



ADD-CHANGE FORM

New Project or Budget Change?  Assigned Project #

Requested by:  Date:   
*Project Manager / Area Manager*

Project Name:

Company:  Sanlando Utilities Corp

Business Unit:  Sanlando Utilities Corp S

Project Owner:

BU Type:

Project Manager:

Budget Owner / RP:

Start Date:

Region:

Estimated End Date:

State:

Project Type:

Will project replace/retire any assets:

Previously Requested:

This Request:	\$7,781,739
Still to be Requested:	\$0
Total Project Budget:	\$7,781,739

Description:

Element #1 - Longwood/Devonshire FM - Consists of 1,180 LF of 12" HDPE FM, 5,609 LF of 12" C-900 PVC FM, 61 LF of 8" HDPE FM, 10 LF of 4" C-900 PVC FM, 210 LF of 2.5" C-900 PVC FM, (8) 2" ARVs with vaults, (7) 12" plug valves, (1) 10" plug valve, (3) 8" insertion valves, (2) 4" plug valves, 660 SY of driveway R & R, 1,870 SY of sidewalk R & R and 3,257 SF of mill and resurface of asphalt.

Element #2 - Des Pinar Improvements - Site work includes landscaping, concrete and asphalt driveways, demolition of existing buildings, 1,811 LF of 12" C-900 PVC FM, 272 LF of 6" C-900 PVC FM, (4) plug valves, fire hydrant, 302 LF of 8" C-900 PVC water main, 570 LF 2" PE water main, influent screening structure, 50' ID 270,000-gallon equalization tank with submersible mixers, an adjacent transfer pump station with submersible pumps, 8" mag meter, 2,000 SF operations building, 100kW auxiliary generator, electrical, instrumentation and control equipment, and a 3,000 SF storage and supplies building.

Element #3 - Springs Blvd FM - 6,175 LF of 12" C-900 PVC FM, 852 LF of 12" HDPE FM, 11 LF of 6" C-900 PVC FM, (6) 2" ARVs with vaults, (9) 12" plug valves, (1) 12" insertion plug valve, (1) 6" insertion plug valve, (1) 6" plug valve, and abandon/grout fill existing FM.

Element #4 - Sabal Master Pump Station - Complete rehabiliation of the existing F-2 lift station wet well, hatches, valve vault, pipe, fittings and pumps, a new master pump station including all electrical panels and controls, wet well, 8" mag meter, pumps, relocate 250kW emergency generator from Shadow Hills, piping, valves, fencing, driveway, abandonment of a combined 1,711 LF of FM (grout fill or remove), new force mains to include 300 LF of 16" C-900 PVC FM, 246 LF of 16" HDPE FM, 510 LF of 12" C-900 PVC FM, 200 LF of 6" C-900 PVC FM, (1) 16" plug valve, (1) 12" plug valve and (1) 6" plug valve.

Element #5 - Decommissioning of Shadow Hills WWTF - Abandon and disconnect all electrical, abandon exsiting GMMWs, demolition and removal of tankage, buildings and trailer.

Timeline Considerations:

In order to timely complete this pro forma project included in the currently open rate case docket, the project elements will need to be constructed simultaneously and completed by end of the 2017 calendar year.

Inter-dependant Project Project Number:  Project Name  (If applicable)

Have engineering evaluations been performed?  Engineering project numbe  (If applicable)

**Justification and Benefits:**

The Shadow Hills WWTF was constructed in the early 1980s and has never been rehabilitated. The WWTF is a stand alone plant with no alternative means to redirect flows in order to take the facility down for rehabilitation. Therefore, a new treatment plant must be built on the site adjacent to the existing treatment plant or the flows diverted to the neighboring Sanlando system. In order to analyze the most cost effective means to address this situation, the Utility contracted with Kimley-Horn and Associates to evaluate viable alternatives. One of the first steps was to perform modeling of the existing Sanlando system. In doing so, it was found that there are three areas of concern that need to be addressed to develop a complete solution. 1) Greater than standard design force main head conditions exist within approximately 1,350 LF of 6" and 8" force main at the Des Pinar site that need to be upgraded to a 12" force main, 2) It was found that there are excessive run times further downstream at LS F-2 that receives the flow from the east and west sides of the system. The F-2 LS pumps are undersized for current conditions and the wet well and components are in need of complete rehab or replacement. 3) The modeling also identified 3,800 LF of 10" force main on Springs Boulevard and 2,740 LF of 6" force main along the defunct golf course with excessive head conditions that prevent LS C-4 and LS C-6 from pumping into the common force main. These deficiencies were then combined with each of three options to develop an engineering estimate of probable cost for each option. Option #1 was to build a new plant at Shadow Hills and decommission the old plant. Option #2 was to build a master pump station at the Shadow Hills plant site, demo the plant and redirect the flow to Des Pinar for treatment at the Wekiva WWTF. Option #3 is to build an equalization tank at Des Pinar to allow the Shadow Hills flow to be pumped as evenly as possible across 24 hours so as not to hydraulically or organically overload the Wekiva WWTF during peak demand periods and thus avoid having to expand treatment capacity at Wekiva WWTF. When considering the project cost for each option, annual O&M expense and operability, Option #3 offered the favored solution.

**Risk Evaluation**

The Shadow Hills WWTF and equalization tank will eventually fail and create an environmental situation that could only be remedied by temporarily hauling raw wastewater by pumper truck to another facility while effectuating emergency repairs or to divert flow permanently to another plant. With elevated head conditions in the Des Pinar and the Springs force main piping network, it is likely that pipe failures will occur due to degradation of the pipe; This would generate environmental damaged from SSOs. The F-2 lift station that supports the east and a good portion of the west side of the collection system will continue to degrade and trigger significant and frequent SSOs that can otherwise be avoided with the completion of this project. The current flow profile causes the two pumps in F-2 lift station to run nearly continuously on a routine, daily basis, which is not sustainable.

**Alternatives Considered:**

The three existing system deficiencies identified in the alternatives study must be corrected to achieve adequate performance of the existing system. There are other items under Option #3 that could be eliminated such as the new operations building and the new storage building; however, the headcount working out of the current building (built in 1973) has grown over time and the existing building does not adequately support the staff's requirements. As well, the existing storage barn (a rudimentary pole barn) is made of wood and galvanized metal that has rotted over 40 years of service and is in need of replacement.

**Technical Review Summary:**

CPRT review conducted on Thursday, 2/2/2017 with no comments received that requires adjustment or revision.



Financial and Regulatory Implications

**Capital Plan**

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Proposed Project Spend	\$7,781,739				
Project Spend in Current Plan	\$7,781,739				
Variance	-	-	-	-	-
CIAC Collected					
Net Rate Base	7,781,739	7,781,739	7,781,739	7,781,739	7,781,739
<b>O&amp;M Cost Impact B/(W)</b>					

(if applicable)

**Financial Justification**

Building an equalization tank at Des Pinar to allow the Shadow Hills flow to be pumped evenly the diurnal cycle so as not to over burden the Wekiva WWTF during peak demand periods is the most cost effective solution when considering alternative project costs (option #1 or #2), annual O&M expense and operability.

Since this proforma project will be completed in December 2017, after rate recovery begins in September, no depreciation expense or O&M savings will occur before rate recovery.

It is assumed that the total annual O&M costs associated with the Shadow Hills Plant will be shifted to the Wekiva Plant once the flow is diverted.

**Estimated Revenue Impact per Customer:**

Number of Customers Impacted:

Served	Rate Payers
35.04	19.03
6,055	11,146

**Utility Financial Impact**

	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
O&M Impact on EBITDA B/(W)		-	-	-	-
Depreciation Impact on EBIT B/(W)	-				
Under-recovery on capital B/(W)	(212,158)				
Net EBIT Impact B/(W)	(212,158)				

**Timing and Supporting Information on Rate Recovery**

Project will be completed by 12/31/17 and is included as a pro forma project in the consolidated rate case. Rate recovery should begin before project completion in September 2017. No O&M savings or depreciation expense will occur before rate recovery in September 2017.

**Regulatory Plan Implications**

Construction must be completed by 12/31/17 to qualify as a pro forma project in consolidated rate case.

**Assumptions**

ROE: 10.25%, Cost of Debt: 6%, Equity Percentage: 50%, Tax Rate: 37.63%, Depreciation Rate: 0%  
 After Tax Return on Rate Base = 10.25% x 50% + 6% x 50% x (1 - 37.63%) = 6.9961%  
 Pretax Return on Rate Base = 6.9961% / (1 - 37.63%) = 11.217%  
 Total Revenue Required = Pretax Return on Rate Base + Depreciation Rate = 11.217% + 0% = 11.217%  
 Please note the under-recovery on capital includes equity, taxes, and debt portions



**BID INFORMATION AND BUDGET BREAKDOWN**

Have three bids been received?

If not, why? List and provide amounts below

Bid	Company	Amount	Selected
1	Project was bid in 4 separate elements		
2	(See detail below)		
3			

**Component:**

**Amount**

Value Bid Elements		should match selected bid(s) above
Engineering		
Direct Purchase of Parts / Materials		
Landscaping / Site Restoration		
Other Components (specify):		
Cap Time		
Sabal Master Pump Station (Tri Sure Corp)	2,244,445.00	
Des Pinar Improvements (FEC)	3,012,273.00	
Springs Force Main (Tri Sure Corp)	925,350.00	
Longwood Devonshire FM (CFT)	1,443,012.00	
Des Pinar Storage Building	106,659.00	
Shadow Hills WWTF Demolition	50,000.00	

**Total Project Budget** **7,781,739.00** should match Total Budget on General Information

**Object Account(s) to which project will be closed:**

1345	Sewer Force Main/Srvc Lines
1410	Plant Sewers Trtmt Plt
1455	Office Struct & Imprv
1295	Struct/Imprv Pump Plt Ls
	select from dropdown list

[Go to Reference List](#)

**General Comments:**

The project was bid out in four separate elements. Multiple bidders were selected for each element. Of the four elements, two of them only received two bids each but both bids were competitive and from quality vendors that the Utility has worked with in the past. The Des Pinar Improvements element and the Sabal Master Pump Station element each received two bids but again both bids were competitive and from quality vendors that the Utility has worked with in the past. Three bids were received for the Springs FM and the Shadow Hills/Devonshire FM elements.

The bid for the storage building at the Des Pinar site was a single bid from Evans Contracting who was the same contractor that constructed the Lake Groves storage building for a similar and fair price with exceptional workmanship.

The Shadow Hills WWTF demolition work, power disconnection and GMMW abandonment were each bid by a single contractor at minimal cost. Those costs were consistent with similar costs associated with the demolition of the Des Pinar WWTP in 2013.



## Approvals

### EAM Prime Review

Review Completed by  Date:   
Does project align with utility plan and meet technical requirements? Yes  No

#### Comments

This project aligns with the utility plan and meets UIF technical requirements.

### Technical Peer Review

Review Sponsored by  Date Held   
Approval to proceed Yes  No

#### Comments (note if feedback received in review incorporated)

No comments.

### FP&A Review

Review Completed by  Date:   
Does Project comply with current Utility Rate and Regulatory Plan? Yes  No

#### Comments

This project meets UIF financial requirements.

### Approvals

Applicable?

Regional Manager:  Date:

VP Operations:  Date:

President:  Date:

### Approval or Re-Direction Comments

Prepared by:



SHADOW HILLS									
DES PINAR MASTER PUMP STATION/UTILITIES INC. OF FLORIDA									
BID COMPILATION									
ITEM #	DESCRIPTION	UNIT	QUANTITY	Engineers OPCC		Wharton-Smith		FEC	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
<b>GENERAL</b>									
1	Mobilization/General Conditions	LS	1	\$ 200,000.00	\$ 200,000.00	\$ 350,000.00	\$ 350,000.00	\$ 250,000.00	\$ 250,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 12,100.00	\$ 12,100.00	\$ 11,500.00	\$ 11,500.00
3	Construction Testing	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 10,000.00	\$ 10,000.00	\$ 11,000.00	\$ 11,000.00
<b>SITE WORK</b>									
4	Landscaping	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 34,500.00	\$ 34,500.00
5	Concrete Drive	CY	100	\$ 40.00	\$ 4,000.00	\$ 70.00	\$ 7,000.00	\$ 73.00	\$ 7,300.00
6	Asphalt Drive	SY	181	\$ 40.00	\$ 7,240.00	\$ 150.00	\$ 27,150.00	\$ 140.00	\$ 25,340.00
7	Mill and Resurface Asphalt	SY	795	\$ 40.00	\$ 31,800.00	\$ 45.00	\$ 35,775.00	\$ 38.00	\$ 30,210.00
8	Bollards	EA	17	\$ 750.00	\$ 12,750.00	\$ 600.00	\$ 10,200.00	\$ 600.00	\$ 10,200.00
9	Pipe Supports	EA	18	\$ 1,000.00	\$ 18,000.00	\$ 300.00	\$ 5,400.00	\$ 300.00	\$ 5,400.00
<b>DEMOLITION</b>									
6	Demolition	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 148,000.00	\$ 148,000.00	\$ 126,000.00	\$ 126,000.00
<b>SITE PIPING</b>									
7	1" Water Service Line	LF	65	\$ 25.00	\$ 1,625.00	\$ 17.00	\$ 1,105.00	\$ 21.00	\$ 1,365.00
8	2" Water Service Line	LF	570	\$ 30.00	\$ 17,100.00	\$ 25.00	\$ 14,250.00	\$ 23.00	\$ 13,110.00
9	8" Water Service Line	LF	302	\$ 50.00	\$ 15,100.00	\$ 30.00	\$ 9,060.00	\$ 33.00	\$ 9,966.00
10	2" Backflow Preventer and Meter	EA	1	\$ 1,000.00	\$ 1,000.00	\$ 7,000.00	\$ 7,000.00	\$ 6,300.00	\$ 6,300.00
11	Hydrant Assembly	EA	1	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 5,300.00	\$ 5,300.00
12	Connect to Existing Water Main	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 6,850.00	\$ 6,850.00	\$ 6,500.00	\$ 6,500.00
13	4" Plug Valve	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 2,480.00	\$ 2,480.00	\$ 2,500.00	\$ 2,500.00
14	6" Plug Valve	EA	3	\$ 3,500.00	\$ 10,500.00	\$ 3,375.00	\$ 10,125.00	\$ 3,500.00	\$ 10,500.00
15	6" PVC Force Main (including fittings)	LF	272	\$ 45.00	\$ 12,240.00	\$ 45.00	\$ 12,240.00	\$ 44.00	\$ 11,968.00
16	12" PVC Force Main (including fittings)	LF	1,811	\$ 50.00	\$ 90,550.00	\$ 55.00	\$ 99,605.00	\$ 52.00	\$ 94,172.00
17	Connect to Existing Force Main	EA	4	\$ 5,000.00	\$ 20,000.00	\$ 9,016.00	\$ 36,064.00	\$ 8,350.00	\$ 33,400.00
<b>PUMP STATION</b>									
18	Submersible Pumps (including concrete pedestals)	EA	3	\$ 35,000.00	\$ 105,000.00	\$ 3,350.00	\$ 10,050.00	\$ 32,930.00	\$ 98,790.00
19	Pump Station (including concrete slab and all above grade piping and fittings between the flange at the tank and the Flow Meter)	LS	1	\$ 80,000.00	\$ 80,000.00	\$ 118,650.00	\$ 118,650.00	\$ 96,000.00	\$ 96,000.00
20	8" Mag Flow Meter Assembly	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 14,890.00	\$ 14,890.00	\$ 16,000.00	\$ 16,000.00
<b>INFLUENT STRUCTURE</b>									
21	Influent Structure (including concrete pedestal, stainless steel channel, mechanical bar screen, manual bar screen, sluice gates, and above grade piping and fittings)	LS	1	\$ 500,000.00	\$ 500,000.00	\$ 585,700.00	\$ 585,700.00	\$ 606,952.00	\$ 606,952.00
22	Grating, Stairways, and Handrails	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 73,650.00	\$ 73,650.00	\$ 60,714.00	\$ 60,714.00
23	Dumpster	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00	\$ -	\$ -
<b>SURGE TANK</b>									
24	50' ID Surge Tank (including tank slab, platform, railing)	LS	1	\$ 275,000.00	\$ 275,000.00	\$ 338,605.00	\$ 338,605.00	\$ 320,714.00	\$ 320,714.00
25	Submersible Mixers	EA	2	\$ 42,000.00	\$ 84,000.00	\$ 52,500.00	\$ 105,000.00	\$ 43,662.00	\$ 87,324.00
<b>OPERATIONS BUILDING</b>									
26	Operations Building (including building MEP and lift station)	LS	1	\$ 430,000.00	\$ 430,000.00	\$ 519,980.00	\$ 519,980.00	\$ 560,248.00	\$ 560,248.00
27	Electrical	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 365,000.00	\$ 365,000.00	\$ 304,000.00	\$ 304,000.00
28	Generator (including fuel tank and concrete slab)	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 101,400.00	\$ 101,400.00	\$ 98,000.00	\$ 98,000.00
29	Instrumentation and Controls	LS	1	\$ 50,000.00	\$ 50,000.00		\$ 250,000.00	\$ 57,000.00	\$ 57,000.00
<b>TOTAL BASE BID</b>					\$ 2,474,905.00		\$ 3,325,829.00		\$ 3,012,273.00

SECTION 00410

BID FORM

PART 1 GENERAL

1.01 Description

The following Bid, for the Des Pinar Master Pump Station, is hereby made to Utilities Inc., hereafter called the Owner. This Bid is submitted by (1)

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC  
PO Box 305  
HOWEY IN THE HILLS, FL 34737  
(407) 402-2828

(1) Name, address, and telephone number of Bidder

1.02 The Undersigned:

A. Acknowledges receipt of:

1. Project Manual and Drawings identified within the Project Manual.

2. Addenda:	Number	<u>1</u>	Dated	<u>12/7/16</u>
	Number	<u>2</u>	Dated	<u>12/21/16</u>
	Number	<u>3</u>	Dated	<u>1/3/17</u>
	Number	<u>4</u>	Dated	<u>1/6/17</u>

B. Has examined the site and all Bidding Documents and understands that in submitting his Bid, he waives all right to plead any misunderstanding regarding the same.

C. Agrees:

1. To hold this Bid open for 90 calendar days after the bid opening date.

2. To accept the provisions of the Instructions to Bidders regarding disposition of Bid Security.

3. To enter into and execute a contract with the Owner, if awarded on the basis of this Bid, and to furnish a Performance Bond and a Labor and Material Payment Bond in accordance with the Instructions to Bidders.

4. To accomplish the work in accordance with the Contract Documents.

5. To begin work not later than 10 days after the issuance of a Notice to Proceed, unless otherwise provided, and substantially complete the work within 270 calendar days of the date of the Notice to Proceed.

6. To accept the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

**1.03 Lump Sum Price**

The undersigned will construct this project for the Base Bid Lump Sum Price of \$ THREE MILLION TWELVE THOUSAND TWO HUNDRED SEVENTY THREE AND NO CENTS. Dollars (\$3,012,273.00).

**1.04 Schedule of Values**

The Bidder hereby indicates the following total units and total prices which represent all materials, labor, equipment, transportation, performance of all operations relative to construction of the project, overhead, and costs of all kinds and profit to complete the work items in accordance with the Project Manual, plans, and permits. Work for which there is not a listed item below shall be considered incidental to the Contract and no additional compensation will be allowed.

Item #	Description	Unit	Quantity	Unit Price	Amount
<b>GENERAL</b>					
1	Mobilization/General Conditions	LS	1		
2	Project Closeout/Record Drawings	LS	1		
3	Construction Testing	LS	1		
<b>SITE WORK</b>					
4	Landscaping	LS	1		
5	Concrete Drive	CY	100		
6	Asphalt Drive	SY	181		
7	Mill and Resurface Asphalt	SY	795		
8	Bollards	EA	17		
9	Pipe Supports	EA	18		
<b>DEMOLITION</b>					
6	Demolition	LS	1		
<b>SITE PIPING</b>					
7	1" Water Service Line	LF	65		
8	2" Water Service Line	LF	570		
9	8" Water Service Line	LF	302		
10	2" Backflow Preventer and Meter	EA	1		
11	Hydrant Assembly	EA	1		

SCHEDULE OF VALUES FOR DES PINAR MASTER PUMP STATION/UTILITIES INC. OF FLORIDA					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>GENERAL</b>					
1	Mobilization/General Conditions	LS	1	\$ 250,000.00	\$ 250,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 11,500.00	\$ 11,500.00
3	Construction Testing	LS	1	\$ 11,000.00	\$ 11,000.00
<b>SITE WORK</b>					
4	Landscaping	LS	1	\$ 34,500.00	\$ 34,500.00
5	Concrete Drive	CY	100	\$ 73.00	\$ 7,300.00
6	Asphalt Drive	SY	181	\$ 140.00	\$ 25,340.00
7	Mill and Resurface Asphalt	SY	795	\$ 38.00	\$ 30,210.00
8	Bollards	EA	17	\$ 600.00	\$ 10,200.00
9	Pipe Supports	EA	18	\$ 300.00	\$ 5,400.00
<b>DEMOLITION</b>					
6	Demolition	LS	1	\$ 126,000.00	\$ 126,000.00
<b>SITE PIPING</b>					
7	1" Water Service Line	LF	65	\$ 21.00	\$ 1,365.00
8	2" Water Service Line	LF	570	\$ 23.00	\$ 13,110.00
9	8" Water Service Line	LF	302	\$ 33.00	\$ 9,966.00
10	2" Backflow Preventer and Meter	EA	1	\$ 6,300.00	\$ 6,300.00
11	Hydrant Assembly	EA	1	\$ 5,300.00	\$ 5,300.00
12	Connect to Existing Water Main	EA	1	\$ 6,500.00	\$ 6,500.00
13	4" Plug Valve	EA	1	\$ 2,500.00	\$ 2,500.00
14	6" Plug Valve	EA	3	\$ 3,500.00	\$ 10,500.00
15	6" PVC Force Main (including fittings)	LF	272	\$ 44.00	\$ 11,968.00
16	12" PVC Force Main (including fittings)	LF	1,811	\$ 52.00	\$ 94,172.00
17	Connect to Existing Force Main	EA	4	\$ 8,350.00	\$ 33,400.00
<b>PUMP STATION</b>					
18	Submersible Pumps (including concrete pedestals)	EA	3	\$ 32,930.00	\$ 98,790.00
19	Pump Station (including concrete slab and all above grade piping and fittings between the flange at the tank and the Flow Meter)	LS	1	\$ 96,000.00	\$ 96,000.00
20	8" Mag Flow Meter Assembly	LS	1	\$ 16,000.00	\$ 16,000.00
<b>INFLUENT STRUCTURE</b>					
21	Influent Structure (including concrete pedestal, stainless steel channel, mechanical bar screen, manual bar screen, sluice gates, and above grade piping and fittings)	LS	1	\$ 606,952.00	\$ 606,952.00
22	Grating, Stairways, and Handrails	LS	1	\$ 60,714.00	\$ 60,714.00
23	Dumpster	EA	1	\$ -	\$ -
<b>SURGE TANK</b>					
24	50' ID Surge Tank (including tank slab, platform, railing)	LS	1	\$ 320,714.00	\$ 320,714.00
25	Submersible Mixers	EA	2	\$ 43,662.00	\$ 87,324.00
<b>OPERATIONS BUILDING</b>					
26	Operations Building (including building MEP and lift station)	LS	1	\$ 560,248.00	\$ 560,248.00
<b>ELECTRICAL</b>					
27	Electrical	LS	1	\$ 304,000.00	\$ 304,000.00
28	Generator (including fuel tank and concrete slab)	LS	1	\$ 98,000.00	\$ 98,000.00
29	Instrumentation and Controls	LS	1	\$ 57,000.00	\$ 57,000.00
<b>GRAND TOTAL</b>					\$ 3,012,273.00

Utilities Inc.

**Des Pinar Master Pump Station**

00410-3

12	Connect to Existing Water Main	EA	1		
13	4" Plug Valve	EA	1		
14	6" Plug Valve	EA	3		
15	6" PVC Force Main (including fittings)	LF	272		
16	12" PVC Force Main (including fittings)	LF	1,811		
17	Connect to Existing Force Main	EA	4		
<b>PUMP STATION</b>					
18	Submersible Pumps (including concrete pedestals)	EA	3		
19	Pump Station (including concrete slab and all above grade piping and fittings between the flange at the tank and the Flow Meter)	LS	1		
20	8" Mag Flow Meter Assembly	LS	1		
<b>INFLUENT STRUCTURE</b>					
21	Influent Structure (including concrete pedestal, stainless steel channel, mechanical bar screen, manual bar screen, sluice gates, and above grade piping and fittings)	LS	1		
22	Grating, Stairways, and Handrails	LS	1		
23	Dumpster	EA	1		
<b>SURGE TANK</b>					
24	50' ID Surge Tank (including tank slab, platform, railing)	LS	1		
25	Submersible Mixers	EA	2		
<b>OPERATIONS BUILDING</b>					
26	Operations Building (including building MEP and lift station)	LS	1		
<b>ELECTRICAL</b>					
27	Electrical	LS	1		
28	Generator (including fuel tank and concrete slab)	LS	1		
29	Instrumentation and Controls	LS	1		
<b>GRAND TOTAL</b>				\$	

Tank Manufacturer: ALSTOR - 3116 SS

Pump Manufacturer: FLYGT

Submersible Mixer Manufacturer: FLYGT

1.05 Miscellaneous Requirements and Affirmations

- A. Proposals (Bids) must be on the Bid Form.
- B. I have attached the following required fully executed forms to this Bid:
  - a. Bid Security complying with the requirements of the Bidding Documents.
  - b. Trench Safety Statement - Section 00430

1.06 RESPECTFULLY SUBMITTED, signed and sealed this 9<sup>th</sup> day of JANUARY, 2017.

FLORIDA ENVIRONMENTAL CONSTRUCTION, INC  
Contractor

[Signature] 1-9-17  
By (Signature) Date

ROBERT LIGHTSEY - PRESIDENT  
Printed Name and Title

PO Box 305  
Business Address

HOWEY IN THE HILLS, FL 34737  
City State Zip Code

407-402-2828 352-241-9716  
Telephone No. Facsimile No.

feckaren@embargmail.com  
E-Mail Address



(CORPORATE SEAL)

ATTEST:

[Signature] 1-9-17  
By (Signature) Date

KAREN LIGHTSEY - VICE PRESIDENT  
Printed Name and Title

END OF SECTION

Prepared by:



SCHEDULE OF VALUES FOR DES PINAR MASTER PUMP STATION/UTILITIES INC. OF FLORIDA					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>GENERAL</b>					
1	Mobilization/General Conditions	LS	1	\$ 350,000.00	\$ 350,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 12,100.00	\$ 12,100.00
3	Construction Testing	LS	1	\$ 10,000.00	\$ 10,000.00
<b>SITE WORK</b>					
4	Landscaping	LS	1	\$ 30,000.00	\$ 30,000.00
5	Concrete Drive	CY	100	\$ 70.00	\$ 7,000.00
6	Asphalt Drive	SY	181	\$ 150.00	\$ 27,150.00
7	Mill and Resurface Asphalt	SY	795	\$ 45.00	\$ 35,775.00
8	Bollards	EA	17	\$ 600.00	\$ 10,200.00
9	Pipe Supports	EA	18	\$ 300.00	\$ 5,400.00
<b>DEMOLITION</b>					
6	Demolition	LS	1	\$ 148,000.00	\$ 148,000.00
<b>SITE PIPING</b>					
7	1" Water Service Line	LF	65	\$ 17.00	\$ 1,105.00
8	2" Water Service Line	LF	570	\$ 25.00	\$ 14,250.00
9	8" Water Service Line	LF	302	\$ 30.00	\$ 9,060.00
10	2" Backflow Preventer and Meter	EA	1	\$ 7,000.00	\$ 7,000.00
11	Hydrant Assembly	EA	1	\$ 6,000.00	\$ 6,000.00
12	Connect to Existing Water Main	EA	1	\$ 6,850.00	\$ 6,850.00
13	4" Plug Valve	EA	1	\$ 2,480.00	\$ 2,480.00
14	6" Plug Valve	EA	3	\$ 3,375.00	\$ 10,125.00
15	6" PVC Force Main (including fittings)	LF	272	\$ 45.00	\$ 12,240.00
16	12" PVC Force Main (including fittings)	LF	1,811	\$ 55.00	\$ 99,605.00
17	Connect to Existing Force Main	EA	4	\$ 9,016.00	\$ 36,064.00
<b>PUMP STATION</b>					
18	Submersible Pumps (including concrete pedestals)	EA	3	\$ 3,350.00	\$ 10,050.00
19	Pump Station (including concrete slab and all above grade piping and fittings between the flange at the tank and the Flow Meter)	LS	1	\$ 118,650.00	\$ 118,650.00
20	8" Mag Flow Meter Assembly	LS	1	\$ 14,890.00	\$ 14,890.00
<b>INFLUENT STRUCTURE</b>					
21	Influent Structure (including concrete pedestal, stainless steel channel, mechanical bar screen, manual bar screen, sluice gates, and above grade piping and fittings)	LS	1	\$ 585,700.00	\$ 585,700.00
22	Grating, Stairways, and Handrails	LS	1	\$ 73,650.00	\$ 73,650.00
23	Dumpster	EA	1	\$ 2,500.00	\$ 2,500.00
<b>SURGE TANK</b>					
24	50' ID Surge Tank (including tank slab, platform, railing)	LS	1	\$ 338,605.00	\$ 338,605.00
25	Submersible Mixers	EA	2	\$ 52,500.00	\$ 105,000.00
<b>OPERATIONS BUILDING</b>					
26	Operations Building (including building MEP and lift station)	LS	1	\$ 519,980.00	\$ 519,980.00
<b>ELECTRICAL</b>					
27	Electrical	LS	1	\$ 365,000.00	\$ 365,000.00
28	Generator (including fuel tank and concrete slab)	LS	1	\$ 101,400.00	\$ 101,400.00
29	Instrumentation and Controls	LS	1		\$ 250,000.00
<b>GRAND TOTAL</b>					\$ 3,325,829.00

**SHADOW HILLS  
LONGWOOD INTERCONNECT - BASE BID  
BID COMPILATION**

ITEM	DESCRIPTION	QUANTITY		ECO-2000		Traverse		Central Florida Tapping	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 98,860.00	98,860.00	75,000.00	75,000.00	81,860.00	81,860.00
2	Project Closeout/Record Drawings	LS	1	\$ 37,900.00	37,900.00	19,500.00	19,500.00	23,540.00	23,540.00
3	Construction Testing	LS	1	\$ 3,300.00	3,300.00	7,500.00	7,500.00	4,750.00	4,750.00
4	2.5" C-900 PVC Force Main (Open Cut)	LF	210	\$ 26.00	5,460.00	35.00	7,350.00	28.00	5,880.00
5	4" C-900 PVC Force Main (Open Cut)	LF	10	\$ 38.00	380.00	45.75	457.50	42.00	420.00
6	8" DR-11 HDPE Force Main (Directional Drill)	LF	61	\$ 188.00	11,468.00	198.00	12,078.00	205.00	12,505.00
7	12" C-900 PVC Force Main (Open Cut)	LF	5,609	\$ 106.00	594,554.00	120.00	673,080.00	101.00	566,509.00
8	12" DR-11 HDPE Force Main (Directional Drill)	LF	1,180	\$ 167.00	197,060.00	157.00	185,260.00	160.00	188,800.00
9	4" Plug Valve	EA	2	\$ 1,360.00	2,720.00	1,575.00	3,150.00	1,275.00	2,550.00
10	8" Insert Valve	EA	3	\$ 9,500.00	28,500.00	12,500.00	37,500.00	10,035.00	30,105.00
11	10" Plug Valve	EA	1	\$ 5,400.00	5,400.00	7,500.00	7,500.00	6,155.00	6,155.00
12	12" Plug Valve	EA	7	\$ 6,250.00	43,750.00	9,500.00	66,500.00	6,650.00	46,550.00
13	2" ARV Type 2	EA	8	\$ 10,500.00	84,000.00	10,500.00	84,000.00	12,670.00	101,360.00
14	Existing Force Main Connections	EA	6	\$ 6,800.00	40,800.00	6,500.00	39,000.00	5,315.00	31,890.00
15	Concrete Driveway Repair	SY	660	\$ 150.00	99,000.00	200.00	132,000.00	163.00	107,580.00
16	Sidewalk Repair	SY	1,870	\$ 115.00	215,011.67	120.00	224,360.00	113.00	211,272.33
16	Mill and Resurface Road	SF	3,257	\$ 4.60	14,982.20	5.75	18,727.75	5.00	16,285.00
17	Permit Fees	LS	1	\$ 5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
<b>TOTAL LUMP SUM BASE BID</b>					<b>1,488,145.87</b>		<b>1,597,963.25</b>		<b>1,443,011.33</b>



P.O. Box 521279  
 Longwood, FL 32752-1279  
 Phone: 407-834-8271  
 Fax: 407-834-3859

CU C055705  
 CB C045652  
 CONT. V 13942900011997

December 22, 2016

Nicole Quinby, P.E.  
 Kimley Horn  
 3660 Maguire Blvd., Suite 200  
 Orlando, Fl. 32803

**Re: Longwood Force Main Interconnect Addendum No. 1**

Ms. Quinby,

We propose the following,

SCHEDULE OF VALUES FOR LONGWOOD FORCE MAIN INTERCONNECT/UTILITIES INC. OF FLORIDA					
ITEM	DESCRIPTION	UNIT	QUANTIT	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 81,860.00	\$ 81,860.00
2	Project Closeout/Record Drawings	LS	1	\$ 23,540.00	\$ 23,540.00
3	Construction Testing	LS	1	\$ 4,750.00	\$ 4,750.00
4	2.5" C-900 PVC Force Main (Open Cut)	LF	210	\$ 28.00	\$ 5,880.00
5	4" C-900 PVC Force Main (Open Cut)	LF	10	\$ 42.00	\$ 420.00
6	8" DR-11 HDPE Force Main (Directional Drill)	LF	61	\$ 205.00	\$ 12,505.00
7	12" C-900 PVC Force Main (Open Cut)	LF	5,609	\$ 101.00	\$ 566,509.00
8	12" DR-11 HDPE Force Main (Directional Drill)	LF	1,180	\$ 160.00	\$ 188,800.00
9	4" Plug Valve	EA	2	\$ 1,275.00	\$ 2,550.00
10	8" Insert Valve	EA	3	\$ 10,035.00	\$ 30,105.00
11	10" Plug Valve	EA	1	\$ 6,155.00	\$ 6,155.00
12	12" Plug Valve	EA	7	\$ 6,650.00	\$ 46,550.00
13	2" ARV Type 2	EA	8	\$ 12,670.00	\$ 101,360.00
14	Existing Force Main Connections	EA	6	\$ 5,315.00	\$ 31,890.00
15	Concrete Driveway Repair	SY	660	\$ 163.00	\$ 107,580.00
16	Sidewalk Repair	SY	1,870	\$ 113.00	\$ 211,310.00
16	Mill and Resurface Road	SF	3,257	\$ 5.00	\$ 16,285.00
17	Permit Fees	LS	1	\$5,000	\$5,000
<b>GRAND TOTAL</b>					<b>\$ 1,443,049.00</b>

If you have any questions please call.

Sincerely,

Rick Bullington

Prepared by:



SCHEDULE OF VALUES FOR LONGWOOD FORCE MAIN INTERCONNECT/UTILITIES INC. OF FLORIDA					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 98,860.00	\$ 98,860.00
2	Project Closeout/Record Drawings	LS	1	\$ 37,900.00	\$ 37,900.00
3	Construction Testing	LS	1	\$ 3,300.00	\$ 3,300.00
4	2.5" C-900 PVC Force Main (Open Cut)	LF	210	\$ 26.00	\$ 5,460.00
5	4" C-900 PVC Force Main (Open Cut)	LF	10	\$ 38.00	\$ 380.00
6	8" DR-11 HDPE Force Main (Directional Drill)	LF	61	\$ 188.00	\$ 11,468.00
7	12" C-900 PVC Force Main (Open Cut)	LF	5,609	\$ 106.00	\$ 594,554.00
8	12" DR-11 HDPE Force Main (Directional Drill)	LF	1,180	\$ 167.00	\$ 197,060.00
9	4" Plug Valve	EA	2	\$ 1,360.00	\$ 2,720.00
10	8" Insert Valve	EA	3	\$ 9,500.00	\$ 28,500.00
11	10" Plug Valve	EA	1	\$ 5,400.00	\$ 5,400.00
12	12" Plug Valve	EA	7	\$ 6,250.00	\$ 43,750.00
13	2" ARV Type 2	EA	8	\$ 10,500.00	\$ 84,000.00
14	Existing Force Main Connections	EA	6	\$ 6,800.00	\$ 40,800.00
15	Concrete Driveway Repair	SY	660	\$ 150.00	\$ 99,000.00
16	Sidewalk Repair	SY	1,870	\$ 115.00	\$ 215,011.67
16	Mill and Resurface Road	SF	3,257	\$ 4.60	\$ 14,982.20
17	Permit Fees	LS	1	\$5,000	\$5,000
<b>GRAND TOTAL</b>					<b>\$ 1,468,163.67</b>

Prepared by:



SCHEDULE OF VALUES FOR LONGWOOD FORCE MAIN INTERCONNECT/UTILITIES INC. OF FLORIDA					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 75,000.00	\$ 75,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 19,500.00	\$ 19,500.00
3	Construction Testing	LS	1	\$ 7,500.00	\$ 7,500.00
4	2.5" C-900 PVC Force Main (Open Cut)	LF	210	\$ 35.00	\$ 7,350.00
5	4" C-900 PVC Force Main (Open Cut)	LF	10	\$ 45.75	\$ 457.50
6	8" DR-11 HDPE Force Main (Directional Drill)	LF	61	\$ 198.00	\$ 12,078.00
7	12" C-900 PVC Force Main (Open Cut)	LF	5,609	\$ 120.00	\$ 673,080.00
8	12" DR-11 HDPE Force Main (Directional Drill)	LF	1,180	\$ 157.00	\$ 185,260.00
9	4" Plug Valve	EA	2	\$ 1,575.00	\$ 3,150.00
10	8" Insert Valve	EA	3	\$ 12,500.00	\$ 37,500.00
11	10" Plug Valve	EA	1	\$ 7,500.00	\$ 7,500.00
12	12" Plug Valve	EA	7	\$ 9,500.00	\$ 66,500.00
13	2" ARV Type 2	EA	8	\$ 10,500.00	\$ 84,000.00
14	Existing Force Main Connections	EA	6	\$ 6,500.00	\$ 39,000.00
15	Concrete Driveway Repair	SY	660	\$ 200.00	\$ 132,000.00
16	Sidewalk Repair	SY	1,870	\$ 120.00	\$ 224,360.00
16	Mill and Resurface Road	SF	3,257	\$ 5.75	\$ 18,727.75
17	Permit Fees	LS	1	\$5,000	\$5,000
<b>GRAND TOTAL</b>					\$ 1,574,235.50

Prepared by:



SHADOW HILLS									
SABAL PALM MASTER PUMP STATION/UTILITIES INC. OF FLORIDA									
BID COMPILATION									
ITEM #	DESCRIPTION	UNIT	QUANTITY	Engineers' OPCC		Boykin		Tri-Sure	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
<b>GENERAL</b>									
1	Mobilization/General Conditions	LS	1	\$ 200,000.00	\$ 200,000.00	\$ 330,225.00	\$ 330,225.00	\$ 300,000.00	\$ 300,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	\$ 15,000.00	\$ 20,000.00	\$ 20,000.00
3	Construction Testing	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	\$ 15,000.00
<b>SITE WORK</b>									
4	Maintenance of Traffic	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 10,500.00	\$ 10,500.00	\$ 25,000.00	\$ 25,000.00
5	Landscaping	LS	1	\$ 12,000.00	\$ 12,000.00	\$ 51,316.00	\$ 51,316.00	\$ 25,000.00	\$ 25,000.00
6	Roadway Repair	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 17,000.00	\$ 17,000.00	\$ 20,000.00	\$ 20,000.00
7	Curb and Gutter	LF	98	\$ 18.00	\$ 1,764.00	\$ 50.00	\$ 4,900.00	\$ 100.00	\$ 9,800.00
8	Site Dewatering	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 28,560.00	\$ 28,560.00	\$ 45,000.00	\$ 45,000.00
<b>DEMOLITION</b>									
9	Lift Station F2 Demolition	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 100,000.00	\$ 100,000.00	\$ 60,000.00	\$ 60,000.00
10	Sidewalk/Cart Path Demolition	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 12,500.00	\$ 12,500.00	\$ 30,000.00	\$ 30,000.00
11	6" FM Removal and Disposal	LF	434	\$ 100.00	\$ 43,400.00	\$ 111.00	\$ 48,174.00	\$ 10.00	\$ 4,340.00
12	Grout and Abandon 6" FM	LF	44	\$ 50.00	\$ 2,200.00	\$ 485.00	\$ 21,340.00	\$ 200.00	\$ 8,800.00
13	Grout and Abandon 12" FM	LF	140	\$ 75.00	\$ 10,500.00	\$ 515.00	\$ 72,100.00	\$ 200.00	\$ 28,000.00
14	12" FM Removal and Disposal	LF	1,137	\$ 100.00	\$ 113,700.00	\$ 150.00	\$ 170,550.00	\$ 10.00	\$ 11,370.00
<b>SITE PIPING</b>									
15	1" Water Service Line	LF	322	\$ 25.00	\$ 8,050.00	\$ 5.75	\$ 1,851.50	\$ 10.00	\$ 3,220.00
16	Connect to Existing Water Main	EA	1	\$ 2,000.00	\$ 2,000.00	\$ 357.00	\$ 357.00	\$ 750.00	\$ 750.00
17	6" Plug Valve	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 1,397.54	\$ 1,397.54	\$ 1,500.00	\$ 1,500.00
18	6" PVC Force Main (via Open Cut)	LF	200	\$ 40.00	\$ 8,000.00	\$ 32.44	\$ 6,488.00	\$ 25.00	\$ 5,000.00
19	12" Plug Valve	EA	1	\$ 7,500.00	\$ 7,500.00	\$ 3,867.00	\$ 3,867.00	\$ 4,000.00	\$ 4,000.00
20	12" PVC Force Main (via Open Cut)	LF	510	\$ 80.00	\$ 40,800.00	\$ 75.50	\$ 38,505.00	\$ 60.00	\$ 30,600.00
21	16" Plug Valve	EA	1	\$ 9,000.00	\$ 9,000.00	\$ 7,180.00	\$ 7,180.00	\$ 6,500.00	\$ 6,500.00
22	16" HDPE Force Main (via Horizontal Directional Drill)	LF	246	\$ 150.00	\$ 36,900.00	\$ 125.50	\$ 30,873.00	\$ 140.00	\$ 34,440.00
23	16" PVC Force Main (via Open Cut)	LF	300	\$ 100.00	\$ 30,000.00	\$ 89.25	\$ 26,775.00	\$ 100.00	\$ 30,000.00
24	15" PVC Gravity Sewer	LF	51	\$ 250.00	\$ 12,750.00	\$ 150.00	\$ 7,650.00	\$ 60.00	\$ 3,060.00
25	Manhole Assembly	EA	1	\$ 15,000.00	\$ 15,000.00	\$ 6,795.00	\$ 6,795.00	\$ 12,000.00	\$ 12,000.00
26	Connect to Existing Force Main	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 2,754.00	\$ 5,508.00	\$ 5,000.00	\$ 10,000.00
<b>F2 PUMP STATION</b>									
27	Bypass Operations	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 88,000.00	\$ 88,000.00	\$ 60,000.00	\$ 60,000.00
28	Wetwell Lid	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 9,894.00	\$ 9,894.00	\$ 15,000.00	\$ 15,000.00
29	Wetwell Liner	SF	653	\$ 150.00	\$ 97,950.00	\$ 50.00	\$ 32,650.00	\$ 75.00	\$ 48,975.00
30	4" Ductile Iron Pipe & Fittings	LF	44	\$ 30.00	\$ 1,320.00	\$ 125.00	\$ 5,500.00	\$ 200.00	\$ 8,800.00
31	Valve Vault (including 4" Valve Assembly)	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 7,800.00	\$ 7,800.00	\$ 15,000.00	\$ 15,000.00
32	Lift Station Pumps (including guide rails, base, etc.)	EA	2	\$ 15,000.00	\$ 30,000.00	\$ 22,950.00	\$ 45,900.00	\$ 30,000.00	\$ 60,000.00
<b>SABAL PALM MASTER PUMP STATION</b>									
33	Sabal Palm MPS Installation	LS	1	\$ 250,000.00	\$ 250,000.00	\$ 325,000.00	\$ 325,000.00	\$ 400,000.00	\$ 400,000.00
34	Wetwell Concrete	CY	70	\$ 500.00	\$ 35,000.00	\$ 1,000.00	\$ 70,000.00	\$ 500.00	\$ 35,000.00
35	Wetwell Lid	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 12,580.00	\$ 12,580.00	\$ 15,000.00	\$ 15,000.00
36	Wetwell Liner	SF	1,168	\$ 50.00	\$ 58,400.00	\$ 50.00	\$ 58,400.00	\$ 30.00	\$ 35,040.00
37	8" Pipe & Fittings	LF	50	\$ 150.00	\$ 7,500.00	\$ 500.00	\$ 25,000.00	\$ 300.00	\$ 15,000.00
38	8" Valve Assembly	LS	1	\$ 55,000.00	\$ 55,000.00	\$ 45,682.00	\$ 45,682.00	\$ 35,000.00	\$ 35,000.00
39	Lift Station Pumps (including guide rails, base, etc.)	EA	2	\$ 48,000.00	\$ 96,000.00	\$ 132,500.00	\$ 265,000.00	\$ 120,000.00	\$ 240,000.00
40	8" Mag Flow Meter Assembly	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 7,875.00	\$ 7,875.00	\$ 10,000.00	\$ 10,000.00
41	Lift Station Fencing	LF	160	\$ 30.00	\$ 4,800.00	\$ 40.00	\$ 6,400.00	\$ 50.00	\$ 8,000.00
42	Lift Station Driveway	SY	375	\$ 135.00	\$ 50,625.00	\$ 95.00	\$ 35,625.00	\$ 150.00	\$ 56,250.00
<b>ELECTRICAL</b>									
43	Electrical	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 217,000.00	\$ 217,000.00	\$ 244,000.00	\$ 244,000.00
44	Generator (including fuel tank and concrete slab)	LS	1	\$ 125,000.00	\$ 125,000.00	\$ 102,000.00	\$ 102,000.00	\$ 125,000.00	\$ 125,000.00
45	Instrumentation and Controls	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 68,715.00	\$ 68,715.00	\$ 75,000.00	\$ 75,000.00
				<b>TOTAL BASE BID</b>		\$ 1,925,159.00	\$ 2,473,433.04	\$ 2,244,445.00	\$ 2,244,445.00

Job Name: Sabal Palm Master Pump Station

Company: Kimley-Horn

Attention: Nicole Quinby

Job #

Date: 1/11/2017

# BOYKIN CONSTRUCTION

116 W. Center Street \* PO Box 38

Minneola, Florida 34755

[www.BoykinConstruction.com](http://www.BoykinConstruction.com)

(352) 394-5993 phone (352) 394-8456 fax



## General Conditions

	Description	Units	Quantity	Unit Price	Subtotal	Notes
1	Mobilization/General Conditions	LS	1	\$ 330,225.00	\$ 330,225.00	
<b>SITE WORK</b>						
4	Maintenance of Traffic	LS	1	\$ 10,500.00	\$ 10,500.00	
5	Landscaping	LS	1	\$ 51,316.00	\$ 51,316.00	
7	Curb and Gutter	LF	98	\$ 50.00	\$ 4,900.00	
10	Sidewalk/Cart Path Demolition	LS	1	\$ 12,500.00	\$ 12,500.00	
15	1" Water Service Line	LF	322	\$ 5.75	\$ 1,851.50	
16	Connect to Existing Water Main	EA	1	\$ 357.00	\$ 357.00	
17	6" Plug Valve	EA	1	\$ 1,397.54	\$ 1,397.54	
18	6" PVC Force Main (via Open Cut)	LF	200	\$ 32.44	\$ 6,488.00	
19	12" Plug Valve	EA	1	\$ 3,867.00	\$ 3,867.00	
20	12" PVC Force Main (via Open Cut)	LF	510	\$ 75.50	\$ 38,505.00	
21	16" Plug Valve	EA	1	\$ 7,180.00	\$ 7,180.00	
24	15" PVC Gravity Sewer	LF	51	\$ 150.00	\$ 7,650.00	
25	Manhole Assembly	EA	1	\$ 6,795.00	\$ 6,795.00	
26	Connect to Existing Force Main	EA	2	\$ 2,754.00	\$ 5,508.00	
27	Bypass Operations	LS	1	\$ 88,000.00	\$ 88,000.00	
28	Wetwell Lid	EA	1	\$ 9,894.00	\$ 9,894.00	
31	Valve Vault (including 4" Valve Assembly)	LS	1	\$ 7,800.00	\$ 7,800.00	
32	Lift Station Pumps (including guide rails, base, etc.)	EA	2	\$ 22,950.00	\$ 45,900.00	
34	Wetwell Concrete	CY	70	\$ 1,000.00	\$ 70,000.00	
35	Wetwell Lid	EA	1	\$ 12,580.00	\$ 12,580.00	
38	8" Valve Assembly	LS	1	\$ 45,682.00	\$ 45,682.00	
39	Lift Station Pumps (including guide rails, base, etc.)	EA	2	\$ 132,500.00	\$ 265,000.00	
40	8" Mag Flow Meter Assembly	LS	1	\$ 7,875.00	\$ 7,875.00	
41	Lift Station Fencing	LF	160	\$ 40.00	\$ 6,400.00	
42	Lift Station Driveway	SY	375	\$ 95.00	\$ 35,625.00	
<b>ELECTRICAL</b>						
43	Electrical	LS	1	\$ 217,000.00	\$ 217,000.00	
44	Generator (including fuel tank and concrete slab)	LS	1	\$ 102,000.00	\$ 102,000.00	
45	Instrumentation and Controls	LS	1	\$ 68,715.00	\$ 68,715.00	
<b>GRAND TOTAL</b>					\$ 2,473,433.04	

This proposal is subject to acceptance within 30 days and is void thereafter at the option of the undersigned

\*\* Exclusions: All permits unless noted above. Centerline control & benchmark by others, removal/disposal of hazardous materials/unsuitable are not included, relocating of conflicting utilities by others, water meters by others, exclude all seawall/retaining wall by others. Asbestos removal not included, no wells.

Signature: \_\_\_\_\_

### Acceptance of Proposal

The above prices and conditions are hereby accepted. You are authorized to do the work as specified.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Prepared by:



SCHEDULE OF VALUES FOR SABAL PALM MASTER PUMP STATION/UTILITIES INC. OF FLORIDA					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
<b>GENERAL</b>					
1	Mobilization/General Conditions	LS	1	\$ 300,000.00	\$ 300,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 20,000.00	\$ 20,000.00
3	Construction Testing	LS	1	\$ 15,000.00	\$ 15,000.00
<b>SITE WORK</b>					
4	Maintenance of Traffic	LS	1	\$ 25,000.00	\$ 25,000.00
5	Landscaping	LS	1	\$ 25,000.00	\$ 25,000.00
6	Roadway Repair	LS	1	\$ 20,000.00	\$ 20,000.00
7	Curb and Gutter	LF	98	\$ 100.00	\$ 9,800.00
8	Site Dewatering	LS	1	\$ 45,000.00	\$ 45,000.00
<b>DEMOLITION</b>					
9	Lift Station F2 Demolition	LS	1	\$ 60,000.00	\$ 60,000.00
10	Sidewalk/Cart Path Demolition	LS	1	\$ 30,000.00	\$ 30,000.00
11	6" FM Removal and Disposal	LF	434	\$ 10.00	\$ 4,340.00
12	Grout and Abandon 6" FM	LF	44	\$ 200.00	\$ 8,800.00
13	Grout and Abandon 12" FM	LF	140	\$ 200.00	\$ 28,000.00
14	12" FM Removal and Disposal	LF	1,137	\$ 10.00	\$ 11,370.00
<b>SITE PIPING</b>					
15	1" Water Service Line	LF	322	\$ 10.00	\$ 3,220.00
16	Connect to Existing Water Main	EA	1	\$ 750.00	\$ 750.00
17	6" Plug Valve	EA	1	\$ 1,500.00	\$ 1,500.00
18	6" PVC Force Main (via Open Cut)	LF	200	\$ 25.00	\$ 5,000.00
19	12" Plug Valve	EA	1	\$ 4,000.00	\$ 4,000.00
20	12" PVC Force Main (via Open Cut)	LF	510	\$ 60.00	\$ 30,600.00
21	16" Plug Valve	EA	1	\$ 6,500.00	\$ 6,500.00
22	16" HDPE Force Main (via Horizontal Directional Drill)	LF	246	\$ 140.00	\$ 34,440.00
23	16" PVC Force Main (via Open Cut)	LF	300	\$ 100.00	\$ 30,000.00
24	15" PVC Gravity Sewer	LF	51	\$ 60.00	\$ 3,060.00
25	Manhole Assembly	EA	1	\$ 12,000.00	\$ 12,000.00
26	Connect to Existing Force Main	EA	2	\$ 5,000.00	\$ 10,000.00
<b>F2 PUMP STATION</b>					
27	Bypass Operations	LS	1	\$ 60,000.00	\$ 60,000.00
28	Wetwell Lid	EA	1	\$ 15,000.00	\$ 15,000.00
29	Wetwell Liner	SF	653	\$ 75.00	\$ 48,975.00
30	4" Ductile Iron Pipe & Fittings	LF	44	\$ 200.00	\$ 8,800.00
31	Valve Vault (including 4" Valve Assembly)	LS	1	\$ 15,000.00	\$ 15,000.00
32	Lift Station Pumps (including guide rails, base, etc.)	EA	2	\$ 30,000.00	\$ 60,000.00
<b>SABAL PALM MASTER PUMP STATION</b>					
33	Sabal Palm MPS Installation	LS	1	\$ 400,000.00	\$ 400,000.00
34	Wetwell Concrete	CY	70	\$ 500.00	\$ 35,000.00
35	Wetwell Lid	EA	1	\$ 15,000.00	\$ 15,000.00
36	Wetwell Liner	SF	1,168	\$ 30.00	\$ 35,040.00
37	8" Stainless Steel Pipe & Fittings	LF	50	\$ 300.00	\$ 15,000.00
38	8" Valve Assembly	LS	1	\$ 35,000.00	\$ 35,000.00
39	Lift Station Pumps (including guide rails, base, etc.)	EA	2	\$ 120,000.00	\$ 240,000.00
40	8" Mag Flow Meter Assembly	LS	1	\$ 10,000.00	\$ 10,000.00
41	Lift Station Fencing	LF	160	\$ 50.00	\$ 8,000.00
42	Lift Station Driveway	SY	375	\$ 150.00	\$ 56,250.00
<b>ELECTRICAL</b>					
43	Electrical	LS	1	\$ 244,000.00	\$ 244,000.00
44	Generator (including fuel tank and concrete slab)	LS	1	\$ 125,000.00	\$ 125,000.00
45	Instrumentation and Controls	LS	1	\$ 75,000.00	\$ 75,000.00
<b>GRAND TOTAL</b>					\$ 2,244,445.00

*If bond is required please add 3%*



# WASTE WATER TREATMENT PLANT DECOMMISSIONING & DEMOLITION



SITE VISIT: 1-16-17

**JANUARY 18 ,2017**

## DEMOLITION PROPOSAL

**PROJECT NAME:** SHADOW HILL WASTE WATER TREATMENT PLANT  
**PROJECT LOCATION:** 925 LINCOLNWOOD LANE LONGWOOD, FL.  
**CLIENT NAME:** UTILITIES INC. of FLORIDA  
**CLIENT ADDRESS:** 200 WEATHERSFIELD AVE. ALTAMONTE SPRINGS, FL.  
**CONTACT NAME:** SCOTT R. GOSNELL  
**PHONE NUMBER:** 407-682-5651  
**CELL:**  
**FAX:** 407-682-5713  
**EMAIL:** [SGOSNELL@UIWATER.COM](mailto:SGOSNELL@UIWATER.COM)  
**BID PROPOSAL** #17-131

CENTRAL ENVIRONMENTAL SERVICES, INC. (C.E.S., INC.) HEREBY PROPOSES AND AGREES TO FURNISH ALL NECESSARY INSURANCE, LABOR, MATERIALS, EQUIPMENT, MACHINERY, TOOLS AND SAFETY GEAR REQUIRED TO PERFORM THE FOLLOWING SCOPE OF WORK IN ACCORDANCE WITH SPECIFICATIONS SUPPLIED AND REVIEWED. ALL WORK WILL BE IN ACCORDANCE OR EXCEEDING THE REGULATIONS BY LOCAL, STATE AND FEDERAL AUTHORITIES, IN COMPLIANCE WITH REGULATIONS WITH EPA / DEP / AND FOLLOWING OR EXCEEDING OSHA RULES AND ALL SAFETY REGULATIONS.



**CENTRAL ENVIRONMENTAL SERVICES, INC.**

2722 APOPKA BLVD., APOPKA, FL 32703  
(O) 407.295.7005 (F) 407.295-7004

Web Site: [www.centralenvironmental.com](http://www.centralenvironmental.com)





**SCOPE OF WORK:**

1. THIS PROPERTY WILL NEED AN UPDATED NESHAP ASBESTOS SURVEY FOR EACH STRUCTURE TO DETERMINE IF REGULATED ASBESTOS CONTAINING MATERIAL'S ARE PRESENT AND HOW WE ARE GOING TO DEAL WITH THE RESULTS. ALSO WHEN WE FILE THE 10 WORKING DAY EPA NOTIFICATION, WE MUST SEND A COPY OF THE ASBESTOS SURVEY TO THE EPA ALONG WITH THE NOTICE. PERMITTING BY OWNER OR GENERAL CONTRACTOR.
2. AFTER PROPER DEMOLITION PERMITS ARE IN PLACE. FILE SUNSHINE UTILITY LOCATE FOR LOCATION NUMBER. VERIFY THAT ALL UTILITIES HAVE BEEN PROPERLY LOCATED AND MARKED, ASSIST UTILITIES TO TERMINATE , VERIFY SAFE OFF OF ALL UTILITIES., DOCUMENT AND READY BUILDING FOR DEMOLITION SCOPE OF WORK . PROVIDE CLIENT WITH A SITE SPECIFIC SAFETY PLAN , PROVIDE A REQUIRED OSHA ENGINEERING STUDY, DEMOLITION PLAN, POST CONSTRUCTION / DEMOLITION WARNING SIGNS. NOTIFY ALL OTHER SURROUNDING PROPERTIES OF UP COMING DEMOLITION. PREPARE A SCHEDULE OF VALUES FOR CLIENT. DEMOLITION CONTRACTOR TO INSTALL SAFETY BARRIERS FOR BUSINESS ACCESS. EGRESS & INGRESS TRUCKING ROUTES. PURCHASE AND INSTALL EROSION CONTROL MEASURES, ( SILT FENCING ) APPROX. 500 LN. FT.
3. DEMOLITION CONTRACTOR TO REMOVE ANY EXISTING HAZMAT MATERIALS FROM STRUCTURES IF ANY EXIST. HAZMAT MATERIAL FOUND MUST BE PROPERLY DISPOSED OF PRIOR TO DEMOLITION ACTIVITIES.
4. DEMOLISH AND COMPLETELY REMOVE THE EXISTING WASTE WATER TREATMENT PLANT USING THE " WET DEMOLITION METHOD " INCLUDING ALL BUILDINGS, OFFICE TRAILER, BLOCK PUMP STATION, SHEDS, CONCRETE SLABS, FOUNDATIONS, FOOTERS, 2- ROUND LARGE OPEN STEEL TANKS, 2- IN GROUND TANKS AND EQUIPMENT WITH CAT WALKS , ALL PIPING, VALVES, FITTINGS, ABOVE AND BELOW GROUND. MAKING NECESSARY CUTS WHEN NEEDED. REMOVE IN GROUND CONCRETE SETTLING BEDS, ALL LADDERS, STAIRS, WALKWAYS, GENERATOR PAD, CONCRETE SLABS, FOUNDATIONS, FOOTERS, TO THE DIRT. ANY POLES
5. HAUL ALL DEMOLITION DEBRIS OFF SITE TO AN APPROVED LANDFILL OR RECYCLING CENTER FOR PROPER DISPOSAL.
6. LEAVE SITE FREE OF DEBRIS AND ROUGH RE-GRADED ALL AREAS TO THE EXISTING SURROUNDING GRADES. (NO CLEAN FILL INCLUDED ) BUT WE CAN IMPORT CLEAN FILL IF REQUESTED.

<p>EXCLUSIONS:</p> <ul style="list-style-type: none"> <li>• ASBESTOS SURVEY/ ABATEMENT</li> <li>• CLEAN FILL DIRT</li> <li>• PERMITTING</li> <li>• RADIO TOWER</li> </ul>
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**We propose to do the before mentioned project for the contract sum of:**

TWENTY-NINE THOUSAND SEVEN HUNDRED FIFTY & NO/100... Dollars

**\$29,750.00**

**PAYMENT TERMS 50 % DEPOSIT BALANCE : C.O.D.** UPON COMPLETION OF CONTRACTED WORK AND THE FINAL INSPECTION. NO RETAINAGE IS TO BE HELD AS PART OF THIS AGREEMENT. ( UNLESS PAYMENT TERMS ARE NEGOTIATED PRIOR TO CONTRACT AWARD ) THIS PROJECT HAS BEEN BID FOR 100% SALVAGE RIGHTS TO DEMOLITION CONTRACTOR. ALL PORTIONS OF THIS PROPOSAL ARE NEGOTIABLE.

ANY LATENT/ HIDDEN CONDITIONS, ALTERATIONS OR DEVIATIONS FROM ABOVE SPECIFICATIONS INVOLVING EXTRA COSTS WILL BE EXECUTED ONLY UPON WRITTEN ORDER, AND WILL BECOME AN EXTRA CHARGE OVER AND ABOVE THE ESTIMATE. ALL AGREEMENTS ARE CONTINGENT UPON STRIKES, ACCIDENTS, OR DELAYS BEYOND OUR CONTROL. OUR PROPOSAL IS BASED ON CARRYING OUT THE WORK IN A CONTINUOUS, UNOBSTRUCTED MANNER DURING REGULAR WORKING HOURS. SHOULD OUR WORK BE DELAYED OR INTERRUPTED FOR ANY REASON BEYOND OUR CONTROL, WE WILL BE COMPENSATED FOR STANDBY OF THE CREW AND EQUIPMENT. **THIS PROPOSAL AND PRICING WILL IS VALID FOR 30 DAYS AFTER THE DATE OF PROPOSAL.**

Accepted by: \_\_\_\_\_ Printed: \_\_\_\_\_ Date: \_\_\_\_\_

*Richard J. Lorenz* C.E.O./ President

2722 Apopka Blvd., Apopka, FL 32703,

P: 407-295-7005, F: 407-295-7004, C: 407-509-3196, [Ri-demoace@usa.net](mailto:Ri-demoace@usa.net)



**CENTRAL ENVIRONMENTAL SERVICES, INC.**

2722 APOPKA BLVD., APOPKA, FL 32703  
(O) 407.295.7005 (F) 407.295-7004

Web Site: [www.centralenvironmental.com](http://www.centralenvironmental.com)



BILL BAHLER

**THOMPSON ELECTRIC, LLC**

PO BOX 2531 INVERNESS, FL 34451

CELL: (407) 947-9499 ▲ PHONE: (352) 637-0702 ▲ FAX: (352) 637-0702

Email: [bill.bahler@thompsolecfl.com](mailto:bill.bahler@thompsolecfl.com)

**PROPOSAL**

No. P702-0117

January 20, 2017

Utilities Inc. of Longwood  
200 Weathersfield Ave.  
Altamonte Springs, FL 32714  
Attn: Scott Gosnell

**Re: Shadow Hills Wastewater Facility, 925 Lincolnwood Lane, Longwood, FL, Disconnect Power to the Wastewater Facility for Demolition**

Dear Scott Gosnell,

Thompson Electric, LLC is pleased to offer the following proposal for your review and consideration for electrical services in cooperation with Duke Energy of Florida. This will facilitate the disconnection of three separate electrical services at the Shadow Hills Wastewater Treatment Facility providing air gap separation and isolation of electrical conductors and equipment.

1. Provide electrical services to disconnect the power company 480 V three phase secondary conductors from the underground electrical service conductors feeding the main service electrical equipment for the wastewater treatment plant.
2. Provide electrical services to disconnect the power company 120/240 V single phase secondary conductors that feed the underground electrical service to the office trailer.
3. Provide disconnection of power company overhead service drop to the wastewater treatment plant site lighting.

**Thompson Electric, LLC Services - \$600.00**

This proposal may be withdrawn by us if not accepted within 30 days.

Respectfully submitted,



William P. Bahler  
Project Manager

WPB

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**Acceptance of Proposal** – By signing below, you hereby agree that the above prices, specifications, and conditions are satisfactory and are hereby accepted. Thompson Electric, LLC is authorized to perform the work as outlined above. Payment will be made to Thompson Electric, LLC when the work has been completed.

Client Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Purchase Order No.: \_\_\_\_\_

## AUTHORIZATION TO PROCEED CONSTRUCTION MATERIALS ENGINEERING AND TESTING SERVICES

This **AUTHORIZATION TO PROCEED** ("Authorization") is between Utilities, Inc. of Florida ("Client") and Terracon Consultants, Inc. ("Consultant") for Services to be provided by Consultant for Client on the Longwood Wastewater Treatment Plant Project.

**Scope of Services.** The scope of Consultant's services is set forth below ("Services"). If frequency of testing is not specified below, it shall be as requested by Client; Scheduling will be done by Client or contractor if Client so designates. Consultant will not be responsible for tests not performed due to a failure to schedule Consultant's services or any resulting effect on construction.

Properly abandon monitoring wells MW-1 (21.5'), MW-2 (17'), MW-3 (18.5'), MW-4 (21'), MW-1BR (40'), MW-2BR (38'), MW-3A (13'), MW-3B (48'), MW-4A (23'), MW-4B (38'), MW-5 (18') comprising a total of 296 linear feet. The wells are 2" diameter, and do not have bollards or flush/aboveground protectors and are not artesian.

**Compensation.** Unless different rates are specified below, all charges will be billed on a time and materials basis pursuant to Consultant's Standard Fee Schedule. The construction schedule, weather conditions, construction workmanship, etc. will determine the actual cost of Consultant's Services. If the actual quantities exceed any estimated quantities at the request of the Client or its designated contractor, additional fees will be billed in accordance with the fee schedule below.

**\$5,436.00 Lump Sum**

### TERMS AND CONDITIONS

- 1. Testing and Observations.** Client understands that testing, inspection, and observation are discrete sampling procedures, and that such procedures indicate conditions only at the depths, locations, and times the procedures were performed. Consultant will provide test results and opinions based on tests and field observations only for the work tested. Client understands that testing and observation are not continuous or exhaustive, and are conducted to reduce - not eliminate - project risk. Client agrees to the level or amount of testing performed and the associated risk. Client is responsible (even if delegated to contractor) for notifying and scheduling Consultant so Consultant can perform these Services. Consultant shall not be responsible for the quality and completeness of Client's contractor's work or their adherence to the project documents, and Consultant's performance of testing, inspection, and observation services shall not relieve Client's contractor in any way from its responsibility for defects discovered in its work, or create a warranty or guarantee. Consultant will not supervise or direct the work performed by Client's contractor or its subcontractors and is not responsible for their means and methods.
- 2. Warranty.** Consultant will perform the Services in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. EXCEPT FOR THE STANDARD OF CARE PREVIOUSLY STATED, CONSULTANT MAKES NO WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, RELATING TO CONSULTANT'S SERVICES AND CONSULTANT DISCLAIMS ANY IMPLIED WARRANTIES OR WARRANTIES IMPOSED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**By signing this Authorization or ordering the commencement of Services you are affirming that you are authorized to bind Client to the Terms and Conditions of this Authorization and have read and accepted the Terms and Conditions, including restrictions and limitations, as set forth on this page and the subsequent page of Additional Terms and Conditions.**

**PURSUANT TO SECTION 558.0035 OF FLORIDA STATUTES, AN INDIVIDUAL EMPLOYEE OR AGENT OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE.**

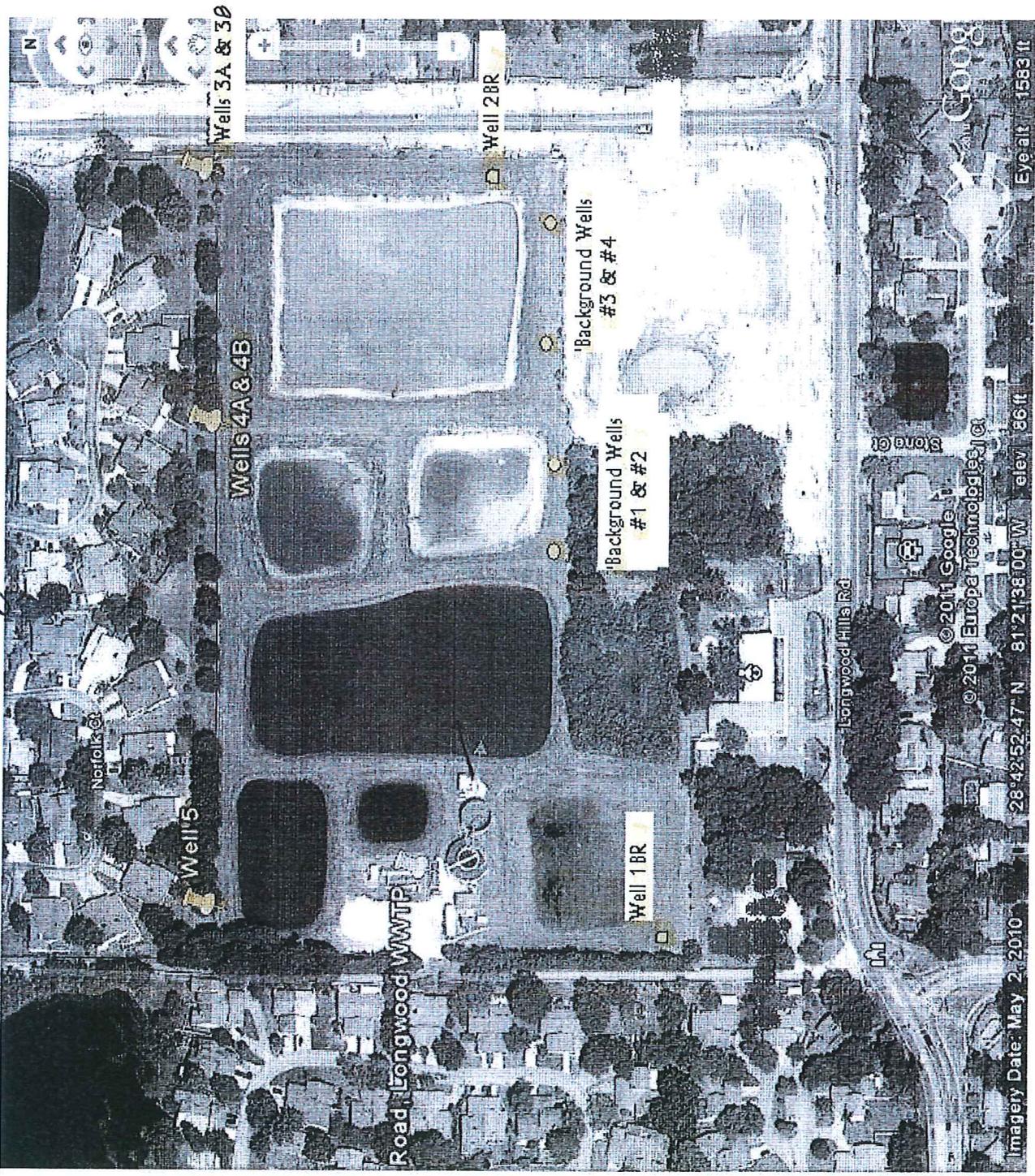
Consultant: **Terracon Consultants, Inc.**  
By:  Date: **1/26/2017**  
Name/Title: **Eric R. Krebill / Sr. Project Manager**  
Address: **1675 Lee Rd**  
**Winter Park, FL 32789-2207**  
Phone: **(407) 740-6110** Fax: **(407) 740-6112**  
Email: **Eric.Krebill@terracon.com**

Client: **Utilities, Inc. of Florida**  
By: \_\_\_\_\_ Date: \_\_\_\_\_  
Name/Title: **Scott Gosnell /**  
Address: **200 Weathersfield Avenue**  
**Altamonte Springs, FL 32714**  
Phone: **(407) 682-5651** Fax: \_\_\_\_\_  
Email: **sgosnell@uiwater.com**

**ADDITIONAL TERMS AND CONDITIONS**

- 3. LIMITATION OF LIABILITY.** CLIENT AND CONSULTANT HAVE EVALUATED THE RISKS AND REWARDS ASSOCIATED WITH THIS PROJECT, INCLUDING CONSULTANT'S FEE RELATIVE TO THE RISKS ASSUMED, AND AGREE TO ALLOCATE CERTAIN OF THE ASSOCIATED RISKS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE TOTAL AGGREGATE LIABILITY OF CONSULTANT (AND ITS RELATED CORPORATIONS AND EMPLOYEES) TO CLIENT AND THIRD PARTIES GRANTED RELIANCE IS LIMITED TO \$50,000, FOR ANY AND ALL INJURIES, DAMAGES, CLAIMS, LOSSES, OR EXPENSES (INCLUDING ATTORNEY AND EXPERT FEES) ARISING OUT OF CONSULTANT'S SERVICES OR THIS AGREEMENT. PRIOR TO ACCEPTANCE OF THIS AGREEMENT AND UPON WRITTEN REQUEST FROM CLIENT, CONSULTANT MAY NEGOTIATE A HIGHER LIMITATION FOR ADDITIONAL CONSIDERATION. THIS LIMITATION SHALL APPLY REGARDLESS OF AVAILABLE PROFESSIONAL LIABILITY INSURANCE COVERAGE, CAUSE(S) OR THE THEORY OF LIABILITY, INCLUDING NEGLIGENCE, INDEMNITY, OR OTHER RECOVERY. THIS LIMITATION SHALL NOT APPLY TO THE EXTENT THE DAMAGE IS PAID UNDER CONSULTANT'S COMMERCIAL GENERAL LIABILITY POLICY.
- 4. CONSEQUENTIAL DAMAGES.** NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR LOSS OF PROFITS OR REVENUE; LOSS OF USE OR OPPORTUNITY; LOSS OF GOOD WILL; COST OF SUBSTITUTE FACILITIES, GOODS, OR SERVICES; COST OF CAPITAL; OR FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT, PUNITIVE, OR EXEMPLARY DAMAGES.
- 5. Change Orders.** Client may request changes to the scope of Services by altering or adding to the Services to be performed. If Client so requests, Consultant will return to Client a statement (or supplemental proposal) of the change setting forth an adjustment to the Services and fees for the requested changes. Following Client's review, Client shall provide written acceptance. If Client does not follow these procedures, but instead directs, authorizes, or permits Consultant to perform changed or additional work, the Services are changed accordingly and Consultant will be paid for this work according to the fees stated or its current fee schedule. If project conditions change materially from those observed at the site or described to Consultant at the time of Authorization, Consultant is entitled to a change order equitably adjusting its Services and fee.
- 6. Compensation and Terms of Payment.** Client shall pay compensation for the Services performed at the fees stated in the Compensation section of the Proposal unless fees are otherwise stated in Exhibit C to this Agreement (which section or Exhibit is incorporated into this Agreement). If not stated in either, fees will be according to Consultant's current fee schedule. Fee schedules are valid for the calendar year in which they are issued. Fees do not include sales tax. Client will pay applicable sales tax as required by law. Consultant may invoice Client at least monthly and payment is due upon receipt of invoice. Client shall notify Consultant in writing, at the address below, within 15 days of the date of the invoice if Client objects to any portion of the charges on the invoice, and shall promptly pay the undisputed portion. Client shall pay a finance fee of 1.5% per month, but not exceeding the maximum rate allowed by law, for all unpaid amounts 30 days or older. Client agrees to pay all collection-related costs that Consultant incurs, including attorney fees. Consultant may suspend Services for lack of timely payment. It is the responsibility of Client to determine whether federal, state, or local prevailing wage requirements apply and to notify Consultant if prevailing wages apply. If it is later determined that prevailing wages apply, and Consultant was not previously notified by Client, Client agrees to pay the prevailing wage from that point forward, as well as a retroactive payment adjustment to bring previously paid amounts in line with prevailing wages. Client also agrees to defend, indemnify, and hold harmless Consultant from any alleged violations made by any governmental agency regulating prevailing wage activity for failing to pay prevailing wages, including the payment of any fines or penalties.
- 7. Third Party Reliance.** This Authorization and the Services provided are for Consultant and Client's sole benefit and exclusive use with no third party beneficiaries intended. Reliance upon the Services and any work product is limited to Client, and is not intended for third parties. For a limited time period not to exceed three months from the date of the report, Consultant will issue additional reports to others agreed upon with Client, however Client understands that such reliance will not be granted until those parties sign and return Consultant's reliance agreement and Consultant receives the agreed-upon reliance fee.
- 8. Indemnity/Statute of Limitations.** Consultant and Client shall indemnify and hold harmless the other and their respective employees from and against legal liability for claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are legally determined to be caused by their negligent acts, errors, or omissions. In the event such claims, losses, damages, or expenses are legally determined to be caused by the joint or concurrent negligence of Consultant and Client, they shall be borne by each party in proportion to its own negligence under comparative fault principles. Neither party shall have a duty to defend the other party, and no duty to defend is hereby created by this indemnity provision and such duty is explicitly waived under this Agreement. Causes of action arising out of Consultant's services or this Agreement regardless of cause(s) or the theory of liability, including negligence, indemnity or other recovery shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of Consultant's substantial completion of services on the project.
- 9. Choice of Law.** This Authorization shall be governed by and construed according to Kansas law.
- 10. Subsurface Explorations.** Consultant will take reasonable precautions to reduce damage to the site when performing Services; however, Client accepts that invasive services such as drilling or sampling may damage or alter the site. Site restoration is not provided unless specifically included in the Services.
- 11. Sample Disposition, Affected Materials, and Indemnity.** Samples are consumed in testing or disposed of upon completion of tests (unless stated otherwise in the Services).
- 12. Utilities.** Consultant shall utilize a utility locating service for public utilities. Client shall provide the location and/or arrange for the marking of private utilities and subterranean structures. Consultant shall take reasonable precautions to avoid damage or injury to subterranean structures or utilities. Consultant shall not be responsible for damage to subterranean structures or utilities that are not called to Consultant's attention, are not correctly marked, including by a utility locate service, or are incorrectly shown on the plans furnished to Consultant.
- 13. Site Access and Safety.** Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees, but shall not be responsible for the supervision or health and safety precautions for any other parties, including Client, Client's contractors, subcontractors, or other parties present at the site.
- 14. Termination.** Either party may terminate this Authorization or the Services upon written notice to the other. In such case, Consultant shall be paid costs incurred and fees earned to the date of termination plus reasonable costs of closing the project.
- 15. Insurance.** Consultant represents that it now carries, and will continue to carry: (i) workers' compensation insurance in accordance state, and employer's liability (\$1,000,000); (ii) commercial general liability (\$1,000,000 occ/ \$2,000,000 agg); (iii) automobile liability (\$1,000,000 B.I. and P.D. combined single limit); excess liability (\$5,000,000 occ/ agg); and (iv) professional liability (\$1,000,000 claim / agg). Client and Consultant shall waive subrogation against the other party on general liability. Client is additional insured with respect to general and auto liability. When requested in writing, Owner is additional insured with respect to general and auto liability.

Monitoring Wells



**SHADOW HILLS  
SPRINGS BLVD FORCEMAIN - BASE BID  
BID COMPILATION**

ITEM	DESCRIPTION	QUANTITY		Tri-Sure		Traverse		Central Florida Tapping	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 90,000.00	90,000.00	75,000.00	75,000.00	72,150.00	72,150.00
2	Project Closeout/Record Drawings	LS	1	\$ 25,000.00	25,000.00	27,500.00	27,500.00	21,500.00	21,500.00
3	Construction Testing	LS	1	\$ 20,000.00	20,000.00	7,500.00	7,500.00	3,500.00	3,500.00
4	12" C-900 PVC Force Main (Open Cut)	LF	6,175	\$ 90.00	555,750.00	99.50	614,412.50	101.00	623,675.00
5	12" DR-11 HDPE Force Main (Directional Drill)	LF	852	\$ 125.00	106,500.00	175.00	149,100.00	160.00	136,320.00
6	6" C-900 PVC Force Main (Open Cut)	LF	11	\$ 100.00	1,100.00	85.00	935.00	125.00	1,375.00
7	6" Plug Valves	EA	1	\$ 1,500.00	1,500.00	1,950.00	1,950.00	2,150.00	2,150.00
8	6" Insert Valves	EA	1	\$ 7,500.00	7,500.00	7,500.00	7,500.00	7,250.00	7,250.00
9	12" Insert Valves	EA	1	\$ 10,000.00	10,000.00	11,500.00	11,500.00	12,250.00	12,250.00
10	12" Plug Valve	EA	9	\$ 4,000.00	36,000.00	5,500.00	49,500.00	6,650.00	59,850.00
11	2" ARV Type 2	EA	6	\$ 4,500.00	27,000.00	12,500.00	75,000.00	12,670.00	76,020.00
12	Abandon Existing Force Main in Place	LS	1	\$ 15,000.00	15,000.00	55,000.00	55,000.00	72,500.00	72,500.00
13	Existing Force Main Connections	EA	3	\$ 10,000.00	30,000.00	2,500.00	7,500.00	2,750.00	8,250.00
<b>TOTAL LUMP SUM BASE BID</b>					<b>925,350.00</b>		<b>1,082,397.50</b>		<b>1,096,790.00</b>
14	3% Payment and Performance Bond	LS	1		27,760.50		32,471.93		32,903.70
<b>Total plus performance bond</b>					<b>\$ 953,110.50</b>		<b>\$ 1,114,869.43</b>		<b>\$ 1,129,693.70</b>



P.O. Box 521279  
 Longwood, FL 32752-1279  
 Phone: 407-834-8271  
 Fax: 407-834-3859

CU C055705  
 CB C045652  
 CONT. V 13942900011997

December 22, 2016

Nicole Quinby, P.E.  
 Kimley Horn  
 3660 Maguire Blvd., Suite 200  
 Orlando, Fl. 32803

**Re: Springs Blvd. Force Main Addendum No. 2**

Ms. Quinby,

We propose the following,

SCHEDULE OF VALUES FOR SPRINGS BLVD FORCE MAIN/UTILITIES INC. OF FLORIDA					
ITEM #	DESCRIPTION	UNIT	QUANTIT	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 72,150.00	\$ 72,150.00
2	Project Closeout/Record Drawings	LS	1	\$ 21,500.00	\$ 21,500.00
3	Construction Testing	LS	1	\$ 3,500.00	\$ 3,500.00
4	12" C-900 PVC Force Main (Open Cut)	LF	6,175	\$ 101.00	\$ 623,675.00
5	12" DR-11 HDPE Force Main (Directional Drill)	LF	852	\$ 160.00	\$ 136,320.00
6	6" C-900 PVC Force Main (Open Cut)	LF	11	\$ 125.00	\$ 1,375.00
7	6" Plug Valves	EA	1	\$ 2,150.00	\$ 2,150.00
8	6" Insert Valves	EA	1	\$ 7,250.00	\$ 7,250.00
9	12" Insert Valves	EA	1	\$ 12,250.00	\$ 12,250.00
10	12" Plug Valve	EA	9	\$ 6,650.00	\$ 59,850.00
11	2" ARV Type 2	EA	6	\$ 12,670.00	\$ 76,020.00
12	Abandon Existing Force Main in Place	LS	1	\$ 72,500.00	\$ 72,500.00
13	Existing Force Main Connections	EA	3	\$ 2,750.00	\$ 8,250.00
<b>GRAND TOTAL</b>					<b>\$ 1,096,790.00</b>

If you have any questions please call.

Sincerely,

Rick Bullington

Prepared by:



SCHEDULE OF VALUES FOR SPRINGS BLVD FORCE MAIN/UTILITIES INC. OF FLORIDA					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 75,000.00	\$ 75,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 27,500.00	\$ 27,500.00
3	Construction Testing	LS	1	\$ 7,500.00	\$ 7,500.00
4	12" C-900 PVC Force Main (Open Cut)	LF	6,175	\$ 99.50	\$ 614,412.50
5	12" DR-11 HDPE Force Main (Directional Drill)	LF	852	\$ 175.00	\$ 149,100.00
6	6" C-900 PVC Force Main (Open Cut)	LF	11	\$ 85.00	\$ 935.00
7	6" Plug Valves	EA	1	\$ 1,950.00	\$ 1,950.00
8	6" Insert Valves	EA	1	\$ 7,500.00	\$ 7,500.00
9	12" Insert Valves	EA	1	\$ 11,500.00	\$ 11,500.00
10	12" Plug Valve	EA	9	\$ 5,500.00	\$ 49,500.00
11	2" ARV Type 2	EA	6	\$ 12,500.00	\$ 75,000.00
12	Abandon Existing Force Main in Place	LS	1	\$ 55,000.00	\$ 55,000.00
13	Existing Force Main Connections	EA	3	\$ 2,500.00	\$ 7,500.00
<b>GRAND TOTAL</b>					<b>\$ 1,082,397.50</b>

Prepared by:



SCHEDULE OF VALUES FOR SPRINGS BLVD FORCE MAIN/UTILITIES INC. OF FLORIDA					
ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Mobilization/General Conditions	LS	1	\$ 90,000.00	\$ 90,000.00
2	Project Closeout/Record Drawings	LS	1	\$ 25,000.00	\$ 25,000.00
3	Construction Testing	LS	1	\$ 20,000.00	\$ 20,000.00
4	12" C-900 PVC Force Main (Open Cut)	LF	6,175	\$ 90.00	\$ 555,750.00
5	12" DR-11 HDPE Force Main (Directional Drill)	LF	852	\$ 125.00	\$ 106,500.00
6	6" C-900 PVC Force Main (Open Cut)	LF	11	\$ 100.00	\$ 1,100.00
7	6" Plug Valves	EA	1	\$ 1,500.00	\$ 1,500.00
8	6" Insert Valves	EA	1	\$ 7,500.00	\$ 7,500.00
9	12" Insert Valves	EA	1	\$ 10,000.00	\$ 10,000.00
10	12" Plug Valve	EA	9	\$ 4,000.00	\$ 36,000.00
11	2" ARV Type 2	EA	6	\$ 4,500.00	\$ 27,000.00
12	Abandon Existing Force Main in Place	LS	1	\$ 15,000.00	\$ 15,000.00
13	Existing Force Main Connections	EA	3	\$ 10,000.00	\$ 30,000.00
<b>GRAND TOTAL</b>					<b>\$ 925,350.00</b>

**Notes**

- 1) Prices are good for 30 days.
- 2) If Bond is required please add 3%.
- 3) This job is bid with clearing as required to install the open cut portions only.
- 4) This job is bid with more than 10% Directional Drill and that portion is upsized to 16" HDPE or 12" FPVC as per Addendum #2.

# AGREEMENT BETWEEN OWNER AND CONTRACTOR

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This Agreement between Owner and Contractor (the "Agreement") is effective [DATE of \_\_\_\_\_ ],

**BETWEEN:** William H. Evans Contracting, Inc. license # CBC031963 (the "Contractor"), a company organized and existing under the laws of the State of Florida, with its head office located at:

10627 Lake Louisa Road  
Clermont, FL. 34711

**AND:** Utilities Inc. of Florida a company organized and existing under the laws of the State of Florida, with its head office located at:

200 Weathersfield Avenue  
Altamonte Springs, FL 32714

WHEREAS, Owner finds that the Contractor is qualified to perform the work, all relevant factors considered, and that such performance will be in furtherance of Owners business.

NOW, THEREFORE, in consideration of the mutual covenants set forth herein and intending to be legally bound, the parties hereto agree as follows:

## 1. MATERIAL AND LABOR PROVIDED

The Contractor agrees to provide all of the material and labor required to perform the following work for:

To provide and build a 30' X 100' steel building on owner's property located at 125 Western Fork, Longwood, FL 32750. To provide the drawing(s) and specifications prepared by William H. Evans Contracting, Inc. at the direction of the Owner. The approved plans and specifications are identified by the signatures of the parties to this agreement and form a part of this agreement. This agreement also includes 3 sets and one single 8' X 12' chain link fence gates to close in front wall of the building.

The Contractor agrees to provide and pay for all materials, tools and equipment required for the prosecution and timely completion of the work. Unless otherwise specified, all materials shall be new and of good quality. The price below may change if owner changes the scope of work or permitting calls for something unknown at the time of the bid.

In the prosecution of the work, the Contractor shall employ a sufficient number of workers skilled in their trades to suitably perform the work.

2. PAYMENT

The Owner hereby agrees to pay the Contractor, for the aforesaid materials and labor, the sum of \$106,659.00, in the following manner:

Deposit at time of contract signing	\$15,000.00
Slab for building complete	30,000.00
Building delivery	35,000.00
Electrical work complete	15,000.00
Gates installed and building complete Total	10,159.00
<u>Allowance</u> for all Seminole county permitting fees	<u>1,500.00</u>
<b>Total</b>	<b>\$106,659.00</b>

3. COMPLETION OF THE WORK (dates to be confirmed at signing of contract)

The Contractor agrees that the various portions of the above-described work shall be completed on or before the following dates: Weather Permitting

Site Work and Layout

Form up foundation and slab and obtain inspections.

Pour slab

Erect steel building

Electrical work

and the entire above-described work shall be completed no later than (COMPLETION DATE).

4. MODIFICATIONS TO THE WORK

All changes and deviations in the work ordered by the Owner must be in writing, the contract sum being increased or decreased accordingly by the Contractor. Any claims for increases in the cost of the work must be presented by the Contractor to the Owner in writing, and written approval of the Owner shall be obtained by the Contractor before proceeding with the ordered change or revision.

5. ACCESS

The Owner, Owner's representative and public authorities shall at all times have access to the work.

6. CONFORMITY WITH DRAWINGS AND SPECIFICATIONS

The Contractor agrees to re-execute any work which does not conform to the drawings and specifications, warrants the work performed, and agrees to remedy any defects resulting, from faulty materials or workmanship which shall become evident during a period of one year after completion of the work.

7. INSURANCE COVERAGE

The Owner agrees to maintain full insurance on the above-described work during the progress of the work, in his own name and that of the Contractor.

The Contractor agrees to obtain insurance to protect himself against claims for property damage, bodily injury or death due to his performance of this agreement.

8. DELAYS

In the event the Contractor is delayed in the prosecution of the work by acts of God, fire, flood or any other unavoidable casualties; or by labor strikes, late delivery of materials; or by neglect of the Owner; the time for completion of the work shall be extended for the same period as the delay occasioned by any of the aforementioned causes.

9. NO ASSIGNMENT

Neither the Owner nor Contractor shall have the right to assign any rights or Interest occurring under this agreement without the written consent of the other, nor shall the Contractor assign any sums due, or to become due, to him under the provisions of this agreement.

10. GOVERNING LAW

This agreement shall be interpreted under laws of the State of Florida.

11. ATTORNEY'S FEES

Attorney's fees and court costs shall be paid by the defendant in the event that judgment must be, and is, obtained to enforce this agreement or any breach thereof.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

OWNER

CONTRACTOR

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

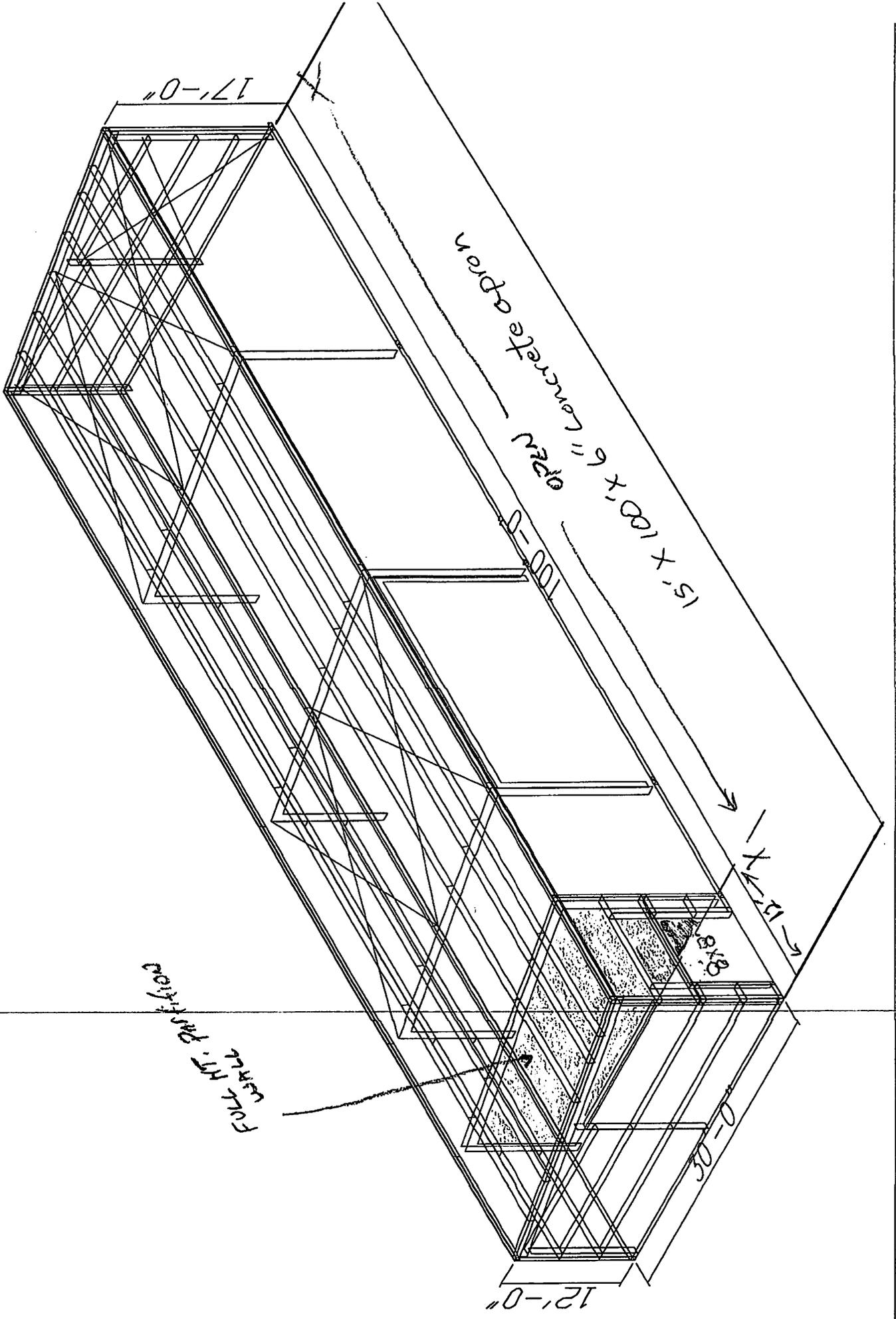
William H. Evans  
Authorized Signature

\_\_\_\_\_  
Print Name and Title

William H. Evans, President  
Print Name and Title

\_\_\_\_\_  
Date

1-9-2017  
Date



17'-0"

15' x 100' x 6" concrete apron

100'-0"

X-X

8x8

Full HT. Reinforcing

30'-0"

12'-0"