

March 20, 2018

BOARD OF COUNTY COMMISSIONERS  
ORANGE COUNTY, FLORIDA

Y18-185-EB / ADDENDUM # 1  
TERM CONTRACT FOR STORMWATER INFRASTRUCTURE REHABILITATION SERVICES

Date for Receipt of Proposals: April 10, 2018

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

- A. The date for receipt of proposals remains April 10, 2018.
- B. The following changes are made to Part H, Technical Provisions of the solicitation:
  - 1. Paragraph 1 – Plans and Drawings: Second paragraph change the word ~~sketches~~ to read drawings as follows:

A work order from the County describing the proposed work, location, etc. will be submitted to the contractor. It's recommended that the contractor visit the site prior to the scheduled pre-work to identify any conflicts and/or develop any recommendations. The County will schedule a pre work meeting with all parties. A detailed quote including the proposed start and end dates, quantities and materials needed for the requested projects (pipe, cable concrete, sod, etc.), as-built ~~sketches~~ drawings, MOT plan, shop drawings, submittals shall be submitted to the County for review no later than five (5) workdays after the pre-work from the County. The Contractor may request additional time due to the complexity of the project. The start and end dates will be mutually agreed upon by the County's Representative and the Contractor. The County's Representative must review the submitted quote and authorize the contractor to proceed with the project.

- 2. The following sentence is hereby added to the end of paragraph 1 – Plans and Drawings:

When engineering drawings are provided, the Contractor shall also be responsible to provide certified as-builts for the project.

- 2. Paragraph 38 – As-Built is hereby changed to read as follows:

The Contractor shall submit as-built drawing for each assigned project or as directed by the County's Representative under this contract to include services and quantities/measurements, elevations, etc. of work

completed and accepted by the County. Before/after pictures and pre/post work videos shall also be submitted with the as-built and invoice for each project (including partial invoices). The cost for the as-built drawing and required pictures (including labor, materials and incidentals) required to complete accurate drawing for the projects as specified herein.

**Certified as-builts (required when engineering plans are provided) will be paid as each and shall be signed and sealed by a Professional Surveyor.**

- C. Part D, Schedule of Services is hereby deleted in its entirety and replaced by attached Revised Bid Schedule, pages D-3 thru D-17
- D. All other terms and conditions of the IFB remain the same.
- E. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.

Receipt acknowledged by:

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name of Firm

**ADDENDUM No. 1  
REVISED BID SCHEDULE  
Y18-185-EB  
TERM CONTRACT FOR STORMWATER INFRASTRUCTURE REHABILITATION SERVICES**

**BASE YEAR**

<b>Item #</b>	<b>Description</b>	<b>Unit</b>	<b>Est. Qty.</b>	<b>Unit Price</b>	<b>Total Cost</b>
	<b>Curb Inlets</b>				
1	Curb Inlet Type 1-4	EA	1		
2	Curb Inlet Type 6	EA	1		
3	Curb Inlet Type 1-4 (J Bottom) ID < 6'	EA	1		
4	Curb Inlet Lid Type 3	EA	1		
5	Curb Inlet Lid Type 4	EA	1		
6	Curb Inlet Lid Type 5	EA	1		
7	Curb Inlet Lid Type 6	EA	1		
8	Curb Inlet Throat Type 3	EA	1		
9	Curb Inlet Throat Type 4	EA	1		
10	Curb Inlet Throat Type 5	EA	1		
11	Curb Inlet Throat Type 6	EA	1		
	<b>Ditch Bottom Inlets</b>				
12	Type C (up to 18' depth)	EA	2		
13	Type D (up to 18' depth)	EA	2		
14	Type E (up to 18' depth)	EA	2		
15	Type H (up to 18' depth)	EA	2		
	<b>Ditch Bottom Inlets with J Bottom</b>				
16	Type C - J Bottom	EA	3		
17	Type D - J Bottom	EA	3		
18	Type E - J Bottom	EA	3		
19	Type H - J Bottom	EA	3		
20	Type C - J Bottom ID < 6'	EA	3		
	<b>Manholes</b>				
21	Type 7 up to 18'	EA	3		
22	Type 8 up to 18'	EA	3		
	<b>Manhole wih J Bottom</b>				
23	Type 7 J Bottom, ID < 6' (up to 18' depth)	EA	1		
24	Type 7 J Bottom, ID < 8' (Up to 18' depth)	EA	1		
25	Type 8, J Bottom, ID < 6' (Up to 18' depth)	EA	1		
26	Type 8, J Bottom, ID < 8' (Up to 18' depth)	EA	1		

	<b>Concrete Pipe</b>				
27	Pipe Concrete Culvert (class III)(15")(up to 18' depth)	LF	75		
28	Pipe Concrete Culvert (class III)(18")(up to 18' depth)	LF	75		
29	Pipe Concrete Culvert (class III)(24")(up to 18' depth)	LF	75		
30	Pipe Concrete Culvert (class III)(30")(up to 18' depth)	LF	40		
31	Pipe Concrete Culvert (class III)(36")(up to 18' depth)	LF	40		
32	Pipe, Concrete Culvert (class III)(42")(up to 18' depth)	LF	40		
33	Pipe, Concrete Culvert (class III)(48")(up to 18' depth)	LF	40		
34	Pipe, Concrete Culvert (class III)(54")(up to 18' depth)	LF	40		
35	Pipe, Concrete Culvert (class III)(60")(up to 18' depth)	LF	40		
36	Pipe, Concrete Culvert (class III)(66")(up to 18' depth)	LF	40		
37	Pipe, Concrete Culvert (class III)(72")(up to 18' depth)	LF	40		
38	Pipe, Concrete Culvert (class III)(84")(up to 18' depth)	LF	40		
39	Pipe, Concrete Culvert (class III)(96")(up to 18' depth)	LF	40		
40	Pipe, Concrete Elliptical (class III) (12X18)(up to 18' depth)	LF	75		
41	Pipe, Concrete Elliptical (class III) (14X23)(up to 18' depth)	LF	75		
42	Pipe, Concrete Elliptical (class III) (19X30)(up to 18' depth)	LF	75		
43	Pipe, Concrete Elliptical (class III) (24X38)(up to 18' depth)	LF	40		
44	Pipe, Concrete Elliptical (class III) (29X45)(up to 18' depth)	LF	40		
45	Pipe, Concrete Elliptical (class III) (34X53)(up to 18' depth)	LF	40		
46	Pipe, Concrete Elliptical (class III) (38X60)(up to 18' depth)	LF	40		
47	Pipe, Concrete Elliptical (class III) (43X68)(up to 18' depth)	LF	40		

48	Pipe, Concrete Elliptical (class III) (48X76)(up to 18' depth)	LF	40		
49	Pipe, Concrete Elliptical (class III) (53X83)(up to 18' depth)	LF	40		
50	Pipe, Concrete Elliptical (class III) (58X91)(up to 18' depth)	LF	40		
	<b>Mitered End Sections - Round Pipe</b>				
51	Mitered End Section (15")	EA	10		
52	Mitered End Section (18")	EA	10		
53	Mitered End Section (24")	EA	10		
54	Mitered End Section (30")	EA	10		
55	Mitered End Section (36")	EA	10		
56	Mitered End Section (42")	EA	2		
57	Mitered End Section (48")	EA	2		
58	Mitered End Section (54")	EA	2		
59	Mitered End Section (60")	EA	2		
60	Mitered End Section (66")	EA	2		
61	Mitered End Section (72")	EA	2		
62	Mitered End Section (84")	EA	2		
63	Mitered End Section (96")	EA	2		
	<b>Mitered End Sections - Elliptical Pipe</b>				
64	Mitered End Section (12" x 18")	EA	5		
65	Mitered End Section (14" x 23")	EA	5		
66	Mitered End Section (19" x 30")	EA	5		
67	Mitered End Section (24" x 38")	EA	5		
68	Mitered End Section (29" x 45")	EA	5		
69	Mitered End Section (34" x 53")	EA	2		
70	Mitered End Section (38" x 60")	EA	2		
71	Mitered End Section (43" x 68")	EA	2		
72	Mitered End Section (48" x 76")	EA	2		
73	Mitered End Section (53" x 83")	EA	2		
74	Mitered End Section (58" x 91")	EA	2		
	<b>Polyethelne Pipe</b>				
75	Pipe HDPE (15") (up to 18' depth)	LF	40		
76	Pipe HDPE (18") (up to 18' depth)	LF	60		
77	Pipe HDPE (24") (up to 18' depth)	LF	60		
78	Pipe HDPE (30") (up to 18' depth)	LF	60		
79	Pipe HDPE (36") (up to 18' depth)	LF	60		
80	Pipe HDPE (42") (up to 18' depth)	LF	40		
81	Pipe HDPE (48") (up to 18' depth)	LF	40		
82	Pipe HDPE (60") (up to 18' depth)	LF	40		

83	Pipe HDPE (72") (up to 18' depth)	LF	40		
84	Pipe HDPE (84") (up to 18' depth)	LF	40		
85	Pipe HDPE (96") (up to 18' depth)	LF	40		
	<b>Cable Concrete with Filtler Fabric</b>				
86	4"x16"x16"	SY	1,000		
87	6"x16"x16"	SY	500		
	<b>Concrete Curb</b>				
88	Curb and Gutter Type F	LF	100		
89	Valley Gutter	LF	100		
90	Miami Curb	LF	200		
91	Ribbon Curb	LF	100		
	<b>Flat Work Concrete</b>				
92	4" sidewalk (including compaction)	SY	750		
93	6" driveway approach/sidwalk (including compaction)	SY	750		
	<b>Straight End Walls/Head Walls/Retaining Walls</b>				
94	Concrete 8" - 4,000 PSI	CY	50		
95	Concrete 10" - 4,000 PSI	CY	50		
96	Concrete 12" - 4,000 PSI	CY	50		
	<b>Concrete Work</b>				
97	6" Splash Pad	SY	200		
98	6" Concrete Flume/Spillway	SY	200		
99	6" Ditch and Slope Pavement	SY	3,000		
	<b>Miscellaneous Items</b>				
100	Soil Cement Base 8" (Primed) Min. 300 PSI	SY	50		
101	Limerock Base 8" (LBR 100)	SY	50		
102	Concrete Base 8"	SY	50		
103	Stabilized Sub-Base 8" Concrete 3000 PSI	SY	50		
104	Type S-III Asphalt (1.5")	SY	50		
105	Clean Fill Dirt	CY	500		
106	Sediment Removal	CY	500		
107	Flowable Fill ( 100 to 150 PSI)	CY	10		
108	1/4" Skimmer Board with Brackets	SF	100		
109	Fiber Reinforced Polymer Compostie Post 4" x 4" (including hardware)	LF	300		
110	72" Galvanized Chain Link (Commericail Grade) (including hardware)	LF	200		
111	Temporary Commercial Chain Link Fence Panel (including hardware)	EA	100		

Y18-185-EB

Addendum No. 1 / Revised Bid Schedule

Page D-6

112	Erosion Filter Fabric Mat (including hardware)	SY	250		
113	Type V Underdrain (Class Va/Vb) with Cleanouts (6" Dia.), as specified	LF	1,000		
114	Type V Underdrain (Class Va/Vb) with Cleanouts (8" Dia.), as specified	LF	500		
115	Type V Underdrain (Class Va/Vb) with Cleanouts (10" Dia.), as specified	LF	500		
116	Type II Underdrain with Cleanouts(6" Dia.), as specified	LF	250		
117	Rubble 6" - 12" thick	TN	50		
118	Coarse Aggregate - #57 ( 1 inch to No. 4)	TN	50		
118	Recalimed Asphalt Pavement (Rap)	TN	100		
119	Misc Repairs	MH	100		
	<b>Polyethylene Pipe</b>				
120	4" PVC Pipe (sch 40)	LF	40		
121	6" PVC Pipe (sch 80)	LF	100		
122	8" PVC Pipe (sch 80)	LF	100		
123	10" PVC Pipe (sch 80)	LF	50		
	<b>Sod</b>				
124	Bahia Sod (flat runs)	SY	1,000		
125	Bahia Sod (Pegged) Slopes > 3:1	SY	500		
126	St Augustine (flat runs)	SY	500		
127	Zoysia Sod (flat runs)	SY	500		
128	Bahia Seeding & Mulch	SY	200		
	<b>Swale Excavation</b>				
129	1 foot depth and greater	SY	375		
130	Less than 1' foot depth	SY	375		
	<b>Night Differential Fees</b>				
131	Night Differential Fees (8 hour shift)	EA	3		
132	Police Office as MOT requires	HR	40		
133	Emergency Plant opening and closing	EA	2		
134	Emergency mobilization	EA	2		
135	As-Built	EA	50		
136	Cerified As-Built	EA	5		
137	Indemnification	LS	1		

ESTIMATED TOTAL BASE YEAR  
(ITEMS 1 THRU 137)

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**OPTION YEAR 1**

<b>Item #</b>	<b>Description</b>	<b>Unit</b>	<b>Est. Qty.</b>	<b>Unit Price</b>	<b>Total Cost</b>
	<b>Curb Inlets</b>				
138	Curb Inlet Type 1-4	EA	1		
139	Curb Inlet Type 6	EA	1		
140	Curb Inlet Type 1-4 (J Bottom) ID < 6'	EA	1		
141	Cub Inlet Lid Type 3	EA	1		
142	Cub Inlet Lid Type 4	EA	1		
143	Cub Inlet Lid Type 5	EA	1		
144	Cub Inlet Lid Type 6	EA	1		
145	Curb Inlet Throat Type 3	EA	1		
146	Curb Inlet Throat Type 4	EA	1		
147	Curb Inlet Throat Type 5	EA	1		
148	Curb Inlet Throat Type 6	EA	1		
	<b>Ditch Bottom Inlets</b>				
149	Type C (up to 18' depth)	EA	2		
150	Type D (up to 18' depth)	EA	2		
151	Type E (up to 18' depth)	EA	2		
152	Type H (up to 18' depth)	EA	2		
	<b>Ditch Bottom Inlets with J Bottom</b>				
153	Type C - J Bottom	EA	3		
154	Type D - J Bottom	EA	3		
155	Type E - J Bottom	EA	3		
156	Type H - J Bottom	EA	3		
157	Type C - J Bottom ID< 6'	EA	3		
	<b>Manholes</b>				
158	Type 7 up to 18'	EA	3		
159	Type 8 up to 18'	EA	3		
	<b>Manhole wih J Bottom</b>				
160	Type 7 J Bottom, ID< 6' (up to 18' depth)	EA	1		
161	Type 7 J Bottom, ID < 8'(Up to 18' depth)	EA	1		
162	Type 8, J Bottom, ID< 6' (Up to 18' depth)	EA	1		
163	Type 8, J Bottom, ID < 8'(Up to 18' depth)	EA	1		
	<b>Concrete Pipe</b>				
164	Pipe Concrete Culvert (class III)(15")(up to 18' depth)	LF	75		
165	Pipe Concrete Culvert (class III)(18")(up to 18' depth)	LF	75		
166	Pipe Concrete Culvert (class III)(24")(up to 18' depth)	LF	75		

Y18-185-EB

Addendum No. 1 / Revised Bid Schedule

Page D-8



167	Pipe Concrete Culvert (class III)(30")(up to 18' depth)	LF	40		
168	Pipe Concrete Culvert (class III)(36")(up to 18' depth)	LF	40		
169	Pipe, Concrete Culvert (class III)(42")(up to 18' depth)	LF	40		
170	Pipe, Concrete Culvert (class III)(48")(up to 18' depth)	LF	40		
171	Pipe, Concrete Culvert (class III)(54")(up to 18' depth)	LF	40		
172	Pipe, Concrete Culvert (class III)(60")(up to 18' depth)	LF	40		
173	Pipe, Concrete Culvert (class III)(66")(up to 18' depth)	LF	40		
174	Pipe, Concrete Culvert (class III)(72")(up to 18' depth)	LF	40		
175	Pipe, Concrete Culvert (class III)(84")(up to 18' depth)	LF	40		
176	Pipe, Concrete Culvert (class III)(96")(up to 18' depth)	LF	40		
177	Pipe, Concrete Elliptical (class III) (12X18)(up to 18' depth)	LF	75		
178	Pipe, Concrete Elliptical (class III) (14X23)(up to 18' depth)	LF	75		
179	Pipe, Concrete Elliptical (class III) (19X30)(up to 18' depth)	LF	75		
180	Pipe, Concrete Elliptical (class III) (24X38)(up to 18' depth)	LF	40		
181	Pipe, Concrete Elliptical (class III) (29X45)(up to 18' depth)	LF	40		
182	Pipe, Concrete Elliptical (class III) (34X53)(up to 18' depth)	LF	40		
183	Pipe, Concrete Elliptical (class III) (38X60)(up to 18' depth)	LF	40		
184	Pipe, Concrete Elliptical (class III) (43X68)(up to 18' depth)	LF	40		
185	Pipe, Concrete Elliptical (class III) (48X76)(up to 18' depth)	LF	40		
186	Pipe, Concrete Elliptical (class III) (53X83)(up to 18' depth)	LF	40		
187	Pipe, Concrete Elliptical (class III) (58X91)(up to 18' depth)	LF	40		

<b>Mitered End Sections - Round Pipe</b>					
188	Mitered End Section (15")	EA	10		
189	Mitered End Section (18")	EA	10		
190	Mitered End Section (24")	EA	10		
191	Mitered End Section (30")	EA	10		
192	Mitered End Section (36")	EA	10		
193	Mitered End Section (42")	EA	2		
194	Mitered End Section (48")	EA	2		
195	Mitered End Section (54")	EA	2		
196	Mitered End Section (60")	EA	2		
197	Mitered End Section (66")	EA	2		
198	Mitered End Section (72")	EA	2		
199	Mitered End Section (84")	EA	2		
200	Mitered End Section (96")	EA	2		
<b>Mitered End Sections - Elliptical Pipe</b>					
201	Mitered End Section (12" x 18")	EA	5		
202	Mitered End Section (14" x 23")	EA	5		
203	Mitered End Section (19" x 30")	EA	5		
204	Mitered End Section (24" x 38")	EA	5		
205	Mitered End Section (29" x 45")	EA	5		
206	Mitered End Section (34" x 53")	EA	2		
207	Mitered End Section (38" x 60")	EA	2		
208	Mitered End Section (43" x 68")	EA	2		
209	Mitered End Section (48" x 76")	EA	2		
210	Mitered End Section (53" x 83")	EA	2		
211	Mitered End Section (58" x 91")	EA	2		
<b>Polyethelne Pipe</b>					
212	Pipe HDPE (15") (up to 18' depth)	LF	40		
213	Pipe HDPE (18") (up to 18' depth)	LF	60		
214	Pipe HDPE (24") (up to 18' depth)	LF	60		
215	Pipe HDPE (30") (up to 18' depth)	LF	60		
216	Pipe HDPE (36") (up to 18' depth)	LF	60		
217	Pipe HDPE (42") (up to 18' depth)	LF	40		
218	Pipe HDPE (48") (up to 18' depth)	LF	40		
219	Pipe HDPE (60") (up to 18' depth)	LF	40		
220	Pipe HDPE (72") (up to 18' depth)	LF	40		
221	Pipe HDPE (84") (up to 18' depth)	LF	40		
222	Pipe HDPE (96") (up to 18' depth)	LF	40		
<b>Cable Concrete with Filtler Fabric</b>					
223	4"x16"x16"	SY	1,000		
224	6"x16"x16"	SY	500		

	<b>Concrete Curb</b>				
225	Curb and Gutter Type F	LF	100		
226	Valley Gutter	LF	100		
227	Miami Curb	LF	200		
228	Ribbon Curb	LF	100		
	<b>Flat Work Concrete</b>				
229	4" sidewalk (including compaction)	SY	750		
230	6" driveway approach/sidewalk (including compaction)	SY	750		
	<b>Straight End Walls/Head Walls/Retaining Walls</b>				
231	Concrete 8" - 4,000 PSI	CY	50		
232	Concrete 10" - 4,000 PSI	CY	50		
233	Concrete 12" - 4,000 PSI	CY	50		
	<b>Concrete Work</b>				
234	6" Splash Pad	SY	200		
235	6" Concrete Flume/Spillway	SY	200		
236	6" Ditch and Slope Pavement	SY	3,000		
	<b>Miscellaneous Items</b>				
237	Soil Cement Base 8" (Primed) Min. 300 PSI	SY	50		
238	Limerock Base 8" (LBR 100)	SY	50		
239	Concrete Base 8"	SY	50		
240	Stabilized Sub-Base 8" Concrete 3000 PSI	SY	50		
241	Type S-III Asphalt (1.5")	SY	50		
242	Clean Fill Dirt	CY	500		
243	Sediment Removal	CY	500		
244	Flowable Fill ( 100 to 150 PSI)	CY	10		
245	1/4" Skimmer Board with Brackets	SF	100		
246	Fiber Reinforced Polymer Composite Post 4" x 4" (including hardware)	LF	300		
247	72" Galvanized Chain Link (Commercial Grade) (including hardware)	LF	200		
248	Temporary Commercial Chain Link Fence Panel (including hardware)	EA	100		
249	Erosion Filter Fabric Mat (including hardware)	SY	250		
250	Type V Underdrain (Class Va/Vb) with Cleanouts (6" Dia.), as specified	LF	1,000		
251	Type V Underdrain (Class Va/Vb) with Cleanouts (8" Dia.), as specified	LF	500		
252	Type V Underdrain (Class Va/Vb) with Cleanouts (10" Dia.), as specified	LF	500		

Y18-185-EB

Addendum No. 1 / Revised Bid Schedule

Page D-11

253	Type II Underdrain with Cleanouts(6" Dia.), as specified	LF	250		
254	Rubble 6" - 12" thick	TN	50		
255	Coarse Aggregate - #57 ( 1 inch to No. 4)	TN	50		
256	Recalimed Aspahalt Pavement (Rap)	TN	100		
257	Misc Repairs	MH	100		
	<b>Polyethylene Pipe</b>				
258	4" PVC Pipe (sch 40)	LF	40		
259	6" PVC Pipe (sch 80)	LF	100		
260	8" PVC Pipe (sch 80)	LF	100		
261	10" PVC Pipe (sch 80)	LF	50		
	<b>Sod</b>				
262	Bahia Sod (flat runs)	SY	1,000		
263	Bahia Sod (Pegged) Slopes > 3:1	SY	500		
264	St Augustine (flat runs)	SY	500		
265	Zoysia Sod (flat runs)	SY	500		
266	Bahia Seeding & Mulch	SY	200		
	<b>Swale Excavation</b>				
267	1 foot depth and greater	SY	375		
268	Less than 1' foot depth	SY	375		
	<b>Night Differential Fees</b>				
269	Night Differential Fees (8 hour shift)	EA	3		
270	Police Office as MOT requires	HR	40		
271	Emergency Plant opening and closing	EA	2		
272	Emergency mobilization	EA	2		
273	As-Builts	EA	50		
274	Cerified As-Built	EA	5		

ESTIMATED TOTAL OPTION YEAR 1  
(ITEMS 138 THRU 274)

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**OPTION YEAR 2**

<b>Item #</b>	<b>Description</b>	<b>Unit</b>	<b>Est. Qty.</b>	<b>Unit Price</b>	<b>Total Cost</b>
	<b>Curb Inlets</b>				
275	Curb Inlet Type 1-4	EA	1		
276	Curb Inlet Type 6	EA	1		
277	Curb Inlet Type 1-4 (J Bottom) ID < 6'	EA	1		
278	Cub Inlet Lid Type 3	EA	1		
279	Cub Inlet Lid Type 4	EA	1		
280	Cub Inlet Lid Type 5	EA	1		
281	Cub Inlet Lid Type 6	EA	1		
282	Curb Inlet Throat Type 3	EA	1		
283	Curb Inlet Throat Type 4	EA	1		
284	Curb Inlet Throat Type 5	EA	1		
285	Curb Inlet Throat Type 6	EA	1		
	<b>Ditch Bottom Inlets</b>				
286	Type C (up to 18' depth)	EA	2		
287	Type D (up to 18' depth)	EA	2		
288	Type E (up to 18' depth)	EA	2		
289	Type H (up to 18' depth)	EA	2		
	<b>Ditch Bottom Inlets with J Bottom</b>				
290	Type C - J Bottom	EA	3		
291	Type D - J Bottom	EA	3		
292	Type E - J Bottom	EA	3		
293	Type H - J Bottom	EA	3		
294	Type C - J Bottom ID < 6'	EA	3		
	<b>Manholes</b>				
295	Type 7 up to 18'	EA	3		
296	Type 8 up to 18'	EA	3		
	<b>Manhole with J Bottom</b>				
297	Type 7 J Bottom, ID < 6' (up to 18' depth)	EA	1		
298	Type 7 J Bottom, ID < 8' (Up to 18' depth)	EA	1		
299	Type 8, J Bottom, ID < 6' (Up to 18' depth)	EA	1		
300	Type 8, J Bottom, ID < 8' (Up to 18' depth)	EA	1		
	<b>Concrete Pipe</b>				
301	Pipe Concrete Culvert (class III)(15")(up to 18' depth)	LF	75		
302	Pipe Concrete Culvert (class III)(18")(up to 18' depth)	LF	75		
303	Pipe Concrete Culvert (class III)(24")(up to 18' depth)	LF	75		

Y18-185-EB

Addendum No. 1 / Revised Bid Schedule

Page D-13

304	Pipe Concrete Culvert (class III)(30")(up to 18' depth)	LF	40		
305	Pipe Concrete Culvert (class III)(36")(up to 18' depth)	LF	40		
306	Pipe, Concrete Culvert (class III)(42")(up to 18' depth)	LF	40		
307	Pipe, Concrete Culvert (class III)(48")(up to 18' depth)	LF	40		
308	Pipe, Concrete Culvert (class III)(54")(up to 18' depth)	LF	40		
309	Pipe, Concrete Culvert (class III)(60")(up to 18' depth)	LF	40		
310	Pipe, Concrete Culvert (class III)(66")(up to 18' depth)	LF	40		
311	Pipe, Concrete Culvert (class III)(72")(up to 18' depth)	LF	40		
312	Pipe, Concrete Culvert (class III)(84")(up to 18' depth)	LF	40		
313	Pipe, Concrete Culvert (class III)(96")(up to 18' depth)	LF	40		
314	Pipe, Concrete Elliptical (class III) (12X18)(up to 18' depth)	LF	75		
315	Pipe, Concrete Elliptical (class III) (14X23)(up to 18' depth)	LF	75		
316	Pipe, Concrete Elliptical (class III) (19X30)(up to 18' depth)	LF	75		
317	Pipe, Concrete Elliptical (class III) (24X38)(up to 18' depth)	LF	40		
318	Pipe, Concrete Elliptical (class III) (29X45)(up to 18' depth)	LF	40		
319	Pipe, Concrete Elliptical (class III) (34X53)(up to 18' depth)	LF	40		
320	Pipe, Concrete Elliptical (class III) (38X60)(up to 18' depth)	LF	40		
321	Pipe, Concrete Elliptical (class III) (43X68)(up to 18' depth)	LF	40		
322	Pipe, Concrete Elliptical (class III) (48X76)(up to 18' depth)	LF	40		
323	Pipe, Concrete Elliptical (class III) (53X83)(up to 18' depth)	LF	40		
324	Pipe, Concrete Elliptical (class III) (58X91)(up to 18' depth)	LF	40		
	<b>Mitered End Sections - Round Pipe</b>				
325	Mitered End Section (15")	EA	10		
326	Mitered End Section (18")	EA	10		

327	Mitered End Section (24")	EA	10		
328	Mitered End Section (30")	EA	10		
329	Mitered End Section (36")	EA	10		
330	Mitered End Section (42")	EA	2		
331	Mitered End Section (48")	EA	2		
332	Mitered End Section (54")	EA	2		
333	Mitered End Section (60")	EA	2		
334	Mitered End Section (66")	EA	2		
335	Mitered End Section (72")	EA	2		
336	Mitered End Section (84")	EA	2		
337	Mitered End Section (96")	EA	2		
	<b>Mitered End Sections - Elliptical Pipe</b>				
338	Mitered End Section (12" x 18")	EA	5		
339	Mitered End Section (14" x 23")	EA	5		
340	Mitered End Section (19" x 30")	EA	5		
341	Mitered End Section (24" x 38")	EA	5		
342	Mitered End Section (29" x 45")	EA	5		
343	Mitered End Section (34" x 53")	EA	2		
344	Mitered End Section (38" x 60")	EA	2		
345	Mitered End Section (43" x 68")	EA	2		
346	Mitered End Section (48" x 76")	EA	2		
347	Mitered End Section (53" x 83")	EA	2		
348	Mitered End Section (58" x 91")	EA	2		
	<b>Polyethelne Pipe</b>				
349	Pipe HDPE (15") (up to 18' depth)	LF	40		
350	Pipe HDPE (18") (up to 18' depth)	LF	60		
351	Pipe HDPE (24") (up to 18' depth)	LF	60		
352	Pipe HDPE (30") (up to 18' depth)	LF	60		
353	Pipe HDPE (36") (up to 18' depth)	LF	60		
354	Pipe HDPE (42") (up to 18' depth)	LF	40		
355	Pipe HDPE (48") (up to 18' depth)	LF	40		
356	Pipe HDPE (60") (up to 18' depth)	LF	40		
357	Pipe HDPE (72") (up to 18' depth)	LF	40		
358	Pipe HDPE (84") (up to 18' depth)	LF	40		
359	Pipe HDPE (96") (up to 18' depth)	LF	40		
	<b>Cable Concrete with Filtler Fabric</b>				
360	4"x16"x16"	SY	1,000		
361	6"x16"x16"	SY	500		
	<b>Concrete Curb</b>				
362	Curb and Gutter Type F	LF	100		
363	Valley Gutter	LF	100		
364	Miami Curb	LF	200		

Y18-185-EB

Addendum No. 1 / Revised Bid Schedule

Page D-15

365	Ribbon Curb	LF	100		
	<b>Flat Work Concrete</b>				
366	4" sidewalk (including compaction)	SY	750		
367	6" driveway approach/sidwalk (including compaction)	SY	750		
	<b>Straight End Walls/Head Walls/Retaining Walls</b>				
368	Concrete 8" - 4,000 PSI	CY	50		
369	Concrete 10" - 4,000 PSI	CY	50		
370	Concrete 12" - 4,000 PSI	CY	50		
	<b>Concrete Work</b>				
371	6" Splash Pad	SY	200		
372	6" Concrete Flume/Spillway	SY	200		
373	6" Ditch and Slope Pavement	SY	3,000		
	<b>Miscellaneous Items</b>				
374	Soil Cement Base 8" (Primed) Min. 300 PSI	SY	50		
375	Limerock Base 8" (LBR 100)	SY	50		
376	Concrete Base 8"	SY	50		
377	Stabilized Sub-Base 8" Concrete 3000 PSI	SY	50		
378	Type S-III Asphalt (1.5")	SY	50		
379	Clean Fill Dirt	CY	500		
380	Sediment Removal	CY	500		
381	Flowable Fill ( 100 to 150 PSI)	CY	10		
382	1/4" Skimmer Board with Brackets	SF	100		
383	Fiber Reinforced Polymer Composite Post 4" x 4" (including hardware)	LF	300		
384	72" Galvanized Chain Link (Commercial Grade) (including hardware)	LF	200		
385	Temporary Commercial Chain Link Fence Panel (including hardware)	EA	100		
386	Erosion Filter Fabric Mat (including hardware)	SY	250		
387	Type V Underdrain (Class Va/Vb) with Cleanouts (6" Dia.), as specified	LF	1,000		
388	Type V Underdrain (Class Va/Vb) with Cleanouts (8" Dia.), as specified	LF	500		
389	Type V Underdrain (Class Va/Vb) with Cleanouts (10" Dia.), as specified	LF	500		
390	Type II Underdrain with Cleanouts(6" Dia.), as specified	LF	250		
391	Rubble 6" - 12" thick	TN	50		
392	Coarse Aggregate - #57 ( 1 inch to No. 4)	TN	50		

Y18-185-EB

Addendum No. 1 / Revised Bid Schedule

Page D-16



393	Recalimed Aspahalt Pavement (Rap)	TN	100		
394	Misc Repairs	MH	100		
	<b>Polyethylene Pipe</b>				
395	4" PVC Pipe (sch 40)	LF	40		
396	6" PVC Pipe (sch 80)	LF	100		
397	8" PVC Pipe (sch 80)	LF	100		
398	10" PVC Pipe (sch 80)	LF	50		
	<b>Sod</b>				
399	Bahia Sod (flat runs)	SY	1,000		
400	Bahia Sod (Pegged) Slopes > 3:1	SY	500		
401	St Augustine (flat runs)	SY	500		
402	Zoysia Sod (flat runs)	SY	500		
403	Bahia Seeding & Mulch	SY	200		
	<b>Swale Excavation</b>				
404	1 foot depth and greater	SY	375		
405	Less than 1' foot depth	SY	375		
	<b>Night Differential Fees</b>				
406	Night Differential Fees (8 hour shift)	EA	3		
407	Police Office as MOT requires	HR	40		
408	Emergency Plant opening and closing	EA	2		
409	Emergency mobilization	EA	2		
410	As-Built	EA	50		
411	Certifed As-Built	EA	5		

ESTIMATED OPTION YEAR 2  
(ITEMS 275 THRU 411)

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TOTAL ESTIMATED BID  
(BASE YEAR PLUS OPTION YEARS 1 AND 2)

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