

ABSTRACT OF BIDS (4-30-04)
WORTHINGTON, MINNESOTA
2004 WATER AND SEWER IMPROVEMENTS

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate		Larson Crane Service, Inc	
				Unit Price	Amount	Unit Price	Amount
SCHEDULE 1 - BRISTOL STREET WATER							
100	Mobilization per Schedule	LS	1.0	\$5,800.00	\$5,800.00	\$1,000.00	\$1,000.00
101	6" Water Main PVC, SDR 18	LF	24.0	\$24.00	\$576.00	\$25.50	\$612.00
102	8" Water Main PVC SDR 18	LF	823.0	\$25.00	\$20,575.00	\$24.00	\$19,752.00
103	4" Sewer Repair Pipe PVC, SDR 18	LF	111.0	\$18.00	\$1,998.00	\$18.00	\$1,998.00
104	10" Storm Repair Pipe PVC SDR 18	LF	20.0	\$26.00	\$520.00	\$32.00	\$640.00
105	8" Gate Valve with Manhole	EACH	4.0	\$2,850.00	\$11,400.00	\$3,000.00	\$12,000.00
106	Furnish, Install & Salvage Valve Box for Exist. 6" Gate Valve	EACH	1.0	\$350.00	\$350.00	\$500.00	\$500.00
107	Water Service Connection (3/4")	EACH	15.0	\$280.00	\$4,200.00	\$260.00	\$3,900.00
108	Reinstall Water Service (3/4") (15'+) - Trenchless	EACH	10.0	\$400.00	\$4,000.00	\$400.00	\$4,000.00
109	Reinstall Water Service (3/4") (30'+) - Trenchless	EACH	3.0	\$600.00	\$1,800.00	\$450.00	\$1,350.00
110	Furnish and Install Curb Stop with Service Box 3/4"	EACH	6.0	\$200.00	\$1,200.00	\$200.00	\$1,200.00
111	Furnish & Install Hydrant Unit	EACH	1.0	\$2,800.00	\$2,800.00	\$3,200.00	\$3,200.00
112	Furnish & Install Hydrant Unit without gate valve and box	EACH	1.0	\$2,300.00	\$2,300.00	\$2,800.00	\$2,800.00
113	F & I Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.0	\$450.00	\$450.00	\$475.00	\$475.00
114	Ductile Iron Fittings Poly. Encased	LB	1640.0	\$2.75	\$4,510.00	\$2.75	\$4,510.00
115	8" Diameter Pipe Joint Restraint Harness	EACH	2.0	\$300.00	\$600.00	\$275.00	\$550.00
116	Insulate Water Pipes (3" Insulation)	SF	96.0	\$3.50	\$336.00	\$2.85	\$273.60
117	Granular Foundation (LV)	CY	11.0	\$23.50	\$258.50	\$20.00	\$220.00
118	Sewer Service Repair Connection (4")	EACH	19.0	\$135.00	\$2,565.00	\$150.00	\$2,850.00
119	Sewer Service Tie-in to Block Manhole	EACH	1.0	\$250.00	\$250.00	\$275.00	\$275.00
120	Storm Pipe Repair Connection - 10" PVC to Clay Adaptor	EACH	4.0	\$180.00	\$720.00	\$175.00	\$700.00
121	Exploratory Excavation	HOURL	2.5	\$175.00	\$437.50	\$150.00	\$375.00
122	Remove 4" to 12" Pipe	LF	196.0	\$4.50	\$882.00	\$4.25	\$833.00
123	Remove 13" to 24" Pipe	LF	10.0	\$6.50	\$65.00	\$4.50	\$45.00
124	Remove Concrete Curb and Gutter	LF	23.0	\$4.00	\$92.00	\$4.00	\$92.00
125	Remove Concrete Driveway	SF	78.0	\$1.30	\$101.40	\$1.00	\$78.00
126	Remove Concrete Sidewalk	SF	702.0	\$1.15	\$807.30	\$1.00	\$702.00
127	Remove Bituminous Pavement 2"	SY	439.0	\$2.00	\$878.00	\$1.60	\$702.40
128	Remove Concrete Pavement	SY	788.0	\$9.00	\$7,092.00	\$7.00	\$5,516.00
129	Remove Catch Basin or Manhole	EACH	1.0	\$250.00	\$250.00	\$350.00	\$350.00
130	Remove Hydrant Unit	EACH	1.0	\$150.00	\$150.00	\$225.00	\$225.00
131	Sawing Concrete Surfaces	LF	1161.0	\$5.00	\$5,805.00	\$4.00	\$4,644.00
132	Coulter Cut Bituminous Pavement - Surface	LF	301.0	\$1.25	\$376.25	\$1.20	\$361.20
133	Salvage Ductile Iron Fitting	EACH	2.0	\$125.00	\$250.00	\$100.00	\$200.00

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				Unit Price	Amount	Unit Price	Amount
134	Aggregate Base Placed, Class 5	CY	326.0	\$20.75	\$6,764.50	\$21.00	\$6,846.00
135	Type LV 3 or 4 Wearing Course Mix Temporary	TON	146.0	\$55.00	\$8,030.00	\$65.00	\$9,490.00
136	4" Perf. P.E. Pipe Drain Subgrade w/permeable agg. backfill	LF	20.0	\$12.00	\$240.00	\$10.00	\$200.00
137	4" Perf. P.E. Pipe Drain Repair Connection	EACH	2.0	\$75.00	\$150.00	\$50.00	\$100.00
138	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00
139	Unknown Field Tile Repair Connection (As Directed)	EACH	2.0	\$75.00	\$150.00	\$35.00	\$70.00
140	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	7.0	\$60.00	\$420.00	\$75.00	\$525.00
141	Lean Mix Backfill for Pipe Support	CY	6.0	\$110.00	\$660.00	\$100.00	\$600.00
142	Storm Drain Inlet Protection Type Modified	EACH	10.0	\$100.00	\$1,000.00	\$50.00	\$500.00
143	Seed, Mixture 270RT	LB	3.0	\$20.00	\$60.00	\$4.00	\$12.00
144	Sodding Lawn Type	SY	41.0	\$7.00	\$287.00	\$11.00	\$451.00
TOTAL SCHEDULE 1					\$102,276.45		\$95,733.20
SCHEDULE 2 - CLARY STREET WATER							
200	Mobilization per Schedule	LS	1.0	\$3,300.00	\$3,300.00	\$1,000.00	\$1,000.00
201	4" Water Main PVC SDR 18	LF	17.0	\$22.00	\$374.00	\$22.00	\$374.00
202	6" Water Main PVC SDR 18	LF	7.0	\$24.00	\$168.00	\$25.00	\$175.00
203	8" Water Main PVC SDR 18	LF	446.0	\$25.00	\$11,150.00	\$24.00	\$10,704.00
204	4" Sewer Repair Pipe PVC SDR 18	LF	10.0	\$22.00	\$220.00	\$18.00	\$180.00
205	12" RCP Pipe, Class III	LF	16.0	\$33.00	\$528.00	\$32.00	\$512.00
206	24" RCP Pipe, Class III	LF	16.0	\$35.00	\$560.00	\$44.00	\$704.00
207	4" Gate Valve with Valve Box	EACH	1.0	\$650.00	\$650.00	\$1,100.00	\$1,100.00
208	8" Gate Valve with Manhole	EACH	3.0	\$2,850.00	\$8,550.00	\$3,600.00	\$10,800.00
209	Water Service Connection (3/4" - 1")	EACH	3.0	\$280.00	\$840.00	\$330.00	\$990.00
210	Reinstall Water Service (3/4" - 1") (10'+)	EACH	1.0	\$315.00	\$315.00	\$425.00	\$425.00
211	Reinstall Water Service (3/4") (40'+) - Trenchless	EACH	1.0	\$750.00	\$750.00	\$500.00	\$500.00
212	Reinstall Water Service (1") (50'+) - Trenchless	EACH	1.0	\$1,000.00	\$1,000.00	\$585.00	\$585.00
213	Furnish & Install Hydrant Unit	EACH	1.0	\$2,800.00	\$2,800.00	\$3,200.00	\$3,200.00
214	F & I Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.0	\$450.00	\$450.00	\$500.00	\$500.00
215	Ductile Iron Fittings Poly. Encased	LB	1730.0	\$2.75	\$4,757.50	\$2.75	\$4,757.50
216	Insulate Water Pipes (3" Insulation)	SF	224.0	\$3.50	\$784.00	\$2.85	\$638.40
217	Granular Foundation (LV)	CY	6.0	\$23.50	\$141.00	\$20.00	\$120.00
218	Sewer Service Repair Connection (4")	EACH	2.0	\$135.00	\$270.00	\$150.00	\$300.00
219	Storm Pipe Repair Connection - 12" RCP to RCP joint	EACH	1.0	\$190.00	\$190.00	\$250.00	\$250.00
220	Storm Tie-in Connection to Existing Pipe - 12" RCP	EACH	1.0	\$225.00	\$225.00	\$350.00	\$350.00
221	Storm Pipe Repair Connection - 24"RCP to 24" NRCP	EACH	1.0	\$290.00	\$290.00	\$350.00	\$350.00
222	Exploratory Excavation	HOURL	1.0	\$175.00	\$175.00	\$150.00	\$150.00

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				Unit Price	Amount	Unit Price	Amount
223	Remove 4" to 12" Pipe	LF	139.0	\$4.50	\$625.50	\$4.25	\$590.75
224	Remove 13" to 24" Pipe	LF	12.0	\$6.50	\$78.00	\$4.50	\$54.00
225	Remove Concrete Curb and Gutter	LF	6.0	\$4.00	\$24.00	\$4.00	\$24.00
226	Remove Concrete Driveway	SF	500.0	\$1.30	\$650.00	\$1.00	\$500.00
227	Remove Concrete Sidewalk	SF	280.0	\$1.15	\$322.00	\$1.00	\$280.00
228	Remove Bituminous Pavement 2"	SY	18.0	\$2.00	\$36.00	\$1.60	\$28.80
229	Remove Bituminous Overlaid Concrete Pavement	SY	376.0	\$9.00	\$3,384.00	\$7.00	\$2,632.00
230	Remove Catch Basin or Manhole	EACH	5.0	\$250.00	\$1,250.00	\$350.00	\$1,750.00
231	Remove Gate Valve and Box	EACH	1.0	\$100.00	\$100.00	\$250.00	\$250.00
232	Sawing Concrete Surfaces	LF	162.0	\$5.00	\$810.00	\$4.00	\$648.00
233	Coulter Cut Bituminous Pavement - Surface	LF	126.0	\$1.25	\$157.50	\$1.20	\$151.20
234	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	105.0	\$1.85	\$194.25	\$2.00	\$210.00
235	Salvage Ductile Iron Fitting	EACH	3.0	\$125.00	\$375.00	\$75.00	\$225.00
236	F & I Repair Geotextile Separation Fabric Type IV mod.	SY	6.0	\$10.00	\$60.00	\$25.00	\$150.00
237	Aggregate Surfacing (LV), CL 5	CY	1.0	\$14.00	\$14.00	\$21.00	\$21.00
238	Aggregate Base Placed, Class 5	CY	127.0	\$20.75	\$2,635.25	\$21.00	\$2,667.00
239	Type LV 3 or 4 Wearing Course Mix Temporary	TON	84.0	\$55.00	\$4,620.00	\$65.00	\$5,460.00
240	4" Perf. P.E. Pipe Drain Subgrade w/permeable agg. backfill	LF	4.0	\$12.00	\$48.00	\$10.00	\$40.00
241	4" Perf. P.E. Pipe Drain Repair Connection	EACH	1.0	\$75.00	\$75.00	\$35.00	\$35.00
242	4-12" Corr. Polyethylene Pipe Drain	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00
243	Unknown Field Tile Repair Connection (As Directed)	EACH	2.0	\$75.00	\$150.00	\$35.00	\$70.00
244	Construct Drainage Structure, Des N	EACH	2.0	\$1,100.00	\$2,200.00	\$1,275.00	\$2,550.00
245	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	5.0	\$60.00	\$300.00	\$75.00	\$375.00
246	Concrete Plug Pipe End 13" - 18" Pipe (As Directed)	EACH	1.0	\$100.00	\$100.00	\$100.00	\$100.00
247	Lean Mix Backfill for Pipe Support	CY	8.0	\$110.00	\$880.00	\$100.00	\$800.00
248	Storm Drain Inlet Protection Type Modified	EACH	4.0	\$100.00	\$400.00	\$50.00	\$200.00
249	Seed, Mixture 270RT	LB	6.0	\$20.00	\$120.00	\$3.65	\$21.90
250	Sodding Lawn Type	SY	69.0	\$7.00	\$483.00	\$11.00	\$759.00
TOTAL SCHEDULE 2					\$58,699.00		\$59,267.55
SCHEDULE 3 - CLARY STREET TRUNK SANITARY							
300	Mobilization per Schedule	LS	1.0	\$7,100.00	\$7,100.00	\$1,000.00	\$1,000.00
301	4" PVC Sewer Pipe, SDR 35	LF	188.0	\$18.00	\$3,384.00	\$19.00	\$3,572.00
302	8" PVC Sewer Pipe, 0-10' Depth	LF	98.0	\$23.00	\$2,254.00	\$24.00	\$2,352.00
303	18" PVC Sewer Pipe SDR 35, 0-10' Depth	LF	16.0	\$41.00	\$656.00	\$60.00	\$960.00
304	27" PVC Sewer Pipe SDR 35, 10-12' Depth	LF	378.0	\$62.00	\$23,436.00	\$68.00	\$25,704.00
305	30" PVC Sewer Pipe SDR 35, 10-12' Depth	LF	22.0	\$80.00	\$1,760.00	\$100.00	\$2,200.00

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306	8" Storm Repair Pipe PVC SDR 18	LF	3.0	\$30.00	\$90.00	\$65.00	\$195.00
307	10" Storm Repair Pipe PVC SDR 18	LF	28.0	\$26.00	\$728.00	\$60.00	\$1,680.00
308	12" Storm Repair Pipe PVC SDR 18	LF	58.0	\$29.25	\$1,696.50	\$65.00	\$3,770.00
309	12" RC Pipe, Class III	LF	10.0	\$33.00	\$330.00	\$32.00	\$320.00
310	24" RCP Pipe, Class III	LF	32.0	\$35.00	\$1,120.00	\$44.00	\$1,408.00
311	33" RCP Pipe, Class III	LF	4.0	\$57.00	\$228.00	\$62.00	\$248.00
312	Standard Manhole, 0-10' Depth	EACH	2.0	\$2,750.00	\$5,500.00	\$3,600.00	\$7,200.00
313	Sanitary Manhole - 60" ID w/48" Opening, 0-11' Depth	EACH	2.0	\$4,800.00	\$9,600.00	\$6,800.00	\$13,600.00
314	Sewer Main Repair Connection - 8"	EACH	2.0	\$210.00	\$420.00	\$200.00	\$400.00
315	Sewer Main Repair Connection - 18"	EACH	2.0	\$345.00	\$690.00	\$350.00	\$700.00
316	Sewer Main Repair Connection - 27"	EACH	2.0	\$400.00	\$800.00	\$850.00	\$1,700.00
317	Sewer Main Repair Connection - 30" PVC to 30" Clay	EACH	1.0	\$425.00	\$425.00	\$500.00	\$500.00
318	Sewer Main Repair Connection - 30" PVC to 30" PVC	EACH	1.0	\$400.00	\$400.00	\$500.00	\$500.00
319	Sewer Service Connection (4")	EACH	7.0	\$715.00	\$5,005.00	\$200.00	\$1,400.00
320	Sewer Service Connection (8")	EACH	1.0	\$725.00	\$725.00	\$350.00	\$350.00
321	18" to 8" PVC Eccentric Reducer	EACH	1.0	\$750.00	\$750.00	\$350.00	\$350.00
322	Temp. 18" PVC Tie-in Connect. to Existing Block Manhole	EACH	1.0	\$500.00	\$500.00	\$300.00	\$300.00
323	Granular Foundation (LV)	CY	10.0	\$23.85	\$238.50	\$20.00	\$200.00
324	Exploratory Excavation	HOUR	2.0	\$175.00	\$350.00	\$150.00	\$300.00
325	Storm Pipe Repair Connection - 8" PVC to NRCP Adaptor	EACH	1.0	\$150.00	\$150.00	\$160.00	\$160.00
326	Storm Pipe Repair Connection - 10" PVC to CLAY Adaptor	EACH	2.0	\$180.00	\$360.00	\$175.00	\$350.00
327	Storm Pipe Repair Connection-32"NRCP to 33"RCP Adaptor	EACH	1.0	\$365.00	\$365.00	\$250.00	\$250.00
328	Storm Tie-in Connection to Existing Structure - 12" PVC	EACH	1.0	\$225.00	\$225.00	\$400.00	\$400.00
329	Remove 4" to 12" Pipe	LF	248.0	\$4.50	\$1,116.00	\$4.25	\$1,054.00
330	Remove 13" to 24" Pipe	LF	281.0	\$6.50	\$1,826.50	\$4.50	\$1,264.50
331	Remove 25" to 36" Pipe	LF	46.0	\$7.50	\$345.00	\$6.00	\$276.00
332	Remove Concrete Driveway	SF	395.0	\$1.30	\$513.50	\$1.00	\$395.00
333	Remove Concrete Sidewalk	SF	468.0	\$1.15	\$538.20	\$1.00	\$468.00
334	Remove Bituminous Pavement	SY	65.0	\$2.00	\$130.00	\$5.00	\$325.00
335	Remove Bituminous Overlaid Concrete Pavement	SY	893.0	\$9.00	\$8,037.00	\$7.00	\$6,251.00
336	Remove Catch Basin or Manhole	EACH	15.0	\$250.00	\$3,750.00	\$350.00	\$5,250.00
337	Remove 27" PVC Pipe Stub with Concrete Plug	EACH	1.0	\$125.00	\$125.00	\$70.00	\$70.00
338	Remove Storm Sewer Vault	EACH	1.0	\$325.00	\$325.00	\$350.00	\$350.00
339	Remove Interior Masonry Block Bulkhead	LS	1.0	\$200.00	\$200.00	\$170.00	\$170.00
340	Sawing Concrete Surfaces	LF	121.0	\$5.00	\$605.00	\$4.00	\$484.00
341	Coulter Bituminous Surface	LF	646.0	\$1.25	\$807.50	\$1.20	\$775.20
342	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	382.0	\$1.85	\$706.70	\$2.00	\$764.00
343	Aggregate Base Placed, Class 5	CY	309.0	\$20.75	\$6,411.75	\$21.00	\$6,489.00

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344	Type LV 3 or 4 Wearing Course Mix Temporary	TON	232.0	\$55.00	\$12,760.00	\$65.00	\$15,080.00
345	Temporary 10" Corr. Polyethylene Pipe Drain for Storm	LF	20.0	\$12.00	\$240.00	\$25.00	\$500.00
346	4-12" Corr. Polyethylene Pipe Drain	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00
347	Field Tile Repair Connection	EACH	2.0	\$75.00	\$150.00	\$35.00	\$70.00
348	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	13.0	\$60.00	\$780.00	\$75.00	\$975.00
349	Concrete Plug Pipe End 13"-27" Pipe (As Directed)	EACH	25.0	\$115.00	\$2,875.00	\$10.00	\$250.00
350	Construct Drainage Structure, Des 60" - 4020 w/sed	EACH	1.0	\$2,850.00	\$2,850.00	\$5,800.00	\$5,800.00
351	Construct Drainage Structure, Design N w/sed	EACH	1.0	\$1,275.00	\$1,275.00	\$1,800.00	\$1,800.00
352	Lean Mix Backfill-Pipe Support or Abandonment	CY	43.3	\$110.00	\$4,763.00	\$100.00	\$4,330.00
353	Storm Drain Inlet Protection Type Modified	EACH	5.0	\$100.00	\$500.00	\$50.00	\$250.00
354	Seed, Mixture 270RT	LB	2.0	\$20.00	\$40.00	\$3.65	\$7.30
355	Sodding Lawn Type	SY	53.0	\$7.00	\$371.00	\$11.00	\$583.00
TOTAL SCHEDULE 3					\$121,447.15		\$126,110.00
SCHEDULE 4 - ROWE AVENUE SANITARY							
400	Mobilization per Schedule	LS	1.0	\$7,100.00	\$7,100.00	\$200.00	\$200.00
401	4" PVC Sewer Pipe, SDR 35	LF	104.0	\$20.00	\$2,080.00	\$16.00	\$1,664.00
402	6" PVC Sewer Pipe, SDR 35	LF	31.0	\$23.00	\$713.00	\$18.00	\$558.00
403	8" PVC Sewer Pipe, SDR 18, 0-6' Depth	LF	378.0	\$22.00	\$8,316.00	\$23.00	\$8,694.00
404	8" PVC Sewer Pipe, SDR 18, 6-8' Depth	LF	66.0	\$24.00	\$1,584.00	\$25.00	\$1,650.00
405	8" PVC Sewer Pipe, SDR 35, 0-6' Depth	LF	60.0	\$19.00	\$1,140.00	\$20.00	\$1,200.00
406	8" PVC Sewer Pipe, SDR 35, 6-8' Depth	LF	327.0	\$21.00	\$6,867.00	\$22.00	\$7,194.00
407	8" PVC Sewer Pipe, SDR 35, 8-10' Depth	LF	268.0	\$23.00	\$6,164.00	\$24.00	\$6,432.00
408	8" PVC Sewer Pipe, SDR 35, 10-12' Depth	LF	39.0	\$28.00	\$1,092.00	\$27.25	\$1,062.75
409	Standard Manhole, 0-10' Depth w/casting	EACH	6.0	\$2,700.00	\$16,200.00	\$2,500.00	\$15,000.00
410	Extra Depth Manhole, (48" diameter)	LF	0.7	\$150.00	\$105.00	\$200.00	\$140.00
411	Inside Drop Connection - 8" (4.0')	EACH	1.0	\$650.00	\$650.00	\$350.00	\$350.00
412	Inside Drop Connection-8" into Ex. Precast Manhole (8-9.5')	EACH	2.0	\$650.00	\$1,300.00	\$450.00	\$900.00
413	Sewer Main Repair Connection - 6" - 8"	EACH	3.0	\$200.00	\$600.00	\$100.00	\$300.00
414	Sewer Service Connection (4")	EACH	4.0	\$300.00	\$1,200.00	\$175.00	\$700.00
415	Sewer Service Connection (6")	EACH	1.0	\$350.00	\$350.00	\$200.00	\$200.00
416	Sewer Service Stub Connect. W/Extend Riser(6"x21"saddle)	EACH	1.0	\$1,825.00	\$1,825.00	\$250.00	\$250.00
417	Granular Foundation (LV)	CY	10.0	\$25.00	\$250.00	\$20.00	\$200.00
418	Exploratory Excavation	HOURL	2.0	\$300.00	\$600.00	\$150.00	\$300.00
419	Insulation for Sanitary Main Pipe (3" Insulation)	SF	1536.0	\$4.00	\$6,144.00	\$2.85	\$4,377.60
420	Remove 4" to 15" Pipe	LF	1267.0	\$5.50	\$6,968.50	\$4.25	\$5,384.75
421	Remove Terminal Concrete Pavement Header	LF	16.0	\$15.00	\$240.00	\$15.00	\$240.00

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				Unit Price	Amount	Unit Price	Amount
422	Remove Bituminous Pavement -5.5"	SY	1507.0	\$2.25	\$3,390.75	\$7.00	\$10,549.00
423	Remove Concrete Pavement - 10"	SY	18.0	\$10.00	\$180.00	\$9.00	\$162.00
424	Remove Manhole	EACH	4.0	\$250.00	\$1,000.00	\$350.00	\$1,400.00
425	Remove Inside Drop Assembly	LS	1.0	\$250.00	\$250.00	\$165.00	\$165.00
426	Sawing Concrete Surfaces	LF	12.0	\$5.00	\$60.00	\$4.00	\$48.00
427	Coulter Cut Bituminous Pavement - Surface	LF	2376.0	\$1.75	\$4,158.00	\$1.20	\$2,851.20
428	Aggregate Surfacing (LV), CL 5	CY	42.0	\$14.00	\$588.00	\$21.00	\$882.00
429	Aggregate Base Placed, Class 5	CY	628.0	\$20.75	\$13,031.00	\$21.00	\$13,188.00
430	10" Concrete Pavement - High Early	SY	18.0	\$50.00	\$900.00	\$45.00	\$810.00
431	Construct Terminal Concrete Pavement Header	LF	16.0	\$15.00	\$240.00	\$50.00	\$800.00
432	Type LV 3 Wearing Course Mixture (C)	TON	136.0	\$46.00	\$6,256.00	\$61.00	\$8,296.00
433	Type LV 3 Non Wearing Course Mixture (C) (Binder)	TON	136.0	\$46.00	\$6,256.00	\$61.00	\$8,296.00
434	Type LV 3 Non Wearing Course Mixture (C) (Base)	TON	226.0	\$46.00	\$10,396.00	\$61.00	\$13,786.00
435	Bituminous Material for Tack Coat	GAL	150.0	\$1.20	\$180.00	\$2.10	\$315.00
436	4-12" Corr. Polyethylene Pipe Drain	LF	22.0	\$12.00	\$264.00	\$1.00	\$22.00
437	Unknown Field Tile Repair Connection (As Directed)	EACH	6.0	\$85.00	\$510.00	\$35.00	\$210.00
438	Concrete Plug Pipe End	EACH	6.0	\$50.00	\$300.00	\$75.00	\$450.00
439	Lean Mix Backfill for Pipe Support	CY	8.3	\$125.00	\$1,031.25	\$70.00	\$577.50
440	Silt Fence, Type Heavy Duty, Maintained	LF	140.0	\$6.50	\$910.00	\$2.00	\$280.00
441	Inlet Protection Type A	EACH	6.0	\$250.00	\$1,500.00	\$35.00	\$210.00
442	Seeding, Hydro Spreading	ACRE	0.3	\$2,650.00	\$795.00	\$6,000.00	\$1,800.00
443	Seed, Mixture 250 GR	LB	21.0	\$6.00	\$126.00	\$3.65	\$76.65
444	Hydraulic Soil Stabilizer Type 5	TON	0.4	\$415.00	\$166.00	\$1,000.00	\$400.00
445	Sodding Lawn Type	SY	30.0	\$8.00	\$240.00	\$11.00	\$330.00
446	Install Relocated Water Service	EACH	1.0	\$315.00	\$315.00	\$325.00	\$325.00
447	Wood Fiber Blanket, Type Modified	SY	32.0	\$6.50	\$208.00	\$5.00	\$160.00
TOTAL SCHEDULE 4					\$124,739.50		\$123,386.45
SCHEDULE 5 - SANITARY SEWER SPOT REPAIRS							
500	Mobilization per Schedule	LS	1.0	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00
501	4" PVC Sewer Pipe, SDR 35	LF	33.0	\$21.00	\$693.00	\$20.00	\$660.00
502	8" PVC Repair Pipe, SDR 18, 0-9' Depth	LF	235.0	\$28.00	\$6,580.00	\$25.00	\$5,875.00
503	8" Storm Repair Pipe PVC SDR 18	LF	10.0	\$30.00	\$300.00	\$32.00	\$320.00
504	Sewer Main Repair Connection - 8"	EACH	19.0	\$200.00	\$3,800.00	\$200.00	\$3,800.00
505	Sewer Main Tie-in to Block Manhole - 8"	EACH	1.0	\$250.00	\$250.00	\$225.00	\$225.00
506	Sewer Service Connection - 4" w/saddle	EACH	9.0	\$245.00	\$2,205.00	\$275.00	\$2,475.00
507	Granular Foundation (LV)	CY	4.0	\$25.00	\$100.00	\$20.00	\$80.00

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate		Larson Crane Service, Inc	
				Unit Price	Amount	Unit Price	Amount
508	Install Relocated Water Service	EACH	1.0	\$350.00	\$350.00	\$325.00	\$325.00
509	Exploratory Excavation	HOURL	1.0	\$300.00	\$300.00	\$150.00	\$150.00
510	Storm Pipe Repair Connection - 8" PVC to NRCP Adaptor	EACH	2.0	\$185.00	\$370.00	\$300.00	\$600.00
511	Remove 4" to 12" Pipe	LF	298.0	\$6.00	\$1,788.00	\$4.25	\$1,266.50
512	Remove Bituminous Pavement -2" to 4"	SY	356.0	\$4.00	\$1,424.00	\$1.80	\$640.80
513	Remove Concrete Pavement	SY	38.0	\$9.00	\$342.00	\$7.00	\$266.00
514	Sawing Concrete Surface	LF	63.0	\$4.50	\$283.50	\$4.00	\$252.00
515	Coulter Bituminous Surface	LF	728.0	\$1.75	\$1,274.00	\$1.20	\$873.60
516	Aggregate Base Placed, Class 5	CY	71.0	\$22.00	\$1,562.00	\$21.00	\$1,491.00
517	Type LV 3 or 4 Wearing Course Mix Temporary	TON	37.0	\$110.00	\$4,070.00	\$125.00	\$4,625.00
518	4-12" Corr. Polyethylene Drain Repair Pipe (If Needed)	LF	20.0	\$12.00	\$240.00	\$1.00	\$20.00
519	Unknown Field Tile Repair Connection (If Needed)	EACH	4.0	\$85.00	\$340.00	\$35.00	\$140.00
520	Concrete Plug 4" -12" Pipe (As directed)	EACH	1.0	\$55.00	\$55.00	\$75.00	\$75.00
521	Storm Drain Inlet Protection Type Modified	EACH	10.0	\$100.00	\$1,000.00	\$50.00	\$500.00
522	Seed, Mixture 500	LB	1.0	\$50.00	\$50.00	\$3.65	\$3.65
TOTAL SCHEDULE 5					\$29,376.50		\$27,663.55
SCHEDULE 6 - EIGHTH AVENUE STORM							
2021.501	Mobilization per Schedule	LS	1.0	\$3,000.00	\$3,000.00	\$11,000.00	\$11,000.00
2104.501	Remove 4" to 12" Pipe	LF	168.0	\$4.50	\$756.00	\$4.25	\$714.00
2104.501	Remove 13" to 24" Pipe	LF	10.0	\$6.50	\$65.00	\$4.50	\$45.00
2104.501	Remove Curb and Gutter	LF	119.0	\$4.00	\$476.00	\$4.00	\$476.00
2104.503	Remove Concrete Driveway	SF	48.0	\$1.30	\$62.40	\$1.00	\$48.00
2104.503	Remove Concrete Sidewalk	SF	110.0	\$1.15	\$126.50	\$1.00	\$110.00
2104.505	Remove Bituminous Pavement	SY	438.0	\$2.00	\$876.00	\$3.25	\$1,423.50
2104.505	Remove Bituminous Overlaid Concrete Pavement	SY	31.0	\$9.00	\$279.00	\$7.00	\$217.00
2104.509	Remove Catch Basin or Manhole	EACH	10.0	\$250.00	\$2,500.00	\$350.00	\$3,500.00
2104.509	Remove Concrete Light Pole Base	EACH	1.0	\$125.00	\$125.00	\$1.00	\$1.00
2104.511	Sawing Concrete Surfaces	LF	67.0	\$5.00	\$335.00	\$4.00	\$268.00
2104.514	Coulter Cut Bituminous Pavement	LF	522.0	\$1.25	\$652.50	\$1.20	\$626.40
2104.515	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	63.0	\$1.85	\$116.55	\$2.00	\$126.00
2123.526	Equipment Rental for Exploratory Excavation	HOURL	1.0	\$175.00	\$173.25	\$150.00	\$148.50
2211.503	Aggregate Base (CV), Class 5	CY	89.0	\$20.75	\$1,846.75	\$21.00	\$1,869.00
2350.501	Type LV 3 or 4 Wearing Course Mix Temporary	TON	45.0	\$55.00	\$2,475.00	\$128.00	\$5,760.00
2451.507	Granular Foundation (CV) (If Needed)	CY	4.0	\$23.50	\$94.00	\$20.00	\$80.00
2502.541	4-12" Perf. Corr. Polyethylene Pipe Drain	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00
2502.573	Unknown Tile Repair Connect or Tie into System (If Needed)	EACH	2.0	\$75.00	\$150.00	\$35.00	\$70.00

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate		Larson Crane Service, Inc	
				Unit Price	Amount	Unit Price	Amount
2503.511	6" PVC Storm Repair Pipe, SDR 18	LF	6.0	\$23.00	\$138.00	\$26.00	\$156.00
2503.511	8" PVC Storm Repair Pipe, SDR 18	LF	13.0	\$25.00	\$325.00	\$30.00	\$390.00
2503.511	12" RCP Sewer, Class IV	LF	180.0	\$26.00	\$4,680.00	\$28.00	\$5,040.00
2503.511	15" RCP Sewer, Class III	LF	152.0	\$28.40	\$4,316.80	\$32.00	\$4,864.00
2503.511	18" RCP Pipe, Class III	LF	6.0	\$30.75	\$184.50	\$55.00	\$330.00
2503.511	21" RCP Pipe, Class IV	LF	69.0	\$34.70	\$2,394.30	\$41.00	\$2,829.00
2503.521	28" Span Arch RCP, Class III	LF	6.0	\$57.00	\$342.00	\$74.00	\$444.00
2503.573	Storm Pipe Repair Connection - 6" PVC to Clay Adaptor	EACH	3.0	\$145.00	\$435.00	\$50.00	\$150.00
2503.573	Storm Pipe Repair Connection - 8" PVC to Clay Adaptor	EACH	3.0	\$165.00	\$495.00	\$65.00	\$195.00
2503.573	Storm Pipe Repair Connect.-18" RCP to NRCP/Clay Adaptor	EACH	2.0	\$375.00	\$750.00	\$100.00	\$200.00
2503.573	Concrete Plug 4" to 12" Pipe	EACH	12.0	\$60.00	\$720.00	\$75.00	\$900.00
2506.502	Construct Drainage Structure, Des 48" - 4020 mod cover	EACH	2.0	\$1,875.00	\$3,750.00	\$2,500.00	\$5,000.00
2506.502	Construct Drainage Structure, Des 48" - 4020 w/sed	EACH	1.0	\$1,875.00	\$1,875.00	\$2,600.00	\$2,600.00
2506.502	Construct Drainage Struct, Des 48" - 4020 mod cover w/sed	EACH	6.0	\$1,875.00	\$11,250.00	\$2,700.00	\$16,200.00
2506.502	Construct Drainage Structure, Des 60" - 4020 w/sed	EACH	1.0	\$2,850.00	\$2,850.00	\$3,400.00	\$3,400.00
2506.502	Construct Drain Structure, Des F modified short cone w/sed	EACH	2.0	\$2,100.00	\$4,200.00	\$2,500.00	\$5,000.00
2506.502	Construct Drainage Structure, Des N	EACH	1.0	\$1,100.00	\$1,100.00	\$1,900.00	\$1,900.00
2506.502	Construct Drainage Structure, Design N w/sed	EACH	1.0	\$1,500.00	\$1,500.00	\$1,950.00	\$1,950.00
2573.530	Storm Drain Inlet Protection Type Modified	EACH	10.0	\$100.00	\$1,000.00	\$50.00	\$500.00
2575.502	Seed, Mixture 270RT	LB	3.0	\$20.00	\$60.00	\$3.65	\$10.95
2575.505	Sodding Lawn Type	SY	38.0	\$7.00	\$266.00	\$11.00	\$418.00
2611.515	Install Relocated Water Service	EACH	2.0	\$350.00	\$700.00	\$260.00	\$520.00
2611.515	Install Relocated Water Service (3/4") - (20'+)	EACH	1.0	\$350.00	\$350.00	\$410.00	\$410.00
2611.531	Insulation for Water Pipes (3")	SF	192.0	\$4.00	\$768.00	\$2.85	\$547.20
2621.511	4" PVC Sewer Pipe SDR 35	LF	22.0	\$20.00	\$440.00	\$20.00	\$440.00
2621.521	Sewer Service Repair Connection - 4"	EACH	4.0	\$155.00	\$620.00	\$250.00	\$1,000.00
2621.521	Sewer Service Repair Connection at 10" Main w/saddle	EACH	1.0	\$175.00	\$175.00	\$325.00	\$325.00
TOTAL SCHEDULE 6					\$59,913.55		\$82,211.55
SCHEDULE 7 - STORM SEWER SPOT REPAIRS							
2021.501	Mobilization per Schedule	LS	1.0	\$525.00	\$525.00	\$1,000.00	\$1,000.00
2104.501	Remove 4" to 12" Pipe	LF	50.0	\$4.50	\$225.00	\$4.25	\$212.50
2104.501	Remove 13" to 24" Pipe	LF	10.0	\$6.50	\$65.00	\$4.50	\$45.00
2104.505	Remove Bituminous Overlaid Concrete Pavement	SY	55.0	\$9.00	\$495.00	\$7.00	\$385.00
2104.511	Sawing Concrete Surfaces	LF	25.0	\$5.00	\$125.00	\$4.00	\$100.00
2104.523	Salvage Drainage Structure Des F with casting	LS	1.0	\$200.00	\$200.00	\$800.00	\$800.00
2123.526	Equipment Rental for Exploratory Excavation	HOUR	1.0	\$175.00	\$175.00	\$150.00	\$150.00

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate		Larson Crane Service, Inc	
				Unit Price	Amount	Unit Price	Amount
2211.503	Aggregate Base (CV), Class 5	CY	18.0	\$20.75	\$373.50	\$21.00	\$378.00
2350.501	Type LV 3 or 4 Wearing Course Mix Temporary	TON	11.0	\$55.00	\$605.00	\$230.00	\$2,530.00
2451.507	Granular Foundation (CV) (If Needed)	CY	1.0	\$23.50	\$23.50	\$20.00	\$20.00
2503.511	16" Storm Repair Pipe PVC, SDR 25	LF	6.0	\$40.00	\$240.00	\$20.00	\$120.00
2503.511	12" RCP Sewer, Class IV	LF	50.0	\$33.00	\$1,650.00	\$30.00	\$1,500.00
2503.573	Storm Pipe Repair Connect.-16" PVC SDR 25 to 16" NRCP	EACH	2.0	\$250.00	\$500.00	\$425.00	\$850.00
2503.573	Concrete Plug 4" to 12" Pipe	EACH	1.0	\$60.00	\$60.00	\$75.00	\$75.00
2506.502	Construct Drainage Structure, Des F	EACH	1.0	\$1,800.00	\$1,800.00	\$3,400.00	\$3,400.00
2506.502	Construct Drain Structure, Des F w/sed	EACH	1.0	\$2,100.00	\$2,100.00	\$4,000.00	\$4,000.00
TOTAL SCHEDULE 7					\$9,162.00		\$15,565.50
TOTAL SCHEDULES 1-7					\$505,614.15		\$529,937.80