	14.00	4,046.00	8.00	2,312.00	11.00	3,179.00
8	202	15" PIPE FILLED IN PLACE	60	L.F.	15.00	900.00	11.00	660.00	13.00	780.00
9	202	FENCE REMOVED FOR RE-USE	503	L.F.	5.00	2,515.00	6.00	3,018.00	5.50	2,766.50
10	202	CONCRETE PAVEMENT REMOVED AND DISPOSED	2893	S.Y.	8.50	24,590.50	12.00	34,716.00	10.00	28,930.00
11	203	EXCAVATION	2813	C.Y.	12.50	35,162.50	22.00	61,886.00	25.00	70,325.00
12	203	EMBANKMENT	15	C.Y.	15.00	225.00	200.00	3,000.00	20.00	300.00
13	204	SUBGRADE COMPACTION	2893	S.Y.	2.50	7,232.50	1.50	4,339.50	2.00	5,786.00
14	207	INLET PROTECTION	102	L.F.	6.00	612.00	2.00	204.00	8.00	816.00
15	207	PERIMETER FILTER FABRIC FENCE	7200	L.F.	2.50	18,000.00	1.50	10,800.00	1.75	12,600.00
16	207	FILTER FABRIC DITCH CHECK	500	L.F.	3.00	1,500.00	1.50	750.00	2.75	1,375.00
17	207	SEDIMENT BASINS AND DAMS	15	C.Y.	50.00	750.00	100.00	1,500.00	80.00	1,200.00
18	252	DRIVEWAY REPLACEMENT, TYPE III-A	52	S.Y.	90.00	4,680.00	100.00	5,200.00	75.00	3,900.00
19	252	DRIVEWAY REPLACEMENT, TYPE III-B	110	S.Y.	80.00	8,800.00	77.00	8,470.00	100.00	11,000.00
20	254	PAVEMENT PLANING (1" TO 3")	13912	S.Y.	4.00	55,648.00	1.00	13,912.00	1.80	25,041.60
21	301	BITUMINOUS AGGREGATE BASE	816	TON	85.00	69,360.00	80.00	65,280.00	94.00	76,704.00
22	304	AGGREGATE BASE	106	C.Y.	40.00	4,240.00	94.00	9,964.00	65.00	6,890.00
23	402	ASPHALT CONCRETE	602	TON	90.00	54,180.00	64.00	38,528.00	78.00	46,956.00
24	404	ASPHALT CONCRETE	1269	TON	92.50	117,382.50	70.00	88,830.00	82.00	104,058.00
25	407	COVER AGGREGATE	42	TON	25.00	1,050.00	11.00	462.00	55.00	2,310.00
26	407	TACK COAT, RUBBER	1396	GAL	2.50	3,490.00	2.00	2,792.00	1.50	2,094.00
27	418	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	100	L.F.	5.00	500.00	50.00	5,000.00	10.00	1,000.00
28	452	6" PLAIN PORTLAND CEMENT CONCRETE PAVEMENT	269	S.Y.	42.00	11,298.00	48.00	12,912.00	50.00	13,450.00
29	601	ROCK CHANNEL PROTECTION TYPE C, WITH FILTER	5	C.Y.	50.00	250.00	100.00	500.00	90.00	450.00
30	601	ROCK CHANNEL PROTECTION TYPE B, WITH FILTER	262	C.Y.	55.00	14,410.00	65.00	17,030.00	100.00	26,200.00
31	602	CONCRETE MASONRY	2.41	C.Y.	425.00	1,024.25	6,200.00	14,942.00	1,400.00	3,374.00
32	604	MANHOLE, TYPE E, WITH GRATE (WITH FLAT SLAB TOP), (AA-S104), (AA-S107)	3	EA	6,500.00	19,500.00	7,800.00	23,400.00	6,000.00	18,000.00
33	604	MANHOLE, TYPE B, CLASS E, WITH GRATE (AA-S101)	1	EA	3,500.00	3,500.00	3,200.00	3,200.00	4,000.00	4,000.00
34	604	MANHOLE,TYPE B, CLASS D, WITH GRATE (AA-S101)	13	EA	3,500.00	45,500.00	2,800.00	36,400.00	3,600.00	46,800.00
35	604	MANHOLE TYPE A, CLASS A, WITH GRATE (AA-S100)	2	EA	3,000.00	6,000.00	1,800.00	3,600.00	2,800.00	5,600.00

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No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount
36	604	MANHOLE TYPE A, CLASS B, WITH GRATE (AA-100)	8	EA	3,000.00	24,000.00	1,600.00	12,800.00	2,700.00	21,600.00
37	604	MANHOLE TYPE A, CLASS C, WITH GRATE (AA-S100)	1	EA	3,000.00	3,000.00	1,400.00	1,400.00	2,700.00	2,700.00
38	604	CATCH BASIN, CB-AA-S133	68	EA	1,900.00	129,200.00	1,100.00	74,800.00	1,100.00	74,800.00
39	604	CATCH BASIN, CB-AA-S133, AS PER PLAN	7	EA	2,100.00	14,700.00	1,300.00	9,100.00	1,500.00	10,500.00
40	607	FENCE REBUILT, TYPE AS PER PLAN	503	L.F.	14.00	7,042.00	25.00	12,575.00	25.00	12,575.00
41	608	CONCRETE WALK	36	S.F.	6.00	216.00	16.00	576.00	8.00	288.00
42	614	MAINTAINING TRAFFIC	1	LS	20,000.00	20,000.00	32,000.00	32,000.00	10,000.00	10,000.00
43	616	WATER	20	M. GAL	50.00	1,000.00	25.00	500.00	45.00	900.00
44	616	CALCIUM CHLORIDE	4	TON	300.00	1,200.00	300.00	1,200.00	100.00	400.00
45	619	FIELD OFFICE, TYPE A	1	LS	12,000.00	12,000.00	10,000.00	10,000.00	12,500.00	12,500.00
46	623	CONSTRUCTION LAYOUT STAKES	1	LS	5,000.00	5,000.00	20,000.00	20,000.00	9,000.00	9,000.00
47	624	MOBILIZATION	1	LS	40,000.00	40,000.00	20,000.00	20,000.00	60,000.00	60,000.00
48	653	TOPSOIL, FURNISHED AND PLACED	1235	C.Y.	30.00	37,050.00	25.00	30,875.00	15.00	18,525.00
49	659	COMMERCIAL FERTILIZER	2	TON	500.00	1,000.00	900.00	1,800.00	550.00	1,100.00
50	659	SEEDING AND MULCHING	19000	S.Y.	1.25	23,750.00	1.00	19,000.00	0.60	11,400.00
51	659	AGRICULTURAL LIMING	8	TON	90.00	720.00	170.00	1,360.00	125.00	1,000.00
52	805	CURB BOX	10	EA	330.00	3,300.00	330.00	3,300.00	125.00	1,250.00
53	808	RELOCATE 2" WATERLINE	40	L.F.	35.00	1,400.00	230.00	9,200.00	70.00	2,800.00
54	808	RELOCATE 6" WATERLINE	150	L.F.	60.00	9,000.00	330.00	49,500.00	250.00	37,500.00
55	816	¾" WATER SERVICE TAP RELOCATED	50	EA	2,100.00	105,000.00	1,100.00	55,000.00	1,200.00	60,000.00
56	816	1" WATER SERVICE TAP RELOCATED	5	EA	2,200.00	11,000.00	1,500.00	7,500.00	2,000.00	10,000.00
57	816	1½" WATER SERVICE TAP RELOCATED	5	EA	2,800.00	14,000.00	1,900.00	9,500.00	2,200.00	11,000.00
58	816	2" WATER SERVICE TAP RELOCATED	3	EA	3,000.00	9,000.00	2,600.00	7,800.00	2,400.00	7,200.00
59	901	76"X48" ELLIPTICAL PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	360	L.F.	325.00	117,000.00	260.00	93,600.00	270.00	97,200.00
60	901	60"X38" ELLIPTICAL PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	12	L.F.	250.00	3,000.00	240.00	2,880.00	290.00	3,480.00
61	901	42" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	291	L.F.	135.00	39,285.00	110.00	32,010.00	150.00	43,650.00
62	901	36" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	506	L.F.	110.00	55,660.00	98.00	49,588.00	100.00	50,600.00
63	901	36" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	30	L.F.	125.00	3,750.00	225.00	6,750.00	150.00	4,500.00
64	901	30" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	415	L.F.	100.00	41,500.00	87.00	36,105.00	100.00	41,500.00
65	901	30" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	153	L.F.	110.00	16,830.00	104.00	15,912.00	120.00	18,360.00
66	901	27" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	187	L.F.	80.00	14,960.00	86.00	16,082.00	88.00	16,456.00

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No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount
67	901	27" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	28	L.F.	95.00	2,660.00	195.00	5,460.00	100.00	2,800.00
68	901	24" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	307	L.F.	70.00	21,490.00	66.00	20,262.00	80.00	24,560.00
69	901	24" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	208	L.F.	85.00	17,680.00	79.00	16,432.00	110.00	22,880.00
70	901	18" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	590	L.F.	65.00	38,350.00	56.00	33,040.00	75.00	44,250.00
71	901	18" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	250	L.F.	75.00	18,750.00	80.00	20,000.00	95.00	23,750.00
72	901	15" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	472	L.F.	60.00	28,320.00	51.00	24,072.00	75.00	35,400.00
73	901	15" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	122	L.F.	65.00	7,930.00	103.00	12,566.00	100.00	12,200.00
74	901	12" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	3066	L.F.	50.00	153,300.00	49.99	153,269.34	55.00	168,630.00
75	901	12" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 912 COMPACTED GRANULAR BACKFILL	1480	L.F.	55.00	81,400.00	117.00	173,160.00	75.00	111,000.00
76	901	8" PIPE, WITH TYPE 1 BEDDING, WITH ITEM 911 COMPACTED BACKFILL	20	L.F.	30.00	600.00	60.00	1,200.00	65.00	1,300.00
77	906	STONE FOUNDATION	20	C.Y.	100.00	2,000.00	50.00	1,000.00	40.00	800.00
78	910	PLAIN CONCRETE ENCASEMENT OF 8 INCH DIAMETER PIPE	20	L.F.	18.00	360.00	7.00	140.00	16.00	320.00
79	910	PLAIN CONCRETE ENCASEMENT OF 12 INCH DIAMETER PIPE	1856	L.F.	21.00	38,976.00	12.00	22,272.00	20.00	37,120.00
80	910	PLAIN CONCRETE ENCASEMENT OF 18 INCH DIAMETER PIPE	115	L.F.	27.00	3,105.00	20.00	2,300.00	25.00	2,875.00
81	910	PLAIN CONCRETE ENCASEMENT OF 24 INCH DIAMETER PIPE	107	L.F.	32.00	3,424.00	30.00	3,210.00	32.00	3,424.00
82	910	PLAIN CONCRETE ENCASEMENT OF 27 INCH DIAMETER PIPE	215	L.F.	35.00	7,525.00	33.00	7,095.00	36.00	7,740.00
83	910	PLAIN CONCRETE ENCASEMENT OF 30 INCH DIAMETER PIPE	71	L.F.	38.00	2,698.00	40.00	2,840.00	53.00	3,763.00
84	910	PLAIN CONCRETE ENCASEMENT OF 36 INCH DIAMETER PIPE	55	L.F.	43.00	2,365.00	52.00	2,860.00	63.00	3,465.00
85	SPEC	MAILBOX NON-TYPICAL	3	EA	300.00	900.00	200.00	600.00	500.00	1,500.00
86	SPEC	MAILBOX SUPPORT (SINGLE)	35	EA	200.00	7,000.00	150.00	5,250.00	120.00	4,200.00
87	SPEC	HOT APPLIED JOINT SEALER, PER 705.04	100	L.F.	3.00	300.00	10.00	1,000.00	1.00	100.00
88	SPEC	LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS DIRECTED BY THE ENGINEER	40	HR	60.00	2,400.00	65.00	2,600.00	60.00	2,400.00
89	SPEC	PRELEVELING, AS PER PLAN	778	S.Y.	80.00	62,240.00	1.00	778.00	8.50	6,613.00
90	SPEC	PROJECT IDENTIFICATION SIGNS	1	LS	3,000.00	3,000.00	750.00	750.00	850.00	850.00
91	SPEC	GUARDRAIL REMOVED AND RESET	12.5	L.F.	25.00	312.50	125.00	1,562.50	125.00	1,562.50

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No.	No.	Description	Qty.	Unit	Price	Amount	Price	Amount	Price	Amount
92	SPEC	MANHOLE ADJUSTED TO GRADE, AS DIRECTED BY THE ENGINEER	33	EA	500.00	16,500.00	500.00	16,500.00	300.00	9,900.00
93	SPEC	CATCH BASIN ADJUSTED TO GRADE, AS DIRECTED BY THE ENGINEER	75	EA	450.00	33,750.00	500.00	37,500.00	250.00	18,750.00
94	SPEC	NORWAY SPRUCE	2	EA	350.00	700.00	500.00	1,000.00	357.00	714.00
95	SPEC	SUGAR MAPLE	1	EA	350.00	350.00	315.00	315.00	488.00	488.00
96	SPEC	WHITE PINE	1	EA	350.00	350.00	225.00	225.00	327.00	327.00
97	SPEC	RED MAPLE (RED SUNSET)	1	EA	450.00	450.00	300.00	300.00	461.50	461.50
98	SPEC	RED OAK	4	EA	500.00	2,000.00	270.00	1,080.00	451.75	1,807.00
99	SPEC	SHINGLE OAK	1	EA	500.00	500.00	285.00	285.00	451.75	451.75
100	SPEC	BRICK LIGHT POST, REMOVED	1	EA	400.00	400.00	600.00	600.00	200.00	200.00
101	SPEC	12-INCH TREE REMOVED AS DIRECTED BY THE ENGINEER	1	EA	400.00	400.00	1,000.00	1,000.00	500.00	500.00
102	SPEC	SUPPORT OF UTILITY POLES	1	LS	10,000.00	10,000.00	4,000.00	4,000.00	4,000.00	4,000.00
103	SPEC	ANTI-INFILTRATION AND INFLOW BARRIER, PER DETAIL ON SHEET 27/32	28	EA	400.00	11,200.00	110.00	3,080.00	250.00	7,000.00
104	SPEC	Force Account (Asphalt Binder Placing index)	1	LS	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
		SUB-TOTAL				1,975,940.25		1,817,770.34		1,856,249.85
105	SPEC	Force Account (.20 x sum of all above items)	.20 x (base)	LS		\$395,188.05		\$363,554.07		\$371,249.97
		TOTAL PROJECT COSTS				\$2,371,128.30		\$2,181,324.41		\$2,227,499.82
		% DIFFERENCE FROM ENGINEER'S ESTIMATE						-8.00%		-6.06%
		Bond Amount (Page P-11)						\$220,000.00		\$250,000.00
		Bonding Company (Page P-11)						Ohio Farmers Insurance		Liberty Mutual Insurance
		Proposal Bond Amount Required						\$218,132.44		\$222,749.98
		Contract Compliance No. (Page P-2n)						31-4214570		31-4366382
		Non-Collusion Affidavit Completed? (Page P-10)						Yes		Yes
		Local Vendor? (Page P-3)						Yes		Yes
		Addendum Acknowledgement Completed? (Page P-3)						Yes		Yes
		Proposal Affidavit Completed? (Page P-15)						Yes		Yes