

**ABSTRACT OF BIDS (4-29-05)**  
**WORTHINGTON, MINNESOTA**  
**2005 WATER AND SEWER IMPROVEMENTS**

				Engineer's Estimate		LARSON CRANE SERVICE, INC.		H & W Contracting, LLC.	
Item No.	Item Description	Unit	Approx. Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
SCHEDULE 1 - OXFORD STREET WATER									
100	Mobilization per Schedule	LS	1.0	\$8,500.00	\$8,500.00	\$500.00	\$500.00	\$38,000.00	\$38,000.00
101	6" Water Main PVC SDR 18	LF	32.0	\$25.00	\$800.00	\$25.50	\$816.00	\$19.00	\$608.00
102	8" Water Main PVC SDR 18	LF	778.0	\$27.00	\$21,006.00	\$24.25	\$18,866.50	\$29.00	\$22,562.00
103	10" Water Main PVC SDR 18	LF	5.0	\$28.00	\$140.00	\$32.00	\$160.00	\$27.00	\$135.00
104	8" Storm Repair Pipe PVC SDR 18	LF	20.0	\$27.00	\$540.00	\$52.00	\$1,040.00	\$25.00	\$500.00
105	Install 6" Gate Valve with Valve Box	EACH	1.0	\$370.00	\$370.00	\$650.00	\$650.00	\$300.00	\$300.00
106	Install 8" Gate Valve	EACH	1.0	\$370.00	\$370.00	\$300.00	\$300.00	\$300.00	\$300.00
107	Construct Manhole for Gate Valve	EACH	1.0	\$1,900.00	\$1,900.00	\$3,200.00	\$3,200.00	\$3,310.00	\$3,310.00
108	Excavate & Backfill for City Wet Tapped Valve	LS	1.0	\$900.00	\$900.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
109	Water Service Connection (1")	EACH	5.0	\$320.00	\$1,600.00	\$345.00	\$1,725.00	\$213.00	\$1,065.00
110	Reinstall Water Service (1" )(20'+) - Trenchless	EACH	3.0	\$475.00	\$1,425.00	\$500.00	\$1,500.00	\$792.00	\$2,376.00
111	Furnish and Install Curb Stop with Service Box 1"	EACH	3.0	\$300.00	\$900.00	\$255.00	\$765.00	\$189.00	\$567.00
112	Install Hydrant Unit	EACH	1.0	\$3,000.00	\$3,000.00	\$900.00	\$900.00	\$757.00	\$757.00
113	Install Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.0	\$450.00	\$450.00	\$80.00	\$80.00	\$150.00	\$150.00
114	Ductile Iron Fittings Poly. Encased	LB	2890.0	\$2.75	\$7,947.50	\$3.00	\$8,670.00	\$3.00	\$8,670.00
115	Insulate Water Pipes (3" Insulation)	SF	128.0	\$8.00	\$1,024.00	\$3.20	\$409.60	\$3.00	\$384.00
116	PVC SDR18 Pipe Insulation 4" Thick Styrofoam Encasement	LF	40.0	\$20.00	\$800.00	\$100.00	\$4,000.00	\$76.00	\$3,040.00
117	Granular Foundation (LV)	CY	9.0	\$23.50	\$211.50	\$21.00	\$189.00	\$50.00	\$450.00
118	Storm Pipe Repair Connection - 8" PVC to Clay Adaptor	EACH	2.0	\$180.00	\$360.00	\$175.00	\$350.00	\$262.00	\$524.00
119	Exploratory Excavation	HOURL	2.0	\$175.00	\$350.00	\$125.00	\$250.00	\$150.00	\$300.00
120	Remove 4" to 12" Pipe	LF	60.0	\$5.50	\$330.00	\$4.25	\$255.00	\$15.00	\$900.00
121	Remove 16" - 20" Steel Casing Pipe	LF	10.0	\$10.00	\$100.00	\$50.00	\$500.00	\$25.00	\$250.00
122	Remove Concrete Curb and Gutter	LF	241.0	\$4.00	\$964.00	\$5.00	\$1,205.00	\$5.50	\$1,325.50
123	Remove Concrete Driveway	SF	247.0	\$1.30	\$321.10	\$1.75	\$432.25	\$1.90	\$469.30
124	Remove Concrete Sidewalk	SF	708.0	\$1.15	\$814.20	\$1.75	\$1,239.00	\$2.20	\$1,557.60
125	Remove Bituminous Pavement 2"	SY	37.0	\$2.00	\$74.00	\$7.00	\$259.00	\$7.70	\$284.90
126	Remove Bituminous Pavement 9" - 10"	SY	66.0	\$5.00	\$330.00	\$12.00	\$792.00	\$11.00	\$726.00
127	Remove Bituminous Overlay Concrete Pavement	SY	955.0	\$9.00	\$8,595.00	\$12.00	\$11,460.00	\$11.00	\$10,505.00
128	Remove Catch Basin or Manhole	EACH	3.0	\$350.00	\$1,050.00	\$450.00	\$1,350.00	\$500.00	\$1,500.00
129	Sawing Concrete Surfaces	LF	235.0	\$5.00	\$1,175.00	\$5.25	\$1,233.75	\$5.50	\$1,292.50
130	Saw Cut Bituminous Pavement	LF	10.0	\$3.50	\$35.00	\$4.50	\$45.00	\$3.85	\$38.50
131	Sawing Full Depth Bituminous Pavement-5.5" min depth cut	LF	88.0	\$6.00	\$528.00	\$7.50	\$660.00	\$5.50	\$484.00
132	Coultter Cut Bituminous Pavement - Surface	LF	873.0	\$1.25	\$1,091.25	\$1.50	\$1,309.50	\$2.20	\$1,920.60
133	Hydra Hammer Edge Breaking Overlay Conc. Pavement	LF	840.0	\$1.85	\$1,554.00	\$2.25	\$1,890.00	\$2.20	\$1,848.00
134	Salvage Gate Valve or Hydrant	EACH	1.0	\$225.00	\$225.00	\$400.00	\$400.00	\$225.00	\$225.00
135	Salvage Casting	EACH	3.0	\$115.00	\$345.00	\$175.00	\$525.00	\$100.00	\$300.00
136	Aggregate Base Placed, Class 5	CY	71.0	\$20.90	\$1,483.90	\$21.00	\$1,491.00	\$26.40	\$1,874.40
137	Concrete Pavement Irregular Width	SY	955.0	\$23.00	\$21,965.00	\$35.00	\$33,425.00	\$38.50	\$36,767.50
138	Structural Concrete HE	CY	212.0	\$90.00	\$19,080.00	\$110.00	\$23,320.00	\$119.00	\$25,228.00
139	Type LV 3 or LV 4 Wearing Course Mixture (C)	TON	278.0	\$60.00	\$16,680.00	\$88.00	\$24,464.00	\$93.50	\$25,993.00
140	Bituminous Material for Tack Coat	GAL	103.0	\$1.20	\$123.60	\$2.50	\$257.50	\$2.00	\$206.00
141	4-12" Corr. Polyethylene Pipe Drain	LF	10.0	\$12.00	\$120.00	\$3.00	\$30.00	\$10.00	\$100.00
142	Unknown Field Tile Repair Connection (As Directed)	EACH	2.0	\$75.00	\$150.00	\$25.00	\$50.00	\$250.00	\$500.00
143	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	5.0	\$68.00	\$340.00	\$75.00	\$375.00	\$100.00	\$500.00
144	Lean Mix Backfill for Pipe Support	CY	4.0	\$110.00	\$440.00	\$100.00	\$400.00	\$100.00	\$400.00
145	Concrete Curb & Gutter, Design B612	LF	142.0	\$17.00	\$2,414.00	\$30.00	\$4,260.00	\$31.90	\$4,529.80
146	Concrete Curb & Gutter, Design B618	LF	10.0	\$18.00	\$180.00	\$36.00	\$360.00	\$38.50	\$385.00
147	Concrete Curb & Gutter, Design B624	LF	89.0	\$19.00	\$1,691.00	\$30.00	\$2,670.00	\$31.90	\$2,839.10
148	Traffic Control	LS	1.0	\$5,000.00	\$5,000.00	\$1,800.00	\$1,800.00	\$3,850.00	\$3,850.00
149	Inlet Protection	EACH	13.0	\$100.00	\$1,300.00	\$50.00	\$650.00	\$150.00	\$1,950.00
150	Seed, Mixture 270RT	LB	2.0	\$50.00	\$100.00	\$25.00	\$50.00	\$1,100.00	\$2,200.00
151	Sodding Lawn Type	SY	17.0	\$10.00	\$170.00	\$20.00	\$340.00	\$110.00	\$1,870.00
TOTAL SCHEDULE 1					\$141,363.05		\$163,369.10		\$218,317.70
SCHEDULE 2 - TOWER STREET WATER									
200	Mobilization per Schedule	LS	1.0	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$17,000.00	\$17,000.00
201	6" Water Main PVC, SDR 18	LF	5.0	\$25.00	\$125.00	\$25.00	\$125.00	\$18.00	\$90.00
202	8" Water Main PVC SDR 18	LF	175.0	\$27.00	\$4,725.00	\$24.25	\$4,243.75	\$22.00	\$3,850.00
203	12" Water Main PVC SDR 18	LF	745.0	\$30.00	\$22,350.00	\$27.50	\$20,487.50	\$32.00	\$23,840.00
204	10" Storm Repair Pipe PVC SDR 18	LF	10.0	\$28.00	\$280.00	\$52.00	\$520.00	\$28.00	\$280.00
205	Install 8" Gate Valve	EACH	3.0	\$370.00	\$1,110.00	\$300.00	\$900.00	\$300.00	\$900.00
206	Install 12" Gate Valve	EACH	2.0	\$370.00	\$740.00	\$450.00	\$900.00	\$300.00	\$600.00
207	Construct Manhole for Gate Valve	EACH	4.0	\$1,900.00	\$7,600.00	\$1,800.00	\$7,200.00	\$2,009.00	\$8,036.00
209	Construct Manhole (3' Eccentric Cone) for Gate Valve	EACH	1.0	\$1,900.00	\$1,900.00	\$3,200.00	\$3,200.00	\$1,115.00	\$1,115.00
210	Water Service Connection (1")	EACH	1.0	\$320.00	\$320.00	\$345.00	\$345.00	\$324.00	\$324.00
211	Reinstall Water Service (1") (30'+)	EACH	1.0	\$1,100.00	\$1,100.00	\$500.00	\$500.00	\$423.00	\$423.00
212	Furnish and Install Curb Stop with Service Box 3/4"	EACH	1.0	\$200.00	\$200.00	\$250.00	\$250.00	\$176.00	\$176.00
213	Install Hydrant Unit	EACH	2.0	\$3,000.00	\$6,000.00	\$900.00	\$1,800.00	\$900.00	\$1,800.00
214	Install Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.0	\$450.00	\$450.00	\$80.00	\$80.00	\$125.00	\$125.00
215	Ductile Iron Fittings Poly. Encased	LB	2570.0	\$2.75	\$7,067.50	\$3.00	\$7,710.00	\$3.00	\$7,710.00
216	Granular Foundation (LV)	CY	11.0	\$23.50	\$258.50	\$21.00	\$231.00	\$40.00	\$440.00
217	Storm Pipe Repair Connection - 10" PVC to Clay Adaptor	EACH	1.0	\$180.00	\$180.00	\$150.00	\$150.00	\$217.00	\$217.00
218	Storm Pipe Repair Connection - 10" PVC to PVC	EACH	1.0	\$180.00	\$180.00	\$150.00	\$150.00	\$217.00	\$217.00
219	Exploratory Excavation	HOURL	3.0	\$175.00	\$525.00	\$100.00	\$300.00	\$150.00	\$450.00
220	Remove 4" to 12" Pipe	LF	478.0	\$5.50	\$2,629.00	\$4.25	\$2,031.50	\$10.00	\$4,780.00
221	Remove Concrete Curb and Gutter	LF	80.0	\$4.00	\$320.00	\$5.00	\$400.00	\$8.80	\$704.00
222	Remove Concrete Driveway	SF	113.0	\$1.30	\$146.90	\$1.75	\$197.75	\$1.90	\$214.70
223	Remove Concrete Sidewalk	SF	48.0	\$1.15	\$55.20	\$1.75	\$84.00	\$4.40	\$211.20
224	Remove Bituminous Pavement 2" - 3"	SY	771.0	\$2.00	\$1,542.00	\$7.00	\$5,397.00	\$7.70	\$5,936.70
225	Remove Bituminous Overlay Concrete Pavement	SY	7.0	\$9.00	\$63.00	\$12.00	\$84.00	\$13.20	\$92.40
226	Remove Catch Basin or Manhole	EACH	2.0	\$350.00	\$700.00	\$450.00	\$900.00	\$300.00	\$600.00
227	Sawing Concrete Surfaces	LF	26.0	\$5.00	\$130.00	\$5.25	\$136.50	\$5.50	\$143.00
228	Coultter Cut Bituminous Pavement - Surface	LF	772.0	\$1.25	\$965.00	\$1.50	\$1,158.00	\$2.20	\$1,698.40
229	Salvage,Temporary Stockpile & Reinstall Agg. Base CL5(LV)	CY	298.0	\$3.25	\$968.50	\$10.00	\$2,980.00	\$28.60	\$8,522.80
230	Salvage Ductile Iron Fitting	EACH	6.0	\$115.00	\$690.00	\$100.00	\$600.00	\$125.00	\$750.00
231	Salvage Gate Valve or Hydrant	EACH	4.0	\$225.00	\$900.00	\$400.00	\$1,600.00	\$225.00	\$900.00
232	F & I Repair Geotextile Separation Fabric Type IV mod.	SY	677.0	\$3.30	\$2,234.10	\$10.00	\$6,770.00	\$5.50	\$3,723.50
233	Aggregate Surfacing, Class 5 (LV)	CY	7.0	\$20.00	\$140.00	\$12.00	\$84.00	\$11.00	\$77.00
234	Aggregate Base Placed, Class 5	CY	41.0	\$20.90	\$856.90	\$18.00	\$738.00	\$26.40	\$1,082.40

**ABSTRACT OF BIDS (4-29-05)**  
**WORTHINGTON, MINNESOTA**  
**2005 WATER AND SEWER IMPROVEMENTS**

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate		LARSON CRANE SERVICE, INC.		H & W Contracting, LLC.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
235	Aggregate Base (LV), Class 5 (As Needed)	CY	123.0	\$20.00	\$2,460.00	\$9.00	\$1,107.00	\$11.00	\$1,353.00
236	Type LV 3 or 4 Wearing Course Mix Temporary	TON	69.0	\$60.00	\$4,140.00	\$88.00	\$6,072.00	\$93.50	\$6,451.50
237	Fine Filter Aggregate (CV)	CY	10.0	\$25.00	\$250.00	\$15.00	\$150.00	\$25.00	\$250.00
238	4" Perf. P.E. Pipe Drain Repair-Subgrade Install in Fine Filter A	LF	335.0	\$1.75	\$586.25	\$8.00	\$2,680.00	\$12.00	\$4,020.00
239	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10.0	\$12.00	\$120.00	\$3.50	\$35.00	\$10.00	\$100.00
240	Unknown Field Tile Repair Connection (As Directed)	EACH	2.0	\$75.00	\$150.00	\$35.00	\$70.00	\$250.00	\$500.00
241	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	6.0	\$68.00	\$408.00	\$75.00	\$450.00	\$100.00	\$600.00
242	Traffic Control	LS	1.0	\$800.00	\$800.00	\$500.00	\$500.00	\$2,200.00	\$2,200.00
243	Inlet Protection	EACH	10.0	\$100.00	\$1,000.00	\$50.00	\$500.00	\$150.00	\$1,500.00
244	Seeding, Hydro Spreading	ACRE	0.3	\$4,925.00	\$1,231.25	\$4,850.00	\$1,212.50	\$9,900.00	\$2,475.00
245	Seed, Mixture 270RT	LB	30.0	\$4.00	\$120.00	\$4.50	\$135.00	\$27.50	\$825.00
246	Sodding Lawn Type	SY	117.0	\$8.50	\$994.50	\$20.00	\$2,340.00	\$55.00	\$6,435.00
247	Hydraulic Soil Stabilizer Type 5	TON	0.3	\$800.00	\$248.00	\$925.00	\$286.75	\$2,200.00	\$682.00
248	Water	M GAL	14.0	\$20.00	\$280.00	\$35.00	\$490.00	\$110.00	\$1,540.00
TOTAL SCHEDULE 2					\$85,239.60		\$88,781.25		\$125,960.60
<b>SCHEDULE 3 - WOODCREST AVENUE WATER</b>									
300	Mobilization per Schedule	LS	1.0	\$2,700.00	\$2,700.00	\$500.00	\$500.00	\$32,000.00	\$32,000.00
301	4" Water Main PVC, SDR 18	LF	5.0	\$22.00	\$110.00	\$25.00	\$125.00	\$18.00	\$90.00
302	6" Water Main PVC, SDR 18	LF	22.0	\$25.00	\$550.00	\$25.00	\$550.00	\$22.00	\$484.00
303	8" Water Main PVC SDR 18	LF	357.0	\$27.00	\$9,639.00	\$24.00	\$8,568.00	\$33.00	\$11,781.00
304	4" Sewer Repair Pipe PVC, SDR 18	LF	80.0	\$18.00	\$1,440.00	\$18.00	\$1,440.00	\$22.00	\$1,760.00
305	10" Storm Repair Pipe PVC, SDR 18	LF	10.0	\$28.00	\$280.00	\$32.00	\$320.00	\$28.00	\$280.00
306	Install 8" Gate Valve	EACH	1.0	\$370.00	\$370.00	\$300.00	\$300.00	\$300.00	\$300.00
307	Construct Manhole for Gate Valve	EACH	1.0	\$1,900.00	\$1,900.00	\$2,800.00	\$2,800.00	\$3,171.00	\$3,171.00
308	Install & Salvage Gate Valve & Box on Exist. 4" Main	EACH	1.0	\$750.00	\$750.00	\$1,500.00	\$1,500.00	\$425.00	\$425.00
309	Water Service Connection (3/4")	EACH	10.0	\$300.00	\$3,000.00	\$330.00	\$3,300.00	\$305.00	\$3,050.00
310	Reinstall Water Service (3/4") (5' to 10')	EACH	2.0	\$370.00	\$740.00	\$385.00	\$770.00	\$208.00	\$416.00
311	Reinstall Water Service (3/4") (15'+) - Trenchless	EACH	2.0	\$400.00	\$800.00	\$425.00	\$850.00	\$474.00	\$948.00
312	Reinstall Water Service (3/4") (20'+) - Trenchless	EACH	2.0	\$450.00	\$900.00	\$475.00	\$950.00	\$582.00	\$1,164.00
313	Reinstall Water Service (3/4") (30'+) - Trenchless	EACH	1.0	\$525.00	\$525.00	\$525.00	\$525.00	\$798.00	\$798.00
314	Reinstall Water Service (3/4") (40'+) - Trenchless	EACH	1.0	\$625.00	\$625.00	\$575.00	\$575.00	\$1,013.00	\$1,013.00
315	Reinstall Water Service (3/4") (70'+) - Trenchless	EACH	1.0	\$1,000.00	\$1,000.00	\$700.00	\$700.00	\$1,661.00	\$1,661.00
316	Furnish and Install Curb Stop with Service Box 3/4"	EACH	6.0	\$200.00	\$1,200.00	\$250.00	\$1,500.00	\$176.00	\$1,056.00
317	Install Hydrant Unit	EACH	2.0	\$3,000.00	\$6,000.00	\$900.00	\$1,800.00	\$704.00	\$1,408.00
318	Install Hydrant Top Extension Kit - 12" to 24" (If Needed)	LF	1.0	\$450.00	\$450.00	\$80.00	\$80.00	\$75.00	\$75.00
319	Ductile Iron Fittings Poly. Encased	LB	525.0	\$2.75	\$1,443.75	\$3.00	\$1,575.00	\$3.00	\$1,575.00
320	Granular Foundation (LV)	CY	5.0	\$23.50	\$117.50	\$21.00	\$105.00	\$30.00	\$150.00
321	Inside Drop Connection - 4" into Ex.Block Manhole (3.4')	EACH	1.0	\$650.00	\$650.00	\$200.00	\$200.00	\$1,005.00	\$1,005.00
322	Sewer Service Repair Connection (4")	EACH	13.0	\$135.00	\$1,755.00	\$75.00	\$975.00	\$311.00	\$4,043.00
323	Sewer Service Tie-in to Block Manhole - 4"	EACH	1.0	\$250.00	\$250.00	\$200.00	\$200.00	\$600.00	\$600.00
324	Storm Repair Connection - 10" PVC to NRCP Adaptor	EACH	2.0	\$180.00	\$360.00	\$185.00	\$370.00	\$355.00	\$710.00
325	Exploratory Excavation	HOURL	4.0	\$175.00	\$700.00	\$100.00	\$400.00	\$150.00	\$600.00
326	Clearing per Tree 6" to 8" diameter	TREE	1.0	\$130.00	\$130.00	\$250.00	\$250.00	\$385.00	\$385.00
327	Grubbing per Tree 6" to 8" diameter	TREE	1.0	\$130.00	\$130.00	\$250.00	\$250.00	\$330.00	\$330.00
328	Remove 4" to 12" Pipe	LF	292.0	\$5.50	\$1,606.00	\$4.25	\$1,241.00	\$5.00	\$1,460.00
329	Remove Concrete Curb and Gutter	LF	10.0	\$4.00	\$40.00	\$5.00	\$50.00	\$66.00	\$660.00
330	Remove Bituminous Pavement 2"	SY	404.0	\$2.00	\$808.00	\$7.00	\$2,828.00	\$7.70	\$3,110.80
331	Remove Concrete Pavement	SY	119.0	\$9.00	\$1,071.00	\$12.00	\$1,428.00	\$11.00	\$1,309.00
332	Remove Hydrant Unit	EACH	1.0	\$225.00	\$225.00	\$150.00	\$150.00	\$150.00	\$150.00
333	Sawing Concrete Surfaces	LF	38.0	\$5.00	\$190.00	\$5.25	\$199.50	\$5.50	\$209.00
334	Coultter Cut Bituminous Pavement - Surface	LF	181.0	\$1.25	\$226.25	\$1.50	\$271.50	\$2.20	\$398.20
335	Salvage Ductile Iron Fitting	EACH	1.0	\$115.00	\$115.00	\$125.00	\$125.00	\$75.00	\$75.00
336	Aggregate Base Placed, Class 5	CY	93.0	\$20.90	\$1,943.70	\$21.00	\$1,953.00	\$26.40	\$2,455.20
337	Type LV 3 or 4 Wearing Course Mix Temporary	TON	55.0	\$60.00	\$3,300.00	\$88.00	\$4,840.00	\$93.50	\$5,142.50
338	4" Perf. P.E. Pipe Drain Subgrade	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00	\$10.00	\$100.00
339	4" Perf. P.E. Pipe Drain Repair Connection	EACH	2.0	\$75.00	\$150.00	\$15.00	\$30.00	\$250.00	\$500.00
340	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00	\$10.00	\$100.00
341	Unknown Field Tile Repair Connection (As Directed)	EACH	2.0	\$75.00	\$150.00	\$15.00	\$30.00	\$250.00	\$500.00
342	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	3.0	\$68.00	\$204.00	\$75.00	\$225.00	\$100.00	\$300.00
343	Lean Mix Backfill for Pipe Support	CY	2.5	\$110.00	\$275.00	\$150.00	\$375.00	\$100.00	\$250.00
344	Traffic Control	LS	1.0	\$500.00	\$500.00	\$500.00	\$500.00	\$220.00	\$220.00
345	Inlet Protection	EACH	3.0	\$100.00	\$300.00	\$0.00	\$0.00	\$150.00	\$450.00
346	Seeding, Hydro Spreading	ACRE	0.0	\$4,925.00	\$0.00	\$4,850.00	\$0.00	\$4,000.00	\$0.00
347	Seed, Mixture 270RT	LB	6.0	\$4.00	\$24.00	\$5.00	\$30.00	\$733.00	\$4,398.00
348	Sodding Lawn Type	SY	29.0	\$8.50	\$246.50	\$20.00	\$580.00	\$110.00	\$3,190.00
349	Hydraulic Soil Stabilizer Type 5	TON	0.1	\$800.00	\$80.00	\$925.00	\$92.50	\$11,000.00	\$1,100.00
350	Water	M GAL	2.0	\$20.00	\$40.00	\$35.00	\$70.00	\$110.00	\$220.00
TOTAL SCHEDULE 3					\$50,249.70		\$46,516.50		\$97,575.70
<b>SCHEDULE 4 - NINTH STREET SANITARY LIFT STATION</b>									
400	Mobilization per Schedule	LS	1.0	\$5,300.00	\$5,300.00	\$500.00	\$500.00	\$32,000.00	\$32,000.00
401	8" PVC Sewer Repair Pipe, SDR 18	LF	3.0	\$30.00	\$90.00	\$28.00	\$84.00	\$31.00	\$93.00
402	8" PVC Sewer Pipe, SDR 35, 10'-11" Depth	LF	40.0	\$24.00	\$960.00	\$25.00	\$1,000.00	\$31.00	\$1,240.00
403	10" PVC Sewer Pipe, SDR 35, 8'-10" Depth	LF	23.0	\$27.00	\$621.00	\$47.00	\$1,081.00	\$35.00	\$805.00
404	18" PVC Sewer Pipe SDR 35, 0'-10" Depth	LF	12.0	\$45.00	\$540.00	\$62.00	\$744.00	\$54.00	\$648.00
405	12" Storm Repair Pipe PVC SDR 18	LF	26.0	\$29.25	\$760.50	\$65.00	\$1,690.00	\$32.00	\$832.00
406	4" Water Main Repair Pipe PVC, SDR 18	LF	32.0	\$22.00	\$704.00	\$60.00	\$1,920.00	\$18.00	\$576.00
407	Ductile Iron Fittings Polyethylene Encased for Water Main	LB	290.0	\$2.75	\$797.50	\$5.00	\$1,450.00	\$3.00	\$870.00
408	Construct 84" Diameter Lift Station Structure	LS	1.0	\$10,250.00	\$10,250.00	\$16,500.00	\$16,500.00	\$113,000.00	\$113,000.00
409	Construct 60" Diameter Valve Manhole	LS	1.0	\$3,500.00	\$3,500.00	\$4,800.00	\$4,800.00	\$5,510.00	\$5,510.00
410	Furnish and Install Pumps, Lift Out Rails, and Accessories	LS	1.0	\$18,000.00	\$18,000.00	\$30,000.00	\$30,000.00	\$35,000.00	\$35,000.00
411	Furnish and Install Force Main Piping	LS	1.0	\$11,000.00	\$11,000.00	\$3,700.00	\$3,700.00	\$3,684.00	\$3,684.00
412	Coat Interior of Lift Station and Fittings	LS	1.0	\$4,500.00	\$4,500.00	\$7,500.00	\$7,500.00	\$7,986.00	\$7,986.00
413	Furnish and Install Lift Station Electrical	LS	1.0	\$13,000.00	\$13,000.00	\$2,850.00	\$2,850.00	\$8,000.00	\$8,000.00
415	Standard Manhole, 0'-10" Depth w/casting	EACH	2.0	\$2,700.00	\$5,400.00	\$3,200.00	\$6,400.00	\$2,091.00	\$4,182.00
416	Extra Depth Manhole, (48" diameter)	LF	0.7	\$200.00	\$140.00	\$150.00	\$105.00	\$106.00	\$74.20
417	Sewer Main Repair Connection - 8"	EACH	1.0	\$200.00	\$200.00	\$120.00	\$120.00	\$262.00	\$262.00
418	Sewer Main Repair Connection - 10"	EACH	2.0	\$225.00	\$450.00	\$180.00	\$360.00	\$266.50	\$533.00

**ABSTRACT OF BIDS (4-29-05)**  
**WORTHINGTON, MINNESOTA**  
**2005 WATER AND SEWER IMPROVEMENTS**

Item No.	Item Description	Unit	Approx. Quantity	Engineer's Estimate		LARSON CRANE SERVICE, INC.		H & W Contracting, LLC.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
419	Sewer Main Repair Connection - 18"	EACH	2.0	\$500.00	\$1,000.00	\$225.00	\$450.00	\$388.00	\$776.00
420	12" PVC Storm Repair Connection	EACH	2.0	\$250.00	\$500.00	\$275.00	\$550.00	\$270.00	\$540.00
421	Granular Foundation (LV)	CY	2.0	\$23.50	\$47.00	\$19.00	\$38.00	\$75.00	\$150.00
422	Grubbing per Tree 13" to 36" diameter	TREE	1.0	\$300.00	\$300.00	\$350.00	\$350.00	\$330.00	\$330.00
423	Remove 4" to 15" Pipe	LF	150.0	\$5.50	\$825.00	\$4.25	\$637.50	\$15.00	\$2,250.00
424	Remove 16" to 24" Pipe	LF	12.0	\$7.50	\$90.00	\$5.00	\$60.00	\$25.00	\$300.00
425	Remove Concrete Sidewalk	SF	275.0	\$1.15	\$316.25	\$1.75	\$481.25	\$2.20	\$605.00
426	Remove Bituminous Pavement 2"	SY	37.0	\$2.00	\$74.00	\$7.00	\$259.00	\$7.70	\$284.90
427	Remove Bituminous Overlay Concrete Pavement	SY	203.0	\$9.00	\$1,827.00	\$12.00	\$2,436.00	\$11.00	\$2,233.00
428	Remove Catch Basin or Manhole	EACH	4.0	\$350.00	\$1,400.00	\$350.00	\$1,400.00	\$500.00	\$2,000.00
429	Saw Cut Concrete Surfaces	LF	10.0	\$5.00	\$50.00	\$5.25	\$52.50	\$5.50	\$55.00
430	Sawing Bit. Overlay Concrete Pavement -5.5" min depth	LF	188.0	\$6.00	\$1,128.00	\$6.50	\$1,222.00	\$5.50	\$1,034.00
431	Coulter Cut Bituminous Pavement - Surface	LF	39.0	\$1.25	\$48.75	\$1.50	\$58.50	\$2.20	\$85.80
432	Remove Lift Station	LS	1.0	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$7,000.00	\$7,000.00
433	Salvage Existing Lift Station Materials	LS	1.0	\$500.00	\$500.00	\$900.00	\$900.00	\$1,000.00	\$1,000.00
434	Salvage Casting	EACH	4.0	\$115.00	\$460.00	\$100.00	\$400.00	\$100.00	\$400.00
435	Washed Sand Backfill (LV) (As Directed)	CY	38.0	\$15.00	\$570.00	\$15.00	\$570.00	\$9.90	\$376.20
436	Common Borrow (LV) (As Directed)	CY	38.0	\$11.00	\$418.00	\$8.00	\$304.00	\$3.30	\$125.40
437	Aggregate Base Placed, Class 5	CY	66.0	\$20.90	\$1,379.40	\$21.00	\$1,386.00	\$26.40	\$1,742.40
438	Type LV 3 or 4 Wearing Course Mix Temporary	TON	43.0	\$65.00	\$2,795.00	\$88.00	\$3,784.00	\$93.50	\$4,020.50
439	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	35.0	\$12.00	\$420.00	\$1.00	\$35.00	\$10.00	\$350.00
440	Unknown Field Tile Repair Connection (As Directed)	EACH	2.0	\$75.00	\$150.00	\$15.00	\$30.00	\$250.00	\$500.00
441	Concrete Plug Pipe End	EACH	13.0	\$68.00	\$884.00	\$75.00	\$975.00	\$100.00	\$1,300.00
442	Lean Mix Backfill for Pipe Support	CY	4.0	\$110.00	\$440.00	\$125.00	\$500.00	\$100.00	\$400.00
443	Traffic Control	LS	1.0	\$300.00	\$300.00	\$1,800.00	\$1,800.00	\$2,750.00	\$2,750.00
444	Inlet Protection	EACH	6.0	\$100.00	\$600.00	\$50.00	\$300.00	\$150.00	\$900.00
445	Seed, Mixture 270RT	LB	2.0	\$50.00	\$100.00	\$25.00	\$50.00	\$1,100.00	\$2,200.00
446	Sodding Lawn Type	SY	57.0	\$8.50	\$484.50	\$20.00	\$1,140.00	\$110.00	\$6,270.00
TOTAL SCHEDULE 4					\$95,319.90		\$103,472.75		\$255,273.40
<b>SCHEDULE 5 - SANITARY SEWER SPOT REPAIRS</b>									
500	Mobilization per Schedule	LS	1.0	\$400.00	\$400.00	\$500.00	\$500.00	\$32,000.00	\$32,000.00
501	4" PVC Sewer Pipe, SDR 35	LF	5.0	\$21.00	\$105.00	\$23.00	\$115.00	\$19.00	\$95.00
502	8" PVC Repair Pipe, SDR 18, 8' - 11' Depth	LF	18.0	\$28.00	\$504.00	\$28.00	\$504.00	\$34.00	\$612.00
503	Sewer Main Repair Connection - 8"	EACH	6.0	\$200.00	\$1,200.00	\$220.00	\$1,320.00	\$262.00	\$1,572.00
504	Sewer Service Connection - 4" w/saddle	EACH	1.0	\$245.00	\$245.00	\$275.00	\$275.00	\$184.00	\$184.00
505	Sewer Service Repair Connection - 4"	EACH	1.0	\$125.00	\$125.00	\$200.00	\$200.00	\$204.00	\$204.00
506	Granular Foundation (LV)	CY	1.5	\$25.00	\$37.50	\$19.00	\$28.50	\$30.00	\$45.00
507	Exploratory Excavation	HOURL	1.0	\$300.00	\$300.00	\$100.00	\$100.00	\$150.00	\$150.00
508	Remove 4" to 12" Pipe	LF	33.0	\$6.00	\$198.00	\$4.25	\$140.25	\$5.00	\$165.00
509	Remove Bituminous Pavement -2" to 4"	SY	77.0	\$4.00	\$308.00	\$7.00	\$539.00	\$11.00	\$847.00
510	Coulter Cut Bituminous Pavement - Surface	LF	182.0	\$1.75	\$318.50	\$1.50	\$273.00	\$2.20	\$400.40
511	Aggregate Base Placed, Class 5	CY	13.0	\$22.00	\$286.00	\$21.00	\$273.00	\$28.60	\$371.80
512	Type LV 3 or 4 Wearing Course Mix Temporary	TON	7.0	\$110.00	\$770.00	\$220.00	\$1,540.00	\$220.00	\$1,540.00
513	4-12" Corr. Polyethylene Drain Repair Pipe (If Needed)	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00	\$10.00	\$100.00
514	Unknown Field Tile Repair Connection (If Needed)	EACH	2.0	\$85.00	\$170.00	\$15.00	\$30.00	\$250.00	\$500.00
515	Concrete Plug 4" -12" Pipe (As directed)	EACH	1.0	\$55.00	\$55.00	\$75.00	\$75.00	\$100.00	\$100.00
516	Traffic Control	LS	1.0	\$100.00	\$100.00	\$500.00	\$500.00	\$550.00	\$550.00
517	Inlet Protection	EACH	2.0	\$100.00	\$200.00	\$50.00	\$100.00	\$150.00	\$300.00
518	Seed, Mixture 270RT	LB	1.0	\$50.00	\$50.00	\$25.00	\$25.00	\$2,200.00	\$2,200.00
TOTAL SCHEDULE 5					\$5,492.00		\$6,547.75		\$41,936.20
<b>SCHEDULE 6 - WOODCREST AVENUE STORM</b>									
2021.501	Mobilization per Schedule	LS	1.0	\$1,550.00	\$1,550.00	\$500.00	\$500.00	\$32,000.00	\$32,000.00
2104.501	Remove 4" to 12" Pipe	LF	176.0	\$5.50	\$968.00	\$4.25	\$748.00	\$5.00	\$880.00
2104.501	Remove Curb and Gutter	LF	67.0	\$4.00	\$268.00	\$5.00	\$335.00	\$5.50	\$368.50
2104.505	Remove Bituminous Pavement 2" - 3"	SY	224.0	\$2.00	\$448.00	\$7.00	\$1,568.00	\$7.70	\$1,724.80
2104.509	Remove Catch Basin or Manhole	EACH	3.0	\$350.00	\$1,050.00	\$350.00	\$1,050.00	\$300.00	\$900.00
2104.511	Sawing Concrete Surfaces	LF	22.0	\$5.00	\$110.00	\$5.25	\$115.50	\$5.50	\$121.00
2104.514	Coulter Cut Bituminous Pavement - Surface	LF	109.0	\$1.25	\$136.25	\$1.50	\$163.50	\$2.20	\$239.80
2104.523	Salvage Casting	EACH	3.0	\$115.00	\$345.00	\$100.00	\$300.00	\$75.00	\$225.00
2123.526	Equipment Rental for Exploratory Excavation	HOURL	2.0	\$175.00	\$350.00	\$100.00	\$200.00	\$150.00	\$300.00
2211.503	Aggregate Base (CV), Class 5	CY	33.0	\$20.90	\$689.70	\$21.00	\$693.00	\$28.60	\$943.80
2350.501	Type LV 3 or 4 Wearing Course Mix Temporary	TON	22.0	\$60.00	\$1,320.00	\$88.00	\$1,936.00	\$93.50	\$2,057.00
2451.507	Granular Foundation (LV) (If Needed)	CY	3.0	\$23.50	\$70.50	\$19.00	\$57.00	\$30.00	\$90.00
2502.541	4-12" Corr. Polyethylene Drain Repair Pipe (If Needed)	LF	10.0	\$12.00	\$120.00	\$1.00	\$10.00	\$10.00	\$100.00
2502.571	4" Non Perf. Corr. Polyethylene Drain Repair Pipe	LF	95.0	\$2.50	\$237.50	\$5.00	\$475.00	\$10.00	\$950.00
2502.573	Pipe Drain Repair Connection (As Needed)	EACH	2.0	\$75.00	\$150.00	\$15.00	\$30.00	\$250.00	\$500.00
2503.511	6" PVC Storm Repair Pipe, SDR 35	LF	4.0	\$22.00	\$88.00	\$35.00	\$140.00	\$27.00	\$108.00
2503.511	12" RCP Sewer, Class IV	LF	228.0	\$28.00	\$6,384.00	\$26.00	\$5,928.00	\$30.00	\$6,840.00
2503.573	Storm Pipe Repair Connection - 6" PVC to Clay Adaptor	EACH	1.0	\$145.00	\$145.00	\$75.00	\$75.00	\$258.00	\$258.00
2503.573	Concrete Plug 4" -12" Pipe (As Directed)	EACH	1.0	\$68.00	\$68.00	\$75.00	\$75.00	\$100.00	\$100.00
2506.502	Construct Drainage Struct Des F w/sed	EACH	1.0	\$2,500.00	\$2,500.00	\$1,950.00	\$1,950.00	\$1,830.00	\$1,830.00
2506.502	Construct Drainage Structure, Des N w/sed	EACH	4.0	\$1,950.00	\$7,800.00	\$1,600.00	\$6,400.00	\$1,346.00	\$5,384.00
2563.601	Traffic Control	LS	1.0	\$100.00	\$100.00	\$500.00	\$500.00	\$220.00	\$220.00
2573.602	Inlet Protection	EACH	2.0	\$100.00	\$200.00	\$50.00	\$100.00	\$150.00	\$300.00
2575.501	Seeding, Hydro Spreading	ACRE	0.0	\$4,925.00	\$197.00	\$4,850.00	\$194.00	\$38,500.00	\$1,540.00
2575.505	Sodding Lawn Type	SY	17.0	\$11.00	\$187.00	\$20.00	\$340.00	\$165.00	\$2,805.00
2575.502	Seed, Mixture 270RT	LB	5.0	\$4.00	\$20.00	\$4.50	\$22.50	\$110.00	\$550.00
2575.609	Hydraulic Soil Stabilizer Type 5	TON	0.1	\$800.00	\$40.00	\$925.00	\$46.25	\$2,200.00	\$110.00
2611.515	Install Relocated Water Service	EACH	1.0	\$350.00	\$350.00	\$250.00	\$250.00	\$280.00	\$280.00
2611.531	Insulation for Water Pipes (3")	SF	32.0	\$4.00	\$128.00	\$3.20	\$102.40	\$4.00	\$128.00
2621.511	4" PVC Sewer Pipe SDR 35	LF	20.0	\$20.00	\$400.00	\$10.00	\$200.00	\$19.00	\$380.00
2621.521	Sewer Service Repair Connection - 4"	EACH	4.0	\$250.00	\$1,000.00	\$250.00	\$1,000.00	\$254.00	\$1,016.00
2621.521	Sewer Service Repair Conn at 8" Main w/saddle(If Needed)	EACH	2.0	\$305.00	\$610.00	\$175.00	\$350.00	\$330.00	\$660.00
TOTAL SCHEDULE 6					\$28,029.95		\$25,854.15		\$63,908.90
TOTAL SCHEDULES 1-6					\$405,694.20		\$434,541.50		\$802,972.50