



**TETRA TECH**

August 28, 2006

Mr. Roger Greer  
Utilities Manager  
Hendry County  
25 E. Hickpochee Ave.  
LaBalle, FL 33935

**Subject: Hendry County – Port LaBalle Utilities South Raw Water Well  
Replacement: Recommendation of Award**

Tt #05.0150.007/File 1.4

Dear Mr. Greer:

Tetra Tech (Tt) has reviewed the attached bids received from Irrigation Plus and Mitchell & Stark Construction Company, Inc. (Mitchell & Stark) for the above referenced project, in the total amounts of \$209,377 and \$261,970 respectively. Based on our review, Irrigation Plus was a responsive, responsible bidder, having provided the necessary bonding information and acknowledgement of the addenda issued prior to bid.

Irrigation Plus is a local Contractor that specializes in water well construction, primarily residential. For this project, Irrigation Plus will use a number of subcontractors for this work, except for the well construction. Irrigation Plus has performed numerous water supply well installations throughout Southwest Florida.

During our review, it was determined that Irrigation Plus has not installed a well of this size in over 10 years, however they have the capability and equipment to perform the installation, based on the information provided. They are spoken favorably of by one of the most recognized water resources firms in Southwest Florida, Entrix Water Solutions. Irrigation Plus' bonding company, Merchants Bonding Company, has a class A rating which would allow for resolution in the event that Irrigation Plus is not able to perform.

The price provided for the project, and specifically for the well installation portion is considered reasonable, given the current state of the market.

Based on the above information, Tt recommends that Hendry County award the South Raw Water Well Replacement to Irrigation Plus, Inc. in the base bid amount of \$209,377.00.

Tt looks forward to completing this project with Hendry County and Irrigation Plus. Please give me a call if you have any questions.



**TETRA TECH**

Very truly yours,

**Tetra Tech**

A handwritten signature in black ink, appearing to read 'Michael Taylor', written in a cursive style.

**Michael Taylor, P.G.  
Project Manager**

DMN/Corr/Recomm.ltr

Cc: Shane Parker

Item No.	Description	Estimated Quantity	Unit	Irrigation Plus		Mitchell & Stark	
				Unit Price	Total Price	Unit Price	Total Price
<b>I. General:</b>							
1.1	Mobilization & Demobilization	1	L.S.	10000	10000	15000	15000
1.2	General Requirements	1	L.S.	100	100	6500	6500
1.3	Indemnification of Owner and Engineer	1	L.S.	1000	1000	100	100
			<b>SUBTOTAL</b>		<b>11100</b>		<b>21600</b>
<b>II. Raw Water Transmission Main - South Well</b>							
2.1	Trench Installation 8-Inch PVC	95	L.F.	55	5225	75	7125
2.2	8-inch Gate Valve	1	L.S.	1400	1400	2100	2100
			<b>SUBTOTAL</b>		<b>6625</b>		<b>9225</b>
<b>III. Well House - South Well</b>							
3.1	Sitework/grading	1	L.S.	1000	1000	5500	5500
3.2	Well House (New South Well)	1	L.S.	35000	35000	38579	38579
3.3	Well Pump Relocation	1	L.S.	6000	6000	2160	2160
3.4	Electrical/Instrumentation Relocation	1	L.S.	11000	11000	40500	40500
3.5	Interior Well Piping	1	L.S.	4000	4000	12250	12250
3.6	Landscaping/Sodding/Restoration	1	L.S.	3000	3000	4500	4500
			<b>SUBTOTAL</b>		<b>60000</b>		<b>103489</b>

**IV Initial Sonic Boring - South Well**

4.1	Boring/Sample Collection (190 - 290')	1	18000	18000	23760	23760
4.2	Sieve Analysis	18	5500	5500	27	486
				<b>SUBTOTAL</b>		<b>24246</b>

**V Test Well Production - South Well**

5.1	Surface Casing (16 inch black steel)	20	300	6000	324	6480
5.2	Well Casing (12 inch PVC)	200	99	19800	54	10800
5.3	Well Screen (12 inch Stainless steel)	90	180	16200	226.8	20412
5.4	Filter Pack Installed	1	900	1800	1603	3206
5.5	Cement Grout Installed	4.5	700	3150	1620	7290
5.6	Geophysical Logging	1	3800	3800	6480	6480
5.7	Video Logging	1	1000	1000	2160	2160
5.8	Install Discharge Line	100	6	600	4.32	432
5.9	Well Development	40	85	3400	216	8640
5.10	Step Drawdown Test	4	5000	20000	432	1728
5.11	Constant Rate Discharge Test	72	150	10800	216	15552
5.12	Plumbness and Alignment Testing	1	1000	1000	216	216
5.13	Disinfection & Bacteriological Tests	1	5000	5000	4320	4320
5.14	Concrete Pad and Flange Cap	1	2000	2000	1112.4	1112.4
5.15	Inorganic Water Quality Analysis	6	500	3000	540	3240
5.16	Water Quality Analysis (Table 2521A)	1	3000	3000	4320	4320

			<b>SUBTOTAL</b>	<b>100550</b>	<b>96388.4</b>
6.1	LS	6602	6602	6602	1620
6.2	LS	1000	1000	1000	5400
	<b>SUBTOTAL</b>		<b>7602</b>	<b>7602</b>	<b>7020</b>
	<b>TOTAL</b>		<b>209377</b>	<b>209377</b>	<b>261968.4</b>

**VI Well Abandonment - Existing South Well**

Piping and control panel modifications, Capping of existing water lines

Abandonment of Well