

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

Meeting Date: May 21, 2013 Consent [X] Regular [ ]  
Public Hearing [ ]

Department: Water Utilities Department

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: Change Order No. 1 to the Contract with Lanzo Lining Services, Inc. (R2012-0335) for the Town of Lake Clark Shores Sewer Rehabilitation South Service Area – Phase II Project, increasing the contract price by \$27,780.10 with a 120 day time extension.

**Summary:** On March 6, 2012, the Palm Beach County Board of County Commissioners (BCC) approved a Contract with Lanzo Lining Services, Inc. (R2012-0335) for the Town of Lake Clark Shores Sewer Rehabilitation. South Service Area – Phase II Project. This Change Order authorizes the contractor to modify the electrical panels at Lift Station No. 5 in the Town of Lake Clark Shores at their request. The County is paying for this work through the Department of Economic Sustainability under the Community Development Block Grant (CDBG) project. The original project was approved when the BCC adopted FY 2012-2013 CDBG Action Plan on July 10, 2012 (R2012-0942). The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance does not apply because this project is funded by federal grant. Lanzo Lining Services, Inc. is not a Palm Beach County company (WUD Project No. 11-139 District 2 & 3 (JM)

**Background and Justification:** This change order will authorize the Contractor to perform additional work due to a change condition at the request of the Town with an additional 120 days added to the contract.

**Attachments:**

- 1. Location Map
- 2. Two (2) Original Change Order No. 1
- 3. Budget Availability Statement

Recommended By: *Benny Beaubien* 5/14/13  
Department Director Date

Approved By: *Sharon R. By* 5-20-13  
Assistant County Administrator Date

**II. FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

<b>Fiscal Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Capital Expenditures	<u>\$27,780.</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>NET FISCAL IMPACT</b>	<b><u>\$27,780.</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
<b># ADDITIONAL FTE POSITIONS (Cumulative)</b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

**Budget Account No.: Fund 1101 Agency 143 Org. 1431 Object 8201**

Is Item Included in Current Budget?      Yes                  No

Reporting Category N/A

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

Federally fund grant applicable to CDBG fund

**C. Department Fiscal Review:** Debra M. West

**III. REVIEW COMMENTS**

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

[Signature] 5/14/2013  
OFMB  
8/15/13      B 5/15/13      COM 5/15/13

[Signature] 5/17/13  
Contract Development and Control  
5-16-13 B. [Signature]

**B. Legal Sufficiency:**

[Signature] 5/17/13  
Assistant County Attorney

**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**

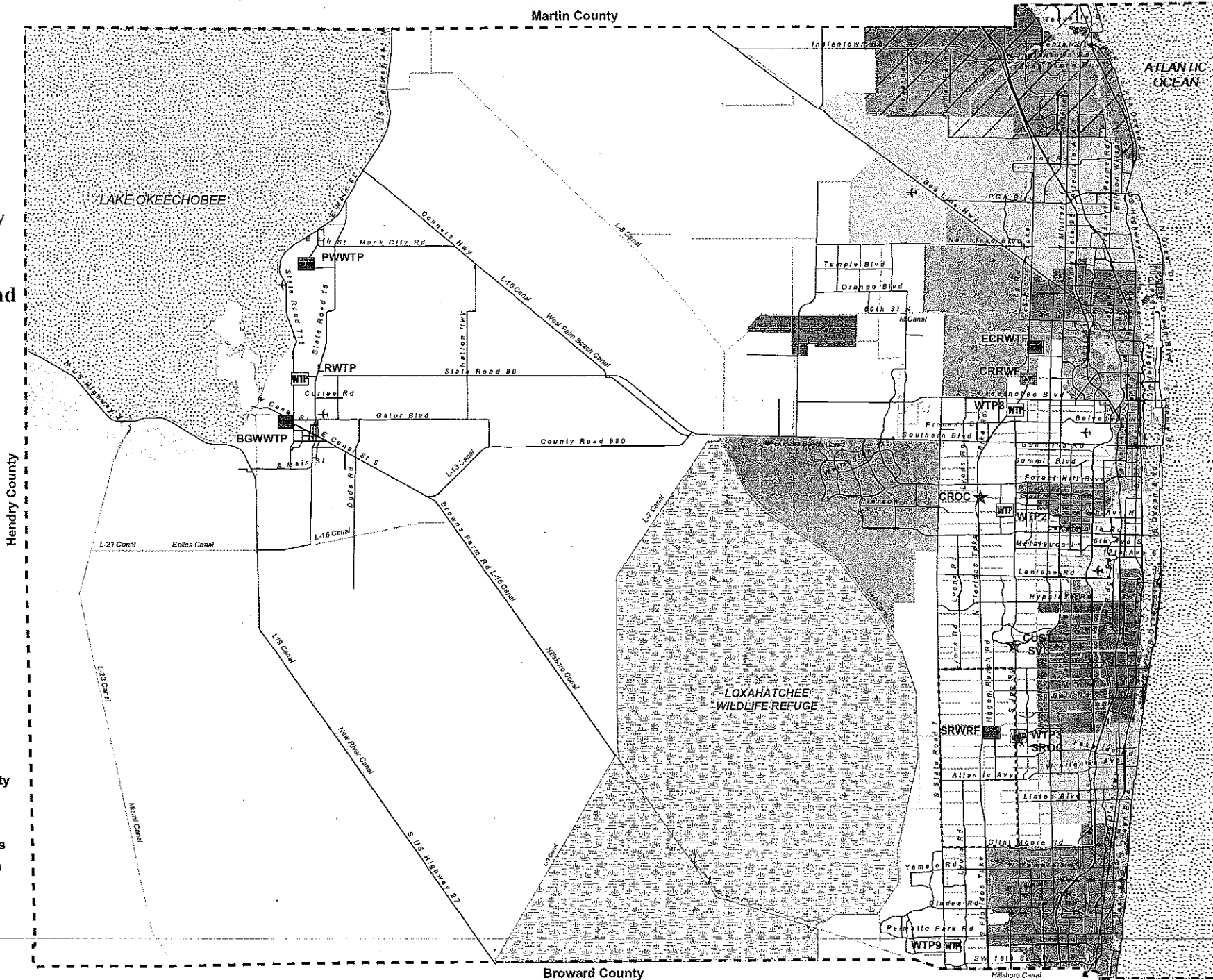
Attachment 1

**Legend**

- ★ Administration
- WTP Water Treatment Facility
- WRF Water Reclamation Facility
- RF Reclamation Facility
- ..... Mandatory Reclaimed SA
- - - Palm Beach County Limits
- P.B.C.W.U.D. Service Area



NOT TO SCALE



Hendry County

Martin County

Broward County

ATLANTIC OCEAN

CHANGE ORDER

PROJECT: Town of Lake Clark Shore Sewer Rehab  
WATER UTIL. DEPT. PROJECT NO. WUD 11-139  
DISTRICT NUMBER: 2  
CHANGE ORDER NO.: One (1)

TO:	DOCUMENT NO.	R2012-0334
Lanzo Lining Services	CONTRACT DATE:	March 6, 2012
125 SE 5 th Court	NOTICE TO PROCEED:	March 26, 2012
Deerfield Beach, Fl. 33441	BUDGET LINE ITEM:	1101-143-1431-8201

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

- |     |  |             |
|-----|--|-------------|
| 1.1 | Modify the electrical panel at Lift station # 5 in Town of Lake Clark Shore. | \$27,780.10 |
| 1.2 | Contract time Extension  | \$0.00      |
|     | TOTAL  | \$27,780.10 |

---

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES HIS AGREEMENT 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 .....	<u>\$473,280.00</u>
Net Change by previous Change Orders .....	<u>0.00</u>
The Contract Sum prior to this Change Order was .....	<u>\$473,280.00</u>
The Contract Sum will be increased by this Change Order .....	<u>\$27,780.10</u>
The New Contract Sum indicating this Change Order will be ...	<u>\$501,060.10</u>
The Contract Time for will be increased by 120 days .....	<u>120 Days</u>
The Date of Substantial Compl. Including this Change Order:	<u>June 23, 2013</u>
The date of Final Compl. Including this Change Order:	<u>July 23, 2013</u>

---

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) CONSTITUTES IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

---

Town of Lake Clark Shore  
Sewer Rehabilitation  
Project No. WUD 11-139  
District Number: 2  
Contract No. R2012-0334  
Change Order No. One(1)

MAR 19 2013

Palm Beach County

Lanzo Lining Services

Palm Beach County, Fl.  
A Political Subdivision  
Of the State of Fl. Board  
of County Commission

Joseph Tanacredi, P.E.

JIM MERCURIO

ENGINEER

CONTRACTOR

P.O. Box 16097

125 SE 5<sup>th</sup> Court

Address

Address

WPB, Fl 33416

Deerfield, Fl 33441

Address

WPB, Fl 33416

BY

*John Tanacredi*

BY

*Jim Mercurio*

BY Steven L. Abrams, Mayor

DATE

2-26-13

DATE

3/21/13

DATE

*Paul*

Approved as to Form and Legal Sufficiency

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

County Attorney

Attest: Sharon R. Bock, Clerk and Comptroller

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

Deputy Clerk

Town of Lake Clark Shore  
Sewer Rehabilitation  
Project No. WUD 11-139  
District Number: 2  
Contract No. R2012-0335  
Change Order No. One(1)

MAR 19 2013

CHANGE ORDER CATEGORIZATION

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> OWNER INITIATED    | <input type="checkbox"/> QUANTITY OVERRUNS/UNDER-RUNS      |
| <input type="checkbox"/> DIFFERING SITE CONDITIONS     | <input type="checkbox"/> REQUEST BY ANOTHER AGENCY/OUTSIDE |
| <input type="checkbox"/> ZONING/CODE/ORDINANCE CHANGES | <input type="checkbox"/> A. REIMBURSABLE                   |
| <input type="checkbox"/> ERRORS/OMISSIONS/IN DESIGN    | <input type="checkbox"/> B. NON-REIMBURSABLE               |

jm

Town of Lake Clark Shore  
Sewer Rehabilitation  
Project No. WUD 11-139  
District Number: 2  
Contract No. R2012-0335  
Change Order No. One(1)

SCOPE OF WORK

- 1.2 Furnish and Install electrical control panel at Lift station # 5. There is \$67,347.84 remaining in the sewer lining contract that will be used to do this work. The total change order is \$95,127.94 (Owner Initiated).
  
- 2.2 The contract has passed its final completion date and requires a time extension in order to proceed with this work(Owner Initiated).

Town of Lake Clark Shore  
Sewer Rehabilitation  
Project No. WUD 11-139  
District Number: 2  
Contract No. R2012-0335  
Change Order No. One(1)

MAR 19 2013

SUMMARY

<u>C.O. #</u>	<u>DESCRIPTION</u>	<u>ADDITIONS</u>	<u>(DELETIONS)</u>	<u>NET CHANGE</u>
1.1	Electrical Work	27,780.10		27,780.10
1.2	Time Extension	0.00		0.00
	Total			27,780.10

*Jm*





**LANZO**  
Lining Services, Inc.

MAR 19 2013

February 14, 2013

W.P. Snow, P.E.  
AECOM  
2090 Palm Beach Lakes Boulevard, Ste. 600  
West Palm Beach, Florida 33409

Re: Town of Lake Clarke Shores  
Lift Station no. 5  
Electrical Panel Replacement

Proposal

Bill,

Please find below our priced proposal to replace the electrical and control panel, as detailed on AECOM drawings E001 - E004, titled Town of Lake Clarke Shores, Lift Station No. 5, Electrical Details. Project Number 60224758, dated 3/01/2012, with no revisions.

Our price includes the following:

- New CC Controls Control Panel
- New Floats
- Gas Detector
- Spare Parts
- Demolition
- Bypass Pumping
- Electrical Conduit, Wire and Junction Boxes
- 100 AMP Fused Disconnect
- Grounding
- New Meter Can on Existing on Existing Supports

Exclusions:

- Permit Fees
- FPL Fees
- Temporary Power

Project Completion: (10) weeks after approval.

**Total Lump Sum Price \$95,128.00**

125 SE 5th Court • Deerfield Beach, FL 33441-4749 • (954) 973-9700 • Fax: (954) 974-3894

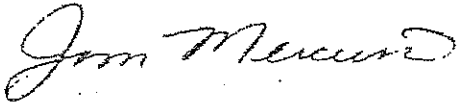
*gm*

MAR 19 2013

BY:

Please advise if you would like us to proceed.

Regards,



Jim Mercurio  
Project Manager

/

/

Jim

**Joseph Tanacredi**

MAR 19 2013

**From:** Snow, Bill [Bill.Snow@aecom.com]  
**Sent:** Thursday, February 14, 2013 5:07 PM  
**To:** Joseph Tanacredi  
**Cc:** Brian Shields; Daniel Clark; Stern, Jarrod  
**Subject:** FW: WUD 11-139 LAnzo lining contract  
**Attachments:** LS #5 Proposal.pdf

Joe,

Attached the proposal from Lanzo Lining Services, Inc. for the Change Order for the work on Lift Station 5 electrical control panel replacement.

The proposal is for \$95,128, the available balance in the project is \$67,347.84 therefore the Town will pay the balance of \$27,780.16. The change order will be for the \$67, 347.84 plus the additional time from the final completion date.

Please send me the correct Change Order form so we can complete the form and send to PBCWUD for approval.

Thank you for your help with this change order.

Bill

Bill Snow, P.E.

Principal Engineer, Florida South

O 561-684-3375 D 561-515-3927 C 561-962-5254

[bill.snow@aecom.com](mailto:bill.snow@aecom.com)

AECOM

2090 Palm Beach Lakes Blvd.

Suite 600

West Palm Beach, FL 33409

O 561-684-3375 F 561-689-8531

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

---

**From:** Jim Mercurio [<mailto:JimM@Lanzo.org>]  
**Sent:** Thursday, February 14, 2013 3:43 PM  
**To:** Snow, Bill  
**Cc:** Stern, Jarrod; Daniel Clark  
**Subject:** RE: WUD 11-139 LAnzo lining contract

Bill,

Attached is a copy of the proposal for LS #5. Please advise if you would like us to proceed.

Thank you,

*Jim Mercurio*

Project Manager

**Lanzo** Lining Services, Inc

125 S.E. 5th Court

Deerfield Beach, FL 33441

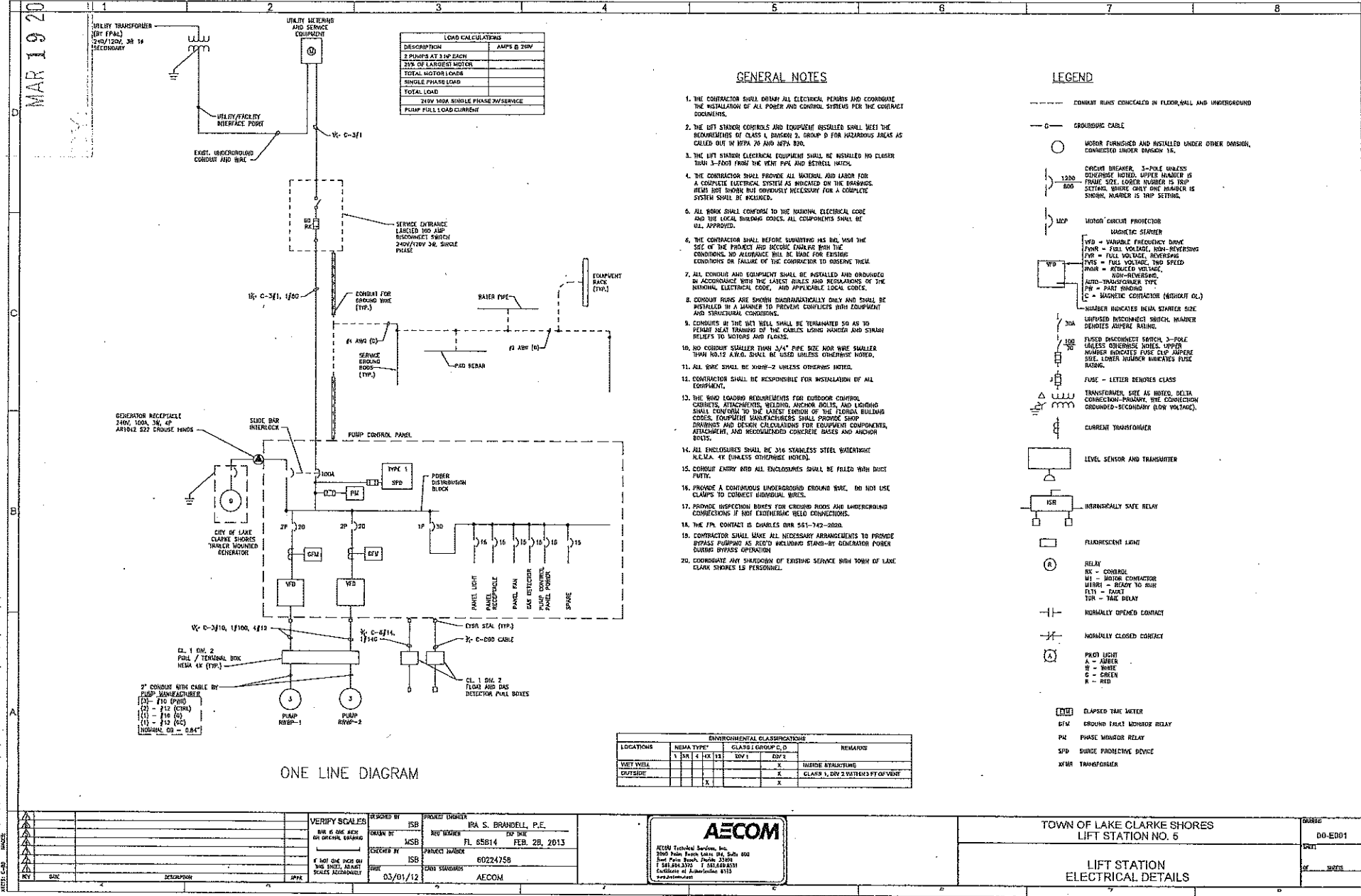
Telephone: (954) 973-9700 Ext: 236

Fax: (954) 974-3894

[JimM@Lanzo.Org](mailto:JimM@Lanzo.Org)

MAR 19 2013

JM



DESCRIPTION	LOADS @ 200V
2 PUMPS AT 3 HP EACH	
25% OF LARGEST MOTOR	
TOTAL MOTOR LOAD	
SINGLE PHASE LOAD	
TOTAL LOAD	
200V 100A SINGLE PHASE 2W SERVICE	
PUMP FULL LOAD CURRENT	

GENERAL NOTES

1. THE CONTRACTOR SHALL OBTAIN ALL ELECTRICAL PERMITS AND COORDINATE THE INSTALLATION OF ALL POWER AND CONTROL SYSTEMS PER THE CONTRACT DOCUMENTS.
2. THE LIFT STATION CONTROLS AND EQUIPMENT INSTALLED SHALL MEET THE REQUIREMENTS OF CLASS 1, DIVISION 2, GROUP D FOR HAZARDOUS AREAS AS CALLED OUT BY NFPA 70 AND NFPA 820.
3. THE LIFT STATION ELECTRICAL EQUIPMENT SHALL BE INSTALLED NO CLOSER THAN 3'-0" FROM THE VENT PIPE AND BETAHLL INKETS.
4. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR A COMPLETE SYSTEM SHALL BE INDICATED.
5. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND THE LOCAL BUREAU CODES. ALL COMPONENTS SHALL BE UL APPROVED.
6. THE CONTRACTOR SHALL BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE CONDITIONS. NO ALLOWANCE WILL BE MADE FOR ERRORS, OMISSIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
7. ALL CONDUITS AND EQUIPMENT SHALL BE INSTALLED AND OBTAINED IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES.
8. CONDUIT RUNS ARE SPACED DIMENSIONALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT COLLISIONS WITH EQUIPMENT AND STRUCTURAL CONDITIONS.
9. CONDUITS AT THE WET WELL SHALL BE TERMINATED SO AS TO PREVENT NEAR TERMINUS OF THE CABLES LONG HANGER AND STRAIN RELIEFS TO MOTORS AND FLOANS.
10. NO CONDUIT SMALLER THAN 3/4" PIPE SIZE NOR WIRE SMALLER THAN 18G2 AWG SHALL BE USED UNLESS OTHERWISE NOTED.
11. ALL WIRE SHALL BE XHHW-2 UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ALL EQUIPMENT.
13. THE WIRE LOADING REQUIREMENTS FOR OUTDOOR CONTROL CABINETS, ATTACHMENTS, WELDING, ANCHOR BOLTS, AND LIGHTING SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL BUILDING CODES. EQUIPMENT MANUFACTURERS SHALL PROVIDE SHOP DRAWINGS AND DESIGN CALCULATIONS FOR EQUIPMENT COMPONENTS, ATTACHMENTS, AND RECOMMENDED CONCRETE BASES AND ANCHOR BOLTS.
14. ALL ENCLOSURES SHALL BE 316 STAINLESS STEEL WATER-TIGHT NEMA 4X UNLESS OTHERWISE NOTED.
15. CONDUIT ENTRY AND ALL ENCLOSURES SHALL BE FILLED WITH DUCT PUTTY.
16. PROVIDE A CONTINUOUS UNDERGROUND GROUND WIRE. DO NOT USE CLAMPS TO CONNECT INDIVIDUAL WIRES.
17. PROVIDE INSPECTION BOXES FOR GROUND RODS AND UNDERGROUND CONNECTIONS IF NOT EXISTING/NEED CONNECTIONS.
18. THE FPN CONTACT IS CHARLES DMM 561-742-3020.
19. CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO PROVIDE BYPASS PUMPING AS REDD INCLUDING START-UP BY GENERATOR POWER DURING BYPASS OPERATION.
20. COORDINATE ANY MODIFICATION OF EXISTING SERVICE WITH TOWN OF LAKE CLARKE SHORES IS PERSONNEL.

LEGEND

- CONDUIT RUNS CONCEALED IN FLOOR/WALL AND UNDERGROUND
- G - GROUNDING CABLE
- MOTOR FURNISHED AND INSTALLED UNDER OTHER DIVISION, CONNECTED UNDER DIVISION 16.
- CIRCUM BREAKER, 3-POLE UNLESS OTHERWISE NOTED. UPPER NUMBER IS FRAME SIZE, LOWER NUMBER IS TRIP SETTING, WHERE ONLY ONE NUMBER IS SHOWN, NUMBER IS TRIP SETTING.
- ⌋ MXP MOTOR CIRCUIT PROTECTOR
- ⌋ VFD VARIABLE FREQUENCY DRIVE  
FVR = FULL VOLTAGE, NON-REVERSING  
FVR = FULL VOLTAGE, REVERSING  
FVR = REDUCED VOLTAGE, NON-REVERSING  
FVR = REDUCED VOLTAGE, REVERSING
- ⌋ AUTO-TRANSFORMER TYPE  
PH = PART WINDING  
IC = AMPERE CONDUCTOR (MODIFIED OL)
- ⌋ NUMBER INDICATES NEMA STARTER SIZE  
DIFFUSED DISCONNECT SWITCH, MINIMUM DIFFUSED AMPERE RATING.
- ⌋ FUSED DISCONNECT SWITCH, 3-POLE UNLESS OTHERWISE NOTED. UPPER NUMBER INDICATES FUSE CLIP AMPERE SIZE, LOWER NUMBER INDICATES FUSE RATING.
- ⌋ FUSE - LETTER DENOTES CLASS
- ⌋ TRANSFORMER, SEE AS NOTED, DELTA CONNECTION-PRIMARY, VEE CONNECTION-SECONDARY (LOW VOLTAGE).
- ⌋ CURRENT TRANSFORMER
- ⌋ LEVEL SENSOR AND TRANSMITTER
- ⌋ ISR INTRINSICALLY SAFE RELAY
- ⌋ FLUORESCENT LIGHT
- ⌋ RELAY  
BX - CONTROL  
M1 - MOTOR CONTACTOR  
M1R1 - READY TO RUN  
T1 - TALKER  
TOR - TALK RELAY
- ⌋ NORMALLY OPENED CONTACT
- ⌋ NORMALLY CLOSED CONTACT
- ⌋ PULL LIGHT  
A - AMBER  
W - WHITE  
G - GREEN  
R - RED
- ⌋ ELAPSED TIME METER
- ⌋ GFM GROUND FAULT MONITOR RELAY
- ⌋ PHM PHASE MONITOR RELAY
- ⌋ SPD SURGE PROTECTIVE DEVICE
- ⌋ XFM TRANSFORMER

ENVIRONMENTAL CLASSIFICATIONS				REMARKS
LOCATIONS	NEMA TYPE	CLASS / GROUP / C, D	DM'S	
WET WELL	1	3R 4	HX 1A	DM'S
OUTSIDE				CLASS 1, DIV 2 (WITHIN 3 FT OF VENT)

DESIGNED BY	ISA	PROJECT ENGINEER	IRA S. BRANDELL, P.E.
DRAWN BY	MCS	REV NUMBER	EXP DATE
CHECKED BY	ISA	PROJECT NUMBER	FL 65814 FEB. 28, 2013
DATE	03/01/12	JOB NUMBER	60224758
		JOB SURVIVOR	AECOM

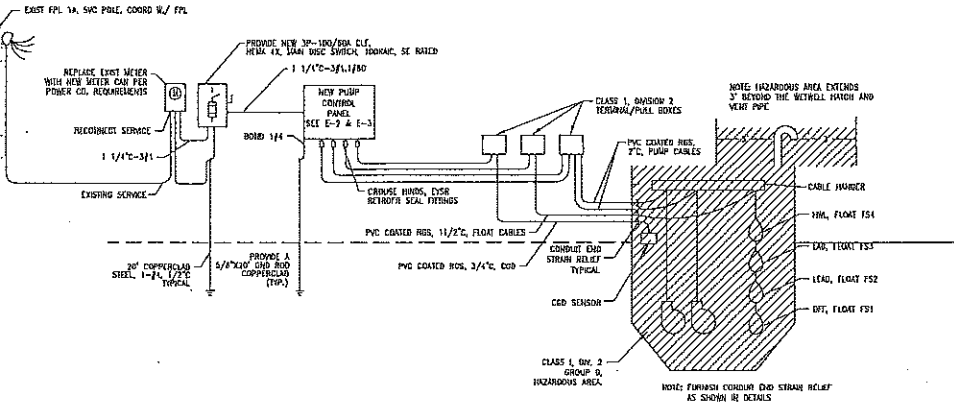


TOWN OF LAKE CLARKE SHORES  
LIFT STATION NO. 5  
LIFT STATION  
ELECTRICAL DETAILS

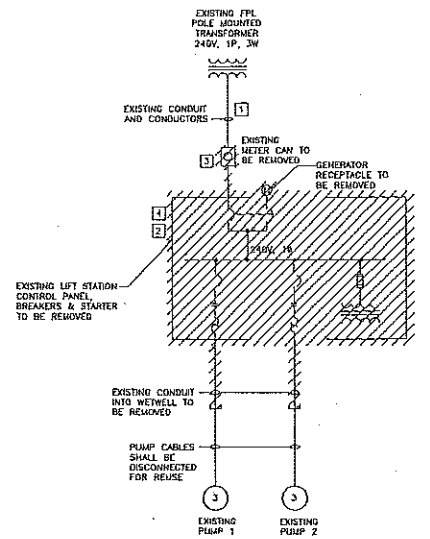
DATE	00-ED01
REV	
DATE	

MAR 19 2013

277

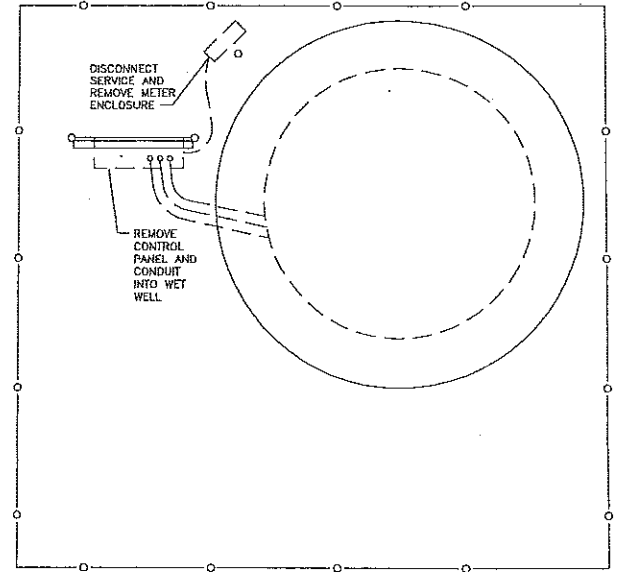


240V ELECTRICAL RISER DIAGRAM, CLASS 1, DIV. 2, GROUP D HAZARDOUS AREA

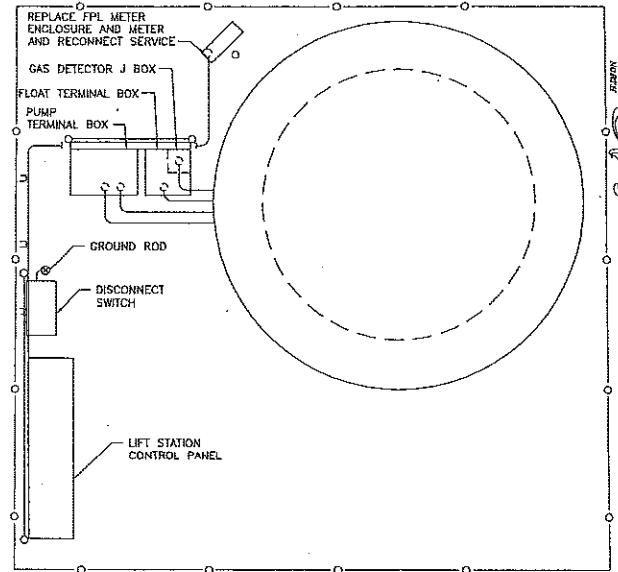


DEMOLITION - ONE LINE DIAGRAM L/S#5  
NOT TO SCALE

- DEMOLITION NOTES:**
- 1 CONTRACTOR SHALL COORDINATE WITH FPL FOR EXISTING SERVICE DISCONNECT AND RECONNECTION.
  - 2 CONTRACTOR SHALL REMOVE EXISTING LIFT STATION CONTROL PANEL AND ASSOCIATED CONDUIT AND WIRING COMPLETE, INCLUDING PEDestal AND JUNCTION BOX.
  - 3 CONTRACTOR SHALL REMOVE EXISTING METER ENCLOSURE, SERVICE CONDUIT AND WEATHERHEAD.
  - 4 CONTRACTOR SHALL PROVIDE TEMPORARY POWER DURING CONSTRUCTION TO KEEP LIFT STATION OPERATIONAL.



DEMO PLAN  
SCALE: 3/4" = 1'-0"



NEW PLAN  
SCALE: 3/4" = 1'-0"

DATE PLOTTED: 03/01/12 10:41:11 AM PROJECT: TOWN OF LAKE CLARKE SHORES LIFT STATION NO. 5 SHEET: 00-ED02

NO.	DATE	DESCRIPTION	APP'D.

DESIGNED BY	ISB	PROJECT ENGINEER	IRA S. BRANDELL, P.E.
DRAWN BY	MSB	REV NUMBER	FL 65814
ISSUED BY	ISB	PROJECT NUMBER	60224758
DATE	03/01/12	DRAWN STANDARD	AECOM

**AECOM**

AECOM Technical Services, Inc.  
2000 Palm Beach Lakes Blvd., Suite 800  
West Palm Beach, Florida 33411  
Tel: 561.835.7000 Fax: 561.835.7001  
www.aecom.com

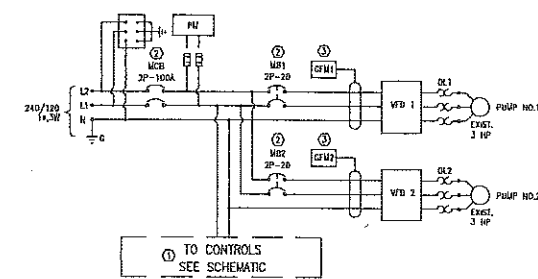
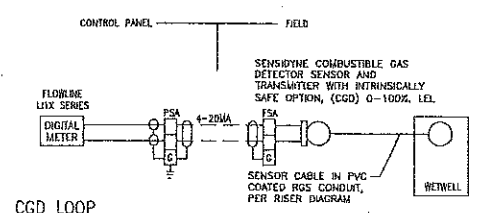
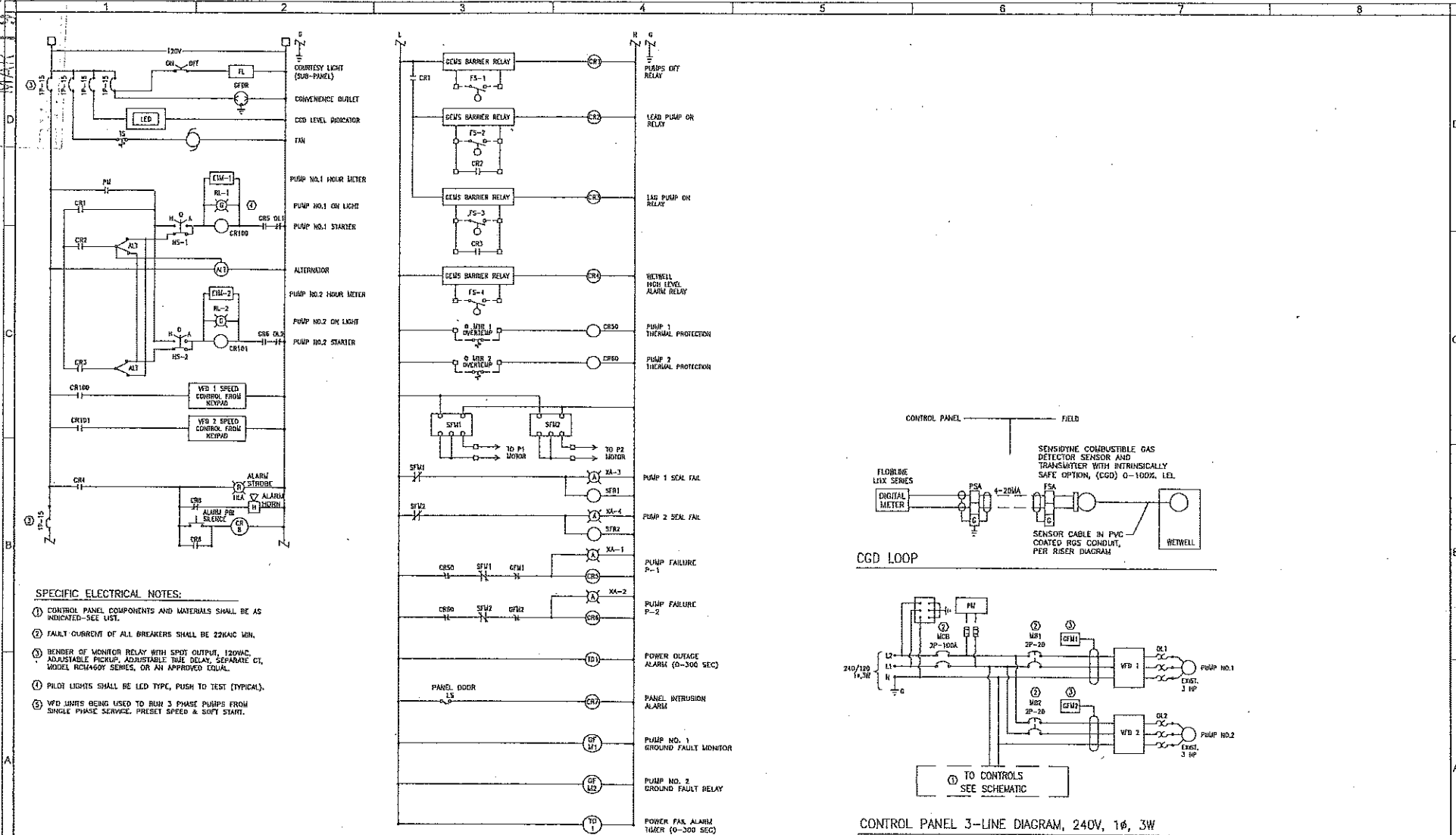
TOWN OF LAKE CLARKE SHORES  
LIFT STATION NO. 5

LIFT STATION  
ELECTRICAL DETAILS

PROJECT	00-ED02
SHEET	
OF SHEETS	

MAR 19 2013

5



LIFT STATION CONTROL SCHEMATIC

VERIFY SCALES DRAW BY: MSB CHECKED BY: ISB DATE: 03/01/12	DESIGNED BY: ISB PROJECT NUMBER: 60224758 DATE: 03/01/12	PROJECT NUMBER: JRA S. BRANDELL, P.E. REG NUMBER: FL 65814 EXP DATE: FEB. 28, 2013	<p>AECOM Technical Services, Inc.          2800 Pine Knoll Shores Rd., Suite 600          Surfside Beach, FL 33599          T 813.776.3372 F 813.776.8531          Corporate Office: Atlanta, GA 30328          www.aecom.com</p>	TOWN OF LAKE CLARKE SHORES LIFT STATION NO. 5	SHEET: 00-E003 OF: 0003
	LIFT STATION ELECTRICAL DETAILS				
	DATE: 03/01/12				
	DESCRIPTION:				

MAR 18 2013

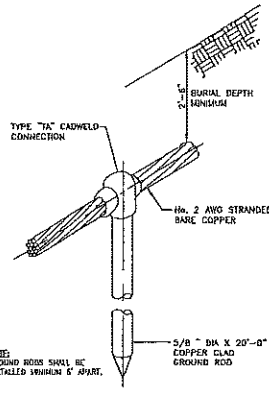
Jm

**CONTROL PANEL BILL OF MATERIAL**

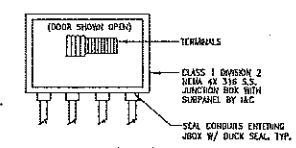
- GENERATOR RECEPTACLE - CROUSE-HINDS MH1047-522 100A
- SHOCK PROTECTIVE DEVICE SHALL BE RATED FOR USE ON THE LOAD SIDE OF THE SERVICE - TYPE 1 IN ACCORDANCE WITH UL 1418 THIRD EDITION - AN UL-RECOGNIZED 240/120V SINGLE PHASE 3-WIRE + GROUND
- SURGE CAPACITOR SHALL BE DELTA CONFIG SINGLE PHASE, OR APPROVED EQUAL
- 18-CANDELT FLUORESCENT FIXTURE WITH 18 LAMP, SIMILAR TO ESCRENT CUI201 OR APPROVED EQUAL
- STAINLESS STEEL FAN AND EXHAUST GRILL THIS SHALL BE HOFFMAN TEP055 S.S. EXHAUST GRILLE KIT, HOFFMAN TEP055 9" S.S. FAN KIT OR APPROVED EQUAL
- FAN SWITCH - HOFFMAN A5000 TEMPERATURE SENSITIVE OR APPROVED EQUAL
- CONDENSION HUMIDIFIER FOR PLACEMENT WITHIN THE PANEL - HOFFMAN A-101010
- SIGNAL SURGE ARRESTER - EDCO DR5-016 OR APPROVED EQUAL
- ALARM LIGHT - FEDERAL SIGNAL LP3P-120R 120V RED STROBE DR APPROVED EQUAL
- ALARM HORN - WACKELER SERIES 317-115V OR APPROVED EQUAL
- DOOR SWITCH - SQUARE D CLASS 3007 CP221 OR APPROVED EQUAL
- ELAPSED TIME METER - VEIDER-RODT 779536-201 120VAC OR APPROVED EQUAL
- TIME DELAY RELAY WITH OFF-DELAY - 55AC SERIES T01 OR APPROVED EQUAL
- LEAK DETECTION RELAY - 55AC 11C-4-A-15-1500V OR APPROVED EQUAL
- DUPLEX ALTERNATOR - DIVERSIFIED ELECTRONICS AA-120-ADA OR APPROVED EQUAL
- INTRINSICALLY SAFE RELAYS OR BARRIERS - GEMS, DIVERSIFIED ELECTRONICS OR APPROVED EQUAL
- BENDER GROUND FAULT MONITOR RELAY WITH SPDT OUTPUT, 120VAC, ADJUSTABLE PICKUP, ADJUSTABLE TIME DELAY, SEPARATE C.T.E. MODEL 804EMV-13 WITH NO-16 EXTERNAL CURRENT TRANSFORMER
- RELAYS - POTTER & BRADFELD, ALLEN BRADLEY OR APPROVED EQUAL
- CIRCUIT BREAKERS, PUSHBUTTONS, PUSH TO TEST LED PILOT LIGHTS, SELECTOR SWITCHES - SQUARE D
- 1000LE SWITCH - SPECIFICATION GRADE - HUBBELL
- 091 RECEPTACLE - HUBBELL 0785221 15A DUPLEX
- VARIABLE FREQUENCY DRIVE TO CONVERT SINGLE TO THREE PHASE - EMERSON, EXTON, SQUARE D

- NEVA 4X TYPE 316 STAINLESS STEEL ENCLOSURE SHALL HAVE 12 GAUGE CONSTRUCTION
- TYPE 316 STAINLESS STEEL TOP, SIDES AND FRONT SUNSHIELDS, ALUMINUM DEADFRONT
- SUNSHIELD - STEEL FINISHED WHITE
- DEADFRONT AND DOOR STOP RAILS
- TYPE 316 STAINLESS STEEL FAN RAIN HOODS
- THREE POINT PUSHABLE HANDLE, STAINLESS STEEL
- HOFFMAN SCHMAYER OR APPROVED EQUAL

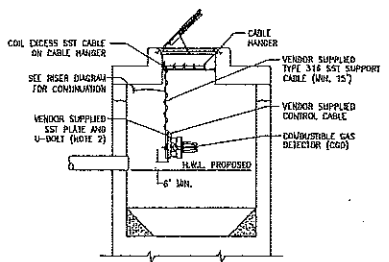
- NOTES:**
- PANEL WIRING SHALL HAVE THIN INSULATION.
  - ALL FIELD WIRING SHALL BE BROUGHT TO TERMINAL BLOCKS WITHIN THE PANEL. PROVIDE SEPARATE TERMINAL BLOCKS FOR ANALOG SIGNALS.
  - SPARE CONTACTS FOR ALL STATUS AND ALARM CONDITIONS SHALL BE BROUGHT TO A TERMINAL BLOCK.
  - EACH MOTOR BREAKER SHALL BE CAPABLE OF BEING LOCKED OUT IN THE "OFF" POSITION.
  - PROVIDE A SEPARATE BOX FOR THE INTRINSICALLY SAFE RELAYS/BARRIERS AND INTRINSICALLY SAFE TERMINAL BLOCKS.



**GROUND ROD DETAIL**  
N15

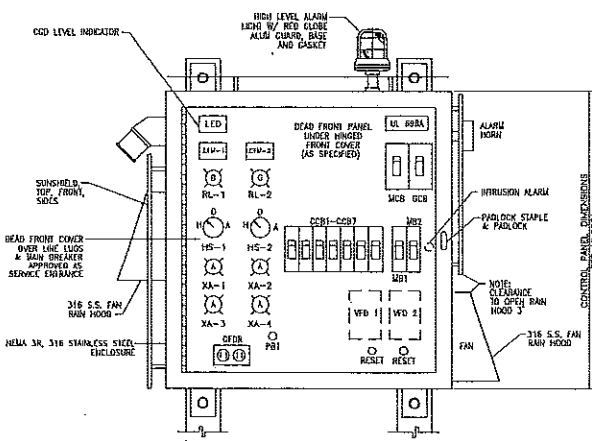


**JBOX DETAIL (TYP.)**  
N15

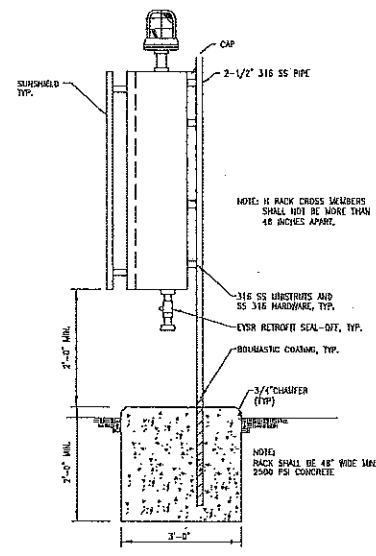


- NOTES:**
1. ALL ITEMS NOTED AS VENDOR SUPPLIED SHALL BE PROVIDED BY CGD SUPPLIER.
  2. PROVIDE SST U-BOLTS WITH CABLE TO CONNECT TO U-BOLT PROVIDED WITH PLATE.

**CGD INSTALLATION DETAIL**  
N15

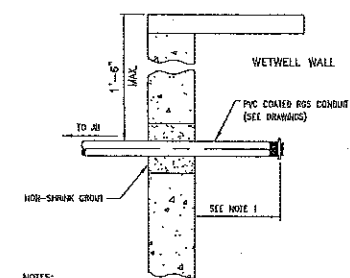


**CONTROL PANEL DEAD FRONT ELEVATION**  
N15



**SIDE VIEW OF RACK**  
N15

**NOTES:**  
TYPE 316 SS SUNSHIELD TOP, FRONT AND SIDES



- NOTES:**
1. LENGTH FIELD VERIFIED TO TERMINATE UNIFORMLY 5" FROM OPEN HATCH.
  2. ALL CABLES LOOPEO ONTO CABLE HANGER.

**WET WELL PENETRATION DETAIL**  
N15

**TYPICAL CONDUIT END STRAIN RELIEF**  
N15

<p><b>VERIFY SCALES</b></p> <p>DATE: 03/01/12</p>	<p>ISSUED BY: JSD</p> <p>DESIGNED BY: JRA S. BRANDELL, P.E.</p> <p>CHECKED BY: MSB</p> <p>DATE: FEB. 28, 2013</p>	<p><b>AECOM</b></p> <p>AECOM Technical Systems, Inc. 2000 Palm Beach Lakes Blvd, Suite 800 West Palm Beach, Florida 33411 Tel: 561.441.3372 www.aecom.com</p>	<p>TOWN OF LAKE CLARKE SHORES LIFT STATION NO. 5</p> <p>LIFT STATION ELECTRICAL DETAILS</p>	<p>DRAWING: 00-E004</p> <p>SHEET: 01</p> <p>DATE: 03/01/12</p>
---	---	---	---	--

**CHANGE ORDER ADDITIONS/DELETIONS SUMMARY**

PROJECT:	Town of Lake Clark Shore Sewer Rehab	<u>APPROVAL LIMITS:</u>						
CONTRACTOR:	Lanzo Lining Service	DEPARTMENT HEAD	CONTRACT REVIEW COMMITTEE	DEPARTMENT HEAD PLUS CONTRACT REVIEW COMMITTEE				
PROJECT NO.:	11-139	(Amount)	(Days)	(Amount)	(Days)	(Amount)	(Days)	
RESOLUTION:	R2012-0334							
DATE APPROVED:	03/06/12	INDIVIDUAL C.O.	\$50,000.00	16 Days	\$100,000.00	33 Days	\$0	0 Days
CONTRACT AMOUNT:	\$473,280.00	CUMMULATIVE C.O.	\$25,000.00	33 Days	\$100,000.00	33 Days	\$200,000.00	63 Days

CO	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	pending	0.00	0	0	0	0	0	0	0	120	0.00

TOTAL		0	0	0	0	0	0	0	0	120	0
-------	--	---	---	---	---	---	---	---	---	-----	---

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 = \$1000 (Prior to Substantial Completion) and = \$ 500 (After Substantial Completion).

MAR 19 2013



SCHEDULE 1

PARTICIPATION BY SBE/WBE SUBCONTRACTORS

MAR 19 2013

PROJECT NAME: Lake Clark Shore Sewer Rehab

11-139

NAME OF PRIME CONTRACTOR: Lanzo Lining Contracting Corp Change Order NO.1 \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ PHONE NO: \_\_\_\_\_ FAX NO. \_\_\_\_\_

Change Order No: 1 \_\_\_\_\_ DEPARTMENT: Water Utilities

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>\$473,280.00</u>	Original Participation	<u>113,271.30</u>	Percent Participation	<u>23.93</u>
Adjusted Contract Amount	<u>\$473,280.00</u>	Adjusted Participation	<u>113,271.30</u>	Adjusted Percent	<u>23.93</u>

M/WBE

*gm*

**PALM BEACH COUNTY  
INTER-OFFICE MEMORANDUM**

**DATE:** May 9, 2013

**TO:** Maurice Tobon, P.E, Director  
Water Utilities Department

**FROM:** Edward W. Lowery, Director  
Housing & Community Development

**RE: Budget Availability Statement  
Lake Clark Shores - Seminole Manor - Electrical Work**

This represents our Budget Availability Statement (BAS) for the referenced project as follows:

Budget Account No:	Amount	Purpose
Fund <u>1101</u> Dept <u>143</u> Org <u>1431</u> Obj <u>8201</u> Program Code/Period <u>BG48A-GY11</u>	\$27,781	Construction Costs
//////////////////////////////////// Total	\$27,781	////////////////////////////////////

If you require any further information on the above, please contact Bud Cheney, Manager, CREIS, at 233-3691.

*Edward W. Lowery* 5/9/2013

Edward W. Lowery, Director  
Housing and Community Development