

July 7, 2015
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

IFB Y15-790 PH, ADDENDUM NO. 2

MALCOLM ROAD WATER SUPPLY FACILITY PRODUCTION WELLS MR1, MR2,
MR3, MR5, AND MR6 DRILLING AND TESTING

BID OPENING DATE: July 14, 2015

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. Additions are indicated by underlining.

- A. The Bid Opening date is July 14, 2015 at 2:00 P.M.
- B. **Bid Schedule D-3 through D-9 is changed. Failure to use the Revised bid schedule labeled D- 3 Revised through D-9 Revised will result in your bid being found non responsive and ineligible for further consideration.**

C Questions and Answers

Question No. 1: In reference to the Bid Form Item 17 and its counter parts for the other wells; shouldn't the linear footage be 250' in lieu of 830'? Items 17 and 18 could be rotated as well. See revised bid schedule

Response No. 1: Please refer to revised Bid Form attached. To further clarify, the Bid items are not intended to follow a construction sequence or any particular order.

Question No. 2: Will any manufacture (Foreign or Domestic) meeting the ASTM A53B or API 5L, Grade B casing requirement be approved as equal?

Response No. 2: Well casing shall conform with ASTM A53B or API 5L, Grade B as per the technical specifications.

Question No. 3: The similar projects include installing a Lower Floridan production well with a minimum diameter of 12 inches. Would a Lower Floridan injection well or ASR be acceptable as a similar project?

Response No. 3: The definition of similar project experience consists mainly of successfully installing a well to the Lower Floridan Aquifer with a minimum diameter of 12 inches regardless of the well operational purpose. References will be checked to ensure they meet this criterion.

c. Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

<u>Item No.</u>	<u>Description</u>	<u>Est Qty</u>	<u>Unit</u>	<u>Unit Price (\$)</u>	<u>Item Total (\$)</u>
1	Mobilization, Demobilization and General Requirements	1	LS		
2	Indemnification	1	LS	100	100
3	Perform 24 Hour Constant Rate Discharge Test	24	Hours		
Estimated total (Items 1 - 3)					

<u>Item No.</u>	<u>Description</u>	<u>Est Qty</u>	<u>Unit</u>	<u>Unit Price (\$)</u>	<u>Item Total (\$)</u>
4	Drill 8-inch Pilot Hole	220	LF		
5	Drill Nominal 42-inch Borehole	110	LF		
6	Furnish and Install 36- inch Surface Casing	110	LF		
7	Cement Grout of 36- inch Surface Casing	614	94 lb. sack		
8	Drill Nominal 36-inch Borehole	110	LF		
9	Geophysical Logs 36- inch Borehole	1	EA		
10	Furnish and Install 30- inch Intermediate Casing	220	LF		
11	Cement Grout of 30- inch Intermediate Casing	952	94 lb. sack		
12	Drill 8-inch Pilot Hole	830	LF		
13	Drill Nominal 30-inch Borehole	830	LF		
14	Geophysical Logs 30- inch Borehole	1	EA		
15	Furnish and Install 24- inch Inner Casing	1050	LF		
16	Cement Grout of 24- inch Inner Casing	3506	94 lb. sack		
17	<u>Drill Nominal 24-inch Borehole</u>	<u>250</u>	LF		
18	Drill 8-inch Pilot Hole	250	LF		
19	Perform Plumbness and Alignment Test	1	EA		
20	Set Test Pump,	1	EA		

D-3 (Revised)

	Discharge Line, and Equipment				
21	Well Development Perform Step	48	Hours		
22	Drawdown Test Final Geophysical	10	Hours		
23	Logging and Video Log Install Protective Casing, Pad, and Bollards	1	EA		
24		1	EA		
25	Well Disinfection Sand/Pea Gravel Well	1	EA		
26	Cavity Fill	10	CY		
27	Dredging	120	Hours		
28	Stand-by Time	120	Hours		

Est. TOTAL FOR WELL MR-1

(Items 4 -28)

<u>Item No.</u>	<u>Description</u>	<u>Est Qty</u>	<u>Unit</u>	<u>Unit Price (\$)</u>	<u>Item Total (\$)</u>
29	Drill 8-inch Pilot Hole	220	LF		
30	Drill Nominal 42-inch Borehole	110	LF		
31	Furnish and Install 36-inch Surface Casing	110	LF		
32	Cement Grout of 36-inch Surface Casing	614	94 lb. sack		
33	Drill Nominal 36-inch Borehole	110	LF		
34	Geophysical Logs 36-inch Borehole	1	EA		
35	Furnish and Install 30-inch Intermediate Casing	220	LF		
36	Cement Grout of 30-inch Intermediate Casing	952	94 lb. sack		
37	Drill 8-inch Pilot Hole	830	LF		
38	Drill Nominal 30-inch Borehole	830	LF		
39	Geophysical Logs 30-inch Borehole	1	EA		
40	Furnish and Install 24-inch Inner Casing	1050	LF		

41	Cement Grout of 24-inch Inner Casing	3506	94 lb. sack		
42	<u>Drill Nominal 24-inch Borehole</u>	250	LF		
43	Drill 8-inch Pilot Hole	250	LF		
44	Perform Plumbness and Alignment Test	1	EA		
45	Set Test Pump, Discharge Line, and Equipment	1	EA		
46	Well Development	48	Hours		
47	Perform Step Drawdown Test	10	Hours		
48	Final Geophysical Logging and Video Log	1	EA		
49	Install Protective Casing, Pad, and Bollards	1	EA		
50	Well Disinfection	1	EA		
51	Sand/Pea Gravel Well Cavity Fill	10	CY		
52	Dredging	120	Hours		
53	Stand-by Time	120	Hours		

**EST TOTAL FOR WELL MR-2
(Items 29 -53)**

<u>Item No.</u>	<u>Description</u>	<u>Est Qty</u>	<u>Unit</u>	<u>Unit Price (\$)</u>	<u>Item Total (\$)</u>
54	Drill 8-inch Pilot Hole	220	LF		
55	Drill Nominal 42-inch Borehole	110	LF		
56	Furnish and Install 36-inch Surface Casing	110	LF		
57	Cement Grout of 36-inch Surface Casing	614	94 lb. sack		
58	Drill Nominal 36-inch Borehole	110	LF		
59	Geophysical Logs 36-inch Borehole	1	EA		
60	Furnish and Install 30-inch Intermediate Casing	220	LF		
61	Cement Grout of 30-inch Intermediate Casing	952	94 lb. sack		

D-5 (Revised)

62	Drill 8-inch Pilot Hole Drill Nominal 30-inch	830	LF		
63	Borehole	830	LF		
64	Geophysical Logs 30- inch Borehole	1	EA		
65	Furnish and Install 24- inch Inner Casing	1050	LF		
66	Cement Grout of 24- inch Inner Casing	3506	94 lb. sack		
67	<u>Drill Nominal 24-inch Borehole</u>	250	LF		
68	Drill 8-inch Pilot Hole	250	LF		
69	Perform Plumbness and Alignment Test	1	EA		
70	Set Test Pump, Discharge Line, and Equipment	1	EA		
71	Well Development	48	Hours		
72	Perform Step Drawdown Test	10	Hours		
73	Final Geophysical Logging and Video Log	1	EA		
74	Install Protective Casing, Pad, and Bollards	1	EA		
75	Well Disinfection	1	EA		
76	Sand/Pea Gravel Well Cavity Fill	10	CY		
77	Dredging	120	Hours		
78	Stand-by Time	120	Hours		

**EST TOTAL FOR WELL MR-3
(Items 54 -78)**

<u>Item No.</u>	<u>Description</u>	<u>Est Qty</u>	<u>Unit</u>	<u>Unit Price (\$)</u>	<u>Item Total (\$)</u>
79	Drill 8-inch Pilot Hole Drill Nominal 42-inch	220	LF		
80	Borehole	110	LF		
81	Furnish and Install 36- inch Surface Casing	110	LF		
82	Cement Grout of 36- inch Surface Casing	614	94 lb. sack		
83	Drill Nominal 36-inch Borehole	110	LF		

D-6 (Revised)

84	Geophysical Logs 36-inch Borehole	1	EA		
85	Furnish and Install 30-inch Intermediate Casing	220	LF		
86	Cement Grout of 30-inch Intermediate Casing	952	94 lb. sack		
87	Drill 8-inch Pilot Hole	830	LF		
88	Drill Nominal 30-inch Borehole	830	LF		
89	Geophysical Logs 30-inch Borehole	1	EA		
90	Furnish and Install 24-inch Inner Casing	1050	LF		
91	Cement Grout of 24-inch Inner Casing	3506	94 lb. sack		
92	<u>Drill Nominal 24-inch Borehole</u>	<u>250</u>	<u>LF</u>		
93	Drill 8-inch Pilot Hole	250	LF		
94	Perform Plumbness and Alignment Test	1	EA		
95	Set Test Pump, Discharge Line, and Equipment	1	EA		
96	Well Development	48	Hours		
97	Perform Step Drawdown Test	10	Hours		
98	Final Geophysical Logging and Video Log	1	EA		
99	Install Protective Casing, Pad, and Bollards	1	EA		
100	Well Disinfection	1	EA		
101	Sand/Pea Gravel Well Cavity Fill	10	CY		
102	Dredging	120	Hours		
103	Stand-by Time	120	Hours		

**EST TOTAL FOR WELL MR-5
(Items 79- 103)**

D-7 (Revised)

<u>Item No.</u>	<u>Description</u>	<u>Est Qty</u>	<u>Unit</u>	<u>Unit Price (\$)</u>	<u>Item Total (\$)</u>
104	Drill 8-inch Pilot Hole Drill Nominal 42-inch	220	LF		
105	Borehole	110	LF		
106	Furnish and Install 36- inch Surface Casing	110	LF		
107	Cement Grout of 36- inch Surface Casing	614	94 lb. sack		
108	Drill Nominal 36-inch Borehole	110	LF		
109	Geophysical Logs 36- inch Borehole	1	EA		
110	Furnish and Install 30- inch Intermediate Casing	220	LF		
111	Cement Grout of 30- inch Intermediate Casing	952	94 lb. sack		
112	Drill 8-inch Pilot Hole Drill Nominal 30-inch	830	LF		
113	Borehole	830	LF		
114	Geophysical Logs 30- inch Borehole	1	EA		
115	Furnish and Install 24- inch Inner Casing	1050	LF		
116	Cement Grout of 24- inch Inner Casing	3506	94 lb. sack		
117	<u>Drill Nominal 24-inch Borehole</u>	250	LF		
118	Drill 8-inch Pilot Hole	250	LF		
119	Perform Plumbness and Alignment Test	1	EA		
120	Set Test Pump, Discharge Line, and Equipment	1	EA		
121	Well Development Perform Step	48	Hours		
122	Drawdown Test Final Geophysical	10	Hours		
123	Logging and Video Log Install Protective	1	EA		
124	Casing, Pad, and Bollards	1	EA		
125	Well Disinfection Sand/Pea Gravel Well	1	EA		
126	Cavity Fill	10	CY		

D-8 (Revised)

127	Dredging	120	Hours	_____	_____
128	Stand-by Time	120	Hours	_____	_____

**EST TOTAL FOR WELL MR-6
(Items 104 -128)**

ESTIMATED TOTAL (Item 1-128)
