ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
	SCHEDULE 1 - TENTH AVENUE WATER										
100	Mobilization per Schedule	LS	1.00	$8,100.00	$8,100.00	$2,800.00	$2,800.00	$3,300.00	$3,300.00	$20,000.00	$20,000.00
101	4" Water Main PVC, SDR 18	LF	22.00	$22.00	$484.00	$22.00	$484.00	$15.00	$330.00	$19.00	$418.00
102	6" Water Main PVC, SDR 18	LF	38.00	$25.00	$950.00	$23.00	$874.00	$17.00	$646.00	$21.00	$798.00
103	8" Water Main PVC, SDR 18	LF	1014.00	$22.00	$22,308.00	$18.50	$18,759.00	$26.00	$26,364.00	$25.00	$25,350.00
104	4" Sewer Repair Pipe PVC, SDR 18	LF	160.00	$18.00	$2,880.00	$14.50	$2,320.00	$22.00	$3,520.00	$21.00	$3,360.00
105	6" Sewer Main Repair Pipe PVC, SDR 18	LF	10.00	$22.00	$220.00	$16.00	$160.00	$23.00	$230.00	$24.00	$240.00
106	8" Sewer Main Repair Pipe PVC, SDR 18	LF	20.00	$23.00	$460.00	$18.00	$360.00	$25.00	$500.00	$27.00	$540.00
107	8" Storm Repair Pipe PVC SDR 18	LF	62.00	$23.00	$1,426.00	$18.00	$1,116.00	$25.00	$1,550.00	$26.00	$1,612.00
108	16" Storm Repair Pipe PVC, SDR 25	LF	12.50	$43.00	$537.50	$38.00	$475.00	$37.00	$462.50	$36.00	$450.00
109	12" Storm Repair Pipe RCP, Class III	LF	12.00	$33.00	$396.00	$15.00	$180.00	$35.00	$420.00	$32.00	$384.00
110	4" Gate Valve with Valve Box	EACH	2.00	$750.00	$1,500.00	$650.00	$1,300.00	$520.00	$1,040.00	$514.00	$1,028.00
111	6" Gate Valve with Valve Box	EACH	2.00	$800.00	$1,600.00	$700.00	$1,400.00	$600.00	$1,200.00	$578.00	$1,156.00
112	8" Gate Valve with Manhole	EACH	3.00	$2,800.00	$8,400.00	$2,800.00	$8,400.00	$3,000.00	$9,000.00	$2,335.00	$7,005.00
113	Water Service Connection (3/4")	EACH	22.00	$215.00	$4,730.00	$225.00	$4,950.00	$120.00	$2,640.00	$239.00	$5,258.00
114	Water Service Connection (1 1/2")	EACH	1.00	$300.00	$300.00	$310.00	$310.00	$230.00	$230.00	$275.00	$275.00
115	Reinstall Water Service (3/4") (10'+)	EACH	9.00	$200.00	$1,800.00	$200.00	$1,800.00	$400.00	$3,600.00	$400.00	$3,600.00
116	Reinstall Water Service (3/4") (30'+) - Trenchless	EACH	2.00	$460.00	$920.00	$425.00	$850.00	$1,100.00	$2,200.00	$900.00	$1,800.00
117	Furnish and Install Curb Stop with Service Box 3/4"	EACH	10.00	$260.00	$2,600.00	$200.00	$2,000.00	$130.00	$1,300.00	$150.00	$1,500.00
118	Furnish and Install Hydrant Unit	EACH	3.00	$2,900.00	$8,700.00	$2,800.00	$8,400.00	$2,650.00	$7,950.00	$2,140.00	$6,420.00
119	F & I Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.00	$450.00	$450.00	$450.00	$450.00	$400.00	$400.00	$245.00	$245.00
120	Ductile Iron Fittings Polyethylene Encased	LB	1835.00	$2.70	$4,954.50	$2.75	$5,046.25	$3.80	$6,973.00	$2.00	$3,670.00
121	Insulate Water Pipes (3" Insulation)	SF	128.00	$4.00	$512.00	$3.00	$384.00	$2.50	$320.00	$4.00	$512.00
122	Granular Foundation (LV)	CY	22.00	$25.00	$550.00	$19.25	$423.50	$11.50	$253.00	$21.50	$473.00
123	Sewer Service Repair Connection 4"	EACH	32.00	$135.00	$4,320.00	$130.00	$4,160.00	$170.00	$5,440.00	$128.00	$4,096.00
124	Sewer Main Repair Connection 6"	EACH	2.00	$155.00	$310.00	$150.00	$300.00	$190.00	$380.00	$110.00	$220.00
125	Sewer Main Repair Connection 8"	EACH	2.00	$180.00	$360.00	$165.00	$330.00	$220.00	$440.00	$112.00	$224.00
126	Storm Repair Connection - 8" PVC SDR 18 to Clay Adaptor	EACH	10.00	$180.00	$1,800.00	$100.00	$1,000.00	$150.00	$1,500.00	$112.00	$1,120.00
127	Storm Repair Connection - 12" RCP to RCP	EACH	2.00	$250.00	$500.00	$200.00	$400.00	$270.00	$540.00	$300.00	$600.00
128	Storm Repair Connection-16" PVC SDR 25 to 16" NRCP	EACH	2.00	$275.00	$550.00	$225.00	$450.00	$280.00	$560.00	$185.00	$370.00
129	Exploratory Excavation	HOUR	1.50	$158.00	$237.00	$100.00	$150.00	$300.00	$450.00	$125.00	$187.50
130	Remove 4" - 15" Pipe	LF	381.00	$4.40	$1,676.40	$3.75	$1,428.75	$12.00	$4,572.00	$5.00	$1,905.00
131	Remove 16" to 24" Pipe	LF	15.00	$6.50	$97.50	$3.75	$56.25	$16.00	$240.00	$8.00	$120.00
132	Remove Concrete Driveway	SF	739.00	$1.05	$775.95	$0.90	$665.10	$2.00	$1,478.00	$1.40	$1,034.60
133	Remove Concrete Sidewalk	SF	706.00	$0.95	$670.70	$0.90	$635.40	$1.00	$706.00	$1.40	$988.40
134	Remove Bituminous Pavement 2"-4"	SY	63.00	$1.75	$110.25	$1.50	$94.50	$3.50	$220.50	$1.94	$122.22
135	Remove Bituminous Overlaid Concrete Pavement	SY	1207.00	$8.00	$9,656.00	$7.00	$8,449.00	$12.00	$14,484.00	$8.10	$9,776.70
136	Remove Catch Basin or Manhole	EACH	7.00	$250.00	$1,750.00	$225.00	$1,575.00	$230.00	$1,610.00	$250.00	$1,750.00
137	Remove Hydrant Unit	EACH	1.00	$215.00	$215.00	$250.00	$250.00	$260.00	$260.00	$300.00	$300.00
138	Salvage Ductile Iron Fitting	EACH	1.00	$75.00	$75.00	$150.00	$150.00	$110.00	$110.00	$75.00	$75.00
139	Sawing Concrete Surfaces	LF	400.00	$4.75	$1,900.00	$5.00	$2,000.00	$5.00	$2,000.00	$5.67	$2,268.00
140	Sawing Bit. Overlaid Concrete Pavement -5.5" min depth	LF	935.00	$6.25	$5,843.75	$5.50	$5,142.50	$5.20	$4,862.00	$6.48	$6,058.80
141	Coulter Cut Bituminous Pavement	LF	123.00	$1.15	$141.45	$0.95	$116.85	$2.00	$246.00	$1.35	$166.05
142	Modified Aggregate Surfacing (LV), Limestone 3/4"	CY	5.00	$26.00	$130.00	$13.50	$67.50	$30.00	$150.00	$15.12	$75.60
143	Aggregate Base Placed, Class 5	CY	392.00	$20.50	$8,036.00	$19.45	$7,624.40	$15.00	$5,880.00	$21.33	$8,361.36

ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
144	Type LV 3 or 4 Wearing Course Mix Temporary	TON	220.00	$65.00	$14,300.00	$50.00	$11,000.00	$47.25	$10,395.00	$48.60	$10,692.00
145	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10.00	$10.00	$100.00	$4.00	$40.00	$23.00	$230.00	$8.00	$80.00
146	Unknown Field Tile Repair Connection (As Directed)	EACH	2.00	$65.00	$130.00	$50.00	$100.00	$250.00	$500.00	$150.00	$300.00
147	Construct Drainage Structure, Des N	EACH	3.00	$1,100.00	$3,300.00	$1,100.00	$3,300.00	$1,100.00	$3,300.00	$1,106.00	$3,318.00
148	Construct Drainage Structure, Des N w/sediment trap	EACH	1.00	$1,250.00	$1,250.00	$1,250.00	$1,250.00	$1,250.00	$1,250.00	$1,185.00	$1,185.00
149	Concrete Plug 4" -12" Pipe (As Directed)	EACH	16.00	$50.00	$800.00	$50.00	$800.00	$45.00	$720.00	$75.00	$1,200.00
150	Lean Mix Backfill for Pipe Support	CY	5.00	$90.00	$450.00	$100.00	$500.00	$125.00	$625.00	$125.00	$625.00
151	Storm Drain Inlet Protection Type Modified	EACH	12.00	$150.00	$1,800.00	$50.00	$600.00	$52.50	$630.00	$60.00	$720.00
152	Seed, Mixture 50B	LB	10.00	$25.00	$250.00	$10.00	$100.00	$10.50	$105.00	$25.92	$259.20
153	Sodding Lawn Type	SY	160.00	$7.00	$1,120.00	$5.00	$800.00	$5.25	$840.00	$3.19	$510.40
			TOTAL SCHEDULE 1		$137,433.00		$116,777.00		$139,152.00		$144,802.83
	SCHEDULE 2 - 13th STREET WATER										
200	Mobilization per Schedule	LS	1.00	$3,750.00	$3,750.00	$2,800.00	$2,800.00	$3,300.00	$3,300.00	$16,000.00	$16,000.00
201	4" Water Main PVC, SDR 18	LF	6.00	$22.00	$132.00	$22.00	$132.00	$15.00	$90.00	$19.00	$114.00
202	6" Water Main PVC, SDR 18	LF	52.00	$25.00	$1,300.00	$23.00	$1,196.00	$17.00	$884.00	$21.00	$1,092.00
203	8" Water Main PVC, SDR 18	LF	603.00	$22.00	$13,266.00	$18.50	$11,155.50	$26.00	$15,678.00	$25.00	$15,075.00
204	4" Sewer Repair Pipe PVC, SDR 35	LF	40.00	$18.00	$720.00	$14.50	$580.00	$22.00	$880.00	$21.00	$840.00
205	8" Sewer Repair Pipe PVC, SDR 18	LF	12.00	$23.00	$276.00	$18.00	$216.00	$25.00	$300.00	$27.00	$324.00
206	12" Storm Repair Pipe RCP, Class III	LF	6.00	$33.00	$198.00	$15.00	$90.00	$35.00	$210.00	$35.00	$210.00
207	6" Gate Valve with Valve Box	EACH	1.00	$800.00	$800.00	$700.00	$700.00	$600.00	$600.00	$577.00	$577.00
208	8" Gate Valve with Manhole	EACH	2.00	$2,800.00	$5,600.00	$2,800.00	$5,600.00	$3,000.00	$6,000.00	$2,335.00	$4,670.00
209	Water Service Connection (3/4")	EACH	14.00	$215.00	$3,010.00	$225.00	$3,150.00	$120.00	$1,680.00	$239.00	$3,346.00
210	Reinstall Water Service (3/4") (10'+) - Trenchless	EACH	4.00	$300.00	$1,200.00	$350.00	$1,400.00	$1,100.00	$4,400.00	$900.00	$3,600.00
211	Reinstall Water Service (3/4") (30'+)	EACH	1.00	$360.00	$360.00	$360.00	$360.00	$750.00	$750.00	$400.00	$400.00
212	Reinstall Water Service (3/4") (30'+) - Trenchless	EACH	1.00	$460.00	$460.00	$425.00	$425.00	$2,000.00	$2,000.00	$1,200.00	$1,200.00
213	Furnish and Install Curb Stop with Service Box 3/4"	EACH	1.00	$260.00	$260.00	$200.00	$200.00	$130.00	$130.00	$150.00	$150.00
214	Furnish and Install Hydrant Unit	EACH	1.00	$2,900.00	$2,900.00	$2,800.00	$2,800.00	$2,650.00	$2,650.00	$1,995.00	$1,995.00
215	F & I Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.00	$450.00	$450.00	$450.00	$450.00	$400.00	$400.00	$245.00	$245.00
216	Ductile Iron Fittings Polyethylene Encased	LB	1895.00	$2.70	$5,116.50	$2.75	$5,211.25	$3.80	$7,201.00	$2.00	$3,790.00
217	Furnish and Install 6" Split Ring Restrainer Gland	EACH	1.00	$125.00	$125.00	$150.00	$150.00	$125.00	$125.00	$61.00	$61.00
218	Insulate Water Pipes (3" Insulation)	SF	256.00	$4.00	$1,024.00	$3.00	$768.00	$2.50	$640.00	$4.00	$1,024.00
219	Granular Foundation (LV)	CY	10.00	$25.00	$250.00	$19.25	$192.50	$11.50	$115.00	$21.50	$215.00
220	Sewer Service Repair Connection 4"	EACH	8.00	$135.00	$1,080.00	$100.00	$800.00	$170.00	$1,360.00	$104.00	$832.00
221	Sewer Main Repair Connection 8"	EACH	1.00	$180.00	$180.00	$100.00	$100.00	$220.00	$220.00	$109.52	$109.52
222	Storm Repair Connection - 12" RCP to RCP joint connection	EACH	1.00	$250.00	$250.00	$200.00	$200.00	$270.00	$270.00	$300.00	$300.00
223	Exploratory Excavation	HOUR	2.00	$158.00	$316.00	$100.00	$200.00	$300.00	$600.00	$125.00	$250.00
224	Remove 4" - 12" Pipe	LF	200.00	$4.40	$880.00	$0.75	$150.00	$12.00	$2,400.00	$5.00	$1,000.00
225	Remove Concrete Curb and Gutter	LF	34.00	$3.75	$127.50	$3.75	$127.50	$6.00	$204.00	$4.05	$137.70
226	Remove Concrete Driveway	SF	207.00	$1.05	$217.35	$0.90	$186.30	$2.00	$414.00	$1.40	$289.80
227	Remove Concrete Sidewalk	SF	130.00	$0.95	$123.50	$0.90	$117.00	$1.00	$130.00	$1.40	$182.00
228	Remove Bituminous Pavement 2"-4"	SY	390.00	$1.75	$682.50	$1.50	$585.00	$3.50	$1,365.00	$1.94	$756.60
229	Remove Bituminous Overlaid Concrete Pavement	SY	185.00	$8.00	$1,480.00	$7.00	$1,295.00	$12.00	$2,220.00	$8.10	$1,498.50
230	Remove Catch Basin or Manhole	EACH	2.00	$250.00	$500.00	$225.00	$450.00	$230.00	$460.00	$250.00	$500.00

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2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
231	Salvage Ductile Iron Fitting	EACH	1.00	$75.00	$75.00	$125.00	$125.00	$110.00	$110.00	$75.00	$75.00
232	Sawing Concrete Surfaces	LF	49.00	$4.75	$232.75	$5.00	$245.00	$5.00	$245.00	$5.94	$291.06
233	Coulter Cut Bituminous Pavement	LF	353.00	$1.15	$405.95	$0.95	$335.35	$2.00	$706.00	$1.46	$515.38
234	Hydra Hammer Edge Breaking Overlaid Concrete Pavement	LF	183.00	$1.50	$274.50	$1.50	$274.50	$1.50	$274.50	$1.89	$345.87
235	Aggregate Base Placed, Class 5	CY	131.00	$20.50	$2,685.50	$19.50	$2,554.50	$15.00	$1,965.00	$21.33	$2,794.23
236	Type LV 3 or 4 Wearing Course Mix Temporary	TON	67.00	$65.00	$4,355.00	$50.00	$3,350.00	$47.00	$3,149.00	$48.60	$3,256.20
237	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10.00	$10.00	$100.00	$5.00	$50.00	$23.00	$230.00	$8.00	$80.00
238	Unknown Field Tile Repair Connection (As Directed)	EACH	2.00	$65.00	$130.00	$50.00	$100.00	$250.00	$500.00	$150.00	$300.00
239	Construct Drainage Structure, Des N w/sediment trap	EACH	1.00	$1,250.00	$1,250.00	$1,250.00	$1,250.00	$1,250.00	$1,250.00	$1,075.00	$1,075.00
240	Concrete Plug 4" -12" Pipe (As Directed)	EACH	10.00	$50.00	$500.00	$50.00	$500.00	$45.00	$450.00	$75.00	$750.00
241	Lean Mix Backfill for Pipe Support	CY	9.50	$90.00	$855.00	$100.00	$950.00	$125.00	$1,187.50	$125.00	$1,187.50
242	Silt Fence - Light Duty Preassembled	LF	15.00	$150.00	$2,250.00	$50.00	$750.00	$4.00	$60.00	$3.75	$56.25
243	Seed, Mixture 50B	LB	4.00	$25.00	$100.00	$10.00	$40.00	$10.50	$42.00	$25.92	$103.68
244	Sodding Lawn Type	SY	27.00	$7.00	$189.00	$5.00	$135.00	$5.25	$141.75	$3.19	$86.13
			TOTAL SCHEDULE 2		$60,437.05		$52,446.40		$67,986.75		$71,700.42
	SCHEDULE 3 - OKABENA STREET WATER										
300	Mobilization per Schedule	LS	1.00	$8,300.00	$8,300.00	$2,800.00	$2,800.00	$3,300.00	$3,300.00	$20,000.00	$20,000.00
301	4" Water Main PVC, SDR 18	LF	34.00	$22.00	$748.00	$22.00	$748.00	$15.00	$510.00	$19.00	$646.00
302	6" Water Main PVC, SDR 18	LF	15.00	$25.00	$375.00	$23.00	$345.00	$17.00	$255.00	$21.00	$315.00
303	8" Water Main PVC, SDR 18	LF	1215.00	$22.00	$26,730.00	$18.50	$22,477.50	$26.00	$31,590.00	$25.00	$30,375.00
304	10" Water Main PVC, SDR 18	LF	6.00	$26.00	$156.00	$28.00	$168.00	$32.00	$192.00	$28.00	$168.00
305	4" Sewer Repair Pipe PVC, SDR 18	LF	30.00	$18.00	$540.00	$14.50	$435.00	$22.00	$660.00	$21.00	$630.00
306	4" Sewer Repair Pipe PVC, SDR 35	LF	30.00	$18.00	$540.00	$14.00	$420.00	$21.00	$630.00	$21.00	$630.00
307	6" Storm Repair Pipe PVC, SDR 18	LF	6.00	$22.00	$132.00	$18.00	$108.00	$20.00	$120.00	$23.00	$138.00
308	10" Storm Repair Pipe PVC, SDR 18	LF	30.00	$28.00	$840.00	$22.00	$660.00	$27.00	$810.00	$29.00	$870.00
309	8" Gate Valve with Manhole	EACH	7.00	$2,800.00	$19,600.00	$2,800.00	$19,600.00	$3,000.00	$21,000.00	$2,089.00	$14,623.00
310	Water Service Connection (3/4")	EACH	13.00	$215.00	$2,795.00	$225.00	$2,925.00	$120.00	$1,560.00	$239.00	$3,107.00
311	Reinstall Water Service (3/4") (10'+)	EACH	1.00	$200.00	$200.00	$200.00	$200.00	$400.00	$400.00	$400.00	$400.00
312	Reinstall Water Service (3/4")(20'+)	EACH	10.00	$275.00	$2,750.00	$270.00	$2,700.00	$550.00	$5,500.00	$600.00	$6,000.00
313	Reinstall Water Service (3/4") (30'+) - Trenchless	EACH	1.00	$460.00	$460.00	$425.00	$425.00	$2,000.00	$2,000.00	$1,200.00	$1,200.00
314	Reinstall Water Service (3/4")(40'+) - Trenchless	EACH	1.00	$555.00	$555.00	$500.00	$500.00	$2,400.00	$2,400.00	$1,400.00	$1,400.00
315	Furnish & Install Curb Stop with Service Box 3/4"	EACH	12.00	$260.00	$3,120.00	$200.00	$2,400.00	$130.00	$1,560.00	$150.00	$1,800.00
316	Furnish & Install Hydrant Unit	EACH	3.00	$2,900.00	$8,700.00	$2,800.00	$8,400.00	$2,650.00	$7,950.00	$2,137.00	$6,411.00
317	F & I Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.00	$450.00	$450.00	$450.00	$450.00	$400.00	$400.00	$245.00	$245.00
318	Ductile Iron Fittings Polyethylene Encased	LB	3320.00	$2.70	$8,964.00	$2.75	$9,130.00	$3.80	$12,616.00	$2.00	$6,640.00
319	Granular Foundation (LV)	CY	20.00	$25.00	$500.00	$19.25	$385.00	$11.50	$230.00	$21.50	$430.00
320	Sewer Service Repair Connection 4"	EACH	10.00	$135.00	$1,350.00	$130.00	$1,300.00	$210.00	$2,100.00	$115.00	$1,150.00
321	Storm Repair Connection-6" PVC SDR 18 to NRCP Adaptor	EACH	1.00	$180.00	$180.00	$100.00	$100.00	$150.00	$150.00	$107.00	$107.00
322	Storm Repair Connection-10" PVC SDR18 to NRCP Adaptor	EACH	4.00	$205.00	$820.00	$115.00	$460.00	$220.00	$880.00	$114.00	$456.00
323	Exploratory Excavation	HOUR	4.00	$158.00	$632.00	$100.00	$400.00	$300.00	$1,200.00	$125.00	$500.00
324	Remove 4" to 15" Pipe	LF	334.00	$4.40	$1,469.60	$3.75	$1,252.50	$12.00	$4,008.00	$5.00	$1,670.00
325	Remove Concrete Driveway	SF	364.00	$1.05	$382.20	$0.90	$327.60	$2.00	$728.00	$1.40	$509.60

ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
326	Remove Concrete Sidewalk	SF	314.00	$0.95	$298.30	$0.90	$282.60	$1.00	$314.00	$1.40	$439.60
327	Remove Bituminous Pavement 2" - 4"	SY	20.00	$1.75	$35.00	$1.50	$30.00	$3.50	$70.00	$1.94	$38.80
328	Remove Bituminous Overlaid Concrete Pavement	SY	1515.00	$8.00	$12,120.00	$7.00	$10,605.00	$12.00	$18,180.00	$8.10	$12,271.50
329	Remove Catch Basin or Manhole	EACH	5.00	$250.00	$1,250.00	$225.00	$1,125.00	$230.00	$1,150.00	$250.00	$1,250.00
330	Remove Hydrant Unit	EACH	2.00	$215.00	$430.00	$250.00	$500.00	$260.00	$520.00	$300.00	$600.00
331	Sawing Concrete Surfaces	LF	303.00	$4.75	$1,439.25	$5.00	$1,515.00	$5.00	$1,515.00	$5.67	$1,718.01
332	Coulter Cut Bituminous Pavement	LF	1040.00	$1.15	$1,196.00	$5.50	$5,720.00	$2.00	$2,080.00	$1.35	$1,404.00
333	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	1040.00	$1.50	$1,560.00	$1.50	$1,560.00	$1.50	$1,560.00	$1.89	$1,965.60
334	Aggregate Base Placed, Class 5	CY	321.00	$20.50	$6,580.50	$19.50	$6,259.50	$15.00	$4,815.00	$21.33	$6,846.93
335	Type LV 3 or 4 Wearing Course Mix Temporary	TON	185.00	$65.00	$12,025.00	$50.00	$9,250.00	$47.00	$8,695.00	$48.60	$8,991.00
336	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10.00	$10.00	$100.00	$4.00	$40.00	$23.00	$230.00	$8.00	$80.00
337	Field Tile Repair Connection (As Directed)	EACH	2.00	$65.00	$130.00	$50.00	$100.00	$250.00	$500.00	$150.00	$300.00
338	Construct Drainage Structure, Des N	EACH	1.00	$1,100.00	$1,100.00	$1,100.00	$1,100.00	$1,100.00	$1,100.00	$1,045.00	$1,045.00
339	Concrete Plug 4" -12" Pipe (As Directed)	EACH	12.00	$50.00	$600.00	$50.00	$600.00	$45.00	$540.00	$75.00	$900.00
340	Storm Drain Inlet Protection Type Modified	EACH	19.00	$150.00	$2,850.00	$50.00	$950.00	$52.50	$997.50	$60.00	$1,140.00
341	Seed, Mixture 50B	LB	6.00	$25.00	$150.00	$10.00	$60.00	$10.50	$63.00	$25.92	$155.52
342	Sodding Lawn Type	SY	198.00	$7.00	$1,386.00	$5.00	$990.00	$5.25	$1,039.50	$3.19	$631.62
			TOTAL SCHEDULE 3		$134,538.85		$119,803.70		$146,118.00		$140,198.18
	SCHEDULE 4 - 13th STREET SANITARY										
400	Mobilization per Schedule	LS	1.00	$2,200.00	$2,200.00	$3,000.00	$3,000.00	$3,300.00	$3,300.00	$12,000.00	$12,000.00
401	4" PVC Sewer Pipe, SDR 35	LF	100.00	$18.00	$1,800.00	$12.50	$1,250.00	$22.00	$2,200.00	$21.00	$2,100.00
402	8" PVC Sewer Pipe, SDR 26 (0-8' Depth)	LF	420.00	$23.00	$9,660.00	$15.00	$6,300.00	$25.00	$10,500.00	$26.00	$10,920.00
403	Standard Manhole, 0-10' depth, w/casting	EACH	2.00	$2,500.00	$5,000.00	$2,100.00	$4,200.00	$1,500.00	$3,000.00	$1,877.00	$3,754.00
404	Granular Foundation (LV)	CY	7.00	$25.00	$175.00	$19.25	$134.75	$11.50	$80.50	$27.00	$189.00
405	Sewer Main Repair Connection - 8"	EACH	2.00	$300.00	$600.00	$130.00	$260.00	$220.00	$440.00	$90.00	$180.00
406	Sewer Service Connection - 4" saddles only	EACH	11.00	$240.00	$2,640.00	$87.00	$957.00	$150.00	$1,650.00	$115.00	$1,265.00
407	Sewer Service Connection - 4" PVC x 18" clay saddle	EACH	1.00	$350.00	$350.00	$87.00	$87.00	$250.00	$250.00	$175.25	$175.25
408	Sewer Service Connection - 4" PVC x 24" clay saddle	EACH	1.00	$350.00	$350.00	$87.00	$87.00	$300.00	$300.00	$175.25	$175.25
409	Install Relocated Water Service 3/4" or 1"	EACH	6.00	$315.00	$1,890.00	$300.00	$1,800.00	$400.00	$2,400.00	$92.00	$552.00
410	Exploratory Excavation	HOUR	1.00	$158.00	$158.00	$100.00	$100.00	$300.00	$300.00	$125.00	$125.00
411	Remove 4" to 12" Pipe	LF	530.00	$4.40	$2,332.00	$3.75	$1,987.50	$12.00	$6,360.00	$5.00	$2,650.00
412	Remove Concrete Curb and Gutter	LF	30.00	$3.75	$112.50	$3.75	$112.50	$6.00	$180.00	$4.32	$129.60
413	Remove Concrete Sidewalk	SF	159.00	$0.95	$151.05	$0.90	$143.10	$1.00	$159.00	$1.40	$222.60
414	Remove Concrete Driveway	SF	78.00	$1.05	$81.90	$0.90	$70.20	$2.00	$156.00	$1.40	$109.20
415	Remove Bituminous Pavement	SY	540.00	$1.75	$945.00	$1.50	$810.00	$3.50	$1,890.00	$1.94	$1,047.60
416	Remove Bituminous Overlaid Concrete Pavement	SY	38.00	$8.00	$304.00	$7.00	$266.00	$12.00	$456.00	$8.10	$307.80
417	Remove Manhole	EACH	2.00	$250.00	$500.00	$225.00	$450.00	$230.00	$460.00	$250.00	$500.00
418	Sawing Concrete Surface	LF	50.00	$4.75	$237.50	$5.00	$250.00	$5.00	$250.00	$5.94	$297.00
419	Coulter Cut Bituminous Pavement	LF	505.00	$1.15	$580.75	$0.95	$479.75	$2.00	$1,010.00	$1.35	$681.75
420	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	72.00	$1.50	$108.00	$1.50	$108.00	$1.50	$108.00	$1.89	$136.08
421	Aggregate Base Placed, Class 5	CY	109.00	$20.50	$2,234.50	$19.50	$2,125.50	$15.00	$1,635.00	$21.33	$2,324.97
422	Type LV 3 or 4 Wearing Course Mix Temporary	TON	57.00	$65.00	$3,705.00	$50.00	$2,850.00	$47.00	$2,679.00	$48.60	$2,770.20
423	4-12" Corr. Polyethylene Pipe Drain (If Needed)	LF	10.00	$10.00	$100.00	$4.00	$40.00	$23.00	$230.00	$8.00	$80.00

ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
424	Unknown Field Tile Repair Connection (If Needed)	EACH	2.00	$75.00	$150.00	$50.00	$100.00	$250.00	$500.00	$150.00	$300.00
425	Concrete Plug 4"-12" Pipe (As Directed)	EACH	3.00	$50.00	$150.00	$50.00	$150.00	$45.00	$135.00	$75.00	$225.00
426	Lean Mix Backfill for Pipe Support	CY	2.00	$90.00	$180.00	$125.00	$250.00	$125.00	$250.00	$125.00	$250.00
427	Storm Drain Inlet Protection Type Modified	EACH	8.00	$150.00	$1,200.00	$50.00	$400.00	$52.50	$420.00	$60.00	$480.00
428	Seed, Mixture 50B	LB	3.00	$25.00	$75.00	$10.00	$30.00	$10.50	$31.50	$25.92	$77.76
429	Sodding Lawn Type	SY	27.00	$6.00	$162.00	$5.00	$135.00	$5.25	$141.75	$3.19	$86.13
			TOTAL SCHEDULE 4		$38,132.20		$28,933.30		$41,471.75		$44,111.19
	SCHEDULE 5 - CLARY/WINIFRED TRUNK SANITARY										
500	Mobilization per Schedule	LS	1.00	$8,100.00	$8,100.00	$4,500.00	$4,500.00	$3,300.00	$3,300.00	$25,000.00	$25,000.00
501	4" PVC Sewer Pipe, SDR 35	LF	40.00	$18.00	$720.00	$12.50	$500.00	$18.00	$720.00	$21.00	$840.00
502	6" PVC Sewer Pipe, SDR 35	LF	10.00	$21.00	$210.00	$15.00	$150.00	$19.00	$190.00	$23.00	$230.00
503	8" PVC Repair Sewer Pipe, SDR 18	LF	107.00	$23.00	$2,461.00	$19.00	$2,033.00	$25.00	$2,675.00	$27.00	$2,889.00
504	8" PVC Sewer Pipe, SDR 35, 0-10' Depth	LF	4.00	$22.00	$88.00	$25.00	$100.00	$22.00	$88.00	$25.00	$100.00
505	10" PVC Sewer Pipe SDR35, 0'-10' Depth	LF	4.00	$23.00	$92.00	$27.50	$110.00	$24.00	$96.00	$27.00	$108.00
506	18" PVC Sewer Pipe SDR35, 0'-10' Depth	LF	26.00	$39.00	$1,014.00	$25.00	$650.00	$50.00	$1,300.00	$35.00	$910.00
507	21" PVC Sewer Pipe SDR35, 0'-10' Depth	LF	1007.00	$45.00	$45,315.00	$28.00	$28,196.00	$58.00	$58,406.00	$40.00	$40,280.00
508	21" PVC Sewer Pipe SDR35, 10'-12' Depth	LF	54.00	$47.00	$2,538.00	$32.00	$1,728.00	$60.00	$3,240.00	$35.00	$1,890.00
509	8" Storm Repair Pipe PVC SDR 18	LF	20.00	$23.00	$460.00	$18.00	$360.00	$25.00	$500.00	$26.00	$520.00
510	Standard Manhole, 0-10' depth, w/casting	EACH	5.00	$2,500.00	$12,500.00	$2,200.00	$11,000.00	$2,600.00	$13,000.00	$2,654.00	$13,270.00
511	Sewer Main Repair Connection - 8" - 10"	EACH	6.00	$310.00	$1,860.00	$130.00	$780.00	$220.00	$1,320.00	$80.00	$480.00
512	Sewer Main Repair Connection - 18"	EACH	2.00	$350.00	$700.00	$200.00	$400.00	$320.00	$640.00	$140.00	$280.00
513	Sewer Service Connection (4")	EACH	8.00	$225.00	$1,800.00	$185.00	$1,480.00	$170.00	$1,360.00	$110.00	$880.00
514	Sewer Service Connection (6")	EACH	2.00	$250.00	$500.00	$200.00	$400.00	$180.00	$360.00	$118.00	$236.00
515	Granular Foundation (LV)	CY	17.00	$25.00	$425.00	$19.25	$327.25	$11.50	$195.50	$27.00	$459.00
516	Trench Box for Schedule 5-Sta 0+39 to 4+50 & 1+48 to 5+68	LS	1.00	$1,000.00	$1,000.00	$4,800.00	$4,800.00	$2,000.00	$2,000.00	$900.00	$900.00
517	Install Relocated Water Service 3/4" or 1"	EACH	3.00	$315.00	$945.00	$300.00	$900.00	$120.00	$360.00	$100.00	$300.00
518	Exploratory Excavation	HOUR	1.00	$158.00	$158.00	$100.00	$100.00	$300.00	$300.00	$125.00	$125.00
519	Storm Repair Connection - 8" PVC to PVC or NRCP Adaptor	EACH	4.00	$180.00	$720.00	$125.00	$500.00	$150.00	$600.00	$110.00	$440.00
520	Remove 4" to 12" Pipe	LF	251.00	$4.40	$1,104.40	$3.75	$941.25	$12.00	$3,012.00	$5.00	$1,255.00
521	Remove 13" to 18" Pipe	LF	1087.00	$6.50	$7,065.50	$3.75	$4,076.25	$16.00	$17,392.00	$8.00	$8,696.00
522	Remove Concrete Curb and Gutter	LF	60.00	$3.75	$225.00	$3.75	$225.00	$6.00	$360.00	$4.05	$243.00
523	Remove Bituminous Pavement	SY	154.00	$1.75	$269.50	$1.50	$231.00	$3.50	$539.00	$2.16	$332.64
524	Remove Bituminous Overlaid Concrete Pavement	SY	1597.00	$8.00	$12,776.00	$7.00	$11,179.00	$12.00	$19,164.00	$8.10	$12,935.70
525	Remove Catch Basin or Manhole	EACH	5.00	$250.00	$1,250.00	$225.00	$1,125.00	$230.00	$1,150.00	$250.00	$1,250.00
526	Remove Concrete Light Pole Base	EACH	1.00	$125.00	$125.00	$1.00	$1.00	$150.00	$150.00	$100.00	$100.00
527	Sawing Bituminous Overlaid Conc.Pavement-5.5" min.depth	LF	480.00	$6.25	$3,000.00	$5.50	$2,640.00	$5.20	$2,496.00	$6.48	$3,110.40
528	Saw Cut Concrete Surfaces	LF	319.00	$4.75	$1,515.25	$5.00	$1,595.00	$5.00	$1,595.00	$5.94	$1,894.86
529	Coulter Bituminous Surface	LF	616.00	$1.15	$708.40	$0.95	$585.20	$2.00	$1,232.00	$1.46	$899.36
530	Hydra Hammer Edge Breaking Concrete Pavement	LF	220.00	$1.50	$330.00	$1.50	$330.00	$1.50	$330.00	$1.89	$415.80
531	Aggregate Base Placed, Class 5	CY	472.00	$20.50	$9,676.00	$19.50	$9,204.00	$15.00	$7,080.00	$21.33	$10,067.76
532	Type LV 3 or 4 Wearing Course Mix Temporary	Ton	239.00	$65.00	$15,535.00	$50.00	$11,950.00	$47.00	$11,233.00	$48.60	$11,615.40
533	4-12" Corr. Polyethylene Pipe Drain	LF	20.00	$10.00	$200.00	$4.00	$80.00	$23.00	$460.00	$8.00	$160.00
534	Field Tile Repair Connection	EACH	4.00	$75.00	$300.00	$50.00	$200.00	$250.00	$1,000.00	$150.00	$600.00

ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
535	Concrete Plug 4"-18" Pipe (As Directed)	EACH	5.00	$90.00	$450.00	$50.00	$250.00	$45.00	$225.00	$75.00	$375.00
536	12" RC Pipe, Class III	LF	26.00	$26.00	$676.00	$15.00	$390.00	$35.00	$910.00	$27.00	$702.00
537	Storm Pipe Repair Connection - 12"RCP SDR 18 to 12" RCP	EACH	4.00	$200.00	$800.00	$200.00	$800.00	$270.00	$1,080.00	$300.00	$1,200.00
538	Concrete Curb & Gutter, Design B618	LF	60.00	$20.00	$1,200.00	$20.00	$1,200.00	$25.00	$1,500.00	$12.00	$720.00
539	Storm Drain Inlet Protection Type Modified	EACH	16.00	$150.00	$2,400.00	$50.00	$800.00	$52.50	$840.00	$60.00	$960.00
540	Seed, Mixture 50B	LB	10.00	$25.00	$250.00	$10.00	$100.00	$10.50	$105.00	$25.92	$259.20
541	Sodding Lawn Type	SY	112.00	$6.00	$672.00	$5.00	$560.00	$5.25	$588.00	$3.19	$357.28
542	Insulate Water Pipes (3" Insulation)	SF	64.00	$4.00	$256.00	$3.00	$192.00	$2.50	$160.00	$4.00	$256.00
			TOTAL SCHEDULE 5		$142,390.05		$107,668.95		$163,251.50		$148,542.40
	SCHEDULE 6 - OKABENA STREET SANITARY										
600	Mobilization per Schedule	LS	1.00	$2,600.00	$2,600.00	$2,500.00	$2,500.00	$3,300.00	$3,300.00	$22,000.00	$22,000.00
601	4" PVC Sewer Pipe, SDR 35	LF	48.00	$18.00	$864.00	$12.50	$600.00	$18.00	$864.00	$21.00	$1,008.00
602	8" PVC Sewer Pipe, SDR 26 (0-8' Depth)	LF	162.00	$23.00	$3,726.00	$15.00	$2,430.00	$25.00	$4,050.00	$26.00	$4,212.00
603	8" PVC Sewer Pipe, SDR 35 (0-10' Depth)	LF	246.00	$22.00	$5,412.00	$14.00	$3,444.00	$22.00	$5,412.00	$26.00	$6,396.00
604	12" PVC Sewer Pipe, SDR 35 (0-10' Depth)	LF	10.00	$30.00	$300.00	$18.50	$185.00	$27.00	$270.00	$29.00	$290.00
605	10" Storm Repair Pipe PVC SDR 18	LF	6.00	$30.00	$180.00	$22.00	$132.00	$26.00	$156.00	$29.00	$174.00
606	8" to 6" PVC Eccentric Reducer	EACH	1.00	$245.00	$245.00	$76.00	$76.00	$60.00	$60.00	$63.00	$63.00
607	Standard Manhole, 0-10' depth, w/casting	EACH	4.00	$2,500.00	$10,000.00	$2,100.00	$8,400.00	$1,800.00	$7,200.00	$2,006.00	$8,024.00
608	Extra Depth Manhole, (48" diameter)(10-13'deep)	LF	2.70	$150.00	$405.00	$200.00	$540.00	$65.00	$175.50	$111.00	$299.70
609	Inside Drop Connection - 8"	LS	1.00	$750.00	$750.00	$180.00	$180.00	$600.00	$600.00	$400.00	$400.00
610	Sewer Main Repair Connection - 8"	EACH	1.00	$300.00	$300.00	$130.00	$130.00	$220.00	$220.00	$80.00	$80.00
611	Sewer Main Repair Connection - 12"	EACH	2.00	$200.00	$400.00	$150.00	$300.00	$240.00	$480.00	$87.00	$174.00
612	Sewer Service Connection - 4"	EACH	9.00	$200.00	$1,800.00	$100.00	$900.00	$180.00	$1,620.00	$84.00	$756.00
613	Granular Foundation (LV)	CY	6.00	$25.00	$150.00	$19.25	$115.50	$11.50	$69.00	$27.00	$162.00
614	Install Relocated Water Service 3/4" or 1"	EACH	1.00	$315.00	$315.00	$300.00	$300.00	$120.00	$120.00	$86.00	$86.00
615	Storm Repair Connection-10" PVC SDR18 to NRCP Adaptor	EACH	1.00	$205.00	$205.00	$200.00	$200.00	$220.00	$220.00	$128.00	$128.00
616	Exploratory Excavation	HOUR	1.00	$158.00	$158.00	$100.00	$100.00	$300.00	$300.00	$125.00	$125.00
617	Remove 4" to 12" Pipe	LF	502.00	$4.40	$2,208.80	$3.75	$1,882.50	$12.00	$6,024.00	$5.00	$2,510.00
618	Remove Concrete Driveway	SF	25.00	$1.05	$26.25	$0.90	$22.50	$2.00	$50.00	$1.40	$35.00
619	Remove Bituminous Overlaid Concrete Pavement	SY	600.00	$8.00	$4,800.00	$7.00	$4,200.00	$12.00	$7,200.00	$8.10	$4,860.00
620	Remove Manhole Sanitary or Storm	EACH	5.00	$250.00	$1,250.00	$375.00	$1,875.00	$230.00	$1,150.00	$250.00	$1,250.00
621	Sawing Concrete Surface	LF	23.00	$4.75	$109.25	$5.00	$115.00	$5.00	$115.00	$5.94	$136.62
622	Coulter Cut Bituminous Pavement	LF	578.00	$1.15	$664.70	$0.95	$549.10	$2.00	$1,156.00	$1.46	$843.88
623	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	578.00	$1.50	$867.00	$1.50	$867.00	$1.50	$867.00	$1.89	$1,092.42
624	Aggregate Base Placed, Class 5	CY	104.00	$20.50	$2,132.00	$19.50	$2,028.00	$15.00	$1,560.00	$21.33	$2,218.32
625	Type LV 3 or 4 Wearing Course Mix Temporary	TON	62.00	$65.00	$4,030.00	$50.00	$3,100.00	$47.00	$2,914.00	$48.60	$3,013.20
626	4-12" Corr. Polyethylene Pipe Drain (If Needed)	LF	10.00	$10.00	$100.00	$4.00	$40.00	$23.00	$230.00	$8.00	$80.00
627	Unknown Field Tile Repair Connection (If Needed)	EACH	2.00	$75.00	$150.00	$50.00	$100.00	$250.00	$500.00	$150.00	$300.00
628	Concrete Plug 4"-12" Pipe (As Directed)	EACH	3.00	$50.00	$150.00	$50.00	$150.00	$45.00	$135.00	$75.00	$225.00
629	Lean Mix Backfill for Pipe Support	CY	1.00	$90.00	$90.00	$100.00	$100.00	$125.00	$125.00	$125.00	$125.00
630	Storm Drain Inlet Protection Type Modified	EACH	5.00	$150.00	$750.00	$50.00	$250.00	$52.50	$262.50	$60.00	$300.00
631	Seed, Mixture 50B	LB	3.00	$25.00	$75.00	$10.00	$30.00	$10.50	$31.50	$25.92	$77.76
632	Sodding Lawn Type	SY	42.00	$6.00	$252.00	$5.00	$210.00	$5.25	$220.50	$3.19	$133.98

ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate Unit Price	Engineer's Estimate Amount	**LARSON CRANE SERVICE, INC.** Unit Price	**LARSON CRANE SERVICE, INC.** Amount	Quam Construction Co. Inc. Unit Price	Quam Construction Co. Inc. Amount	H & W Contracting LLC. Unit Price	H & W Contracting LLC. Amount
			TOTAL SCHEDULE 6		$45,465.00		$36,051.60		$47,657.00		$61,578.88
	SCHEDULE 7 - SANITARY SEWER SPOT REPAIRS										
700	Mobilization per Schedule	LS	1.00	$350.00	$350.00	$2,500.00	$2,500.00	$3,300.00	$3,300.00	$7,000.00	$7,000.00
701	6" PVC Repair Pipe, SDR 18	LF	15.00	$28.00	$420.00	$15.00	$225.00	$23.00	$345.00	$24.00	$360.00
702	Standard Manhole, 0-10' Depth	EACH	1.00	$2,700.00	$2,700.00	$2,200.00	$2,200.00	$1,800.00	$1,800.00	$5,491.00	$5,491.00
703	Extra Depth Manhole, (48" diameter)(10-13'deep)	LF	0.70	$150.00	$105.00	$200.00	$140.00	$65.00	$45.50	$111.00	$77.70
704	Sewer Main Repair Connection - 6"	EACH	2.00	$185.00	$370.00	$130.00	$260.00	$190.00	$380.00	$76.18	$152.36
705	Granular Foundation (LV)	CY	1.00	$25.00	$25.00	$19.25	$19.25	$11.50	$11.50	$27.00	$27.00
706	Exploratory Excavation	HOUR	1.00	$158.00	$158.00	$100.00	$100.00	$300.00	$300.00	$125.00	$125.00
707	Remove Manhole	EACH	1.00	$325.00	$325.00	$325.00	$325.00	$230.00	$230.00	$250.00	$250.00
708	Remove 4" to 12" Pipe	LF	25.00	$5.00	$125.00	$3.75	$93.75	$12.00	$300.00	$5.00	$125.00
709	Remove Bituminous Overlaid Concrete Pavement	SY	28.00	$9.00	$252.00	$7.00	$196.00	$12.00	$336.00	$8.10	$226.80
710	Sawing Bituminous Surface	LF	26.00	$4.00	$104.00	$4.00	$104.00	$3.00	$78.00	$4.59	$119.34
711	Hydra Hammer Edge Breaking Overlaid Conc. Pavement	LF	26.00	$1.50	$39.00	$1.50	$39.00	$1.50	$39.00	$1.89	$49.14
712	7" Concrete Pavement High Early	SY	28.00	$37.00	$1,036.00	$45.00	$1,260.00	$600.00	$16,800.00	$40.00	$1,120.00
713	Type LV 3 or 4 Wearing Course Mix Permanent	TON	1.00	$65.00	$65.00	$50.00	$50.00	$47.00	$47.00	$48.60	$48.60
714	4-12" Corr. Polyethylene Drain Repair Pipe (If Needed)	LF	10.00	$10.00	$100.00	$4.00	$40.00	$23.00	$230.00	$8.00	$80.00
715	Unknown Field Tile Repair Connection (If Needed)	EACH	2.00	$75.00	$150.00	$50.00	$100.00	$250.00	$500.00	$150.00	$300.00
716	Concrete Plug 4" -12" Pipe (As Directed)	EACH	1.00	$50.00	$50.00	$50.00	$50.00	$45.00	$45.00	$75.00	$75.00
			TOTAL SCHEDULE 7		$6,374.00		$7,702.00		$24,787.00		$15,626.94
	SCHEDULE 8-WEST OKABENA ST STORM IMPROVEMENT										
2021.501	Mobilization per Schedule	LS	1.00	$6,700.00	$6,700.00	$3,500.00	$3,500.00	$3,300.00	$3,300.00	$20,000.00	$20,000.00
2104.501	Remove 4" to 12" Pipe	LF	1056.00	$4.40	$4,646.40	$3.75	$3,960.00	$12.00	$12,672.00	$5.00	$5,280.00
2104.501	Remove 13" to 18" Pipe	LF	65.00	$6.50	$422.50	$3.75	$243.75	$16.00	$1,040.00	$8.00	$520.00
2104.501	Remove Curb and Gutter	LF	155.00	$3.75	$581.25	$3.75	$581.25	$6.00	$930.00	$4.05	$627.75
2104.503	Remove Concrete Driveway	SF	100.00	$1.05	$105.00	$0.90	$90.00	$2.00	$200.00	$1.40	$140.00
2104.503	Remove Concrete Sidewalk	SF	87.00	$0.95	$82.65	$0.90	$78.30	$1.00	$87.00	$1.40	$121.80
2104.505	Remove Bituminous Pavement	SY	958.00	$1.75	$1,676.50	$1.50	$1,437.00	$3.50	$3,353.00	$2.16	$2,069.28
2104.505	Remove Concrete Pavement	SY	246.00	$8.00	$1,968.00	$7.00	$1,722.00	$12.00	$2,952.00	$8.10	$1,992.60
2104.509	Remove Catch Basin or Manhole	EACH	11.00	$250.00	$2,750.00	$300.00	$3,300.00	$230.00	$2,530.00	$250.00	$2,750.00
2104.511	Sawing Concrete Surfaces	LF	202.00	$4.75	$959.50	$5.00	$1,010.00	$5.00	$1,010.00	$5.94	$1,199.88
2104.514	Coulter Cut Bituminous Pavement	LF	947.00	$1.15	$1,089.05	$0.95	$899.65	$2.00	$1,894.00	$1.35	$1,278.45
2105.523	Common Borrow (LV) (As Needed)	CY	46.00	$11.00	$506.00	$10.00	$460.00	$11.00	$506.00	$11.07	$509.22
2118.502	Aggregate Surfacing, Class 5 (LV)	CY	2.00	$14.00	$28.00	$19.50	$39.00	$15.00	$30.00	$21.33	$42.66
2123.526	Equipment Rental for Exploratory Excavation	HOUR	5.00	$158.00	$790.00	$100.00	$500.00	$300.00	$1,500.00	$125.00	$625.00
2211.503	Aggregate Base (CV), Class 5	CY	236.00	$20.50	$4,838.00	$19.50	$4,602.00	$15.00	$3,540.00	$21.33	$5,033.88
2350.501	Type LV 3 or 4 Wearing Course Mix Temporary	TON	120.00	$65.00	$7,800.00	$50.00	$6,000.00	$47.00	$5,640.00	$48.60	$5,832.00
2451.507	Granular Foundation (LV) (If Needed)	CY	17.00	$25.00	$425.00	$19.25	$327.25	$11.50	$195.50	$27.00	$459.00
2502.541	4-12" Corr. Polyethylene Drain Repair Pipe (If Needed)	LF	28.00	$10.00	$280.00	$4.00	$112.00	$23.00	$644.00	$8.00	$224.00
2502.573	Pipe Drain Repair Connection (As Needed)	EACH	4.00	$75.00	$300.00	$50.00	$200.00	$250.00	$1,000.00	$150.00	$600.00

ABSTRACT OF BIDS (4-12-02)
WORTHINGTON, MINNESOTA
2002 WATER AND SEWER RECONSTRUCTION

				Engineer's Estimate		**LARSON CRANE SERVICE, INC.**		Quam Construction Co. Inc.		H & W Contracting LLC.	
Item No.	Item Description	Unit	Approx. Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
2502.573	Pipe Drain Tie-in Connection (As Needed)	EACH	4.00	$125.00	$500.00	$65.00	$260.00	$200.00	$800.00	$200.00	$800.00
2503.511	6" PVC Storm Repair Pipe, SDR 18	LF	7.00	$22.00	$154.00	$15.00	$105.00	$20.00	$140.00	$24.00	$168.00
2503.511	8" PVC Storm Repair Pipe, SDR 18	LF	16.00	$24.00	$384.00	$17.00	$272.00	$25.00	$400.00	$27.00	$432.00
2503.511	12" PVC Storm Repair Pipe, SDR 18	LF	40.00	$30.00	$1,200.00	$22.00	$880.00	$29.00	$1,160.00	$32.00	$1,280.00
2503.511	12" RCP Sewer, Class III	LF	710.00	$24.00	$17,040.00	$15.00	$10,650.00	$28.00	$19,880.00	$32.00	$22,720.00
2503.511	15" RCP Sewer, Class III	LF	236.00	$26.26	$6,197.36	$18.00	$4,248.00	$30.00	$7,080.00	$35.00	$8,260.00
2503.511	18" RCP Pipe, Class III	LF	47.00	$29.25	$1,374.75	$21.00	$987.00	$35.00	$1,645.00	$38.00	$1,786.00
2503.511	24" RCP Pipe, Class III	LF	80.00	$35.00	$2,800.00	$28.00	$2,240.00	$41.00	$3,280.00	$44.00	$3,520.00
2503.573	6" to 8" PVC Storm Repair Connection	EACH	4.00	$180.00	$720.00	$165.00	$660.00	$150.00	$600.00	$110.00	$440.00
2503.573	10" to 12" PVC Storm Repair Connection	EACH	3.00	$215.00	$645.00	$185.00	$555.00	$170.00	$510.00	$117.00	$351.00
2503.573	Storm Repair Connection - 12" RCP to RCP joint connection	EACH	1.00	$250.00	$250.00	$200.00	$200.00	$270.00	$270.00	$109.00	$109.00
2503.573	15" Sanitary Over - 12" Storm Crossing	LS	1.00	$650.00	$650.00	$400.00	$400.00	$350.00	$350.00	$600.00	$600.00
2503.573	15" Sanitary Under - 24" Storm Crossing	LS	1.00	$650.00	$650.00	$600.00	$600.00	$350.00	$350.00	$800.00	$800.00
2503.573	4" Sanitary Service thru Storm Pipe	LS	6.00	$485.00	$2,910.00	$250.00	$1,500.00	$400.00	$2,400.00	$400.00	$2,400.00
2503.573	Storm Tie-in Connection to Storm System - 6" to 8" PVC	EACH	4.00	$225.00	$900.00	$150.00	$600.00	$100.00	$400.00	$200.00	$800.00
2503.573	Storm Tie-in Connection to Existing Struct.-12" PVC or RCP	EACH	2.00	$250.00	$500.00	$200.00	$400.00	$150.00	$300.00	$250.00	$500.00
2503.573	Storm Tie-in Connection to Existing Structure - 24" RCP	EACH	1.00	$435.00	$435.00	$250.00	$250.00	$200.00	$200.00	$400.00	$400.00
2503.573	Concrete Plug 4" -12" Pipe (As Directed)	EACH	20.00	$50.00	$1,000.00	$50.00	$1,000.00	$45.00	$900.00	$75.00	$1,500.00
2506.502	Construct Drainage Struct Des F mod short cone & sed	EACH	8.00	$1,625.00	$13,000.00	$1,850.00	$14,800.00	$1,800.00	$14,400.00	$1,556.00	$12,448.00
2506.502	Construct Drainage Structure, Des N	EACH	4.00	$1,100.00	$4,400.00	$1,100.00	$4,400.00	$1,100.00	$4,400.00	$1,031.00	$4,124.00
2506.502	Construct Drainage Structure, Des N w/sed	EACH	8.00	$1,250.00	$10,000.00	$1,250.00	$10,000.00	$1,250.00	$10,000.00	$1,274.00	$10,192.00
2520.501	Lean Mix Backfill Pipe Abandonment or Support	CY	19.80	$90.00	$1,782.00	$100.00	$1,980.00	$125.00	$2,475.00	$125.00	$2,475.00
2573.53	Storm Drain Inlet Protection Type Modified	EACH	19.00	$150.00	$2,850.00	$50.00	$950.00	$52.50	$997.50	$60.00	$1,140.00
2575.502	Seed, Mixture 50B	LB	4.00	$25.00	$100.00	$10.00	$40.00	$10.50	$42.00	$25.92	$103.68
2575.505	Sodding Lawn Type	SY	49.00	$7.00	$343.00	$5.00	$245.00	$5.25	$257.25	$3.19	$156.31
2611.511	6" Water Main PVC, SDR 18	LF	20.00	$24.00	$480.00	$18.00	$360.00	$17.00	$340.00	$16.00	$320.00
2611.515	Install Relocated Water Service	EACH	13.00	$315.00	$4,095.00	$300.00	$3,900.00	$120.00	$1,560.00	$100.00	$1,300.00
2611.522	Ductile Iron Fittings Polyethylene Encased	LB	300.00	$2.70	$810.00	$2.75	$825.00	$3.80	$1,140.00	$2.00	$600.00
2611.531	Insulation for Water Pipes (3")	SF	160.00	$4.00	$640.00	$3.00	$480.00	$2.50	$400.00	$4.00	$640.00
2621.511	4" PVC Sewer Pipe SDR 18	LF	72.00	$25.00	$1,800.00	$14.50	$1,044.00	$23.00	$1,656.00	$21.00	$1,512.00
2621.511	4" PVC Sewer Pipe SDR 35	LF	84.00	$25.00	$2,100.00	$13.00	$1,092.00	$22.00	$1,848.00	$21.00	$1,764.00
2621.511	15" PVC Sewer Pipe SDR 35	LF	12.00	$36.00	$432.00	$20.00	$240.00	$34.00	$408.00	$30.00	$360.00
2621.521	Sewer Service Repair Connection - 4"	EACH	13.00	$135.00	$1,755.00	$58.00	$754.00	$160.00	$2,080.00	$73.00	$949.00
2621.521	Sewer Main Repair Connection - 15"	EACH	4.00	$325.00	$1,300.00	$110.00	$440.00	$260.00	$1,040.00	$161.10	$644.40
2621.521	Sewer Service Connection - 4" PVC x 15" PVC saddle	EACH	13.00	$275.00	$3,575.00	$77.00	$1,001.00	$220.00	$2,860.00	$94.00	$1,222.00
		TOTAL SCHEDULE NO.8			$123,719.96		$97,420.20		$129,592.25		$136,121.91
		TOTAL SCHEDULES NO.1 - 8			$688,490.11		$566,803.15		$760,016.25		$762,682.75