

ABSTRACT OF BIDS
WORTHINGTON, MINNESOTA
2022 WATER RECONSTRUCTION
July 13 2022

July 13 2022				Engineer's Estimate		HENNING CONSTRUCTION, INC.	
Item No.	Item Description	Unit	Approx. Quantity	Unit Price	Amount	Unit Price	Amount
SCHEDULE 1 - NOBLES STREET WATER							
100	Mobilization per Schedule	LS	1	\$36,870.00	\$36,870.00	\$48,000.00	\$48,000.00
101	6" Water Main PVC SDR 18	LF	20	\$58.00	\$1,160.00	\$120.00	\$2,400.00
102	8" Water Main PVC SDR 18	LF	704	\$58.00	\$40,832.00	\$80.00	\$56,320.00
103	4" Sewer Repair Pipe PVC, SDR 18	LF	40	\$35.00	\$1,400.00	\$60.00	\$2,400.00
104	10" Storm Repair Pipe PVC, SDR 18	LF	8	\$82.00	\$656.00	\$150.00	\$1,200.00
105	Install 8" Gate Valve	EACH	1	\$943.00	\$943.00	\$2,500.00	\$2,500.00
106	Install 8" Gate Valve with Valve Box	EACH	1	\$1,145.00	\$1,145.00	\$2,650.00	\$2,650.00
107	Install 8" Gate Valve in Existing Manhole - Woodcrest Avenue	EACH	1	\$1,248.00	\$1,248.00	\$2,500.00	\$2,500.00
108	Construct Manhole for Gate Valve	EACH	1	\$7,360.00	\$7,360.00	\$8,500.00	\$8,500.00
109	Furnish and Install Water Service Connection (1") P.E.P.	EACH	6	\$633.00	\$3,798.00	\$700.00	\$4,200.00
110	Furnish and Install 1" Curb Stop with Curb Box	EACH	6	\$570.00	\$3,420.00	\$800.00	\$4,800.00
111	Furnish and Install Water Service (1") (< 15') Trenchless	EACH	6	\$1,656.00	\$9,936.00	\$900.00	\$5,400.00
112	Relocate 3/4" to 1" Water Service for Trench Box (If Needed)	EACH	6	\$690.00	\$4,140.00	\$500.00	\$3,000.00
113	Install Hydrant Unit	EACH	2	\$1,961.00	\$3,922.00	\$3,000.00	\$6,000.00
114	Furnish & Install 6" Flushing Cap with 2" ball valve	LS	1	\$1,513.00	\$1,513.00	\$1,500.00	\$1,500.00
115	Furnish, Install & Salvage 8" Flushing Cap with 2" ball valve	LS	2	\$1,513.00	\$3,026.00	\$2,000.00	\$4,000.00
116	Ductile Iron Fittings Polyethylene Encased	LB	1820	\$9.00	\$16,380.00	\$15.00	\$27,300.00
117	Install T Bolts and Nuts in Existing Fittings (As Directed)	EACH	12	\$29.00	\$348.00	\$250.00	\$3,000.00
118	Insulate Water Pipes (3" Insulation)	SF	64	\$8.00	\$512.00	\$2.00	\$128.00
119	Sewer Service Repair Connection (4")	EACH	8	\$466.00	\$3,728.00	\$450.00	\$3,600.00
120	Storm Repair Connection - 10" PVC SDR 18 to Clay/NRCP Adaptor	EACH	1	\$432.00	\$432.00	\$1,250.00	\$1,250.00
121	Granular Foundation (CV) (If Needed)	CY	10	\$59.00	\$590.00	\$50.00	\$500.00
122	Trench Box Sta 10+30 to 16+30 less exceptions	LF	600	\$4.00	\$2,400.00	\$0.50	\$300.00
123	Exploratory Excavation	HOURL	2	\$552.00	\$1,104.00	\$500.00	\$1,000.00
124	Remove Catch Basin or Manhole	EACH	4	\$690.00	\$2,760.00	\$750.00	\$3,000.00
125	Remove Gate Valve and Box or Hydrant Unit	EACH	1	\$478.00	\$478.00	\$500.00	\$500.00
126	Remove Light Base Foundation	EACH	1	\$478.00	\$478.00	\$75.00	\$75.00
127	Remove 4" to 12" Pipe	LF	160	\$7.00	\$1,120.00	\$5.00	\$800.00
128	Sawing Bituminous Pavement	LF	97	\$11.00	\$1,067.00	\$10.00	\$970.00
129	Sawing Concrete Surfaces	LF	139	\$8.00	\$1,112.00	\$10.00	\$1,390.00
130	Remove Bituminous Pavement 2" - 4"	SY	41	\$14.00	\$574.00	\$10.00	\$410.00
131	Remove Concrete Pavement	SY	750	\$19.00	\$14,250.00	\$15.00	\$11,250.00
132	Remove Geotextile Fabric	SY	42	\$8.00	\$336.00	\$3.00	\$126.00
133	Remove Concrete Driveway	SF	252	\$3.00	\$756.00	\$2.50	\$630.00
134	Geotextile Separation Repair Fabric Type IV modified	SY	41	\$25.00	\$1,025.00	\$4.00	\$164.00
135	Aggregate Surfacing (LV), Class 5	CY	8	\$0.00	\$0.00	\$100.00	\$800.00
136	Aggregate Surfacing (LV), Class 5 Modified	CY	2	\$47.00	\$94.00	\$150.00	\$300.00
137	Aggregate Base (CV), Class 5	CY	202	\$50.00	\$10,100.00	\$50.00	\$10,100.00
138	Drainable Agg. Base, Type Open Graded Aggregate Base (OGAB) (CV)	CY	5	\$97.00	\$485.00	\$150.00	\$750.00
139	Cement to Treat Subgrade/Trench (If Needed)	TON	2	\$374.00	\$748.00	\$500.00	\$1,000.00
140	Type SP 12.5 Temporary Wearing Course Mixture (2), (B)	TON	146	\$167.00	\$24,382.00	\$250.00	\$36,500.00
141	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10	\$63.00	\$630.00	\$75.00	\$750.00
142	Unknown Field Tile Repair Connection (As Directed)	EACH	2	\$196.00	\$392.00	\$400.00	\$800.00
143	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	10	\$167.00	\$1,670.00	\$150.00	\$1,500.00
144	Construct Drainage Structure, Des N	EACH	1	\$4,025.00	\$4,025.00	\$5,200.00	\$5,200.00
145	Lean Mix Backfill for Pipe Support	CY	6	\$242.00	\$1,452.00	\$200.00	\$1,200.00
2563.601	Traffic Control Devices for Construction and Detour - Nobles Street	LS	1	\$9,220.00	\$9,220.00	\$5,000.00	\$5,000.00
2573.502	Storm Drain Inlet Protection	EACH	7	\$230.00	\$1,610.00	\$150.00	\$1,050.00
2575.604	Rapid Stabilization Method BFM	SY	395	\$9.00	\$3,555.00	\$5.00	\$1,975.00
2575.623	Water for BFM Turf Maintenance (As Directed)	M GAL	7	\$179.00	\$1,253.00	\$150.00	\$1,050.00
SCHEDULE 1 TOTAL					\$230,435.00		\$279,738.00

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Item No.	Item Description	Unit	Approx. Quantity	Unit Price	Amount	Unit Price	Amount
SCHEDULE 2 - WORTHMORE STREET WATER							
200	Mobilization per Schedule	LS	1	\$36,370.00	\$36,370.00	\$48,000.00	\$48,000.00
201	8" Water Main PVC SDR 18	LF	788	\$58.00	\$45,704.00	\$80.00	\$63,040.00
202	4" Sewer Repair Pipe PVC, SDR 18	LF	80	\$35.00	\$2,800.00	\$60.00	\$4,800.00
203	Install 8" Gate Valve	EACH	2	\$943.00	\$1,886.00	\$2,500.00	\$5,000.00
204	Construct Manhole for Gate Valve	EACH	2	\$7,360.00	\$14,720.00	\$8,500.00	\$17,000.00
205	Furnish and Install Water Service Connection (1") P.E.P.	EACH	8	\$633.00	\$5,064.00	\$700.00	\$5,600.00
206	Furnish and Install 1" Curb Stop with Curb Box	EACH	8	\$570.00	\$4,560.00	\$800.00	\$6,400.00
207	Furnish and Install Water Service (1")(<20') - Trenchless	EACH	8	\$1,656.00	\$13,248.00	\$900.00	\$7,200.00
208	Relocate 3/4" to 1" Water Service for Trench Box (If Needed)	EACH	8	\$690.00	\$5,520.00	\$500.00	\$4,000.00
209	Install Hydrant Unit	EACH	2	\$1,961.00	\$3,922.00	\$3,000.00	\$6,000.00
210	Furnish, Install & Salvage 8" Flushing Cap with 2" ball valve	LS	2	\$1,513.00	\$3,026.00	\$2,000.00	\$4,000.00
211	Ductile Iron Fittings Polyethylene Encased	LB	1430	\$9.00	\$12,870.00	\$15.00	\$21,450.00
212	Insulate Water Pipes (3" Insulation)	SF	32	\$8.00	\$256.00	\$2.00	\$64.00
213	Sewer Service Repair Connection (4")	EACH	16	\$466.00	\$7,456.00	\$450.00	\$7,200.00
214	Granular Foundation (CV) (If Needed)	CY	15	\$59.00	\$885.00	\$50.00	\$750.00
215	Trench Box Sta 0+50 to 7+50 less exeptions	LF	700	\$4.00	\$2,800.00	\$0.50	\$350.00
216	Exploratory Excavation	HOURL	3	\$552.00	\$1,656.00	\$500.00	\$1,500.00
217	Remove Catch Basin or Manhole	EACH	1	\$690.00	\$690.00	\$750.00	\$750.00
218	Remove Gate Valve and Box or Hydrant Unit	EACH	1	\$478.00	\$478.00	\$500.00	\$500.00
219	Remove 4" to 12" Pipe	LF	160	\$7.00	\$1,120.00	\$5.00	\$800.00
220	Sawing Concrete Surfaces	LF	853	\$8.00	\$6,824.00	\$10.00	\$8,530.00
221	Sawing Full Depth Bituminous Pavement - 4" min depth cut	LF	76	\$13.00	\$988.00	\$10.00	\$760.00
222	Remove Bituminous Pavement 4" - 6"	SY	84	\$23.00	\$1,932.00	\$12.00	\$1,008.00
223	Remove Concrete Pavement	SY	778	\$19.00	\$14,782.00	\$9.00	\$7,002.00
224	Remove Geotextile Fabric	SY	150	\$8.00	\$1,200.00	\$3.00	\$450.00
225	Remove Concrete Driveway	SF	316	\$3.00	\$948.00	\$2.50	\$790.00
226	Cement to Treat Subgrade/Trench (If Needed)	TON	6	\$374.00	\$2,244.00	\$500.00	\$3,000.00
227	Geotextile Separation Repair Fabric Type IV modified	SY	168	\$25.00	\$4,200.00	\$4.00	\$672.00
228	Aggregate Base (CV), Class 5	CY	227	\$50.00	\$11,350.00	\$50.00	\$11,350.00
229	Drainable Agg. Base, Type Open Graded Aggregate Base (OGAB) (CV)	CY	19	\$97.00	\$1,843.00	\$100.00	\$1,900.00
230	Type SP 12.5 Temporary Wearing Course Mixture (2), (B)	TON	168	\$167.00	\$28,056.00	\$250.00	\$42,000.00
231	4-12" Corr. Polyethylene Pipe Drain (As Directed)	LF	10	\$63.00	\$630.00	\$75.00	\$750.00
232	4" Perf. P.E. Pipe Drain Repair-Subgrade Install in OGAB	LF	10	\$30.00	\$300.00	\$60.00	\$600.00
233	Unknown Field Tile Repair Connection (As Directed)	EACH	2	\$196.00	\$392.00	\$400.00	\$800.00
234	Concrete Plug Pipe End 4" - 12" Pipe (As Directed)	EACH	8	\$167.00	\$1,336.00	\$150.00	\$1,200.00
235	Lean Mix Backfill for Pipe Support	CY	3	\$242.00	\$726.00	\$250.00	\$750.00
2564	Traffic Control Devices for Construction - Worthmore Street	LS	1	\$9,100.00	\$9,100.00	\$5,000.00	\$5,000.00
2574	Storm Drain Inlet Protection	EACH	8	\$230.00	\$1,840.00	\$150.00	\$1,200.00
2576	Rapid Stabilization Method BFM	SY	370	\$9.00	\$3,330.00	\$5.00	\$1,850.00
2576	Water for BFM Turf Maintenance (As Directed)	M GAL	6	\$179.00	\$1,074.00	\$150.00	\$900.00
SCHEDULE 2 TOTAL					\$258,126.00		\$294,916.00
GRAND TOTAL					\$488,561.00		\$574,654.00