

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

=====

Meeting Date: July 10, 2007 Consent [X] Regular [ ]  
Public Hearing [ ]

Submitted By: Water Utilities Department  
Submitted For: Water Utilities Department

=====

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: Change Order No. 6 to the Contract with Widell, Inc. (R2005-1893) for the Northern Region Utility Site increasing the contract price by \$13,516.81 and providing a 118-day time extension.

**Summary:** On September 27, 2005, the Board approved a contract with Widell, Inc. in the amount of \$8,895,000 for construction of the Northern Region Utility Site (2005-1893). Change Order No. 6 authorizes the Contractor to perform various structural, civil and mechanical improvements for this project and resolve conflicts with the site drainage. The enhancements include modifications to the security system, redundant instrumentation, and minor electrical and roofing improvements. Included in this change order are credits in the amount of \$91,839.87 for deletion of landscaping, irrigation, and perimeter security components. These deleted items will be constructed by the Department in the future after regional drainage issues have been fully resolved. The Contractor has requested a 118-day time extension to complete these improvements and for delays associated site drainage issues. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15.00% overall. This Change Order includes zero SBE participation. This contract with Widell, Inc. provides for SBE participation of 15.9% overall.

(WUD Project No. 05-018)

District 6

(JM)

**Background and Justification:** On September 27, 2005, the Board approved contract with Widell (R2005-1893), allowing the County to Construct the Northern Region Utility Site in the unincorporated area in the amount of \$8,895,000. This Change Order improves the functionality of the Utility Site and deletes various components that cannot be constructed until future drainage improvements are completed.

**Attachments:**

1. Location Map
2. Two (2) Original Change Order No. 6

Recommended By: \_\_\_\_\_

*Lesla L. Rini*  
Department Director

06/21/07  
Date

Approved By: \_\_\_\_\_

*Shannon G. Byrne*  
Assistant County Administrator

6/24/07  
Date

Fiscal Years	2007	2008	2009	2010	2011
Capital Expenditures	\$13,516.81	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
<b>NET FISCAL IMPACT</b>	<b>\$13,516.81</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b># ADDITIONAL FTE POSITIONS (Cumulative)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Budget Account No.:</b>	<b>Fund 4011</b>	<b>Dept 721</b>	<b>Unit WO06</b>	<b>Object 6543</b>	<b>(50%)</b>
<b>Budget Account No.:</b>	<b>Fund 4011</b>	<b>Dept 721</b>	<b>Unit WO06</b>	<b>Object 6547</b>	<b>(50%)</b>

Is Item Included in Current Budget?      Yes X      No    

Reporting Category N/A

**B. Recommended Sources of Funds/Summary of Fiscal Impact:**

One time capital expenditure from Water Utilities Department user fees, connection fees and balance brought forward.

C. Department Fiscal Review: Debra M West

**III. REVIEW COMMENTS**

**A. OFMB Fiscal and/or Contract Development and Control Comments:**

Mark Dush 6-25-07  
OFMB  
CN 6/22/07  
CN 6/22/07  
CN 6/22/07

Jim J. Jacobi 6/25/07  
Contract Development and Control  
6/25/07

**B. Legal Sufficiency:**

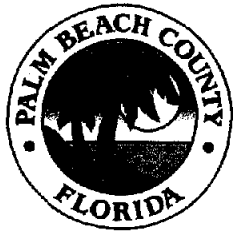
James C. [Signature] 6/26/07  
Assistant County Attorney

This item complies with current County policies.

**C. Other Department Review:**

\_\_\_\_\_  
Department Director

This summary is not to be used as a basis for payment.



**Palm Beach County  
Water Utilities  
Department  
Service Area (SA) and  
Major Facilities**

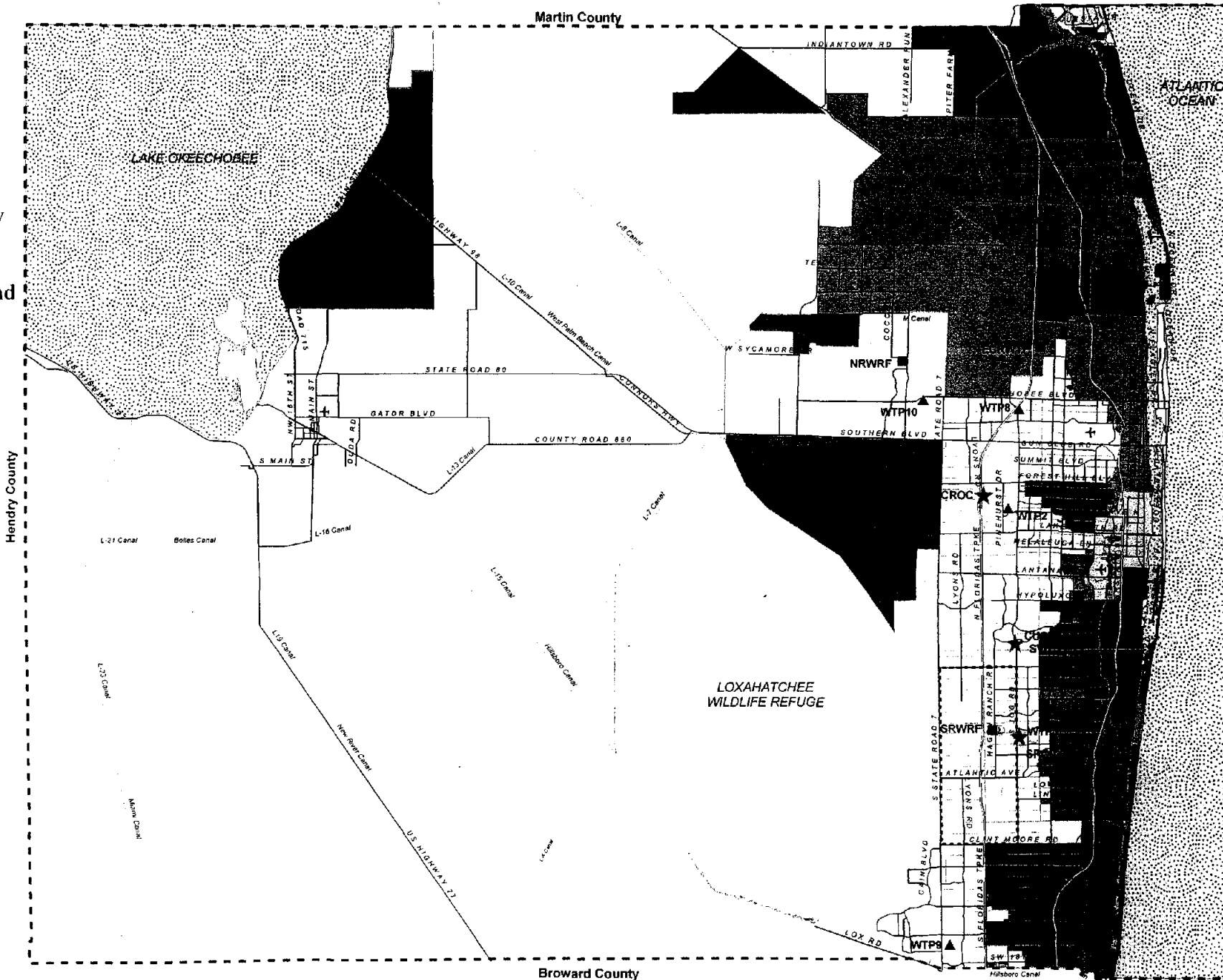
**Attachment 1**

**Legend**

- P.B.C.W.U.D. SA
- ..... Mandatory Reclaimed SA
- - - Palm Beach County Limits
- ★ Administration
- Water Reclamation Facility
- ▲ Water Treatment Facility
- ◻ Wetlands



NOT TO SCALE



CHANGE ORDER

PROJECT: BRP Utility Site

WATER UTILITIES DEPARTMENT

CHANGE ORDER NO.: 6 (Six)

PROJECT NO. : WUD 05-018

TO:  
Hal Myrah  
Widell, Inc.  
5365 Stirling Rd.  
Ft. Lauderdale, FL 33314

DOCUMENT NO. R2005-1893  
CONTRACT DATE: September 27, 2005  
NOTICE TO PROCEED: December 12, 2005  
BUDGET LINE FUND: 4011-721-W006-6543(50%)  
4011-721-W006-6547(50%)  
DISTRICT 6

You are directed to make the following changes in this contract:

- |  |                    |
|--|--------------------|
| 1. Add the electrical work for the fire protection system as required by Specification Section 15500 and Dwg. FP-01, as attached to RFP 2.   | \$4,933.09         |
| 2. Delete the perimeter fence detection system as shown on Dwg. SS-3 and SS-4, and as specified in Section 16970 par. 2.02. Refer to RFP 6.  | (\$39,202.94)      |
| 3. Install a redundant pressure transducer (PIT) adjacent to the primary pressure transducer, reference Loop No. 1010, including the PLC programming and selector switch, as completely described in RFP 9.                          | \$10,346.01        |
| 4. Provide landscaping and irrigation in accordance with the revised project drawings L-1 - L-4, IRR-2, IRR-3, and IRN-1, as attached to RFP 10.   | (\$52,636.93)      |
| 5. Provide all labor, material and equipment necessary to install the retention pond drainage structure, as completely described in RFP 12. Also, delete the rock pockets for pond percolation that were included in Change Order 3. | \$7,172.69         |
| 6. Furnish all labor, materials, and equipment necessary to install roofing membrane on the parapet faces, as completely described in RFP 13. This item includes a three (3) day time extension.                                     | \$5,145.00         |
| 7. Construct the security system according to the specifications included with the Mathews Consulting Memorandum dated June 28, 2006, and attached to RFP 15. This item includes a 15 day time extension.                            | \$24,202.89        |
| 8. Extend the Contract Time by fifty-five [55] calendar days for delays resulting from flooding. Reimburse the Contractor for the extended overhead costs related due to this extension.   | \$51,667.00        |
| 9. Reimburse the Contractor for costs to re-mobilize their mechanical subcontractor to make the final tie-in to the new County provided potable water line. This item includes a forty-five [45]calendar day time extension.         | \$1,890.00         |
| <b>Total</b>   | <b>\$13,516.81</b> |

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES HIS CONTRACT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

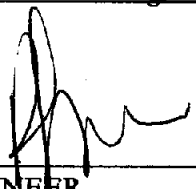
The Original Contract Sum was ..... \$8,895,000.00  
Net Change by previous Change Orders ..... \$(1,621,082.89)  
The Contract Sum prior to this Change Order was ..... \$7,273,917.11  
The Contract Sum will be increased by this Change Order..... \$13,516.81  
The New Contract Sum including this Change Order will be ..... \$7,287,433.92  
The Contract Time will be increased by 118 days..... 118 Days  
The Date of Substantial Completion (S.C.) including this Change Order: ..... May 3, 2007  
The Date of Final Completion ..... June 2, 2007

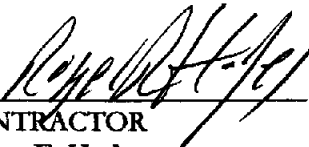
Execution of this change order acknowledges final settlement of, and releases, all claims for costs and time associated, directly or indirectly, with the above stated modification(s), including all claims for cumulative delays or disruptions resulting from, caused by, or incident to such modification(s), and including any claim that the above stated modification(s) constitutes, in whole or part, a cardinal change to the contract.


Mathews Consulting, Inc.

Widell, Inc.

Palm Beach County

BY   
ENGINEER  
Rene L. Mathews, P. E.  
P. O. Box 16907  
Address  
West Palm Beach, FL 33416

BY   
CONTRACTOR  
Robert E. Hodges  
5365 Stirling Road  
Address  
Ft. Lauderdale, FL 33314

BY \_\_\_\_\_  
OWNER:  
 Addie L. Greene, Chair Person  
P.O. Box 16097  
Address  
West Palm Beach, FL 33416

DATE 6-4-07

DATE 6/4/07

DATE \_\_\_\_\_

BRP UTILITY SITE  
PROJECT NO. : WUD 05-018  
DISTRICT = 6  
Contract No. R2005-1893  
CHANGE ORDER NO.: 6 (Six)

CHANGE ORDER CATEGORIZATION

<u>X</u>	OWNER INITIATED (Item 2, 3, 4, 6, 9)		QUANTITY OVERRUNS/ UNDER-RUNS
<u>X</u>	DIFFERING SITE CONDITIONS (Item 5, 8)	<u>X</u>	REQUEST BY ANOTHER AGENCY/OUTSIDE (Item 7)
<u>X</u>	ZONING/CODE/ORDINANCE CHANGES (Item 1, 4)		A. REIMBURSIBLE
	ERRORS/OMISSIONS IN DESIGN		B. NON-REIMBURSIBLE

BRP UTILITY SITE  
PROJECT NO. : WUD 05-018  
DISTRICT = 6  
Contract No. R2005-1893  
CHANGE ORDER NO.: 6 (Six)

SCOPE OF WORK

1. Add the *electrical work* for the fire protection system as required by Specification Section 15500 and Dwg. FP-01, as attached to RFP 2. This item is for the electrical components of RFP 2 only, which were excluded from Change Order 2. The change is the result of new requirements issued by the Building Department subsequent to bid.
2. Delete the perimeter fence detection system as shown on Dwg. SS-3 and SS-4, and as specified in Section 16970 par. 2.02. Refer to RFP 6. Do not delete the conduit installation. This change is the result of a request by the Owner. This site is remote and would be troubled by many nuisance alarms from wildlife.
3. Install a redundant pressure transducer (PIT) adjacent to the primary pressure transducer, reference Loop No. 1010, including the PLC programming and selector switch, as completely described in RFP 9. This change is the result of an Owner request, to improve operability and maintainability through redundancy.
4. Provide reduced landscaping and irrigation in accordance with the revised project drawings L-1 – L-4, IRR-2, IRR-3, and IRN-1, as attached to RFP 10. This change is the result of a request by the Owner. This change coordinates the landscaping and irrigation with the re-alignment of the entry road that resulted from not having the east perimeter canal filled in prior to start of construction. The east canal was not filled in because of the Federal Order to cease construction activities relative to the Scripps BRP development.
5. Provide all labor, material and equipment necessary to install the retention pond drainage structure, as completely described in RFP 12, and to delete the requirement to install rock pockets for percolation that were included in Change Order 3. This change is the result of a differing site condition. It became evident that the rock pockets would not work because of a perpetually high water table, so they were not constructed. Therefore, the alternate drainage structure is required.
6. Furnish all labor, materials, and equipment necessary to install roofing membrane on the parapet faces, as completely described in RFP 13. This change is the result of an alternated proposed by the Contractor to provide a roofing system with less maintenance and less chance of leaking as compared to the system bid that has stucco transitioning to roofing membrane on the parapets. This item includes a three (3) day time extension, because roofing is a critical path activity on the Contractor's CPM schedule.
7. Construct the security system according to the specifications included with the Mathews Consulting Memorandum dated June 28, 2006, as attached to RFP 15. This Change is the result of an "Outside Agency." Subsequent to bidding, the County's Security division issued the specifications included with the June 28, 2006 Memorandum in order that this contract will comply with new standards. This item includes a fifteen (15) day time extension, because the installation of the Security System is a critical path activity on the Contractor's CPM schedule.
8. Extend the Contract Time by fifty-five [55] calendar days for delays resulting from flooding. Reimburse the Contractor for the extended overhead costs related due to this extension. This change is necessary because of a differing site condition. The canal on the east project boundary was scheduled to be filled in under the Scripps development contract, but filling activities were terminated due to ACOE environmental lawsuit. The canal is still there and the high rainfall amounts accumulated in the canal negating the Contractor's ability to dewater efficiently for adjacent underground work. Thus, the Contractor experienced delays resulting in higher than anticipated dewatering costs, and supervision, and extended overhead. The time extension of fifty-five days with associated costs of \$51,667.00 is the result of a negotiated settlement reached on May 15, 2007.

9. Reimburse the Contractor for costs to re-mobilize their mechanical subcontractor to make the final tie-in to the new County provided potable water line. The Contract documents state that potable water will be available [for pipeline connection] by July 15, 2007. The Contractor worked accordingly, completed his potable water lines, and the new potable water line being constructed to this project site was not ready when needed for tie-in. This forced the Contractor to incur costs of \$1,890.00 to re-mobilize their mechanical subcontractor to make the tie-in and delayed critical flushing activities by forty-five days.



PROJECT NO. : WUD 05-018  
DISTRICT = 6  
Contract No. R2005-1893  
CHANGE ORDER NO.: 6 (six)

COST SUMMARY

<u>C.O. #</u>	<u>DESCRIPTION</u>	<u>ADDITIONS</u>	<u>DELETIONS</u>	<u>NET CHANGE</u>
6.1	Fire Protection Electrical	\$4,933.09		\$4,933.09
6.2	Perimeter Fence		(\$39,202.94)	(\$39,202.94)
6.3	Redundant Pressure Transducer	\$10,346.01		\$10,346.01
6.4	Revised Landscaping		(\$52,636.93)	(\$52,636.93)
6.5	Drainage Structure	\$12,097.45	(4,924.76)	\$7,172.69
6.6	Roofing membrane	\$5,145.00		\$5,145.00
6.7	Security System	\$24,202.89		\$24,202.89
6.8	Time Extension	\$51,667.00		\$51,667.00
6.9	Delayed water tie-in	\$1,890.00		\$1,890.00
	<b>Total</b>	<b>\$110,281.44</b>	<b>-\$96,764.63</b>	<b>\$13,516.81</b>

**CHANGE ORDER ADDITIONS/DELETIONS SUMMARY**

PROJECT:	BRP Utility Site	<u>APPROVAL LIMITS:</u>					
CONTRACTOR:	Widell, Inc.						
PROJECT NO.:	04-125		DEPARTMENT HEAD	CONTRACT REVIEW COMMITTEE	DEPARTMENT HEAD PLUS CONTRACT REVIEW COMMITTEE		
RESOLUTION:	R2005-1893		(Amount)	(Days)	(Amount)	(Days)	(Amount) (Days)
DATE APPROVED:	9/25/05	INDIVIDUAL C.O.	\$10,000.00	40 Days	\$50,000.00	200 Days	\$60,000.00 240 Days
CONTRACT AMOUNT:	8,895,000.00	CUMMULATIVE C.O.	\$50,000.00	100 Days	\$100,000.00	300 Days	\$200,000.00 400 Days

C.O. #	DATE APPROVED	NET CHANGE	DEPARTMENT HEAD (ADDS PLUS DEDUCTS)		CONTRACT REVIEW COMMITTEE (ADDS PLUS DEDUCTS)		TOTAL DEPT. HEAD & CONTRACT REVIEW COMM. (ADDS PLUS DEDUCTS)		BOARD OF COUNTY COMMISSIONERS (ADDS PLUS DEDUCTS)		TOTALS
			AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	
001	10/18/05	(2,039,397.92)	0	0	0	0	0	0	(2,039,397.92)	0	(2,039,397.92)
002	03/08/06	52,853.04	0	0	52,853.04	15	52,853.04	15	0	0	52,853.04
003	6/6/06	143,642.53	0	0	0	0	0	0	143,642.53	0	143,642.53
004	10/17/06	123,777.00	0	0	0	0	0	0	123,777.00	30	123,777.00
005	2/6/07	98,042.46	14	0	0	0	0	0	98,042.46	14	98,042.46
006	pending	13,516.81	0	0	0	0	0	0	13,516.81	118	13,516.81
<b>TOTAL</b>		<b>\$(1,607,566.08)</b>	<b>14</b>	<b>0</b>	<b>52,853.04</b>	<b>15</b>	<b>52,853.04</b>	<b>15</b>	<b>(1,607,566.08)</b>	<b>162</b>	<b>(1,607,566.08)</b>

**Notes:**

1. Net Change reflects the net amount of additions plus deductions.
2. Adds plus Deducts reflects the net value of unrelated changes for use in determining the approval authority for the Change Order.
3. Liquidated Damages = \$3000 (Prior to Substantial Completion) and = \$ 1000 (After Substantial Completion).

SCHEDULE 1

PARTICIPATION BY M/WBE SUBCONTRACTORS

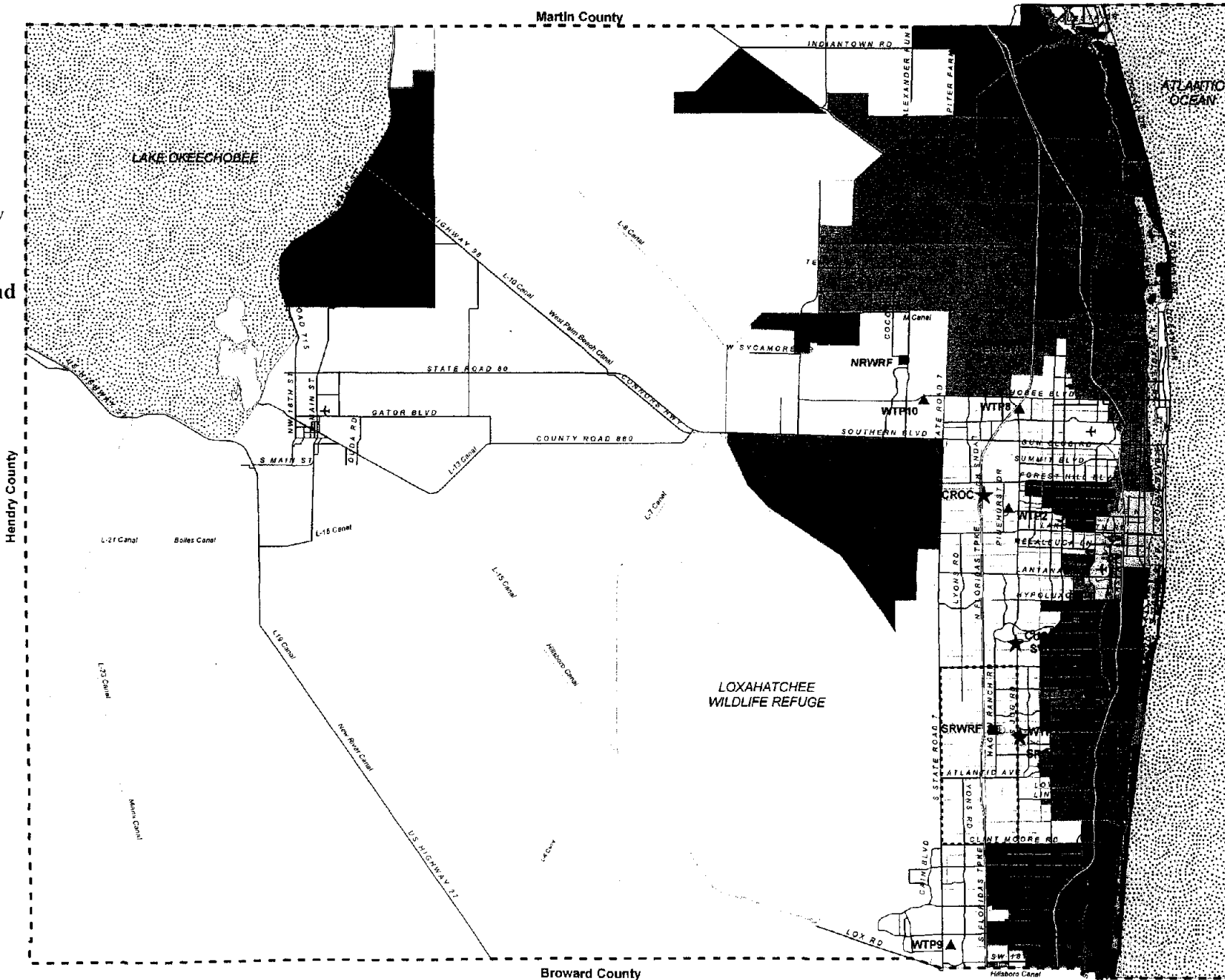
PROJECT NAME: BRP Utility Site PROJECT NO.: 05-018  
 NAME OF PRIME CONTRACTOR: Widell Inc CHANGE ORDER NO. 6  
 CONTACT PERSON: Hal Myrah PHONE NO: 561-791-7561 FAX NO. 561-791-7565  
 BID DATE: 9/27/05 DEPARTMENT: WUD

Name, Address and Phone Number of M/WBE	Type of Work To Be Performed	Subcontract Amount			
		Black	Hispanic	Women	Other (Please Specify)
1.		---	---	---	---
2.		---	---	---	---
3.		---	---	---	---
4.		---	---	---	---
5.		---	---	---	---
6.		---	---	---	---
7.		---	---	---	---
8.		---	---	---	---
9.		---	---	---	---
10.		---	---	---	---
Totals		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

Original Contract Amount	<u>\$8,895,000.00</u>	Original Participation	<u>\$1,348,059.</u>	Percent Participation	<u>15.15</u>
Adjusted Contract Amount	<u>\$7,287,433.92</u>	Adjusted Participation	<u>\$1,348,059.</u>	Adjusted Percent Participation	<u>19.00</u>



**Palm Beach County  
Water Utilities  
Department  
Service Area (SA) and  
Major Facilities**



**Legend**

- P.B.C.W.U.D. SA
- Mandatory Reclaimed SA
- - - - - Palm Beach County Limits
- ★ Administration
- Water Reclamation Facility
- ▲ Water Treatment Facility
- ◻ Wetlands



NOT TO SCALE

13

**TO:** Hal Myrah  
**FROM:** Rene Mathews  
**DATE:** October 11, 2005  
**SUBJECT:** Request for Proposal #2 ←  
Bldg. Department Permit Changes

*THIS CHANGE ORDER, Electrical portion*

Please provide a proposal to make the following changes as required by the Bldg. Department:

1. Add Fire Protection system as required by Spec.15500 (attached) and Dwg. FP-01 (attached).
2. Add one (1) cabbage palm and sixteen (16) cocoplums around building transform as shown on attached Sketches 1 & 2.
3. Add 3'x3'x4" high landing on each side of the Switchgear Room internal doors (for a total of 4 landings). Refer to Sketch 3 attached.
4. Dwg. A-6, Door Schedule, Note 3 - Add Doors 003, 010 and 015 to receive panic hardware.

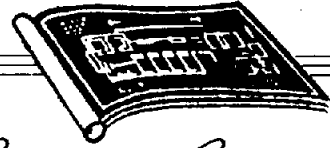
*PREVIOUS CHANGE ORDER*

Thank you.

c: Joe Tanecredi, PBCWUD  
Bruce Wundrack, MC  
File

*C.O. 6, Item 1*





*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction

February 20, 2007

**Via Fax and U. S. Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Proposal 22A-Fire Protection System Electrical**  
*(RFP 2)*

Dear Ms. Mathews:

Enclosed is our revised Proposal for the electrical work associated with the Fire Protection System. This electrical work was not incorporated into the Building Permit changes in Change Order 2.

1 Lot Electrical work for the Fire Protection System..... Lump Sum..... \$4,933.09

Please review the attached breakdown with detailed backup from our electrician. We request that you write a Contract Change Order for the increased amount of \$4,933.09 with two (2) additional days of contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please do not hesitate to call.

Very truly yours,

WIDELL, INC.

*Hal H. Myrah*  
Hal H. Myrah  
Project Manager

*Accepted &  
by email 3/8/07  
BMW*

cc: File w/attachments  
Field  
Chrono  
Acctg: SRP

*C.O. Co, Item 1*

REH/jlg:Proposal680 22A

SAFETY PAYS

AN EQUAL OPPORTUNITY EMPLOYER

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C.	3. E.R.	5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Loveland Quotation	1	LS			2	\$4,698.18		
Subtotal				\$0.00		\$4,698.18		0.00
Mat. taxes & labor burden			6%	0.00			50%	\$0.00
Material				0.00		4698.18		\$0.00
Subcont., Equip. Rental or Other				4,698.18				
Labor				0.00				
Subtotal				4,698.18				
Overhead on subcontract			5%	234.91				
Overhead on Labor & Material			15%	0.00				
<b>TOTAL</b>				<b>\$4,933.09</b>				
<b>Page Totals</b>								





1368 N. Killian Dr.  
Lake Park, FL 33403  
561-882-0401 Fax 561-882-0555

TO: Widell, Inc. DATE: 2/19/2007 NO: 2  
5365 Stirling Rd. JOB: BRP Utility Site  
Ft. Lauderdale, FL 33314 JOB NO: 05-050

ATTN: Hal Myrah

We have received and reviewed your proposed change request RFP #2  
Pertaining to addition of fire alarm devices to support new fire protection system.

We propose to furnish all material, labor and supervision for the execution of the electrical work covered  
by this change for the lump sum of: Four Thousand Six Hundred Ninety Eight Dollars & 18/100  
\$4,698.18

In order to incorporate this change, we estimate that we will require additional time for completion and  
have based our proposal upon receiving 2 calendar days extension.

This proposal is firm for acceptance within 15 days. We cannot proceed with the work  
covered by this proposed change until we receive written approval, which must be within the above  
time limit to prevent additional costs.

Exceptions taken are: \_\_\_\_\_

This proposal is based solely on the usual cost elements such as labor, material and normal markups  
and does not include any amount for additional changes in the sequence of work, delays, disruption,  
rescheduling, extended overhead, overtime, acceleration and/or impact costs and the right is expressly  
reserved to make claim for any and all of these and related items of cost prior to any final settlement of  
this contract. The issuance of a change order is acknowledgement and acceptance of all terms and  
conditions of this written proposal and may not be altered in any way unless agreed to in writing.

LOVELAND ELECTRIC, INC.

David M. Loveland  
Vice President

# LOVELAND ELECTRIC, INC.

## Change Order Estimate Sheet

		<u>LABOR</u>			
1	ESTIMATED MAN HOURS	<u>12.23</u>	HRS X RATE	<u>\$45.00</u>	\$550.35
2	SUPERVISION				\$137.59
3	PROJECT MANAGER				\$38.52
4	TOTAL LABOR				\$726.46
		<u>MATERIAL</u>			
5	ESTIMATED MATERIAL			\$268.60	
6	MATERIAL QUOTES			\$0.00	
7	SUBTOTAL MATERIAL			\$268.60	
8	FREIGHT / DELIVERY			\$8.06	
9	SALES TAX			\$17.98	
10	TOTAL MATERIAL			\$294.64	
		<u>EXPENSES</u>			
11	SUBCONTRACTOR COST			\$2,703.00	
12	SMALL TOOLS			\$36.32	
13	RENTED EQUIPMENT			\$0.00	
14	JOB EXPENSES			\$188.02	
15	INSURANCE			\$39.48	
16	BOND			\$79.76	
17	TOTAL EXPENSES			\$3,046.59	
		<u>OVERHEAD &amp; PROFIT</u>			
18	OVERHEAD			10.00%	\$406.77
19	PROFIT			5.00%	\$223.72
20			<b>ESTIMATE</b>		<b>\$4,698.18</b>

Loveland Electric

**\*\* TAKE-OFF PARTS SUMMARIZED BY BREAKOUT \*\***

**\*\* Job: BRP Utility Site \*\* Job Number: 05-050A \*\* Bid Date: 8/3/2005 \*\***

Page 1 Date 2/19/2007 2:44:38 PM

PART NUMBER	DESCRIPTION	COUNT	Material			Labor		
			UNIT	EXTENDED	% TTL	UNIT	HOURS	% TTL
Base/Alt	Sheet	System	From/To		(Untitled)	(Untitled)		
COCP #2	FA-2	Fire Alarm	<No Name>		<No Name>	<No Name>		
00500	Miscellaneous Items							
11303001122	3/4" ALUMINUM COND (EXPOSED)	20.00	197.184 C	39.44	14.68%	11.250 C	2.25	18.39%
12005002103	3/4" STEEL GREENFIELD	12.00	51.577 C	6.19	2.30%	7.500 C	0.90	7.36%
19952200104	YELLOW PULL STRING	22.00	7.200 M	0.16	0.06%	2.200 M	0.05	0.40%
21200001162	3/4" 90 ALUM ELBOW	3.00	799.140 C	23.97	8.93%	0.450 C	0.01	0.11%
2400RG67300	3/4" FLEX CONN SS CAST	4.00	136.585 C	5.46	2.03%	21.000 C	0.84	6.87%
2510AP33550	FDC BX 1G THRAD 3/4 FDC-1-75	2.00	25.104 E	50.21	18.69%	1.050 E	2.10	17.17%
2510AF34715	FS BLNK STEL CVR 1G FSK-1B	2.00	3.452 E	6.98	2.60%	0.100 E	0.20	1.64%
2510CH22860	FS WFF CAST COVER 1G DS185	2.00	44.028 E	88.06	32.78%	0.150 E	0.30	2.45%
2900UN16015	UNISTFUT 1-1/2X1-1/2" SS	5.00	881.000 C	44.55	16.59%	60.000 C	3.00	24.53%
2900UN11352	3/4" ALU UNISTFUT STRAPS	4.00	49.140 C	1.97	0.73%	4.500 C	0.18	1.47%
65309072003	TAPCON ANCHOR 1/4 X 1-1/4"	8.00	20.160 C	1.61	0.60%	30.000 C	2.40	19.62%
<b>Subtotal:</b>				<b>268.60</b>	<b>100.00%</b>		<b>12.23</b>	<b>100.00%</b>
<b>Total:</b>				<b>268.60</b>	<b>100.00%</b>		<b>12.23</b>	<b>100.00%</b>



February 13, 2007

*Electrical Design Associates*

Mr. Bruce M. Wundrack, P.E.  
Mathews Consulting, Inc.  
1475 Centrepark Boulevard, Suite 250  
West Palm Beach, FL 33401

Re: BRP Utility Site  
Palm Beach County, Florida

Dear Mr. Wundrack:

This confirms our review of RFP's received on January 17, 2007. Based on our review we offer the following:

**1. RFP No.2 – Fire Protection System Electrical:**

- a. Quote from SimplexGrinnell indicates six (6) addressable modules, tampers and flow switches, drawings only require two (2).
- b. Shop drawings received from the Contractor do not indicate the intent to install additional devices above and beyond the two shown on the design drawings.

As such we recommend the Contractor be requested to revise the RFP and resubmit.

**2. RFP No. 6 – Fence Security System Deduct:**

- a. The credit provided by the equipment supplier appear to be acceptable and within industry standards.
- b. The change order estimate provided by the electrical contractor includes an adder of \$6,000.00 for project management.

As currently submitted we do not recommend approval. We recommend the Electrical contractor address the additional cost, revise and resubmit.

**3. PBC Security Specification Revisions:**

- a. The cost provided by the equipment supplier appear to be acceptable and within industry standards.



As such we recommend approval.

Should you require additional information please call.

Very truly yours,

Lillian M. Reyes, P.E.

cc: Ms. Rene L. Mathews, P.E.

BW021307.ltr.doc

4733 West Atlantic Avenue, Suite 12-C • Delray Beach, Florida 33445  
Telephone 561.819.5556 • Fax 561.819.5557 • [www.goeda.com](http://www.goeda.com) • M/WBE Certified

---

13

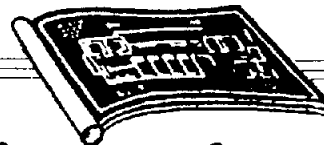
**TO:** Hal Myrah  
**FROM:** Rene Mathews  
**DATE:** September 6, 2006  
**SUBJECT:** Request for Proposal #6  
Fence Detection System

---

Please provide a proposal to delete the perimeter fence detection system as shown on Dwg. SS-3 and SS-4 and as specified in Section 16970-2.02.

c: Joe Tancredi, PBCWUD  
Bruce Wundrack, MC  
Lillian Reyes, EDA  
File

*C.O. Co, Item 2*



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction

February 20, 2007

**Via Fax and U. S. Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**WI Proposal No. 15A - Fence Security System**

*RFP 6*

Dear Ms. Mathews:

We have revised our Proposal to delete the fiber for the fence security system. Please find the attached letter from Loveland Electric offering a credit of \$53,272.94 for the entire system. Contract Change Order No. 3 previously deducted \$14,070 from the fence security system. The net result is as follows:

1 Lot Credit for Fence Security System ..... Lump Sum ..... (\$39,202.94)

We request that you prepare a deductive Contract Change Order in the amount of \$39,202.94 with no additional Contract Time. If you have any questions or need any additional information, please do not hesitate to contact us.

Very truly yours,

WIDELL, INC.

*Hal H. Myrah*  
Hal H. Myrah  
Project Manager

*Accepted by email  
\$ only. 2/2/07  
AMW*

*C.O. 6, Item 2*

cc: File w/attachments  
Field  
Chrono  
Acctg: SRP

HHM/jlg:Proposal680 15A

SAFETY PAYS

AN EQUAL OPPORTUNITY EMPLOYER



1368 N. Killian Dr.  
Lake Park, FL 33403  
561-882-0401 Fax 561-882-0555

TO: Widell, Inc. DATE: 2/19/2007 NO: 4  
5365 Stirling Rd. JOB: BRP Utility Site  
Ft. Lauderdale, FL 33314 JOB NO: 05-050

ATTN: Hal Myrah

We have received and reviewed your proposed change request  
Pertaining to Delete fence security system

We propose to furnish all material, labor and supervision for the execution of the electrical work covered  
by this change for the lump sum of: (Fifty Three Thousand Two Hundred Seventy Two Dollars & 94/100)  
(\$53,272.94)

In order to incorporate this change, we estimate that we will require additional time for completion and  
have based our proposal upon receiving 0 calendar days extension.

This proposal is firm for acceptance within 15 days. We cannot proceed with the work  
covered by this proposed change until we receive written approval, which must be within the above  
time limit to prevent additional costs.

Exceptions taken are: Conduit system will be completed with pullstrings.

This proposal is based solely on the usual cost elements such as labor, material and normal markups  
and does not include any amount for additional changes in the sequence of work, delays, disruption,  
rescheduling, extended overhead, overtime, acceleration and/or impact costs and the right is expressly  
reserved to make claim for any and all of these and related items of cost prior to any final settlement of  
this contract. The issuance of a change order is acknowledgement and acceptance of all terms and  
conditions of this written proposal and may not be altered in any way unless agreed to in writing.

LOVELAND ELECTRIC, INC.

A handwritten signature in black ink, appearing to read 'D. Loveland'.

David M. Loveland  
Vice President

# LOVELAND ELECTRIC, INC.

## Change Order Estimate Sheet

		<u>LABOR</u>		
1 ESTIMATED MAN HOURS	0	HRS X RATE	<u>\$45.00</u>	\$0.00
2 SUPERVISION				\$0.00
3 PROJECT MANAGER				\$3,750.00
4 TOTAL LABOR				\$3,750.00
		<u>MATERIAL</u>		
5 ESTIMATED MATERIAL				
6 MATERIAL QUOTES		(\$55,490.00)		Project manager includes project buyout, shop drawings and submittals, change order processing, etc.
7 SUBTOTAL MATERIAL		(\$55,490.00)		
8 FREIGHT / DELIVERY		\$0.00		
9 SALES TAX		\$0.00		
10 TOTAL MATERIAL		(\$55,490.00)		
		<u>EXPENSES</u>		
11 SUBCONTRACTOR COST				\$0.00
12 SMALL TOOLS				\$0.00
13 RENTED EQUIPMENT				\$0.00
14 JOB EXPENSES				\$0.00
15 INSURANCE				(\$517.40)
16 BOND				(\$1,015.54)
17 TOTAL EXPENSES				(\$1,532.94)
		<u>OVERHEAD &amp; PROFIT</u>		
18 OVERHEAD			0.00%	\$0.00
19 PROFIT			0.00%	\$0.00
20		<b>ESTIMATE</b>		(\$53,272.94)



37

**TO:** Hal Myrah  
**FROM:** Rene L. Mathews, P.E.  
**DATE:** October 17, 2006  
**SUBJECT:** Request for Proposal #9  
Additional Pressure Transducer

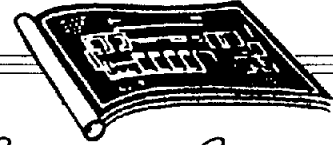
---

Please provide a detailed quote to furnish, install and provide programming for a redundant wastewater pump suction Pressure Transducer. The scope of work is as follows:

1. Furnish and install a redundant Pressure Transducer (PIT) adjacent to the primary Pressure Transducer (Ref. Loop No. 1010).
2. Program PLC to allow both PITs to indicate suction pressure as well as High and Low pressure alarms.
3. Provide selector switch in the PLC to manually set the primary sensor (for control of the wastewater pumps).

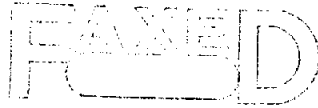
c: Joe Tanecredi, PBCWUD  
Bruce Wundrack, MC  
Lillian Reyes, EDA  
File

*C.O.G., Item 3*



State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

February 26, 2007

**Via Fax and U. S. Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Proposal 23A- Redundant Pressure Transducer**

Dear Ms. Mathews:

As requested in your e-mail dated February 14, 2007 regarding the cost for the Redundant Pressure Transducer, we are pleased to provide you with the following **revised** proposal:

1 Lot      Additional Pressure Transducer ..... Lump Sum ..... \$10,364.01

Please review the attached breakdown. We request that you write a Contract Change Order for the increased amount of \$10,364.01 with sixty (60) additional days of contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please do not hesitate to call.

Very truly yours,

WIDELL, INC.

*Hal H. Myrah*  
Hal H. Myrah  
Project Manager

Attachments

cc:    File w/attachments  
      Field  
      Chrono  
      Acctg: SRP

HHM/jlg: Proposal 680 23A

*C.O.G. Item 3*

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C.	3. E.R.	5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Loveland's Quotation	1	LS			2	\$1,516.32		
Commerce Control's Quotation	1	LS			2	\$7,449.36		
Pipe Tap	1	EA			2	\$400.00		
Widell Labor	6	HRS					24	144.00
Misc. SST Tubing	1	LS		\$200.00				
Subtotal				\$200.00		\$9,365.68		144.00
Mat. taxes & labor burden			6%	12.00			50%	\$72.00
Material				212.00		9365.68		\$216.00
Subcont., Equip. Rental or Other				9,365.68				
Labor				216.00				
Subtotal				9,793.68				
Overhead on subcontract			5%	468.28				
Overhead on Labor & Material			15%	102.04				
<b>TOTAL</b>				<b>\$10,364.01</b>				
<b>Page Totals</b>								



# Loveland electric

1368 N. Killian Dr.  
Lake Park, FL 33403  
561-882-0401 Fax 561-882-0555

TO: Widell, Inc.  
5365 Stirling Rd.  
Ft. Lauderdale, FL 33314

DATE: 1/15/2007 NO: 6  
JOB: BRP Utility Site  
JOB NO: 05-050

ATTN: Hal Myrah

We have received and reviewed your proposed change request  
Pertaining to Added redundant pressure switch

We propose to furnish all material, labor and supervision for the execution of the electrical work covered  
by this change for the lump sum of: One Thousand Five Hundred Sixteen dollars  
\$1,516.32

In order to incorporate this change, we estimate that we will require additional time for completion and  
have based our proposal upon receiving 2 calendar days extension.

This proposal is firm for acceptance within 15 days. We cannot proceed with the work  
covered by this proposed change until we receive written approval, which must be within the above  
time limit to prevent additional costs.

Exceptions taken are: \_\_\_\_\_

This proposal is based solely on the usual cost elements such as labor, material and normal markups  
and does not include any amount for additional changes in the sequence of work, delays, disruption,  
rescheduling, extended overhead, overtime, acceleration and/or impact costs and the right is expressly  
reserved to make claim for any and all of these and related items of cost prior to any final settlement of  
this contract. The issuance of a change order is acknowledgement and acceptance of all terms and  
conditions of this written proposal and may not be altered in any way unless agreed to in writing.

LOVELAND ELECTRIC, INC.

David M. Loveland  
Vice President

# LOVELAND ELECTRIC, INC.

## Change Order Estimate Sheet

		<u>LABOR</u>			
1	ESTIMATED MAN HOURS	<u>12.72</u>	HRS X RATE	<u>\$45.00</u>	\$572.40
2	SUPERVISION				\$143.10
3	PROJECT MANAGER				\$40.07
4	TOTAL LABOR				\$755.57
		<u>MATERIAL</u>			
5	ESTIMATED MATERIAL		\$383.17		
6	MATERIAL QUOTES		\$0.00		
7	SUBTOTAL MATERIAL		\$383.17		
8	FREIGHT / DELIVERY		\$11.50		
9	SALES TAX		\$25.65		
10	TOTAL MATERIAL		\$420.32		
		<u>EXPENSES</u>			
11	SUBCONTRACTOR COST			\$0.00	
12	SMALL TOOLS			\$37.78	
13	RENTED EQUIPMENT			\$0.00	
14	JOB EXPENSES			\$60.68	
15	INSURANCE			\$12.74	
16	BOND			\$25.74	
17	TOTAL EXPENSES			\$136.95	
		<u>OVERHEAD &amp; PROFIT</u>			
18	OVERHEAD			10.00%	\$131.28
19	PROFIT			5.00%	\$72.21
20			<b>ESTIMATE</b>		<b>\$1,516.32</b>

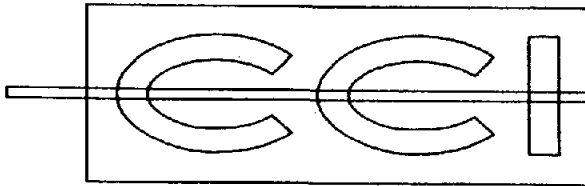
Loveland Electric

**\*\* TAKE-OFF PARTS SUMMARIZED BY BREAKOUT \*\***

**\*\* Job: BRP Utility Site \*\* Job Number: 05-050 \*\* Bid Date: 8/3/2005 \*\***

Page 1 Date 1/15/2007 10:52:37 AM

PART NUMBER	DESCRIPTION	COUNT	Material			Labor		
			UNIT	EXTENDED	% TTL	UNIT	HOURS	% TTL
Base/Alt	Sheet	System	From/To		{Untitled}	{Untitled}		
ADDED TRANSDUCER	<No Name>	<No Name>	<No Name>		<No Name>	<No Name>		
*** Breakout Multipliers: Count = 1 Material Cost = 1.00 Labor Hours = 1.00								
02800006205	10/1 SHIELDED CABLE KLF JACKET	60.00	600.000 M	36.00	0.40	24.000 M	1.44	11.60
14005002 41	3/4" SEALTITE TYPE UA	1.00	160.000 C	4.80	1.25	11.300 C	0.34	2.67
24107014053	3/4" SEALTITE STR CONN	1.00	503.780 C	5.04	1.31	22.000 C	0.22	1.73
24107014783	3/4" SEALTITE 90 CONN	1.00	837.850 C	8.38	2.19	22.000 C	0.22	1.73
29000N10010	UNISTRUT 1-1/2X3/4" SS	5.00	825.000 C	41.25	10.77	45.000 C	2.25	17.68
3000HF50020	N4X SS 6X6X4 J-BOX	1.00	267.700 E	267.70	69.87	3.750 E	3.75	29.48
39102220019	(PS) PRESSURE SWITCH	1.00	20.000 E	20.00	5.22	4.500 E	4.50	35.26
<b>Subtotal:</b>				<b>383.17</b>	<b>100.00%</b>		<b>12.72</b>	<b>100.00%</b>
<b>Total:</b>				<b>383.17</b>	<b>100.00%</b>		<b>12.72</b>	<b>100.00%</b>



# Commerce Controls Incorporated

10360 72<sup>nd</sup> St N  
Suite 814

Largo, FL 33777

727-548-0211  
FAX 727-548-0558

25 February 2007

Widell, Inc.  
5365 Stirling Road  
Ft. Lauderdale, FL 33314

Attn: Hal Myrah  
RE: Palm Beach County  
BRP Wastewater Redundant Suction Pressure Transmitter

Gentlemen:

We are proposing to provide the following materials and services for this project:

- Add an additional pressure transmitter with diaphragm seal
- Add an additional panel and field surge arrestor
- Program PLC for additional control capability
- Program HMI for additional control capability
- Calibrate transmitter
- Loop check transmitter
- Operational readiness test of the loop
- Functional demonstration test of the loop
- Site acceptance test of the loop
- Revised submittals
- Revised drawings
- Revised manuals

Our proposal includes the following labor:

Qty	Description	Price	Total
2	Hours Project Management	\$125.00	\$ 250.00
4	Hours Engineering	\$96.00	\$ 384.00
2	Hours HMI Programming	\$96.00	\$ 192.00
4	Hours PLC Programming	\$96.00	\$ 384.00
4	Hours Engineering Services (CAD, Copying, etc)	\$65.00	\$ 260.00
0	Hours Shop Labor	\$60.00	\$ 0.00
8	Hours Travel	\$116.00	\$ 928.00
2	Equipment Calibration and Certification	\$116.00	\$ 232.00
4	Hours On-site Panel Modifications	\$116.00	\$ 464.00
2	Hours On-site PLC Changes and Check-out	\$116.00	\$ 232.00
2	Hours On-site HMI Changes and Checkout	\$116.00	\$ 232.00



8	Hours Loop Checkout, FDT & ORT	\$116.00	\$ 928.00
	Total Labor		\$4,486.00

Our proposal includes the following materials:

Qty	Description	Price	Total
1	Pressure Transmitter w/ diaphragm seal	\$1,943.00	\$1,943.00
1	2-wire surge arrestor	\$72.00	\$ 72.00
1	Panel surge arrestor	\$72.00	\$ 72.00
Lot	Misc Wire, Terminals, Etc		\$104.35
	Overhead 15%		\$ 313.05
	Profit 10%		\$ 208.70
Lot	Freight		\$100.00
Lot	Tax		\$ 150.26
	Subtotal Materials		\$2,963.36
	Total Equipment Addition		\$2,963.36

**Total for this change: \$7,449.36**  
**Additional Contract Time Required: 50 Business Days**

Please note:

- 1.) Additional equipment required, as discovered during engineering will be at an additional cost.
- 2.) We are furnishing only the materials and services called out above.

If you have questions, please do not hesitate to call.

Regards,

Commerce Controls, Inc.

Sean Gucken



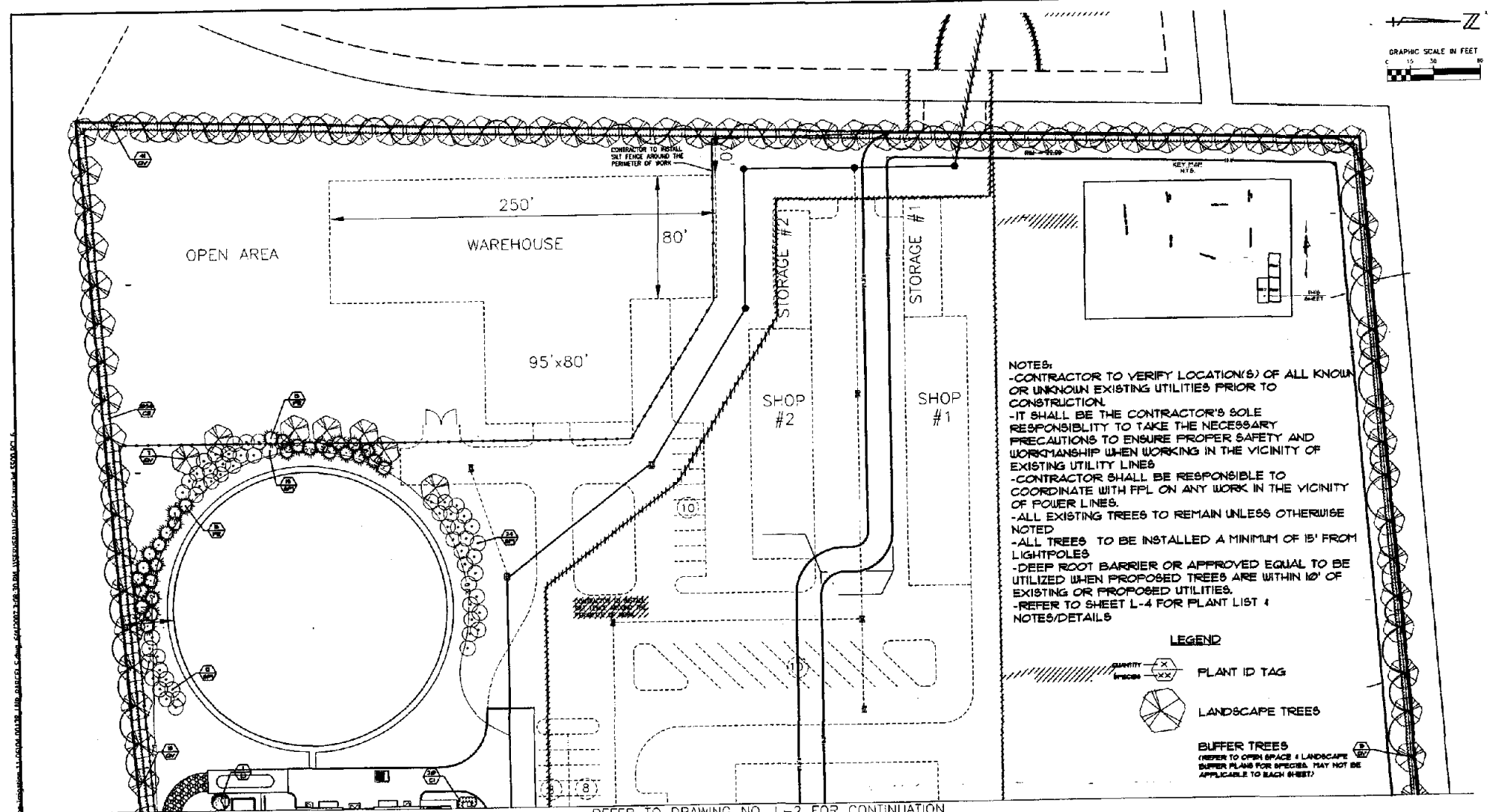
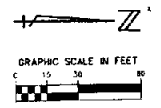


**TO:** Hal Myrah  
**FROM:** Rene L. Mathews, P.E.  
**DATE:** December 4, 2006  
**SUBJECT:** Request for Proposal #10  
Revised Landscaping and Irrigation

Please provide a detailed quote to revise the site landscaping and irrigation as shown on the attached revised drawings. The following changes have been made:

- ◆ Sheet L-1:
  - Changed size of green buttonwood to 3 gal.
  - Eliminated the Sabal Palms along fence line
  - Reduced size of oak trees around storage tank and fence line from 16 ft. Oa to 14 ft. Oa.
  - Changed material around pump building.
- ◆ Sheet L-2:
  - Revised landscape to reflect new road alignment.
  - Changed material around pump station.
  - Eliminated Pines at front entrance, substituted Royal Palms.
- ◆ Sheet L-3:
  - Revised landscape to reflect new road alignment.
  - Eliminated landscape material along roadway.
- ◆ Sheet L-4:
  - Revised plant list to reflect changes on drawings.
- ◆ Sheet IRR-2:
  - Revised irrigation to reflect new road alignment.
  - Changed head layout along roadway.

*C.O.G., IRM H*



**NOTES:**

- CONTRACTOR TO VERIFY LOCATION(S) OF ALL KNOWN OR UNKNOWN EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF POWER LINES.
- ALL EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED.
- ALL TREES TO BE INSTALLED A MINIMUM OF 15' FROM LIGHTPOLES.
- DEEP ROOT BARRIER OR APPROVED EQUAL TO BE UTILIZED WHEN PROPOSED TREES ARE WITHIN 10' OF EXISTING OR PROPOSED UTILITIES.
- REFER TO SHEET L-4 FOR PLANT LIST & NOTES/DETAILS.

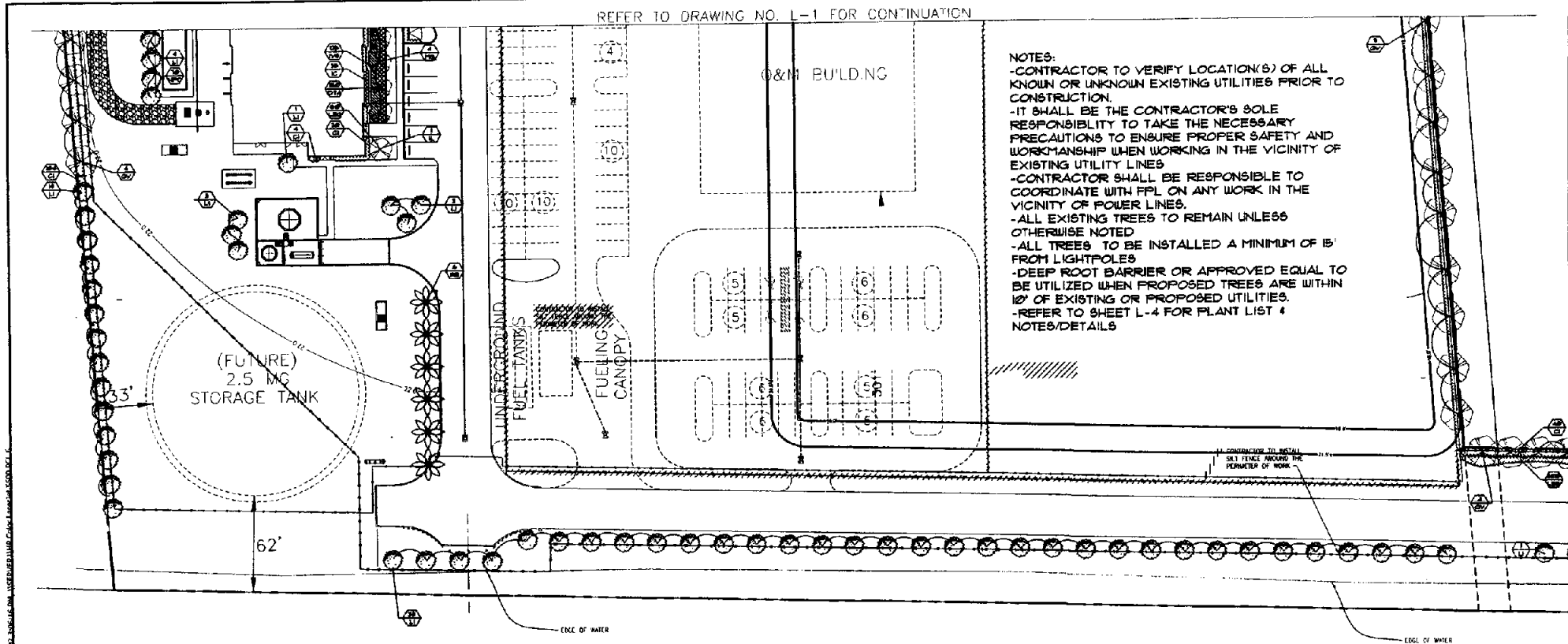
**LEGEND**

PLANT ID TAG  
 LANDSCAPE TREES  
 BUFFER TREES  
(REFER TO OPEN SPACE & LANDSCAPE BUFFER PLANS FOR SPECIES. MAY NOT BE APPLICABLE TO EACH SHEET.)

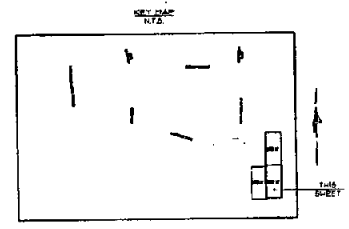
**RFP #10**

NO. DATE ISSUED FOR DESIGNED: MR DRAWN: MR CHECKED: MR APPROVED: MR	APRVD BY	DESIGNED: MR	<b>MATHEWS CONSULTING INC.</b> <small>Civil and Environmental Engineers          1475 CENTREPARK BLVD., SUITE 200, WEST PALM BEACH, FL 33411          TEL: (561) 728-7961 LICENSE NO. E.B.-10079329</small>	VERIFY SCALE  BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	ENGINEER NO.: 1282 CLIENT PROJECT NO.: 05-018 CAD REF.: 1282C-1	PALM BEACH COUNTY WATER UTILITIES DEPARTMENT BRP UTILITY SITE	DATE: JUNE, 2005 SHEET: 18 of 126 DRAWING: L-1	

REFER TO DRAWING NO. L-1 FOR CONTINUATION

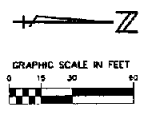


**NOTES:**  
 -CONTRACTOR TO VERIFY LOCATION(S) OF ALL KNOWN OR UNKNOWN EXISTING UTILITIES PRIOR TO CONSTRUCTION.  
 -IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.  
 -CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF POWER LINES.  
 -ALL EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED  
 -ALL TREES TO BE INSTALLED A MINIMUM OF 15' FROM LIGHTPOLES  
 -DEEP ROOT BARRIER OR APPROVED EQUAL TO BE UTILIZED WHEN PROPOSED TREES ARE WITHIN 10' OF EXISTING OR PROPOSED UTILITIES.  
 -REFER TO SHEET L-4 FOR PLANT LIST & NOTES/DETAILS



**LEGEND**

- PLANT ID TAG
  - LANDSCAPE TREES
  - BUFFER TREES
- (REFER TO OPEN SPACE & LANDSCAPE BUFFER PLANS FOR SPECIES. THEY MAY NOT BE APPLICABLE TO EACH SHEET)



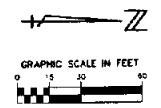
**RFP #10**

NO.	DATE	ISSUED FOR	APPR'D BY	DESIGNED: MR	MICHAEL RAWLS FL. REG. 1633	<b>MATHEWS CONSULTING INC.</b> Civil and Environmental Engineers 1275 CENTRE PARK BLVD., SUITE 250, WEST PALM BEACH, FL 33407 TEL: 561-747-7241 LICENSE NO. E-6-0007928	VERIFY SCALE  BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	ENGINEER NO.: 1282	PALM BEACH COUNTY WATER UTILITIES DEPARTMENT BRP UTILITY SITE	DATE: JUNE, 2005
				DRAWN: MR				CLIENT PROJECT NO.: 05-018		LANDSCAPE PLAN-EAST
				CHECKED: MR				CAD REF.: 1282C-1		DRAWING: L-2
				APPROVED: MR						

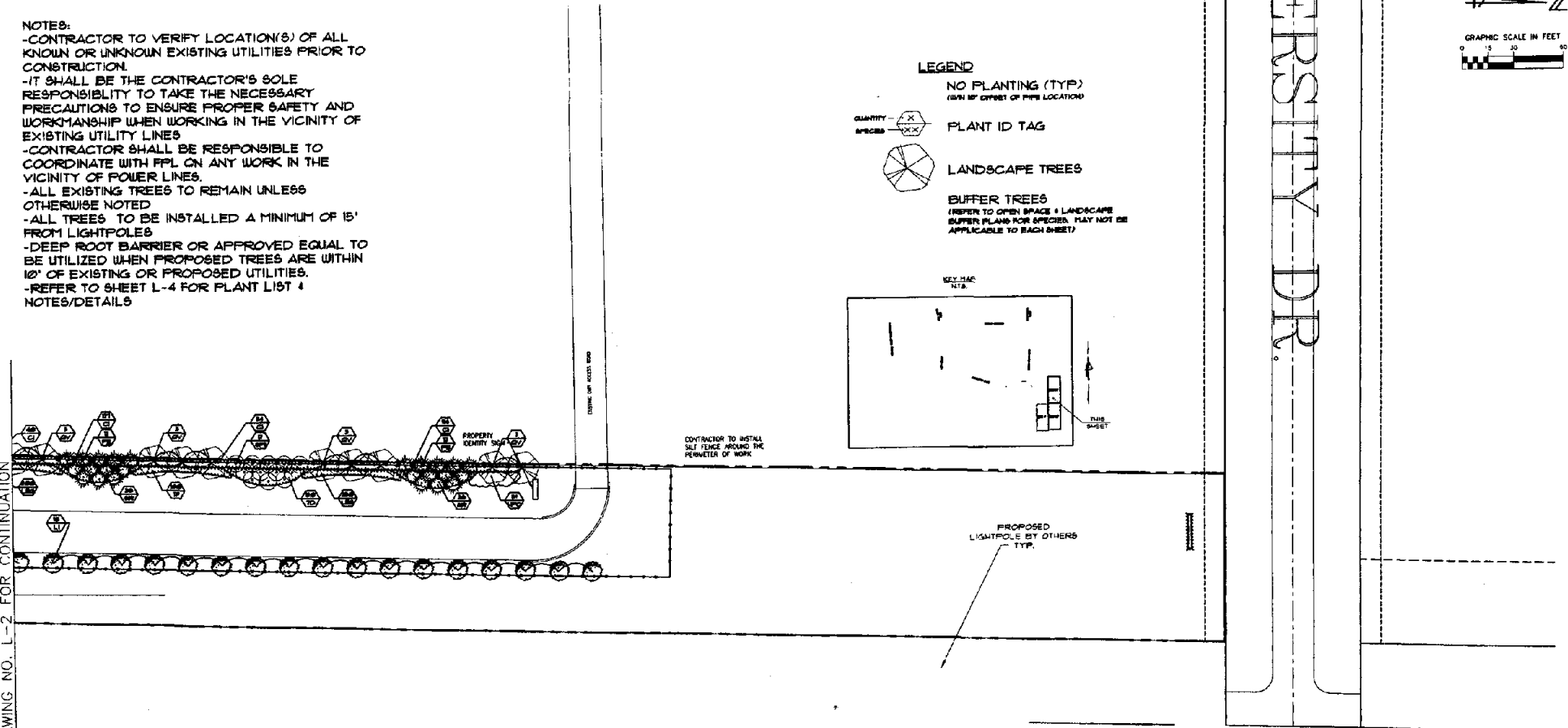
REFER TO DRAWING NO. L-3 FOR CONTINUATION

NOTES:  
 -CONTRACTOR TO VERIFY LOCATION(S) OF ALL KNOWN OR UNKNOWN EXISTING UTILITIES PRIOR TO CONSTRUCTION.  
 -IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.  
 -CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF POWER LINES.  
 -ALL EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED  
 -ALL TREES TO BE INSTALLED A MINIMUM OF 15' FROM LIGHTPOLES  
 -DEEP ROOT BARRIER OR APPROVED EQUAL TO BE UTILIZED WHEN PROPOSED TREES ARE WITHIN 10' OF EXISTING OR PROPOSED UTILITIES.  
 -REFER TO SHEET L-4 FOR PLANT LIST 4 NOTES/DETAILS

LEGEND  
 NO PLANTING (TYP)  
 (B/N) MP OFFSET OF TREE LOCATION  
 QUANTITY: X  
 SPECIES: XXX  
 PLANT ID TAG  
 LANDSCAPE TREES  
 BUFFER TREES  
 (REFER TO OPEN SPACE & LANDSCAPE BUFFER PLANS FOR SPECIES. PLANT NOT BE APPLICABLE TO EACH SHEET)



REFER TO DRAWING NO. L-2 FOR CONTINUATION

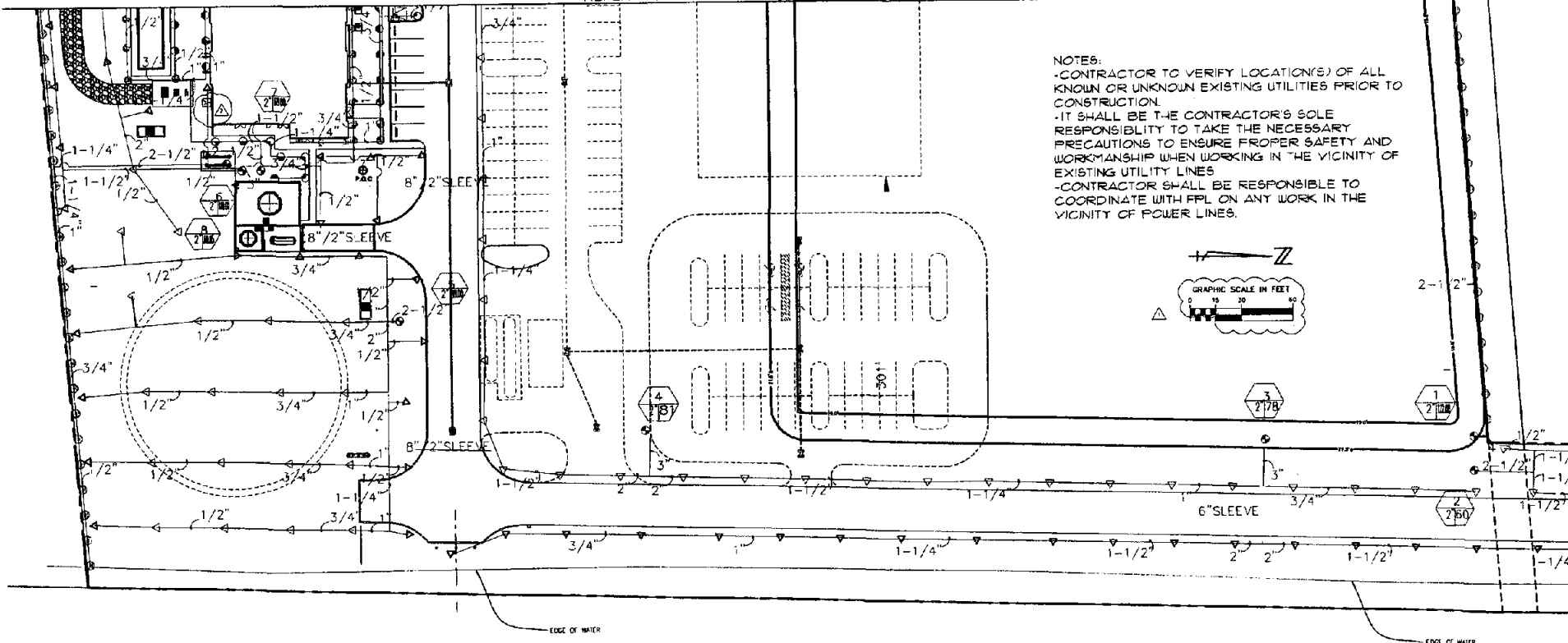


RFP #10

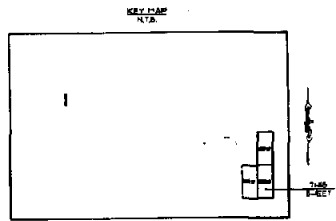
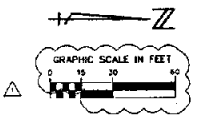
NO.	DATE	ISSUED FOR	APPR'D BY	DESIGNED: MR	MICHAEL RAWLS FL. REG. 1633	<b>MATHEWS CONSULTING INC.</b> Civil and Environmental Engineers 1475 CENTENNIAL BLVD., SUITE 200, WEST PALM BEACH, FL 33411 TEL: (561) 778-7900 LICENSE NO. E.B. -0007929	VERIFY SCALE 1" = 100'	ENGINEER NO.: 1282	PALM BEACH COUNTY WATER UTILITIES DEPARTMENT BRP UTILITY SITE	DATE: JUNE, 2005
				DRAWN: MR				CLIENT PROJECT NO.: 05-018		SHEET: 20 of 126
				CHECKED: MR				CAD REF.: 1282C-1	LANDSCAPE PLAN-ACCESS ROAD	DRAWING: L-3
				APPROVED: MR						



REFER TO DRAWING NO. IRR-1 FOR CONTINUATION



NOTES:  
 -CONTRACTOR TO VERIFY LOCATION(S) OF ALL KNOWN OR UNKNOWN EXISTING UTILITIES PRIOR TO CONSTRUCTION.  
 -IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.  
 -CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF POWER LINES.



REFER TO DRAWING NO. IRR-3 FOR CONTINUATION

RFP #10



NO.	DATE	ISSUED FOR	APPROVED BY	DESIGNED BY	DESIGNER	ENGINEER NO.	CLIENT	PROJECT NO.	CAD REF.	DATE
1				JAS	JAS	1282	PALM BEACH COUNTY WATER UTILITIES DEPARTMENT	05-018	1282C-1	JUNE, 2005
2				JAS	JAS		BRP UTILITY SITE			
3				TMC	TMC		IRRIGATION PLAN - EAST			
4				TMC	TMC					

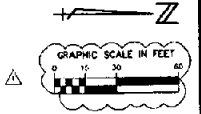
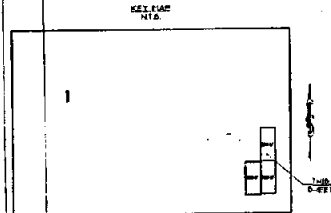
**MATHEWS CONSULTING INC.**  
 Civil and Environmental Engineers  
 1475 CENTRE PARK BLVD., SUITE 250, WEST PALM BEACH, FL 33409  
 TEL: (561) 478-7981 LICENSE NO. E.B. - 6007929

VERIFY SCALE  
  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

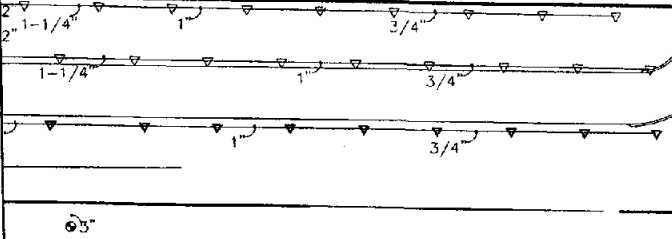
ENGINEER NO.: 1282  
 CLIENT: PALM BEACH COUNTY WATER UTILITIES DEPARTMENT  
 PROJECT NO.: 05-018  
 CAD REF.: 1282C-1

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT  
 BRP UTILITY SITE  
 IRRIGATION PLAN - EAST  
 DATE: JUNE, 2005  
 SHEET: 24 of 126  
 DRAWING: IRR-2

NOTES:  
 -CONTRACTOR TO VERIFY LOCATION(S) OF ALL KNOWN OR UNKNOWN EXISTING UTILITIES PRIOR TO CONSTRUCTION.  
 -IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.  
 -CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF POWER LINES.



REFER TO DRAWING NO. IRR-2 FOR CONTINUATION



UNIVERSITY DR.

RFP #10



NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED: JAS	 <b>MATHews CONSULTING INC.</b> Civil and Environmental Engineers 1475 OCEANVIEW BLVD., SUITE 250, WEST PALM BEACH, FL 33401 TEL: (561) 778-7001 LICENSE NO. E.B.-0007929	VERIFY SCALE	ENGINEER NO.: 1282	PALM BEACH COUNTY WATER UTILITIES DEPARTMENT BRP UTILITY SITE	DATE: JUNE, 2005
				DRAWN: JAS		 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	CLIENT PROJECT NO.: 05-018		SHEET: 25 of 126
				CHECKED: TMC	THOMAS M. CARUSO FL. REG. 832			IRRIGATION PLAN - ACCESS ROAD	DRAWING: IRR-3
				APPROVED: TMC					

**IRRIGATION NOTES & SPECIFICATIONS**

Irrigation design based on the Mathews Consulting Landscape Plan dated JUNE 2005.  
Contractor shall refer to these plans to coordinate sprinkler and pipe locations.

The system has been designed to conform with the requirements of all applicable codes and Florida Plumbing Code Appendix "F". Should any conflict exist, the requirements of the codes shall prevail. It is the responsibility of the owner/installation contractor to ensure the entire system complies with all applicable codes and ordinances. The contractor shall obtain all necessary permits according to federal, state and local laws.

All Irrigation System Components must comply with applicable codes. Properly identify all pipe valves, manifold heads, valve boxes, controllers, and irrigation areas. The construction of the irrigation shall comply to the criteria outlined in Chapter 62-810 of the Florida Administrative Code.

**THE WORK**

The work specified in the section consists of furnishing all components and labor for the installation of the irrigation system, including, but not limited to, functional automatic landscape irrigation system that complies with applicable laws, regulations, codes and ordinances. The work shall include, but not be limited to, the providing of all required material and labor for the installation of the irrigation system, including, but not limited to, the providing of all required material and labor for the installation of the irrigation system, including, but not limited to, the providing of all required material and labor for the installation of the irrigation system.

The system is designed to provide 100% head to head coverage. Adjust sprinkler heads to minimize over spray onto roadways, sidewalks, walls, driveways, parking lots, etc.

Contractor shall verify all underground utilities 72 hours prior to commencement of work.

It is the responsibility of the contractor to familiarize himself with all applicable codes and ordinances, including, but not limited to, the Florida Administrative Code, Florida Plumbing Code Appendix "F", and all other applicable codes and ordinances. The contractor shall be responsible for obtaining all necessary permits according to federal, state and local laws.

Contractor shall repair or replace all items damaged by the work. Contractor shall coordinate the work with other contractors for the installation and installation of pipe sleeves and laterals through walls, under roadways and paving, etc.

The Contractor shall take immediate steps to repair, replace, or restore all services to any utilities which are disrupted due to the operations. All costs involved in disruption of service and repairs due to negligence on the part of the contractor shall be the contractor's responsibility.

**POINT OF CONNECTION (P.O.C.)**

The P.O.C. is a POTABLE CONNECTION BY OWNER capable of producing at least 130 GPM @ 175 TCR.

Contractor to verify these minimum conditions can be met prior to the beginning of installation. If the conditions can not be met, the contractor shall notify the owner immediately. If the Contractor does not do so, Contractor proceeds at the own risk and becomes responsible for any future work required to make the system perform as required.

**THE PIPE**

Pipe locations shown on the plan are schematic and shall be adjusted in the field. When laying out mains and laterals locate pipe near edges of planting beds. Plans are to always be placed in planting beds. If it is necessary to have piping under hardscapes, such as roads, walks, and patios, the pipe must be sleeved using Sch 40 PVC with the sleeve diameter being twice the size of the pipe it is carrying.

Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes JUNE approved. All damaged or rejected pipe shall be removed from the site at the time of said rejection.

Mainline shall be 4" Schedule 40 PVC with Ductile Iron fittings.

Lateral lines shall be Schedule 40 PVC with Schedule 40 PVC solvent weld fittings.

PVC pipe, sol, compounds and primer, slow-drying, heavy duty cement and lited (orange) primer that is compatible with the cement. The PVC cement shall be Weld-On 2711 grey and the primer shall be Weld-On 270 purple primer, or approved equals.

**THRUST BLOCKS**

Thrust blocks shall be of poured concrete with a minimum dimension of no less than 12" and a minimum thickness of no less than 4". Four thrust blocks from fitting into concrete is resting against a poured concrete.

**ELECTRICAL POWER SUPPLY**

Electrical supply for pumps and controllers to be provided by others. All electrical to comply with the National Electrical Code and any, and all, other applicable electrical codes, laws and regulations.

**VALVES**

Sequence all valves so that the farthest valve from the P.O.C. operates first and the closest to the P.O.C. operates last. The closest valve to the P.O.C. should be the last valve in the programmed sequence.

Valve boxes must be placed a minimum of 12" and a maximum of 15" from the edge of pavement, curbs, etc. and the top of the box must be 2" above finish grade. No valve boxes shall be installed in turf areas without approval by the irrigation designer - only if shrub beds never install in sport field areas.

**WIRING**

Irrigation control wire shall be thermoplastic solid copper, single conductor, low voltage irrigation controller wire; suitable for direct burial and continuous operation at rated voltages.

Supply 6 (six) Solid hot (red) wires and 2 (two) spare Common Wires to all Fabric-Stop-outs.

Tap and bundle control wires every 10' and run alongside the mainline. At all turns in direction make a 2" cap of wire. At all valve boxes coil wire around a 3/4" piece of PVC pipe to make a loop using 30 linear inches of wire. Make electrical connections with 3M-BB-Connectors.

Number of wires, using an electrical book of numbers, according to the plans. Number wires in all valve boxes, junction boxes and at the controller.

**Wire sized, numbered and colored as follows:**

- #10 white for common
- #12 spare black common (1 per 10 hot wires - minimum of 1 spare)
- #12 red for hot wires
- #12 spare yellow hot wire (provide 1 spare for every 10 hot wires - minimum of 2 spares)

Controller grounding - drive three (3) 5/8" x 8" copper clad grounding rods into the ground. The rods should be spaced a minimum of 6' apart. With a 16' separation between rods, the top of each rod should be at least 6" below finished grade. Tie the rods together using #8 gauge bare copper wire. Attach wire to grounding rods using a brass clamp (one clamp per wire). Connect the grounding triangle to the controller using #8 gauge bare copper wire. Connect at grounding terminal. Each grounding rod shall be placed in a 12" rectangular valve box.

**EQUIPMENT**

Shrub heads shall be installed on 1/2" Sch 40 PVC risers for spray heads and 3/4" risers for rotors. All heads on risers shall be installed on risers. All heads on risers shall be installed on risers. All heads on risers shall be installed on risers. All heads on risers shall be installed on risers.

All pop-up heads and shrub risers shall be pressure compensating. All pop-up heads shall be mounted on riser-type swing joints.

All sprinkler equipment not otherwise detailed or specified shall be installed in accordance with the manufacturer's recommendations and specifications, and according to local and state law.

**LAYOUT**

Lay out irrigation system mainlines and lateral lines. Move the necessary adjustments as required to take into account all site obstructions and limitations prior to excavating trenches.

Stake all sprinkler head locations. Adjust location and make the necessary modifications to nozzle types, etc. required to insure 100% head to head coverage.

Locate valves prior to excavation. Insure that their location provides for easy access and that there is no interference with physical structures, plants, trees, posts, etc.

**"REWORKING"**

Excavate straight and vertical trenches with smooth, flat or sloping bottoms. Trench width and depth should be sufficient to allow for the pipe installation as shown on the detail sheet.

Protect existing landscaped areas. Remove and replace any damaged plants and shrubs prior to excavation. Replace any damaged plants and shrubs prior to excavation. Replace any damaged plants and shrubs prior to excavation.

**INSTALLATION**

Cut all pipe square and deburr. Clean pipe and fittings of foreign material, then apply a small amount of primer while ensuring that dry pipe or fittings. Next apply a thin coat of PVC cement. First apply a thin layer to the pipe, next a thin layer inside the fitting, and finally another very thin layer on the pipe. Insert the pipe into the fitting. The pipe is 1/4" and hold for 10 seconds. Backfill with the pipe down to the fitting. The glue joint is unacceptable and must be discarded.

Pipes must cure a minimum of 30 minutes prior to handling and placing into trenches. A longer curing time JUNE required; refer to the manufacturer's specifications. The pipe must cure a minimum of 24 hours prior to filling with water.

**BACK FILL**

Back fill shall be installed to the following minimum back fill depths to top of pipe or maintained 24" for all seeping, 24" for the main line and 18" for all laterals.

Back fill shall be of suitable material free of rocks, stones, or other debris that is larger than 1/2" in diameter.

**FLUSHING**

Prior to the placement of heads, flush all lines for a minimum of 10 minutes or until lines are completely clean of debris, whichever is longer.

Use screens in heads and adjust heads for proper coverage avoiding excess water on walls, walks and paving.

**TESTING**

Remove all remote control valves and cap using a threaded cap. Fill machine with water and pressure the system to 125 PSI. Pressure used to test machine shall meet or exceed Pump Performance. The pressure shall be maintained for a minimum of two hours. With the gauge locations must be at opposite ends of the machine. With the same respective pressures, monitor the gauges for two hours. There can be no loss in pressure of either gauge for solvent-welded pipe. A pressure loss of either gauge for solvent-welded pipe shall be cause for rejection. Locate the problem, repair it, and retest. The procedure must be followed until the machine passes the test.

The lateral lines must be filled and slowly checked for leaks. Any leaks detected must be repaired. No pressure test of the lateral lines is required.

**RFP #10**



**MATH EW'S CONSULTING INC.**  
1975 CENTINELA BLVD, SUITE 200, WEST PALM BEACH, FL 33411  
TEL: (561) 976-7961

THOMAS M. CARUSO  
FL REG 832

DESIGNED BY	JAS
DRAWN	JAS
CHECKED	TMC
APPROVED	TMC

VERIFY SCALE  
1" = 10'  
CHECK FOR DIMENSIONS AND ADJUST SCALES AS NECESSARY.

ENGINEER NO. 12882  
CLIENT  
PROJECT NO. 05-018  
CAD REF.: 12882-1

PALM BEACH COUNTY  
WATER UTILITIES DEPARTMENT  
BRP UTILITY SITE

DATE: JUNE, 2005  
SHEET: 27 of 126  
DRAWING: IRR-1

Once the machine and lateral lines have passed their respective tests, and the system is completely operational, a coverage test and demonstration of the system is required. The irrigation contractor must demonstrate to the owner, or owner's representative that proper coverage is obtained and that the system works automatically from the controller. The contractor shall provide the owner with a copy of the proper sequence as shown on the plans. From the controller, each zone will be inspected for proper coverage and function. The determination of proper coverage and function is at the sole discretion of the owner or owner's representative.

**SUBMITTALS**

The Contractor must submit, for approval, prior to installation, copies of the manufacturer's cut sheets/specifications for all components to be used in the irrigation system.

After project completion, and as a condition of final acceptance, the irrigation contractor shall provide the owner with a high quality, color photograph of the installed system. The photograph shall identify all remote control valves, solenoid valves, ball valves, solenoid controllers, mainline, sleeve, and low voltage wiring. To locate each item two dimensions from fixed objects of a permanent nature must be shown and noted on the cut-sheet. The irrigation contractor must submit a copy of the manufacturer's maintenance manual for the approval and maintenance manuals for all components of the irrigation system.

Colorful charts - Upon completion of "as-built" prepare controller charts, remote control valve charts, and solenoid valve charts. Each chart shall be reduced to a size that will fit inside of the controller door. The reduction shall be "metrically scaled" inside two 2mi pieces of clear plastic.

**FINAL ACCEPTANCE**

Prior acceptance of the irrigation system will be given after the contractor has provided the owner with the final acceptance. Final payment will not be released until these conditions are satisfied:

- Final walk-thru and correction of all punch list items
- Completion and acceptance of "as-built" drawings
- Furnishing of required controller charts and placement inside of controller door
- Turn over of all required parts and tools as outlined in the project specifications

**WARRANTY:** The irrigation systems shall be guaranteed for a minimum of one calendar year from the time of final acceptance.

Contributor	Quantity	Description	Manufacturer
1	1	IRRIGATION CONTROLLER	RAINBOW
2	1	IRRIGATION CONTROLLER	RAINBOW
3	1	IRRIGATION CONTROLLER	RAINBOW
4	1	IRRIGATION CONTROLLER	RAINBOW
5	1	IRRIGATION CONTROLLER	RAINBOW
6	1	IRRIGATION CONTROLLER	RAINBOW
7	1	IRRIGATION CONTROLLER	RAINBOW
8	1	IRRIGATION CONTROLLER	RAINBOW
9	1	IRRIGATION CONTROLLER	RAINBOW
10	1	IRRIGATION CONTROLLER	RAINBOW
11	1	IRRIGATION CONTROLLER	RAINBOW
12	1	IRRIGATION CONTROLLER	RAINBOW
13	1	IRRIGATION CONTROLLER	RAINBOW

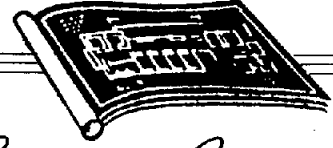
Item	Quantity	Description	Manufacturer
1	1	IRRIGATION CONTROLLER	RAINBOW
2	1	IRRIGATION CONTROLLER	RAINBOW
3	1	IRRIGATION CONTROLLER	RAINBOW
4	1	IRRIGATION CONTROLLER	RAINBOW
5	1	IRRIGATION CONTROLLER	RAINBOW
6	1	IRRIGATION CONTROLLER	RAINBOW
7	1	IRRIGATION CONTROLLER	RAINBOW
8	1	IRRIGATION CONTROLLER	RAINBOW
9	1	IRRIGATION CONTROLLER	RAINBOW
10	1	IRRIGATION CONTROLLER	RAINBOW
11	1	IRRIGATION CONTROLLER	RAINBOW
12	1	IRRIGATION CONTROLLER	RAINBOW
13	1	IRRIGATION CONTROLLER	RAINBOW



- ◆ Sheet Irr-3::
  - Revised landscape to reflect new road alignment.
  - Changed head layout along roadway
  - Eliminated additional heads along roadway.
  
- ◆ Sheet IRN-1:
  - Revised material list quantity to reflect changes on drawings.

Please note: There are no required changes to the site entry sign.

c: Joe Tancredi, PBCWUD  
Bruce Wundrack, MC  
Mike Rawls, PBCWUD  
File



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction

February 28, 2007

**Via Fax and U. S. Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Proposal 24A - Revised Landscaping & Irrigation**

Dear Ms. Mathews:

*RFP 10*

We have revised our landscaping and irrigation proposal per your e-mail dated January 25, 2007. We are excluding sodding from this proposal, as the quantities are constantly changing, and we believe the Owner will receive better pricing on the sod when final quantities can be established. We are pleased to provide you with the following **revised** proposal:

1 Lot Landscaping and Irrigation Revisions..... Lump Sum..... (\$52,636.93)

Please review the attached breakdown. We request that you write a Contract Change Order for the decreased amount of \$52,636.93 with thirty (30) days of additional contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please do not hesitate to call.

Very truly yours,

WIDELL, INC.

*Hal H. Myrah*  
Hal H. Myrah  
Project Manager

Attachments

cc: File w/attachments  
Field  
Chrono  
Acctg: SRP

*C.O.G., Tom H*

REH/jlg Proposal 680 24A

SAFETY PAYS

AN EQUAL OPPORTUNITY EMPLOYER

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Sunnyland Irrigation Quote	1	LS			2	(\$2,754.00)		
Design Landscaping Revised Pricing	1	LS			2	(\$49,882.39)		
Subtotal				\$0.00		(\$52,636.39)		0.00
Mat. taxes & labor burden			6%	0.00			50%	\$0.00
Material				0.00		-52636.39		\$0.00
Subcont., Equip. Rental or Other				-52,636.39				
Labor				0.00				
Subtotal				-52,636.39				
Overhead on subcontract			5%	0.00				
Overhead on Labor & Material			15%	0.00				
<b>TOTAL</b>						<b>(\$52,636.39)</b>		
<b>Page Totals</b>								

SUNNYLAND IRRIGATION  
3114 45<sup>TH</sup> STREET, SUITE 7  
WEST PALM BEACH, FL 33407  
(561) 686-2400  
(561) 697-8927 Fax  
[www.sunnylandirrigation.com](http://www.sunnylandirrigation.com)

RECEIVED  
DEC 13 2006

**REVISED DATE:** December 13, 2006  
**JOB NAME:** PBC WATER UTILITIES DEPT.  
BRP UTILITY SITE  
**CONTRACT PRICE:** \$48,470.00  
**DEDUCT:** -\$ 2,754.00  
(Revised for Rd. Alignment)  
**NEW IRRIGATION PRICE:** \$45,716.00  
**IRRIGATION PLAN:** Irrigation Plan by Miller Legg, Dated 06-05  
Sheets IRR-1 – IRR-3, IRN-1 & IRD-1  
Revised plan (no date on plan) Recv'd. 12-06  
**WATER SOURCE:** 3" City Water Meter

**MATERIALS INCLUDED IN THIS PROPOSAL:**

RainBird 12" SAM Mist Heads	Hunter I-20 Rotors
Irritrol 100 Series Control Valves	Carson Valve Boxes
Schedule 40 Main Line	Ductile Iron Fittings
Schedule 40 Sleeving	Schedule 40 Lateral Lines
Control Wire	Backflow Preventer
Controller Grounding Plate	Data Industrial Flow Meter (for Controller)

**NOTE 1:** Backflow preventer furnished by Sunnyland Irrigation – to be installed by Owner's licensed plumber.

**NOTE 2:** Potable P.O.C. and Controller to be provided by Owner.

**Exclusions:**

- Bonding Monies
- Cutting / patching of asphalt or concrete
- Boring of roadways
- Electrical equipment & power to pump / clock
- Wiring of pump / clock
- Water use permit
- Installation of Backflow Preventer

This Proposal Accepted by:

-----  
(Name)

-----  
(Date)

-----  
(Company Name)

This proposal is valid for 60 days.

**SUNNYLAND IRRIGATION**  
3114 45<sup>TH</sup> STREET, SUITE 7  
WEST PALM BEACH, FL 33407  
(561) 686-2400  
(561) 697-8927 Fax  
[www.sunnylandirrigation.com](http://www.sunnylandirrigation.com)

DATE: March 31, 2006  
JOB NAME: **PBC WATER UTILITIES DEPT.  
BRP UTILITY SITE**  
IRRIGATION PRICE: \$48,470.00  
IRRIGATION PLAN: Miller Legg - Irrigation Plan  
Sheets IRR-1 – IRR-3, IRN-1 & IRD-1 dated  
June, 2005, and Addendum #2 dated 7/27-05  
WATER SOURCE: 3" City Water Meter

**MATERIALS INCLUDED IN THIS PROPOSAL:**

RainBird 12" SAM Mist Heads	Hunter I-20 Rotors
Irritrol 100 Series Control Valves	Carson Valve Boxes
Schedule 40 Main Line	Ductile Iron Fittings
Schedule 40 Sleeving	Schedule 40 Lateral Lines
Control Wire	Backflow Preventer
Controller Grounding Plate	Data Industrial Flow Meter (for Controller)

**NOTE 1: Backflow preventer furnished by Sunnyland Irrigation – to be installed by Owner's licensed plumber.**

**NOTE 2: Potable P.O.C. and Controller to be provided by Owner.**

**Exclusions:**

- Bonding Monies
- Cutting / patching of asphalt or concrete
- Boring of roadways
- Electrical equipment & power to pump / clock
- Wiring of pump / clock
- Water use permit
- Installation of Backflow Preventer

This Proposal Accepted by:

-----  
(Name)

-----  
(Date)

-----  
(Company Name)

QUINN DESIGN INC.  
 DBA DESIGN LANDSCAPING AND  
 NURSERY  
 P.O. BOX 210083  
 ROYAL PALM BEACH, FL 33421

# Estimate

Date	Estimate #
2/23/2007	947

Phone #	Fax #
561-791-8995	561-791-9954

WIDELL INC.  
 5365 STERLING RD  
 FT. LAUDERDALE, FL 33314  
 ATT: HAL MYRAH

Project
PB COUNTY WAT...

Qty	Description	Unit Cost	Total
	PB COUNTY WATER UTILITIES DEPARTMENT BRP UTILITY SITE WUD 05-018 REVISED ORIGINAL		
	TREES AND PALMS		
4	PITCH APPLE - 12 FT OA B & B	552.00	2,208.00
106	CREPE MYRTLE MUSKOGEE - 15 FT B & B	299.00	31,694.00
77	SLASH PINE - 12 - 16 FT B & B STAGGERED	253.00	19,481.00
99	LIVE OAK - 16 FT B & B	295.00	29,205.00
22	LIVE OAK - 12 FT OA B & B	249.00	5,478.00
56	SABAL PALM 12-14 FT CT. BOOTED 16-20 FT SLICK INTERMIXED	165.00	9,240.00
78	SABAL PALMS 18 FT CURVES B AND B	253.00	19,734.00
	SHRUBS, VINES, AND GROUNDCOVER		
114	BEAUTYBERRY 24" X 24"	8.75	997.50
424	COCOPLUM 24" X 24"	8.50	3,604.00
188	COCOPLUM 36" X 36"	39.00	7,332.00
587	GREEN BUTTONWOOD 60" X 48"	98.50	57,819.50
264	GOLDEN DEW DROP 24" X 24"	7.75	2,046.00
382	SIMPSON STOPPER 24" X 24"	9.50	3,629.00
504	DWARF FIRE BUSH 24" X 24"	10.50	5,292.00
132	ILEX - STOKES DWARF 14" X 18"	9.00	1,188.00
147	SAW PALMETTO 14" X 16"	149.00	21,903.00
163	DWARF FAKAHATCHEE GRASS 24" X 24"	0.00	0.00
1	SQ FT ST. AUGUSTINE SOD*	0.29	0.29
1	SQ FT BAHIA SOD *	0.22	0.22
1,890	MULCH	3.25	6,142.50
	* SOD QUANTITIES TO BE DETERMINED		

<b>Total</b>	<b>\$226,994.01</b>
--------------	---------------------

QUINN DESIGN INC.  
 DBA DESIGN LANDSCAPING AND  
 NURSERY  
 P.O. BOX 210083  
 ROYAL PALM BEACH, FL 33421

# Estimate

Date	Estimate #
2/22/2007	1464

Phone #	Fax #
561-791-8995	561-791-9954

WIDELL INC  
 5365 STERLING RD  
 FT. LAUDERDALE, FL 33414  
 ATTN: HAL MYRAH

			Project
			PB COUNTY WAT...
Qty	Description	Unit Cost	Total
	PALM BEACH COUNTY WATER UTILITIES DEPARTMENT BP SITE NEW PLAN FROM HAL GIVEN TO JOE 2/22/07 MR6/05		
	TREES AND PALMS		
1	EEL LIKE STEVENS - 12 FT OA 3 IN CARL B AND B	595.00	595.00
78	CREPE MYRTLE (MUSKEG) 12 FT OA MULTI - B AND B	258.00	20,124.00
4	MAGNOLIA (LITTLE GEM) 12 FT 3.5 IN CARL B AND B	735.00	2,940.00
13	SLASH PINES (DENSA) - 10 FT 3 IN CARL B AND B	237.00	3,081.00
13	SLASH PINES (DENSA) - 12 FT 3 IN CARL B AND B	277.00	3,601.00
13	SLASH PINES (DENSA) - 14 FT 3 IN CARL B AND B	683.00	8,879.00
13	SLASH PINES (DENSA) - 16 FT 3 IN CARL B AND B	683.00	8,879.00
109	LIVE OAK - 14 FT OA 3 IN CARL B AND B	431.00	46,979.00
6	ROYAL PALMS 6 FT GW B AND B	1,257.00	7,542.00
7	SABAL PALMS BOOTED 14 FT CT B AND B	175.00	1,225.00
7	SABAL PALMS BOOTED 16 FT CT B AND B	175.00	1,225.00
6	SABAL PALMS BOOTED 18 FT CT B AND B	213.00	1,278.00
5	SABAL PALMS SLICK - 20 FT CT B AND B	185.00	925.00
5	SABAL PALMS SLICK - 22 FT CT B AND B	227.00	1,135.00
5	SABAL PALMS SLICK - 24 FT CT B AND B	227.00	1,135.00
11	SABAL PALMS SLICK - CURVED - 12 FT CT B AND B	255.00	2,805.00
11	SABAL PALMS SLICK - CURVED - 14 FT CT B AND B	255.00	2,805.00
10	SABAL PALMS SLICK - CURVED - 16 FT CT B AND B	255.00	2,550.00
	SHRUBS, VINES AND GROUND COVER		
1,030	GREEN BUTTONWOOD - 30 IN X 24 IN - 3 GAL	9.75	10,042.50
383	COCOPLUM (REDTIP) - 24 IN X 18 IN	9.00	5,247.00
150	BLUEBERRY FLAX LILY 12IN X 12IN	11.25	1,687.50
121	DWARF FIRE BUSH 24IN X 18IN	10.50	1,270.50
35	DWARF HUFORD HOLLY 30 IN X 24 IN 7 GAL MIN	44.75	1,566.25
125	STOKES DWARF 12 X 12	11.25	1,406.25
710	EMERALD GODDESS 12 X 12 1 GAL MIN	6.75	4,792.50
<b>Total</b>			

QUINN DESIGN INC.  
 DBA DESIGN LANDSCAPING AND  
 NURSERY  
 P.O. BOX 210083  
 ROYAL PALM BEACH, FL 33421

# Estimate

Date	Estimate #
2/22/2007	1464

Phone #	Fax #
561-791-8995	561-791-9954

WIDELL INC  
 5365 STERLING RD  
 FT. LAUDERDALE, FL 33414  
 ATTN: HAL MYRAH

Project
PB COUNTY WAT...

Qty	Description	Unit Cost	Total
72	SAW PALMETTO 36 X 36 WIRE BASKET	219.00	15,768.00
120	FAKAHATCHEE 30 X 18	9.25	1,110.00
100	DWARF FAKAHATCHEE 24 X 18	9.25	925.00
1	SOD (ST. AUGUSTINE) *	0.35	0.35
1	SOD (BAHIA) *	0.27	0.27
1,825	FLORA MULCH	3.75	6,843.75
10	TOP SOIL	56.00	560.00
8	FERTILIZER (PLANTS AND SHRUBS)	29.50	236.00
1	FERTILIZER (SOD 16-4-8) *	26.75	26.75
2	MONTHS WATERING PROGRAM	2,400.00	4,800.00
1	TREE BARRICADES	146.00	146.00
400	ROOT BARRIER 19 1/2 X 100 FT	7.45	2,980.00
	* SOD QUANTITIES TO BE DETERMINED.		

<b>Total</b>	<b>\$177,111.62</b>
--------------	---------------------



13

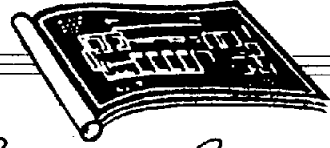
**TO:** Hal Myrah  
**FROM:** Bruce M. Wundrack, P.E.  
**DATE:** February 7, 2007  
**SUBJECT:** Request for Proposal #12  
Pond Drainage

---

Please provide a detailed quote to provide all labor, material and equipment to construct the outlet structure for the Stormwater retention pond, as shown on the attached drawings.

c: Joe Tancredi, PBCWUD  
Bruce Wundrack, MC  
File

*C.O. 6, Item 5*



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction

February 28, 2007

**Via Fax and U. S. Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**WI Proposal No. 27**

Dear Ms. Mathews:

We are in receipt of your RFP 12 dated February 7, 2007 to construct the pond drainage. We are pleased to provide you with the following proposal:

1 Lot Construct Pond Drainage ..... Lump Sum ..... \$12,097.45

Please review the attached breakdown. We request that you write a Contract Change Order for the increased amount of \$12,097.45 with seven (7) additional days of contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please do not hesitate to call.

Very truly yours,

WIDELL, INC.

*Hal H. Myrah*  
Hal H. Myrah  
Project Manager

cc: File w/attachments  
Field  
Chrono  
Acctg: SRP

REH/jlg:Proposal680 27


*C.O. 6, Item 5*

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR		
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT	
Precast Stucture w/ Grate & Frame	1	EA	900	\$900.00					
10" HDPE Pipe w/ Connectors	100	LF	7	\$700.00					
Turbidity Barrier	1	EA	600	\$600.00					
Flowable Fill	4	YDS	100	\$400.00					
Rip Rap	200	Bags	6	\$1,200.00					
Track Hoe w/ Fuel	2	Days	800	\$1,600.00					
Delivery & Pick-up	2	EA	100	\$200.00					
3" Trash Pump w/ Hose & Fuel	3	Days	200	\$600.00					
Labor	96	Hrs					26	2,496.00	
Small Tools (\$2/MH)	96	EA	2	\$192.00					
Subtotal				\$6,392.00		\$0.00		2,496.00	
Mat. taxes & labor burden			6%	383.52			50%	\$1,248.00	
Material				6,775.52		0		\$3,744.00	
Subcont., Equip. Rental or Other				0.00					
Labor				3,744.00					
Subtotal				10,519.52					
Overhead on subcontract			5%	0.00					
Overhead on Labor & Material			15%	1,577.93					
<b>TOTAL</b>				<b>\$12,097.45</b>					
Page Totals									

	DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR	
				U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
1	<u>Impoundment Area</u>								
	Excavation & Dump & Spread On-site	22,685	CY	4.25	\$96,411.00				
	Build Berm	300	CY	20.00	\$6,000.00				
	Survey Crew	16	HRS				\$1,440.00		
	Rock Pockets	8	EA		\$4,000.00				
	Sod to protect banks (Bahia)	35,700	SF					\$7,854.00	
2	<u>Additional Silt Fence</u>	700	LF				\$1,400.00		
3	<u>Stormwater Structure S-d Revision</u>	1	EA		\$0.00				
4	<u>Delete 42" RCP Outfall Pipe</u>	88	LF	(48)	(4,224.00)				
	Delete BCCSHFP	20	LF	(12)	(240.00)				
	Thrust Block	1	CY		(100.00)				
	Track Hoe	16	HRS		(1,280.00)				
	Labor	24	HRS					(96)	(2,304.00)
	Delete Turbidity Curtain	1	EA		(400.00)				
	Labor	4	HRS					(24)	(96.00)
5	<u>New Access Road</u>								
	Install access road from the existing east - west entrance road to the trailers (+ or - 900' x 40')								
	1'-6" Fill brought in from on-site	2,000	CY	3.25	\$6,500.00				
	DOT Baserock	900	TONS	26	\$23,400.00				
	Layout & spot Trucks	24	HRS					24	576.00
6	<u>Perimeter Fence</u>								
	6' Vinyl Coated Chain Link Fence	(300)	LF				(\$9,261.00)		
	Fiber Optic Cable (Material)	(300)	LF				(\$12,000.00)		
	Fiber Optic Cable (Install)	(300)	LF				(\$2,070.00)		
	Subtotal				\$130,067.00		(\$12,637.00)		-1,824.00
	Mat. taxes & labor burden			6%	7,804.02			46%	-\$839.04
	Material & Equipment				\$137,871.02		(\$12,637.00)		-\$2,663.04
	Subcontract				12,637.00				
	Labor				2,663.04				
	Overhead on Subcontract			5%	-631.85				
	Overhead on Labor & Material			15%	20,281.20				
	Subtotal				142,220.33				
	Bond			1%	1,422.20				
	<b>TOTAL</b>				<b>\$143,642.53</b>				
Page Totals									

$(4000 \times 1.06 \times 1.15 \times 1.01 = 4,925)$   
minus this from  
\$12,097.45

3

**TO:** Hal Myrah  
**FROM:** Bruce M. Wundrack, P.E.   
**DATE:** February 16, 2007  
**SUBJECT:** Request for Proposal #13  
Parapet Roofing Membrane

1. Please provide a detailed quote to furnish labor, material and equipment to install roofing membrane on the parapet interior face, in lieu of the stucco originally detailed. See details accompanying the fax from A-1 Duran Roofing, Inc. dated January 31, 2007.

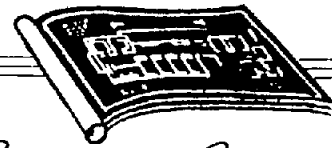
This RFP is issued for administrative purposes only. Your revised proposal dated February 12, 2007, to perform the described scope of work for a Contract increase of \$5,145.00 and three (3) calendar days has been accepted.

c: Joe Tancredi, PBCWUD  
Rene Mathews, PE, MC  
Rob Martone, ACAI  
File  
BMW

*C.O.G. Item 6*

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

February 12, 2007

**Via Fax and U. S. Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Proposal 25- Roofing Modifications**

Dear Ms. Mathews:

In response to the pre-roofing conference, we are pleased to provide our proposal for deleting the stucco on the interior of the Pump Station Parapet Wall and replacing it with single-ply roofing membrane in accordance with the attached sketch from A-1 Duran Roofing, Inc.

1 Lot      Roofing Modifications..... Lump Sum..... \$5,145.00

Please review the attached breakdown. We request that you write a Contract Change Order for the increased amount of \$5,145.00 with three (3) additional days of contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please do not hesitate to call.

Very truly yours,

WIDELL, INC.

Hal H. Myrah  
Project Manager

Attachments

cc:      File w/attachments  
          Field  
          Chrono  
          Acctg: SRP

REH/jlg:Proposal680 25

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR		
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT	
Wendell Hall, Inc.	1	LS			2	(\$2,000.00)			
A-1 Duran Roofing	1	LS			2	\$6,900.00			
Subtotal				\$0.00		\$4,900.00		0.00	
Mat. taxes & labor burden			6%	0.00			50%	\$0.00	
Material				0.00		4900		\$0.00	
Subcont., Equip. Rental or Other				4,900.00					
Labor				0.00					
Subtotal				4,900.00					
Overhead on subcontract			5%	245.00					
Overhead on Labor & Material			15%	0.00					
<b>TOTAL</b>				<b>\$5,145.00</b>					
Page Totals									

RECEIVED

001/003

CARDINAL CONTRACTORS, INC.  
FT. LAUDERDALE OFFICE

JAN 31 2007



**FAX COVER SHEET**

DATE: 1-31-07  
 ATTN: HAL MYRAH  
 WIRELL, INC.  
 FAX #: (954) 587-6653  
 RE: P.B.C. BRP UTILITY SITE

AS PER OUR PRE ROOFING  
 CONFERENCE AT THE ABOVE REFERENCED  
 PROJECT, IF INTERIOR SIDE OF  
 PARAPET WALL IS FLASH WITH THE SINGLE  
 PLY ROOFING MEMBRANE TO TOP OF  
 PARAPET COPING CAP (SEE ATTACHED  
 SKETCH). THE LUMP SUM OF THIS  
 ADDITIONAL WORK IS \$6,900.<sup>00</sup>  
 ANY QUESTIONS PLEASE CALL ME.

SENDER: GUILLERMO VIDAURRETA

THIS FAX CONSISTS OF 3 PAGES, INCLUDING THIS COVER SHEET



JAN 31 2007

**A-1 DURAN ROOFING**  
**PROFESSIONAL SERVICES**  
 8095 N.W. 64th Street, Miami, Florida 33166  
 TEL.: (305) 885-5525 • FAX: (305) 888-3859

20 GAUGE S.S. CONT. ELEAT  
 FASTENED 6" O.C. WITH  
 RING SHANK  
 NAILS

22 GAUGE STAINLESS  
 STEEL COPING CAP  
 FASTENED WITH NEOPRENE  
 WASHER 12" O.C.

22 GAUGE STAINLESS  
 STEEL STUCCO STOP  
 COUNTER FLASHING

STUCCO BY  
 OTHERS

ALUMINUM TERMINATION  
 BAR FASTENED 8" O.C.

FTR-FB MEMBRANE

3" ISOTHERM INSUL.

CONCRETE DECK

PARAPET FLASHING DETAIL (APPROVED)

**A-1 DURAN ROOFING** JAN 31 2007

PROFESSIONAL SERVICES \_\_\_\_\_

8095 N.W. 64th Street, Miami, Florida 33166 \_\_\_\_\_

TEL.: (305) 885-5525 • FAX: (305) 888-3859 \_\_\_\_\_

20 GAUGE S.S. CONT. CLEAT  
FASTENED 6" O.C. WITH  
RING SHANK  
NAILS

22 GAUGE STAINLESS  
STEEL COPING CAP  
FASTENED WITH NEOPRENE  
WASHER 12" O.C.

FLASHING MEMBRANE  
WRAP TO TOP OF  
COPING CAP

IN LINE OF  
STUCCO

STUCCO BY  
OTHERS

ALUMINUM TERMINATION  
BAR FASTENED 8" O.C.

FTR-FB MEMBRANE

3" ISOTHERM INSUL.

CONCRETE DECK

PARAPET FLASHING DETAIL (PROPOSED)

# WENDELL H. HALL, INC.

PLASTERING CONTRACTOR  
CG C028637

1801 WEST 10th STREET  
RIVIERA BEACH, FL 33404  
(561) 863-5525  
FAX (561) 863-5535

## REQUEST FOR CHANGE ORDER # 1

**DATE:** February 1, 2007  
**TO:** Widell, Inc.  
**JOB:** BRP Utilities Site  
Palm Beach County  
Project WUD 05-018, Job: 680

**RECEIVED**  
CARDINAL CONTRACTORS, INC.  
FT. LAUDERDALE OFFICE

FEB 01 2007

We propose to furnish all materials and perform all labor necessary to complete the following:

Per your request - To DELETE the stucco for the roof side of the parapet

(97 SY @ \$ 12.00 = \$ 1,164.00)

DEDUCT

~~\$ 1,164.00~~

2,000.00 <sup>HW</sup>

*Per Greg Hall on 2/9/07*

**Greg Hall**  
**President**

**Acceptance:**

**RECEIVED**  
CARDINAL CONTRACTORS, INC.  
FT. LAUDERDALE OFFICE

**A-1 DURAN ROOFING** JAN 31 2007  
**PROFESSIONAL SERVICES**  
 6095 N.W. 64th Street, Miami, Florida 33166  
 TEL.: (305) 885-5525 • FAX: (305) 889-3859

20 GAUGE S.S. CONT. ELEV  
FASTENED 6" O.C. WITH  
RING SHANK  
NAILS

22 GAUGE STAINLESS  
STEEL COPING CAP  
FASTENED WITH NEOPRENE  
WASHER 12" O.C.

FLASHING MEMBRANE  
WRAP TO TOP OF  
COPING CAP

IN LINE OF  
STUCCO

STUCCO BY  
OTHERS

ALUMINUM TERMINATION  
BAR FASTENED 8" O.C.

FTR-FB MEMBRANE

3" ISOOTHERM INSUL.

CONCRETE DECK

PARAPET FLASHING DETAIL (PROPOSED)

13

**TO:** Hal Myrah  
**FROM:** Bruce M. Wundrack, P.E.  
**DATE:** April 5, 2007  
**SUBJECT:** Request for Proposal #15  
Revised Security System Specifications

---

Please provide a detailed quote to furnish labor, material and equipment to: Construct the security system in accordance with the revised specification as issued by Memorandum dated June 28, 2006.

This RFP is issued for administrative purposes only. Your proposal dated April 5, 2007, to perform the described scope of work for a Contract increase of \$24,202.89 is accepted.

c: Joe Tanacredi, PBCWUD  
Rene Mathews, PE  
Lillian Reyes, PE, EDA  
File  
BMW

*Time @ 15 days?*  
*yes*

*C.O. G., Item 7*



**TO:** Hal Myrland  
**FROM:** Rene Mathews  
**DATE:** June 28, 2006  
**SUBJECT:** Clarification – Security Specifications

---

Attached, please find changes to the Security Specifications as dictated by PBC Facilities. Please incorporate these changes into the Security Shop Drawing Resubmittal currently in progress.

Also, please review the changes and inform us to any impacts to your contract.

c: Bruce Wundrack, MC  
Lillian Reyes, EDA  
Joe Tancredi, PBC  
File

## Specification Section 16721

- DELETE:** 16721, 2.01 – Products, 2.01. a., “Edwards” from list of pre-approved equipment
- INSERT:** 16721, 2.01 – Products, 2.01. a., “Grinell” to list of pre-approved equipment
- INSERT:** 16721, 2.06-Wiring, A. 2., “Conduit fill not to exceed 60%”
- DELETE:** 16971M 2.30 – Audio/Visual Alarms, A., “Provide recessed and surface mounted approved combination audio/visual alarm devices consisting of a grill electronic type alarm horn suitable for use in an electrically-supervised circuit and top mounted integral flashing strobe light. Horn shall have a sound rating of at least 96 decibels at 10 feet. Provide lamps of the flashing stroboscopic type, powered from the control panel alarm circuit. Lamps shall produce a minimum of 100 candela and be designed for one flash second. Lamps shall be protected by a translucent white polycarbonate lens and shall be labeled FIRE.”
- INSERT:** 16971M 2.30 – Audio/Visual Alarms, A., “Provide recessed and surface mounted approved combination audio/visual alarm devices consisting of a grill electronic type alarm horn suitable for use in an electrically-supervised circuit and top mounted integral flashing strobe light. **Audio indication shall produce a message to the audible device sufficient to produce an audio signal 15 db over ambient noise.** Provide lamps of the flashing stroboscopic type, powered from the control panel alarm circuit. Lamps shall produce a minimum of 100 candela and be designed for one flash second. Lamps shall be protected by a translucent white polycarbonate lens and shall be labeled FIRE.”
- INSERT:** 16971, 3.01 – Installation, A. “4. County will provide dedicated phone numbers for fire alarm dialer. The Contractor will be responsible for wiring the phone lines to the Fire Alarm panel’s Digital Communicator (DAC).”

## Specification Section 16972

- INSERT:** 16972, 1.02 – Description, B., “10. Equipment installed in exterior applications shall be fitted with fasteners and exposed surfaces of stainless steel or other corrosion resistant material.”
- INSERT:** 16972, 2.01 – List of Pre-approved Benchmark Equipment, 2.01 A.,
- “6. The door contact, to be installed on all exterior doors, will be the recessed type where possible. Acceptable models as follows:
- A. Ademco 4939SN or 4194
  - B. FBII 1 Point Module-XL4701 Or 2 point Module-XL4703 (Standard Contacts with Remote Point Modules)

7. The overhead door contacts will be armored type. Acceptable models are:

- A. Ademco 4959S
- B. Ademco 959 (For FBI with 1 point or 2 point module)"

#### Specification Section 16970

- INSERT:** 16970, 1.01 – Scope of Work, 1.01, “E. the work covered under this section of the specifications include the design of an access control system and the provisions of all labor, materials and supervision necessary to install and test this system. The access control system will include specific equipment manufactured by Northern. This system will become part of the Water Utilities Department (WUD), Palm Beach County’s main Access Control System. This system will be administered by WUD staff remotely from their administrative complex. *To ensure the integrity and conformity of the interface between this system and the main WUD system, Certified Northern technical staff must either perform the installation of the access control system or supervise the installation.* Palm Beach County will provide the LAN/WAN connection the system’s Terminal Controllers.”
- DELETE:** 16970, 2.03 – Closed Circuit Television (CCTV), A., “3. Close-circuit TV system camera shall be UL listed, commercially available products of Pelco, Vicon series low light CCD chip color camera or approved equal. Installation of each camera shall include mount, camera housing with blower and sunshield, lens, pan/tilt drive and zoom (2 camera’s), surge protector, and all cable connections and operational requirements.”
- INSERT:** 16970, 2.03 – Closed Circuit Television (CCTV), A., “3. Close-circuit TV system camera shall be UL listed, commercially available products, low light CCD chip color camera. Installation of each camera shall include mount, camera housing with blower and sunshield, lens, pan/tilt drive and zoom (2 camera’s), surge protector, and all cable connections and operational requirements.”
- DELETE:** 16970, 2.03 – Closed Circuit Television (CCTV), E, “3. The monitor shall be manufactured by Pelco, Vicon or approved equal”
- INSERT:** 16970, 2.03 – Closed Circuit Television (CCTV), “N. UPS units must be installed for the DVR and the camera power supply. Properly grounded surge protection must be installed at the DVR/power supply location for all exterior camera video and power cables.”
- INSERT:** 16970, 2.03 – Closed Circuit Television (CCTV), “O. List of approved Benchmark Equipment

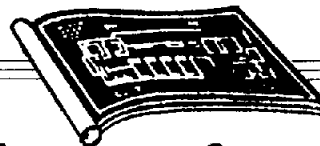
This section delineates specific manufacturers with respective model numbers that meet staff requirements. These specific products have been listed as a benchmark



reference to acquaint the CCTV Contractor with functional needs. However equivalents that meet the salient features will be considered for approval. The Palm Beach County Electronic Services and Security (ESS) staff reserves the sole right to determine equivalency of products proposed and the decision of ESS staff shall be final. The Bidders must include in their submission manufacturer's cut-sheets delineating the salient features and specifications of all non-benchmark products offered.

Pre-approved benchmark equipment is as follows:

1. Digital Video Recorder, benchmarked is: Pelco model # *DX8016-1000-DVD*
2. Interior cameras, benchmarked is: Panasonic model # *WV-CW244S/F*
3. Exterior cameras placed on soffits (horizontal mounting), benchmarked is: Panasonic model # *WV-CW244S/F*
4. Exterior cameras placed on a wall, fascia, or parapet (vertical mounting), benchmarked is: Panasonic model # *WV-CW374*
5. PTZ cameras, benchmarked is: Pelco *Spectra III Series Dome System with a Digital controller*
6. Monitor, benchmarked is: Dell model # *2001FP*
7. BNC connectors, must be compression type and recommended by cable manufacturer for coax being installed
8. Camera power supply, benchmarked is: Pelco model # *MCS16-10B*



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction

April 5, 2007

**Via Fax and Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Revised Security System Specifications**  
**WI Proposal No. 32**

Dear Ms. Mathews:

We are in receipt of the revised Security System Specifications and are pleased to provide you with the following proposal:

1 Lot Revised Security System ..... \$24,202.89

Please review our attached breakdown. We request that you write a Contract Change Order for the increased amount of \$24,202.89 with fifteen (15) additional days of contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please feel free to contact us.

Very truly yours,

WIDELL, INC.

Hal H. Myrah  
Project Manager

Attachments

cc: File w/attachments  
Field, Chrono  
Acctg: SRP

HHM/jlg:Proposal680 32

SAFETY PAYS

AN EQUAL OPPORTUNITY EMPLOYER

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Loveland Electric Proposal	1	LS			2	\$23,050.37		
Subtotal				\$0.00		\$23,050.37		0.00
Mat. taxes & labor burden			6%	0.00		★	50%	\$0.00
Material				0.00		23050.37		\$0.00
Subcont., Equip. Rental or Other				23,050.37				
Labor				0.00				
Subtotal				23,050.37				
Overhead on subcontract			5%	1,152.52				
Overhead on Labor & Material			15%	0.00				
<b>TOTAL</b>				<b>\$24,202.89</b>				
<b>Page Totals</b>								



1368 N. Killian Dr.  
Lake Park, FL 33403  
561-882-0401 Fax 561-882-0555

TO: Widell, Inc.  
5365 Stirling Rd.  
Ft. Lauderdale, FL 33314

DATE: 11/27/06 NO: 5  
JOB: BRP Utility Site  
JOB NO: 05-050

ATTN: Hal Myrah

We have received and reviewed your proposed change request  
Pertaining to Revised Specification 16721, 16970, 16971, 16972

We propose to furnish all material, labor and supervision for the execution of the electrical work covered  
by this change for the lump sum of: Twenty Three Thousand Fifty Dollars & 37/100  
\$23,050.37


In order to incorporate this change, we estimate that we will require additional time for completion and  
have based our proposal upon receiving 0 calendar days extension.

This proposal is firm for acceptance within 15 days. We cannot proceed with the work  
covered by this proposed change until we receive written approval, which must be within the above  
time limit to prevent additional costs.

Exceptions taken are: \_\_\_\_\_

This proposal is based solely on the usual cost elements such as labor, material and normal markups  
and does not include any amount for additional changes in the sequence of work, delays, disruption,  
rescheduling, extended overhead, overtime, acceleration and/or impact costs and the right is expressly  
reserved to make claim for any and all of these and related items of cost prior to any final settlement of  
this contract. The issuance of a change order is acknowledgement and acceptance of all terms and  
conditions of this written proposal and may not be altered in any way unless agreed to in writing.

LOVELAND ELECTRIC, INC.

  
David M. Loveland  
Vice President

# LOVELAND ELECTRIC, INC.

## Change Order Estimate Sheet

<u>LABOR</u>			
1	ESTIMATED MAN HOURS	0	HRS X RATE <span style="float: right;">\$45.00</span>
2	SUPERVISION		\$0.00
3	PROJECT MANAGER		\$1,000.00
4	TOTAL LABOR		\$1,000.00
<u>MATERIAL</u>			
5	ESTIMATED MATERIAL		\$0.00
6	MATERIAL QUOTES		\$18,322.00
7	SUBTOTAL MATERIAL		\$18,322.00
8	FREIGHT / DELIVERY		\$0.00
9	SALES TAX		\$0.00
10	TOTAL MATERIAL		\$18,322.00
<u>EXPENSES</u>			
11	SUBCONTRACTOR COST		\$0.00
12	SMALL TOOLS		\$50.00
13	RENTED EQUIPMENT		\$0.00
14	JOB EXPENSES		\$0.00
15	INSURANCE		\$193.72
16	BOND		\$391.31
17	TOTAL EXPENSES		\$635.03
<u>OVERHEAD &amp; PROFIT</u>			
18	OVERHEAD		10.00% <span style="float: right;">\$1,995.70</span>
19	PROFIT		5.00% <span style="float: right;">\$1,097.64</span>
20	<b>ESTIMATE</b>		<b>\$23,050.37</b>

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction



*Engineering Construction*

5365 STIRLING ROAD  
FT LAUDERDALE, FL 33314

March 20, 2007

**Via UPS**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Canal Claim**  
**WI Proposal No. 29**

Dear Ms. Mathews:

We are submitting our claim for the impact associated with the water level of the canal bordering the entire jobsite on the east. Your letter of January 5, 2006 informed us that Palm Beach County had an agreement with Mecca Farms to maintain the canal at elevation 18.0 – 19.0. Further, your letter noted that you would make certain that the agreement was enforced. We have attached copies of the canal water levels from May 23, 2006 through October 13, 2006 which was the period in which we were dewatering. From August 14, 2006 through September 26, 2006 the daily average water level of the canal was 21.03.

As you are aware, the 30" Water Main and the 24" Wastewater Main parallel the canal with the centerline of the Water Main coming as close as six (6) feet to the edge of the canal bank. This high water in the canal surcharged the ground adjoining the canal which directly effected our piping operations in August and September of 2006 and then our electrical operations in September and October of 2006. Further, our dewatering operation continued longer than anticipated and also cost more than expected.

Widell's base line CPM with a run date of December 28, 2005 and a data date of January 3, 2006 indicated our piping operations for the water and wastewater piping associated with Drawings M-5 thru M-10 would end on September 29, 2006. These pipe lines were complete enough on October 13, 2006 to allow us to remove our central 6" centrifugal dewatering pump. This amounted to only an additional fourteen (14) days of time. What the CPM does not show, is all of the additional manpower, equipment and time associated with the additional dewatering. The main 6" pump which normally runs throttled was running at capacity and using more fuel. The dewatering pump attendant had to come in on Saturdays and Sundays to fuel the pump. Additional trash pumps were required to move the water. Manpower and equipment were needed to build dams and push the water away from ongoing activities. Our superintendent spent the majority of his time assisting the pipe liners, Wolverine Engineering Contractors, Inc. and the electrician by the canal and the Pump Station did not get the proper attention. With this in mind, we are requesting an additional forty-six (46) days for a total of sixty (60) days of additional time.

*C.O.G. Item 8*

Mathews Consulting, Inc.  
Attn: Rene L. Mathews, P.E.  
March 20, 2007  
Page Two

The base line CPM showed the Yard Electric Roadway starting on March 19, 2006 and to be complete by June 1, 2006 with approximately thirty (30) days of float. This activity started on August 16, 2006 and is yet to be completed. Widell's forces also had to assist Loveland Electric Company, Inc. with dewatering similar in nature to the aforementioned paragraph.

We are providing to you the following proposal. Please review the attached breakdown.

1 Lot High Water Conditions at the Canal ..... Lump Sum ..... \$147,320.42

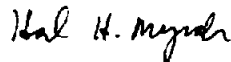
We have attached supporting documentation as follows:

- Correspondence
- Base Line CPM
- Superintendent's Job Diary
- Canal Level Readings
- Subcontractor's Proposals

We request that you write a Contract Change Order for the increased amount of \$147,320.42 with sixty (60) additional days of contract time for the additional work associated with battling the high water conditions of the canal. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please do not hesitate to call.

Very truly yours,

WIDELL, INC.



Hal H. Myrah  
Project Manager

cc: File w/attachments  
Field  
Chrono  
Acctg: SRP

REH/jlg:Proposal680 29

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C. 3. E.R.		5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Electrical Subcontractor	1	LS			2	\$65,276.00		
Pipe Line Subcontractor	1	LS			2	\$12,600.00		
<u>Widell Direct Costs</u>								
6" Centrifugal Pump	2	Wks	800	\$1,600.00				
3" & 2" Trash Pumps	2	Wks	450	\$900.00				
Loader	2	Wks	1,200	\$2,400.00				
Fuel	2,100	Gal	2.6	\$5,460.00				
Labor	160	Hrs					26	4,160.00
Small Tools (\$2/MH)	160	Hrs	2	\$320.00				
<u>Widell Indirect Costs</u>								
Manager	12	Days					350	4,200.00
Superintendent	2	MO					6,000	12,000.00
Office Trailer	2	MO	350	\$700.00				
Storage Trailer (2 EA)	2	MO	300	\$600.00				
Phone Service	2	MO	350	\$700.00				
Electricity Usage	2	MO	350	\$700.00				
Sanitary Services	2	MO	300	\$600.00				
Drinking Water	2	MO	100	\$200.00				
Pick-up w/ Gas	2	MO	600	\$1,200.00				
Subtotal				\$15,380.00			\$77,876.00	20,360.00
Mat. taxes & labor burden			6%	922.80				50% \$10,180.00
Material				16,302.80			77,876	\$30,540.00
Subcont., Equip. Rental or Other				77,876.00				
Labor				30,540.00				
Subtotal				124,718.80				
Overhead on subcontract			5%	3,893.80				
Overhead on Labor & Material			15%	18,707.82				
<b>TOTAL</b>				<b>\$147,320.42</b>				
Page Totals								





**TO:** Hal Myrah  
**FROM:** Rene Mathews, PE  
Bruce M. Wundrack, PE  
**DATE:** May 15, 2007  
**SUBJECT:** BRP Utility Site  
Widell Claim wrt Ground Water

---

This memo the summary of our evaluation of Widell's claim dated March 20, 2007 regarding the impact of high ground water on their operation to construct the BRP Utility Site project, and our recommendation regarding settlement with Widell.

In reviewing this claim, we considered both the Contractor's responsibility to present a document that meets the contractual requirements to establish and justify the claimed impact in all regards, [time, and cost], and the underlying reasons for the claim; that the ground water was so high that underground work could not be efficiently performed. A more detailed analysis, as compared to this document, is in the form of an internal Mathews Consulting memorandum.

Background: Widell's claim is based on the allegation that high ground water between May 23, 2006 and October 13, 2006, impacted their project time line. They state the unmanageable ground water elevation was due to the high water level in the canal adjacent to the project's east property line averaging 21.03' between August 14 and September 26, 2006. Specifically, Widell alleges impact for Wolverines pipe laying activity extending their anticipated completion date from September 29 to October 13, 2006, (14 days). An additional forty-six days were requested for impacts to Loveland Electric's conduit laying operation, without being specific on the dates of impact. The total claim is for 60 days of contract time and associated extended overhead costs on both subcontractors, the general contractor, and general contractor's markup on the subcontractor's extended overhead. The costs and time requested by each is summarized below:

Loveland Electric	\$65,276	46 days	Unspecified
Wolverine	\$12,600	14 days	Sep 29 to Oct 13
Widell	\$46,843		
<u>GC markups</u>	<u>\$22,601</u>		
Total Claimed	\$147,320	60 days	

Contractually, the documentation for this claim falls short of establishing cause, effect, time and costs related. For instance:

1. There is no CPM analysis that documents the impact of the water.
2. The narratives provided by the subcontractors are very non-specific;
  - a. The pipeline subcontractor does not present any costs. Costs appear only on Widell's summary. No dates are mentioned.
  - b. The electrical subcontractor's cost work sheet implies that they were 100% non-productive for 129 days (11/7/06 until 5/7/07, which hasn't even arrived yet). Their calculations were based on 20 work days/ month, not 22. The narrative then asks for a 60 day time extension.

We have reviewed the costs presented by Widell and believe they are reasonable. The costs presented by the subcontractors are entirely unsubstantiated and should be denied. We recommend presenting one of the two offers following to Widell to settle this issue.

A. 14 days -

Widell's March 20, 2007 letter, paragraph 3 states that they expected to be done with water and wastewater piping on Sep. 29, 2006 in the baseline CPM schedule. But they didn't get done until Oct. 13, 2006. Therefore the impact of the water must be 14 days. The direct costs associated with 14 days are \$34,047.

B. 55 days—

The total period of impact claimed by Widell is August 14, to September 26, 2006, (46 days) when the water in the canal was above 21.0', and from September 29 to October 13, 2006 (14 days) per item A, for a total of 60 days. During these periods, 5 days time extension have already been granted, so 55 days is all that should be considered. The costs that we believe to be reasonable and justifiably associated with 55 days are \$51,667. This, again, does not include any discreet costs for the subcontractors, since they are not substantiated. However, under this option, we would propose to Widell that they address any additional impacts on the subcontractors directly with them and consider a cost share of dollars received for this change order.

Mathews Consulting recommends offering Widell, Inc. Option B; 55 days and \$51,667 for related costs. The reasoning is sound, the costs to Widell are justifiable, and 55 days will go much further to resolving the time/liquidated damages issue than zero or 14 days.

Attachment: Change Order Request binder  
Changes Summary

Cc: 1282/c/WUD  
1282/CO6

State Certified

Sewage Treatment Works  
Water Treatment Works  
Substructure Construction



*Engineering Construction*

5365 STIRLING ROAD  
FT. LAUDERDALE, FL 33314

April 17, 2007

**Via Fax and Mail**

Mathews Consulting Inc.  
1475 Centrepark Blvd, Ste 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews, P.E.

Re: Palm Beach County, Florida  
Water Utilities Department  
BRP Utility Site  
Project WUD 05-018, WI Job 680  
**Potable Water Delay**  
**WI Proposal No. 33**

Dear Ms. Mathews:

As you are aware, potable water was to be provided to us by July 15, 2006. However, we did not receive potable water until December 12, 2006. This delay in receiving water prevented us from testing our pipelines after installation. For this delay, we provide you with the following proposal:

1 Lot Potable Water Delay ..... \$1,890.00

Please review our attached breakdown. We request that you write a Contract Change Order for the increased amount of \$1,890.00 with forty-five (45) additional days of contract time. This Proposal is valid for thirty (30) days. Since the full extent and impact to the project is not yet known, we reserve our rights and request appropriate consideration concerning additional time and cost relative to our original contract work. If you have any questions, please feel free to contact us.

Very truly yours,

WIDELL, INC.

*Hal H. Myrah*  
Hal H. Myrah  
Project Manager

Attachments

cc: File w/attachments  
Field, Chrono  
Acctg: SRP

HHM/jlg:Proposal680 33

*C.O.C., Item 9*

SAFETY PAYS

AN EQUAL OPPORTUNITY EMPLOYER

DESCRIPTION	QTY	UNIT	1. MATERIAL		2. S.C.	3. E.R.	5. LABOR	
			U.P.	PRICE	NO.	4. OTHER	U.P.	AMOUNT
Wolverine Engineering Proposal	1	LS			2	\$1,800.00		
Subtotal				\$0.00		\$1,800.00		0.00
Mat. taxes & labor burden			6%	0.00			50%	\$0.00
Material				0.00		1800		\$0.00
Subcont., Equip. Rental or Other				1,800.00				
Labor				0.00				
Subtotal				1,800.00				
Overhead on subcontract			5%	90.00				
Overhead on Labor & Material			15%	0.00				
<b>TOTAL</b>				<b>\$1,890.00</b>				
Page Totals								

WOLVERINE ENGINEERING  
CONTRACTORS, INC.

PHONE (561) 383-6882  
FAX (561) 383 6802

WATER & FORCE MAINS  
LIFT STATIONS  
DRAINAGE SYSTEMS  
VACUUM SEWER

FACSIMILE TRANSMITTAL SHEET

TO: <b>HAL MYRAH</b>	FROM: <b>MATTHEW KASKEY</b>
COMPANY: <b>WIDELL, INC.</b>	DATE: <b>10/27/06</b>
FAX NUMBER: <b>(954)587-6653</b>	TOTAL NO. OF PAGES INCLUDING COVER: <b>2</b>
PHONE NUMBER: <b>(954)587-0520</b>	SENDER'S REFERENCE NUMBER:
RE: <b>BRP UTILITY SITE</b>	YOUR REFERENCE NUMBER:
<input checked="" type="checkbox"/> FOR REVIEW PLEASE COMMENT	PLEASE REPLY

REMOBILIZATION FEE FOR PRESSURE TEST

**RECEIVED**  
WIDELL INC.  
**OCT 27 2006**

To \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WOLVERINE ENGINEERING CONTRACTORS, INC.



8983 OKEECHOBEE BLVD #202  
WEST PALM BEACH, FL 33411  
PHONE: 561-383-6882  
FAX: 561-383-6802

# CHANGE ORDER

CO# 102706-1  
Date: OCTOBER 27, 2006  
Customer ID#

<b>SEND TO:</b>
WIDELL INC. DAVIE, FL

<b>JOB NAME / ADDRESS</b>
BRP UTILITIES SITE PALM BEACH COUNTY

<b>ADDENDUM #'S INCLUDED ARE :</b>	<b>QUOTE VALID UNTIL</b>
	30 DAYS FROM ABOVE DATE

	TOTAL
REMOBILIZE AND DEMOBILIZE EQUIPMENT TO PRESSURE TEST AND BAC-T PIPE DUE TO UNAVAILABLE POTABLE WATER ON SITE	
<ul style="list-style-type: none"> <li>• COMBINATION FOR RE-EXCAVATING AREAS AT TEST LOCATIONS</li> <li>• LOADER TO HAUL TESTING TOOLS/EQUIPMENT IN WET AREAS</li> </ul>	
<b>TOTAL</b>	<b>\$1,800.00</b>