

Jackson County Utility Authority
Unit Price Project for Miscellaneous Utility Repairs & Construction
(Jackson County Septic System Abatement Project, Phase 2 - MCWI No. 187-2-CW-5.5)

ADVERTISEMENT FOR BIDS

Sealed Bids for the Unit Price Project for Miscellaneous Utility Repairs & Construction will be received by Jackson County Utility Authority at the office of the Jackson County Utility Authority, 1225 Jackson Avenue, Pascagoula MS 35967 until 10:00 A.M., local time on Tuesday April 9, 2024, at which time the Bids received will be publicly opened and read aloud.

Scope of Work: The Jackson County Utility Authority has the need for water and sewer utility work and incidental work related thereto resulting from emergency conditions, maintenance of existing water and sewer systems, and expansion of existing water and sewer systems. To accommodate this need, the Jackson County Utility Authority is seeking to contract with multiple companies that have sufficient experience, personnel, and equipment to accomplish these types of construction services.

Multiple contracts may be awarded under each of the four (4) Bid Scopes. The Bid Scopes are: Small Pipeline in Right-of-Way, Large Pipeline in Right-of-Way, Miscellaneous Construction and Work on Private Property as indicated in the Bid Form.

This Issuing Office for the Bidding Documents is Brown, Mitchell & Alexander, Inc., 131 Rue Magnolia, Biloxi, MS 39530, (228) 436-7612. Prospective Bidders may examine the Bidding Documents at the Issuing Office on Monday through Thursday (between the hours of 7:30 A.M. and 5:30 P.M.) and Friday (between the hours of 8:00 A.M. and Noon). Copies of the Bidding Documents may be obtained from the Issuing Office as described below.

Official Bid Documents can be downloaded at www.centralbidding.com. Electronic Bids can be submitted at www.centralbidding.com. For any questions regarding the electronic bidding process, please contact Central Bidding at 225-810-4814 or info@centralbidding.com.

Additionally, bidding documents are being made available via paper copy or PDF for a charge of \$75.00 (hard copy) or \$50.00 (CD). Plan holders are required to log-in or register for an account at www.bmaprojects.com to view and order Bidding Documents. All plan holders are required to have a valid email address for registration. The cost for the bidding documents is non-refundable and must be purchased through the website. For questions regarding website registration and online orders please contact Plan House Printing at (228) 248-0181.

The date that the Bidding Documents are transmitted by the Issuing Office will be considered the prospective Bidder's date of receipt of the Bidding Documents. Partial sets of Bidding Documents will not be available from the Issuing Office. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda, if any, obtained from sources other than the Issuing Office.

Bid security shall be furnished in accordance with the Instructions to Bidders.

For bids exceeding \$50,000.00, Bidder must indicate his Certificate of Responsibility Number on the outside of sealed proposal as required by Mississippi Law. Effective July 1, 2010; Per MS Code 31-3-21(3); any bid submitted by a nonresident contractor which does not include the nonresident contractor's current state law pertaining to such state's treatment of nonresident contractors, shall be rejected and not considered for award. If no such law exists in the non-resident contractor's state, then the non-resident contractor may provide a statement to that effect.

All contracts awarded under this Advertisement will be funded in part by anticipated funds from the Mississippi Department of Environmental Quality (MDEQ) through the Mississippi Municipality and County Water Infrastructure Grant (MCWI) Program. The successful Bidder will be required to comply with all MCWI Program regulations and requirements.

The BID SCHEDULE may be viewed utilizing the Mississippi Procurement Technical Assistance Program (MPTAP) website at [https://mscpc.com/\[mscpc.com\]](https://mscpc.com/[mscpc.com]).

Any contract awarded under this Invitation for Bids may be paid for in whole or in part with grant funding from the United States Department of the Treasury ("Treasury") and the Mississippi Department of Environmental Quality ("MDEQ") under the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012 (RESTORE Act). Any contract resulting from this solicitation will be subject to the terms and conditions of the funding award, the RESTORE Act Financial Assistance Standard Terms and Conditions and Program-Specific Terms and Conditions, the Standard Sub-Award Terms and Conditions, the RESTORE Act, 33 U. S. C. 1321(t), Treasury Regulations 31 C. F. R. § 34 et seq., including 31 C. F. R. §§ 34, Subpart D, all applicable terms and conditions in 2 C. F. R. Part 200 (including Appendix II to Part 200), and all other OMB circulars, executive orders or other federal laws or regulations, as applicable. Notwithstanding the above, neither MDEQ nor Treasury, or any of their agents, representatives, or employees, is or will be a party to this Invitation for Bids or any resulting contract. Further, any contractor awarded a contract under this Invitation for Bids shall not be deemed to be an agent, representative, employee, or servant of MDEQ or Treasury.

Minority and women's business enterprises are solicited to bid on this contract as prime contractors and are encouraged to make inquiries regarding potential subcontracting opportunities and equipment, material and/or supply needs.

All bidders must make positive efforts to use small and minority owned business and women business enterprises.

No bidder may withdraw his bid within sixty (90) days after the actual date of the opening thereof.

The Owner reserves the right to waive any informalities or to reject any or all bids.

Published by order of the (Owner); this the 27th of February, 2024.

Publish Dates: 3-10-2024 & 3-17-2024

BID SCHEDULE**Jackson County Utility Authority****Unit Price Project for Miscellaneous Utility Repairs & Construction****(Jackson County Septic System Abatement Project, Phase 2 - MCWI No. 187-2-CW-5.5)**

Item No.	Description	Unit	Estimated Quantity
1	CLEARING AND GRUBBING	AC	0.5
2	REMOVE AND REPLACE CHAIN LINK FENCE (4')	LF	100
3	REMOVE AND REPLACE CHAIN LINK FENCE (6')	LF	100
4	REMOVE AND REPLACE WOOD FENCE (4')	LF	100
5	REMOVE AND REPLACE WOOD FENCE (6')	LF	100
6	SELECT BACKFILL	CY	100
7	FOUNDATION MATERIAL	CY	100
8	DRIVEWAY MATERIAL	CY	100
9	PIPE BEDDING MATERIAL	CY	100
10	EROSION CONTROL BLANKET	SY	250
11	STRAW MULCH	SY	250
12	GRASSING (SEED)	AC	1
13	GRASSING (SOD)	SY	750
14	SILT FENCE FABRIC	LF	200
15	STRAW WATTLES	LF	1000
16	15" HDPE DRAINAGE PIPE	LF	100
17	18" HDPE DRAINAGE PIPE	LF	100
18	24" HDPE DRAINAGE PIPE	LF	100
19	30" HDPE DRAINAGE PIPE	LF	100
20	36" HDPE DRAINAGE PIPE	LF	100
21	1-1/2 IN HDPE WATER SERVICE	LF	1000
22	1- IN HDPE WATER SERVICE	LF	1000
23	4-IN WATER METER	EA	30

Item No.	Description	Unit	Estimated Quantity
24	3-IN WATER METER	EA	30
25	2-IN WATER METER	EA	30
26	1-1/2-IN WATER METER	EA	30
27	1-IN WATER METER	EA	30
28	3/4-IN X 5/8- IN WATER METER	EA	30
29	4-IN (SDR 26) GRAVITY SEWER SERVICE	LF	1000
30	6-IN (SDR 26) GRAVITY SEWER SERVICE	LF	250
31	8-IN (SDR 26) GRAVITY SEWER SERVICE	LF	100
32	4-IN PVC CLEANOUT	EA	20
33	6-IN PVC CLEANOUT	EA	10
34	8-IN PVC CLEANOUT	EA	10
35	3-IN (SDR 21) PVC PIPE	LF	100
36	2-1/2-IN (SDR 21) PVC PIPE	LF	100
37	2-IN (SDR 21) PVC PIPE	LF	100
38	1-1/2 IN (DR 11) HDPE SERVICE PIPE	LF	1000
39	1-1/4 IN (DR 11) HDPE SERVICE PIPE	LF	1000
40	1 IN (DR 11) HDPE SERVICE PIPE	LF	500
41	3" HDPE DIRECTIONAL BORE	LF	200
42	1-1/2 IN HDPE SERVICE LINE DIRECTIONAL BORE	LF	100
43	1-1/4 IN HDPE SERVICE LINE DIRECTIONAL BORE	LF	100
44	1 IN HDPE SERVICE LINE DIRECTIONAL BORE	LF	100
45	PRESSURE SEWER SERVICE CONNECTION	EA	100
46	IN-LINE PRESSURE CLEANOUT ASSEMBLY	EA	10
47	END OF LINE PRESSURE CLEANOUT ASSEMBLY	EA	10
48	AIR RELIEF VALVE ASSEMBLIES	EA	10
49	PRESSURE SERVICE TAPS 3IN X 1IN	EA	10

Item No.	Description	Unit	Estimated Quantity
50	PRESSURE SERVICE TAPS 3IN X 2IN	EA	10
51	PRESSURE SERVICE TAPS 4IN X 1IN	EA	10
52	PRESSURE SERVICE TAPS 4IN X 1-1/2IN	EA	10
53	PRESSURE SERVICE TAPS 4IN X 2IN	EA	10
54	PRESSURE SERVICE TAPS 6IN X 1IN	EA	10
55	PRESSURE SERVICE TAPS 6IN X 1-1/2IN	EA	10
56	PRESSURE SERVICE TAPS 6IN X 2IN	EA	10
57	PRESSURE SERVICE TAPS 6IN X 3IN	EA	10
58	PRESSURE SERVICE TAPS 8IN X 1IN	EA	10
59	PRESSURE SERVICE TAPS 8IN X 1-1/2IN	EA	10
60	PRESSURE SERVICE TAPS 8IN X 2IN	EA	10
61	PRESSURE SERVICE TAPS 8IN X 3IN	EA	10
62	PRESSURE SERVICE TAPS 10IN X 1IN	EA	10
63	PRESSURE SERVICE TAPS 10IN X 1-1/2IN	EA	10
64	PRESSURE SERVICE TAPS 10IN X 2IN	EA	10
65	PRESSURE SERVICE TAPS 10IN X 3IN	EA	10
66	PRESSURE SERVICE TAPS 12IN X 1IN	EA	10
67	PRESSURE SERVICE TAPS 12IN X 1-1/2IN	EA	10
68	PRESSURE SERVICE TAPS 12IN X 2IN	EA	10
69	PRESSURE SERVICE TAPS 12IN X 3IN	EA	10
70	PRESSURE SERVICE TAPS 16IN X 1IN	EA	10
71	PRESSURE SERVICE TAPS 16IN X 1-1/2IN	EA	10
72	PRESSURE SERVICE TAPS 16IN X 2IN	EA	10
73	PRESSURE SERVICE TAPS 16IN X 3IN	EA	10
74	PRESSURE SERVICE TAPS 18IN X 1IN	EA	10
75	PRESSURE SERVICE TAPS 18IN X 1-1/2IN	EA	10

Item No.	Description	Unit	Estimated Quantity
76	PRESSURE SERVICE TAPS 18IN X 2IN	EA	10
77	PRESSURE SERVICE TAPS 18IN X 3IN	EA	10
78	PRESSURE SERVICE TAPS 20IN X 1IN	EA	10
79	PRESSURE SERVICE TAPS 20IN X 1-1/2IN	EA	10
80	PRESSURE SERVICE TAPS 20IN X 2IN	EA	10
81	PRESSURE SERVICE TAPS 20IN X 3IN	EA	10
82	PRESSURE SERVICE TAPS 24IN X 1IN	EA	10
83	PRESSURE SERVICE TAPS 24IN X 1-1/2IN	EA	10
84	PRESSURE SERVICE TAPS 24IN X 2IN	EA	10
85	PRESSURE SERVICE TAPS 24IN X 3IN	EA	10
86	MOBILIZATION/DEMOBILIZATION - 5% of Work Order Total (no less than \$1,000)	N/A	N/A
87	PERFORMANCE /PAYMENT BOND – 1.5% of Work Order Total	N/A	N/A

Item No.	Description	Unit	Estimated Quantity
1	CLEARING AND GRUBBING	AC	1
2	BRUSH-CUTTING	AC	1
3	REMOVE AND REPLACE CHAIN LINK FENCE (4')	LF	100
4	REMOVE AND REPLACE CHAIN LINK FENCE (6')	LF	100
5	REMOVE AND REPLACE WOOD FENCE (4')	LF	100
6	REMOVE AND REPLACE WOOD FENCE (6')	LF	100
7	SAW CUT ASPHALT (2")	LF	100
8	SAW CUT ASPHALT (4")	LF	100
9	SAW CUT ASPHALT (6")	LF	100
10	SAW CUT CONCRETE (4")	LF	100
11	SAW CUT CONCRETE (6")	LF	100

Item No.	Description	Unit	Estimated Quantity
12	SAW CUT CONCRETE (8")	LF	100
13	CONCRETE DRIVE REPAIR (4")	SY	50
14	CONCRETE DRIVE REPAIR (6")	SY	50
15	STRUCTURAL CONCRETE	CY	100
16	ASPHALT DRIVE REPAIR (4")	SY	50
17	ASPHALT ROAD REPAIR (6")	SY	50
18	SELECT BACKFILL	CY	500
19	FOUNDATION MATERIAL	CY	75
20	DRIVEWAY MATERIAL	CY	500
21	RIP RAP (100LB)	TON	500
22	GEOTEXTILE FABRIC	SY	500
23	PIPE BEDDING MATERIAL	CY	500
24	DITCH RESTORATION	LF	300
25	EROSION CONTROL BLANKET	SY	400
26	STRAW MULCH	SY	400
27	GRASSING (SEED)	AC	1
28	GRASSING (HYDROSEED)	AC	0.5
29	GRASSING (SOD)	SY	500
30	SILT FENCE FABRIC	LF	500
31	STRAW WATTLES	LF	1000
32	15" HDPE DRAINAGE PIPE	LF	100
33	18" HDPE DRAINAGE PIPE	LF	100
34	24" HDPE DRAINAGE PIPE	LF	100
35	30" HDPE DRAINAGE PIPE	LF	100
36	36" HDPE DRAINAGE PIPE	LF	100

Item No.	Description	Unit	Estimated Quantity
	WATER ITEMS:		
37	24-IN HDPE PIPE (DI OD, SDR 11)	LF	100
38	24-IN C905 PVC PIPE	LF	100
39	24-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
40	24-IN DUCTILE IRON PIPE	LF	100
41	24-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
42	20-IN HDPE PIPE (DI OD, SDR 11)	LF	100
43	20-IN C905 PVC PIPE	LF	100
44	20-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
45	20-IN DUCTILE IRON PIPE	LF	100
46	20-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
47	18-IN HDPE PIPE (DI OD, SDR 11)	LF	100
48	18-IN C905 PVC PIPE	LF	100
49	18-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
50	18-IN DUCTILE IRON PIPE	LF	100
51	18-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
52	16-IN HDPE PIPE (DI OD, SDR 11)	LF	100
53	16-IN C905 PVC PIPE	LF	100
54	16-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
55	16-IN DUCTILE IRON PIPE	LF	100
56	16-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
57	12-IN HDPE PIPE (DI OD, SDR 11)	LF	100
58	12-IN C900 PVC PIPE	LF	100
59	12-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
60	12-IN DUCTILE IRON PIPE	LF	100

Item No.	Description	Unit	Estimated Quantity
61	12-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
62	10-IN HDPE PIPE (DI OD, SDR 11)	LF	100
63	10-IN C900 PVC PIPE	LF	100
64	10-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
65	10-IN DUCTILE IRON PIPE	LF	100
66	10-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
67	8-IN HDPE PIPE (DI OD, SDR 11)	LF	100
68	8-IN C900 PVC PIPE	LF	100
69	8-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
70	8-IN DUCTILE IRON PIPE	LF	100
71	8-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
72	6-IN HDPE PIPE (DI OD, SDR 11)	LF	100
73	6-IN C900 PVC PIPE	LF	100
74	6-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
75	6-IN DUCTILE IRON PIPE	LF	100
76	6-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
77	4-IN HDPE PIPE (DI OD, SDR 11)	LF	100
78	4-IN C900 PVC PIPE	LF	100
79	4-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
80	4-IN DUCTILE IRON PIPE	LF	100
81	4-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
82	FIRE HYDRANT ASSMEBLY	EA	100
83	FIRE HYDRANT EXTENSION	VLF	100
84	24-IN GATE VALVE	EA	2
85	20-IN GATE VALVE	EA	2

Item No.	Description	Unit	Estimated Quantity
86	18-IN GATE VALVE	EA	2
87	16-IN GATE VALVE	EA	2
88	12-IN GATE VALVE	EA	2
89	10-IN GATE VALVE	EA	2
90	8-IN GATE VALVE	EA	10
91	6-IN GATE VALVE	EA	10
92	4-IN GATE VALVE	EA	10
93	18-IN X 18-IN TAPPING SLEEVE AND VALVE	EA	1
94	18-IN X 12-IN TAPPING SLEEVE AND VALVE	EA	1
95	18-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
96	18-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
97	16-IN X 18-IN TAPPING SLEEVE AND VALVE	EA	1
98	16-IN X 12-IN TAPPING SLEEVE AND VALVE	EA	1
99	16-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
100	16-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
101	12-IN X 12-IN TAPPING SLEEVE AND VALVE	EA	1
102	12-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
103	12-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
104	10-IN X 10-IN TAPPING SLEEVE AND VALVE	EA	1
105	10-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
106	10-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
107	8-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
108	8-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
109	6-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
110	6-IN X 4-IN TAPPING SLEEVE AND VALVE	EA	1

Item No.	Description	Unit	Estimated Quantity
111	DUCTILE IRON FITTINGS	LB	2000
112	SHORT SIDE WATER SERVICE ASSEMBLY	EA	10
113	LONG SIDE WATER SERVICE ASSEMBLY	EA	10
	WASTEWATER ITEMS:		
114	24-IN HDPE PIPE (DI OD, SDR 11)	LF	100
115	24-IN C905 PVC PIPE	LF	100
116	24-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
117	24-IN DUCTILE IRON PIPE	LF	100
118	24-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
119	24-IN CONCRETE PIPE TO DI TRANSITION FITTING	EA	2
120	20-IN HDPE PIPE (DI OD, SDR 11)	LF	100
121	20-IN C905 PVC PIPE	LF	100
122	20-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
123	20-IN DUCTILE IRON PIPE	LF	100
124	20-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
125	20-IN CONCRETE PIPE TO DI TRANSITION FITTING	EA	2
	*FORCE MAIN ITEMS 18" & BELOW WILL BE PAID BASED ON ITEMS IN WATER SCHEDULE		
126	3-5' DEPTH MANHOLE ASSEMBLY	EA	2
127	5-8' DEPTH MANHOLE ASSEMBLY	EA	2
128	8-10' DEPTH MANHOLE ASSEMBLY	EA	2
129	10-15' DEPTH MANHOLE ASSEMBLY	EA	2
130	15-20' DEPTH MANHOLE ASSEMBLY	EA	2
131	>20' DEPTH MANHOLE ASSEMBLY	EA	2
132	6-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100

Item No.	Description	Unit	Estimated Quantity
133	6-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
134	6-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
135	6-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
136	6-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
137	6-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
138	6-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
139	8-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
140	8-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
141	8-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
142	8-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
143	8-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
144	8-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
145	8-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
146	10-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
147	10-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
148	10-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
149	10-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
150	10-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
151	10-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
152	10-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
153	12-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
154	12-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
155	12-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
156	12-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
157	12-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100

Item No.	Description	Unit	Estimated Quantity
158	12-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
159	12-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
160	4-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
161	4-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
162	6-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
163	6-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
164	8-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
165	8-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
166	10-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
167	10-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
168	12-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
169	12-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
170	15-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
171	15-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
172	6-IN LINE STOP	EA	10
173	8-IN LINE STOP	EA	10
174	10-IN LINE STOP	EA	10
175	12-IN LINE STOP	EA	10
176	16-IN LINE STOP	EA	10
177	18-IN LINE STOP	EA	10
178	20-IN LINE STOP	EA	10
179	24-IN LINE STOP	EA	10
180	2-IN HDPE DIRECTIONAL BORE	LF	100
181	2-1/2IN HDPE DIRECTIONAL BORE	LF	100
182	3-IN HDPE DIRECTIONAL BORE	LF	100

Item No.	Description	Unit	Estimated Quantity
183	4-IN HDPE DIRECTIONAL BORE	LF	100
184	6-IN HDPE DIRECTIONAL BORE	LF	100
185	8-IN HDPE DIRECTIONAL BORE	LF	100
186	10-IN HDPE DIRECTIONAL BORE	LF	100
187	12-IN HDPE DIRECTIONAL BORE	LF	100
188	16-IN HDPE DIRECTIONAL BORE	LF	100
189	18-IN HDPE DIRECTIONAL BORE	LF	100
190	20-IN HDPE DIRECTIONAL BORE	LF	100
191	24-IN HDPE DIRECTIONAL BORE	LF	100
192	4-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
193	6-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
194	8-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
195	10-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
196	12-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
197	10-IN JACK & BORE (STEEL CASING)	LF	100
198	12-IN JACK & BORE (STEEL CASING)	LF	100
199	16-IN JACK & BORE (STEEL CASING)	LF	100
200	20-IN JACK & BORE (STEEL CASING)	LF	100
201	24-IN JACK & BORE (STEEL CASING)	LF	100
202	30-IN JACK & BORE (STEEL CASING)	LF	100
203	36-IN JACK & BORE (STEEL CASING)	LF	100
204	5-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
205	7-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
206	10-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
207	12-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10

Item No.	Description	Unit	Estimated Quantity
208	WELL POINTING (ALL SIZES)	PER DAY	2
209	BYPASS PUMPING, UP TO 6" DIAMETER, UP TO 150 HP	PER DAY	2
210	BYPASS PUMPING, 6" TO 8" DIAMETER, UP TO 150 HP	PER DAY	2
211	BYPASS PUMPING, 8" TO 12" DIAMETER, UP TO 150 HP	PER DAY	2
212	MOBILIZATION/DEMOBILIZATION - 5% OF Work Order Total (no less than \$1,000)	N/A	N/A
213	PERFORMANCE /PAYMENT BOND – 1.5% of Work Order Total	N/A	N/A

Item No.	Description	Unit	Estimated Quantity
1	CLEARING AND GRUBBING	AC	1
2	BRUSH-CUTTING	AC	1
3	REMOVE AND REPLACE CHAIN LINK FENCE (4')	LF	100
4	REMOVE AND REPLACE CHAIN LINK FENCE (6')	LF	100
5	REMOVE AND REPLACE WOOD FENCE (4')	LF	100
6	REMOVE AND REPLACE WOOD FENCE (6')	LF	100
7	SAW CUT ASPHALT (2")	LF	100
8	SAW CUT ASPHALT (4")	LF	100
9	SAW CUT ASPHALT (6")	LF	100
10	SAW CUT CONCRETE (4")	LF	100
11	SAW CUT CONCRETE (6")	LF	100
12	SAW CUT CONCRETE (8")	LF	100
13	CONCRETE DRIVE REPAIR (4")	SY	50
14	CONCRETE DRIVE REPAIR (6")	SY	50
15	STRUCTURAL CONCRETE	CY	100
16	ASPHALT DRIVE REPAIR (4")	SY	50
17	ASPHALT ROAD REPAIR (6")	SY	50

Item No.	Description	Unit	Estimated Quantity
18	SELECT BACKFILL	CY	500
19	FOUNDATION MATERIAL	CY	75
20	DRIVEWAY MATERIAL	CY	500
21	RIP RAP (100LB)	TON	500
22	GEOTEXTILE FABRIC	SY	500
23	PIPE BEDDING MATERIAL	CY	500
24	DITCH RESTORATION	LF	300
25	EROSION CONTROL BLANKET	SY	400
26	STRAW MULCH	SY	400
27	GRASSING (SEED)	AC	1
28	GRASSING (HYDROSEED)	AC	0.5
29	GRASSING (SOD)	SY	500
30	SILT FENCE FABRIC	LF	500
31	STRAW WATTLES	LF	1000
32	15" HDPE DRAINAGE PIPE	LF	100
33	18" HDPE DRAINAGE PIPE	LF	100
34	24" HDPE DRAINAGE PIPE	LF	100
35	30" HDPE DRAINAGE PIPE	LF	100
36	36" HDPE DRAINAGE PIPE	LF	100
	WATER ITEMS:		
37	24-IN HDPE PIPE (DI OD, SDR 11)	LF	100
38	24-IN C905 PVC PIPE	LF	100
39	24-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
40	24-IN DUCTILE IRON PIPE	LF	100
41	24-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100

Item No.	Description	Unit	Estimated Quantity
42	20-IN HDPE PIPE (DI OD, SDR 11)	LF	100
43	20-IN C905 PVC PIPE	LF	100
44	20-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
45	20-IN DUCTILE IRON PIPE	LF	100
46	20-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
47	18-IN HDPE PIPE (DI OD, SDR 11)	LF	100
48	18-IN C905 PVC PIPE	LF	100
49	18-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
50	18-IN DUCTILE IRON PIPE	LF	100
51	18-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
52	16-IN HDPE PIPE (DI OD, SDR 11)	LF	100
53	16-IN C905 PVC PIPE	LF	100
54	16-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
55	16-IN DUCTILE IRON PIPE	LF	100
56	16-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
57	12-IN HDPE PIPE (DI OD, SDR 11)	LF	100
58	12-IN C900 PVC PIPE	LF	100
59	12-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
60	12-IN DUCTILE IRON PIPE	LF	100
61	12-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
62	10-IN HDPE PIPE (DI OD, SDR 11)	LF	100
63	10-IN C900 PVC PIPE	LF	100
64	10-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
65	10-IN DUCTILE IRON PIPE	LF	100
66	10-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100

Item No.	Description	Unit	Estimated Quantity
67	8-IN HDPE PIPE (DI OD, SDR 11)	LF	100
68	8-IN C900 PVC PIPE	LF	100
69	8-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
70	8-IN DUCTILE IRON PIPE	LF	100
71	8-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
72	6-IN HDPE PIPE (DI OD, SDR 11)	LF	100
73	6-IN C900 PVC PIPE	LF	100
74	6-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
75	6-IN DUCTILE IRON PIPE	LF	100
76	6-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
77	4-IN HDPE PIPE (DI OD, SDR 11)	LF	100
78	4-IN C900 PVC PIPE	LF	100
79	4-IN C900 PVC PIPE (RESTRAINED JOINT)	LF	100
80	4-IN DUCTILE IRON PIPE	LF	100
81	4-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
82	FIRE HYDRANT ASSMEBLY	EA	100
83	FIRE HYDRANT EXTENSION	VLF	100
84	24-IN GATE VALVE	EA	2
85	20-IN GATE VALVE	EA	2
86	18-IN GATE VALVE	EA	2
87	16-IN GATE VALVE	EA	2
88	12-IN GATE VALVE	EA	2
89	10-IN GATE VALVE	EA	2
90	8-IN GATE VALVE	EA	10
91	6-IN GATE VALVE	EA	10

Item No.	Description	Unit	Estimated Quantity
92	4-IN GATE VALVE	EA	10
93	18-IN X 18-IN TAPPING SLEEVE AND VALVE	EA	1
94	18-IN X 12-IN TAPPING SLEEVE AND VALVE	EA	1
95	18-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
96	18-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
97	16-IN X 18-IN TAPPING SLEEVE AND VALVE	EA	1
98	16-IN X 12-IN TAPPING SLEEVE AND VALVE	EA	1
99	16-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
100	16-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
101	12-IN X 12-IN TAPPING SLEEVE AND VALVE	EA	1
102	12-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
103	12-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
104	10-IN X 10-IN TAPPING SLEEVE AND VALVE	EA	1
105	10-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
106	10-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
107	8-IN X 8-IN TAPPING SLEEVE AND VALVE	EA	1
108	8-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
109	6-IN X 6-IN TAPPING SLEEVE AND VALVE	EA	1
110	6-IN X 4-IN TAPPING SLEEVE AND VALVE	EA	1
111	DUCTILE IRON FITTINGS	LB	2000
112	SHORT SIDE WATER SERVICE ASSEMBLY	EA	10
113	LONG SIDE WATER SERVICE ASSEMBLY	EA	10
	WASTEWATER ITEMS:		
114	24-IN HDPE PIPE (DI OD, SDR 11)	LF	100
115	24-IN C905 PVC PIPE	LF	100

Item No.	Description	Unit	Estimated Quantity
116	24-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
117	24-IN DUCTILE IRON PIPE	LF	100
118	24-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
119	24-IN CONCRETE PIPE TO DI TRANSITION FITTING	EA	2
120	20-IN HDPE PIPE (DI OD, SDR 11)	LF	100
121	20-IN C905 PVC PIPE	LF	100
122	20-IN C905 PVC PIPE (RESTRAINED JOINT)	LF	100
123	20-IN DUCTILE IRON PIPE	LF	100
124	20-IN DUCTILE IRON PIPE (RESTRAINED JOINT)	LF	100
125	20-IN CONCRETE PIPE TO DI TRANSITION FITTING	EA	2
	*FORCE MAIN ITEMS 18" & BELOW WILL BE PAID BASED ON ITEMS IN WATER SCHEDULE:		
126	3-5' DEPTH MANHOLE ASSEMBLY	EA	2
127	5-8' DEPTH MANHOLE ASSEMBLY	EA	2
128	8-10' DEPTH MANHOLE ASSEMBLY	EA	2
129	10-15' DEPTH MANHOLE ASSEMBLY	EA	2
130	15-20' DEPTH MANHOLE ASSEMBLY	EA	2
131	>20' DEPTH MANHOLE ASSEMBLY	EA	2
132	6-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
133	6-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
134	6-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
135	6-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
136	6-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
137	6-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
138	6-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100

Item No.	Description	Unit	Estimated Quantity
139	8-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
140	8-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
141	8-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
142	8-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
143	8-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
144	8-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
145	8-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
146	10-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
147	10-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
148	10-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
149	10-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
150	10-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
151	10-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
152	10-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
153	12-IN SDR 26 GRAVITY SEWER (3-5' DEPTH)	LF	100
154	12-IN SDR 26 GRAVITY SEWER (5-8' DEPTH)	LF	100
155	12-IN SDR 26 GRAVITY SEWER (8-10' DEPTH)	LF	100
156	12-IN SDR 26 GRAVITY SEWER (10-15' DEPTH)	LF	100
157	12-IN SDR 26 GRAVITY SEWER (15-20' DEPTH)	LF	100
158	12-IN SDR 26 GRAVITY SEWER (20-25' DEPTH)	LF	100
159	12-IN SDR 26 GRAVITY SEWER (25-30' DEPTH)	LF	100
160	4-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
161	4-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
162	6-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
163	6-IN POINT REPAIR (6'- 12' DEPTH)	EA	10

Item No.	Description	Unit	Estimated Quantity
164	8-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
165	8-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
166	10-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
167	10-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
168	12-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
169	12-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
170	15-IN POINT REPAIR (UP TO 6' DEPTH)	EA	10
171	15-IN POINT REPAIR (6'- 12' DEPTH)	EA	10
172	6-IN LINE STOP	EA	10
173	8-IN LINE STOP	EA	10
174	10-IN LINE STOP	EA	10
175	12-IN LINE STOP	EA	10
176	16-IN LINE STOP	EA	10
177	18-IN LINE STOP	EA	10
178	20-IN LINE STOP	EA	10
179	24-IN LINE STOP	EA	10
180	2-IN HDPE DIRECTIONAL BORE	LF	100
181	2-1/2IN HDPE DIRECTIONAL BORE	LF	100
182	3-IN HDPE DIRECTIONAL BORE	LF	100
183	4-IN HDPE DIRECTIONAL BORE	LF	100
184	6-IN HDPE DIRECTIONAL BORE	LF	100
185	8-IN HDPE DIRECTIONAL BORE	LF	100
186	10-IN HDPE DIRECTIONAL BORE	LF	100
187	12-IN HDPE DIRECTIONAL BORE	LF	100
188	16-IN HDPE DIRECTIONAL BORE	LF	100

Item No.	Description	Unit	Estimated Quantity
189	18-IN HDPE DIRECTIONAL BORE	LF	100
190	20-IN HDPE DIRECTIONAL BORE	LF	100
191	24-IN HDPE DIRECTIONAL BORE	LF	100
192	4-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
193	6-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
194	8-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
195	10-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
196	12-IN HDPE DIRECTIONAL BORE ON GRADE	LF	100
197	10-IN JACK & BORE (STEEL CASING)	LF	100
198	12-IN JACK & BORE (STEEL CASING)	LF	100
199	16-IN JACK & BORE (STEEL CASING)	LF	100
200	20-IN JACK & BORE (STEEL CASING)	LF	100
201	24-IN JACK & BORE (STEEL CASING)	LF	100
202	30-IN JACK & BORE (STEEL CASING)	LF	100
203	36-IN JACK & BORE (STEEL CASING)	LF	100
204	5-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
205	7-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
206	10-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
207	12-IN MANHOLE CORE DRILL W/FLEXIBLE BOOT	EA	10
208	DUPLEX GRINDER STATION (COMPLETE)	EA	10
209	WELL POINTING (ALL SIZES)	PER DAY	2
210	BYPASS PUMPING, UP TO 6" DIAMETER, UP TO 150 HP	PER DAY	2
211	BYPASS PUMPING, 6" TO 8" DIAMETER, UP TO 150 HP	PER DAY	2
212	BYPASS PUMPING, 8" TO 12" DIAMETER, UP TO 150 HP	PER DAY	2

Item No.	Description	Unit	Estimated Quantity
213	MOBILIZATION/DEMObILIZATION - 24 HOUR MAX RESPONSE - 5% OF Work Order Total (no less than \$1000)	N/A	N/A
214	MOBILIZATION/DEMObILIZATION - 7 DAY MAX RESPONSE - 5% OF Work Order Total (no less than \$250)	N/A	N/A
215	PERFORMANCE /PAYMENT BOND – 1.5% of Work Order Total	N/A	N/A

Item No.	Description	Unit
	STRAIGHT TIME LABOR WILL BE MADE AT THE FOLLOWING RATES:	
A	SUPERVISOR/PROJECT MANAGER	PER HOUR
B	CONSTRUCTION FOREMAN	PER HOUR
C	EQUIPMENT OPERATOR	PER HOUR
D	LABORER	PER HOUR
E	WELDER	PER HOUR
F	ELECTRICIAN	PER HOUR
G	3-MAN SURVEY CREW WITH EQUIPMENT	PER HOUR
H	INSTRUMENTATION & CONTROL SPECIALIST	PER HOUR
	OVERTIME LABOR WILL BE MADE AT THE FOLLOWING RATES:	
I	SUPERVISOR/PROJECT MANAGER	PER HOUR
J	CONSTRUCTION FOREMAN	PER HOUR
K	EQUIPMENT OPERATOR	PER HOUR
L	LABORER	PER HOUR
M	WELDER	PER HOUR
N	ELECTRICIAN	PER HOUR
O	3-MAN SURVEY CREW WITH EQUIPMENT	PER HOUR
P	INSTRUMENTATION & CONTROL SPECIALIST	PER HOUR
	EQUIPMENT:	
Q	3/4 TON PICKUP	PER HOUR
R	GANG/WORK TRUCK	PER HOUR
S	RUBBER TIRE LOADER/BACKHOE	PER HOUR
T	MINI-TRACK EXCAVATOR (2,061-22,451 LBS)	PER HOUR
U	MEDIUM TRACK EXCAVATOR (48,500 - 77,000 LBS)	PER HOUR
V	LARGE TRACK EXCAVATOR (80,500 - 207,300 LBS)	PER HOUR
W	DOZER	PER HOUR
X	TANDEM DUMP TRUCK	PER HOUR
Y	FLATBED DUMP TRUCK	PER HOUR
Z	TRUCK AND LOWBOY TRAILER	PER HOUR
AA	AIR COMPRESSOR	PER HOUR
BB	UTILITY TRACTOR	PER HOUR
CC	DEWATERING WELL POINT SYSTEM (6-IN PUMP)	PER PUMP PER WEEK
DD	DEWATERING WELL POINT SYSTEM (8-IN PUMP)	PER PUMP PER WEEK
EE	DEWATERING WELL POINT SYSTEM (10-IN PUMP)	PER PUMP PER

Item No.	Description	Unit
		WEEK
FF	DEWATERING WELL POINT SYSTEM (12-IN PUMP)	PER PUMP PER WEEK
GG	TRENCH BOX (4')	PER HOUR
HH	TRENCH BOX (8')	PER HOUR
II	CONCRETE AND ASPHALT SAW	PER HOUR
JJ	EMERGENCY LIGHTING SYSTEM	PER HOUR
KK	PILE DRIVER	PER HOUR
LL	SHEET PILE	PER SF/PER JOB
MM	PORTABLE WELDING MACHINE	PER HOUR
NN	BYPASS PUMPING SYSTEM (5HP-25HP)	PER DAY
OO	BYPASS PUMPING SYSTEM (25HP-100HP)	PER DAY
PP	BYPASS PUMPING SYSTEM (100HP-150HP)	PER DAY
QQ	SEWER CAMERA TRUCK	PER DAY
RR	VACUUM TRUCK	PER DAY
SS	VIBRATORY ROLLER	PER DAY
TT	MOTOR GRADER	PER DAY
UU	BUSH HOG	PER HOUR
VV	HYDROEXCAVATOR	PER HOUR
WW	GROUND PENETRATING RADAR	PER HOUR

Item No.	Description	Unit	Estimated Quantity
	<u>LABOR:</u>		
216	SUPERVISOR/PROJECT MANAGER	PER HOUR	40
217	CONSTRUCTION FOREMAN	PER HOUR	40
218	EQUIPMENT OPERATOR	PER HOUR	40
219	LABORER	PER HOUR	40
220	WELDER	PER HOUR	40
221	ELECTRICIAN	PER HOUR	40
222	3-MAN SURVEY CREW WITH EQUIPMENT	PER HOUR	40
223	INSTRUMENTATION & CONTROL SPECIALIST	PER HOUR	40
	<u>OVERTIME LABOR:</u>		
224	SUPERVISOR/PROJECT MANAGER	PER HOUR	5
225	CONSTRUCTION FOREMAN	PER HOUR	5

Item No.	Description	Unit	Estimated Quantity
226	EQUIPMENT OPERATOR	PER HOUR	5
227	LABORER	PER HOUR	5
228	WELDER	PER HOUR	5
229	ELECTRICIAN	PER HOUR	5
230	3-MAN SURVEY CREW WITH EQUIPMENT	PER HOUR	5
231	INSTRUMENTATION & CONTROL SPECIALIST	PER HOUR	5
	<u>EQUIPMENT:</u>		
232	3/4 TON PICKUP	PER HOUR	20
233	GANG/WORK TRUCK	PER HOUR	20
234	RUBBER TIRE LOADER/BACKHOE	PER HOUR	20
235	MINI-TRACK EXCAVATOR (2,061-22,451 LBS)	PER HOUR	20
236	MEDIUM TRACK EXCAVATOR (48,500 - 77,000 LBS)	PER HOUR	20
237	LARGE TRACK EXCAVATOR (80,500 - 207,300 LBS)	PER HOUR	20
238	DOZER	PER HOUR	20
239	TANDEM DUMP TRUCK	PER HOUR	20
240	FLATBED DUMP TRUCK	PER HOUR	20
241	TRUCK AND LOWBOY TRAILER	PER HOUR	20
242	AIR COMPRESSOR	PER HOUR	20
243	UTILITY TRACTOR	PER HOUR	20
244	DEWATERING WELL POINT SYSTEM (6" PUMP)	PER PUMP PER WEEK	20
245	DEWATERING WELL POINT SYSTEM (8" PUMP)	PER PUMP PER WEEK	20
246	DEWATERING WELL POINT SYSTEM (10" PUMP)	PER PUMP PER WEEK	20
247	DEWATERING WELL POINT SYSTEM (12" PUMP)	PER PUMP PER WEEK	20

Item No.	Description	Unit	Estimated Quantity
248	TRENCH BOX (4')	PER HOUR	20
249	TRENCH BOX (8')	PER HOUR	
250	CONCRETE AND ASPHALT SAW	PER HOUR	20
251	EMERGENCY LIGHTING SYSTEM	PER HOUR	20
252	PILE DRIVER	PER HOUR	20
253	SHEET PILE	PER SF/PER JOB	20
254	PORTABLE WELDING MACHINE	PER HOUR	20
255	BYPASS PUMPING SYSTEM (5HP-25HP)	PER DAY	20
256	BYPASS PUMPING SYSTEM (25HP-100HP)	PER DAY	20
257	BYPASS PUMPING SYSTEM (100HP-150HP)	PER DAY	20
258	SEWER CAMERA TRUCK	PER DAY	20
259	VACUUM TRUCK	PER DAY	20
260	VIBRATORY ROLLER	PER DAY	20
261	MOTOR GRADER	PER DAY	20
262	BUSH HOG	PER HOUR	20
263	HYDROEXCAVATOR	PER HOUR	20
264	GROUND PENETRATING RADAR	PER HOUR	20

Item No.	Description	Unit	Estimated Quantity
1	CLEARING AND GRUBBING	AC	0.5
2	REMOVE AND REPLACE CHAIN LINK FENCE (4')	LF	100
3	REMOVE AND REPLACE CHAIN LINK FENCE (6')	LF	100
4	REMOVE AND REPLACE WOOD FENCE (4')	LF	100
5	REMOVE AND REPLACE WOOD FENCE (6')	LF	100

Item No.	Description	Unit	Estimated Quantity
6	SELECT BACKFILL	CY	100
7	FOUNDATION MATERIAL	CY	50
8	DRIVEWAY MATERIAL	CY	50
9	PIPE BEDDING MATERIAL	CY	100
10	EROSION CONTROL BLANKET	SY	250
11	STRAW MULCH	SY	250
12	GRASSING (SEED)	AC	1
13	GRASSING (SOD)	SY	750
14	SILT FENCE FABRIC	LF	200
15	STRAW WATTLES	LF	1000
16	4-IN (SDR 26) GRAVITY SEWER SERVICE	LF	1000
17	6-IN (SDR 26) GRAVITY SEWER SERVICE	LF	250
18	4-IN PVC CLEANOUT	EA	20
19	6-IN PVC CLEANOUT	EA	10
20	1-1/2 IN (DR 11) HDPE SERVICE PIPE	LF	1000
21	1-1/4 IN (DR 11) HDPE SERVICE PIPE	LF	1000
22	1 IN (DR 11) HDPE SERVICE PIPE	LF	500
23	1-1/2 IN HDPE SERVICE LINE DIRECTIONAL BORE	LF	100
24	1-1/4 IN HDPE SERVICE LINE DIRECTIONAL BORE	LF	100
25	1 IN HDPE SERVICE LINE DIRECTIONAL BORE	LF	100
26	PRESSURE SEWER SERVICE CONNECTION	EA	100
27	PRESSURE SERVICE TAPS 3IN X 1IN	EA	10
28	PRESSURE SERVICE TAPS 3IN X 1-1/2IN	EA	10
29	PRESSURE SERVICE TAPS 4IN X 1IN	EA	10
30	PRESSURE SERVICE TAPS 4IN X 1-1/2IN	EA	10

Item No.	Description	Unit	Estimated Quantity
31	PRESSURE SERVICE TAPS 6IN X 1IN	EA	10
32	PRESSURE SERVICE TAPS 6IN X 1-1/2IN	EA	10
33	PRESSURE SERVICE TAPS 8IN X 1IN	EA	10
34	PRESSURE SERVICE TAPS 8IN X 1-1/2IN	EA	10
35	PRESSURE SERVICE TAPS 10IN X 1IN	EA	10
36	PRESSURE SERVICE TAPS 10IN X 1-1/2IN	EA	10
37	PRESSURE SERVICE TAPS 12IN X 1IN	EA	10
38	PRESSURE SERVICE TAPS 12IN X 1-1/2IN	EA	10
39	PRESSURE SERVICE TAPS 16IN X 1IN	EA	10
40	PRESSURE SERVICE TAPS 16IN X 1-1/2IN	EA	10
41	PRESSURE SERVICE TAPS 18IN X 1IN	EA	10
42	PRESSURE SERVICE TAPS 18IN X 1-1/2IN	EA	10
43	PRESSURE SERVICE TAPS 20IN X 1IN	EA	10
44	PRESSURE SERVICE TAPS 20IN X 1-1/2IN	EA	10
45	PRESSURE SERVICE TAPS 24IN X 1IN	EA	10
46	PRESSURE SERVICE TAPS 24IN X 1-1/2IN	EA	10
47	GRINDER STATION INSTALLATION (COMPLETE)	EA	100
48	DUPLEX GRINDER STATION INSTALLATION (COMPLETE)	EA	10
49	TANK AND PUMP INSTALLATION FOR STEP SYSTEM	EA	100
50	DUPLEX STEP SYSTEM INSTALLATION (COMPLETE)	EA	10
51	ABANDON EXISTING SEPTIC TANK	EA	100
52	ELECTRICAL CONNECTIONS - SIMPLEX PUMP (BASE)	EA	100
53	ELECTRICAL CONNECTIONS - SIMPLEX PUMP (ALTERNATE)	EA	5
54	ELECTRICAL CONNECTIONS - EFFLUENT PUMP (BASE)	EA	100
55	ELECTRICAL CONNECTIONS - EFFLUENT PUMP (ALTERNATE)	EA	5

Item No.	Description	Unit	Estimated Quantity
56	ADDITIONAL WIRE AND CONDUIT FOR ELECTRICAL CONNECITON	LF	500
57	INSTALL ELECTRICAL SUBPANEL AT MAIN ELECTRICAL SERVICE	EA	5
58	MOBILIZATION/DEMOBILIZATION -7 DAY MAX RESPONSE - 5% OF Work Order Total (no less than \$1,000)	N/A	N/A
59	PERFORMANCE /PAYMENT BOND – 1.5% of Work Order Total	N/A	N/A