



March 9, 2023

Jonathan Cooper, P.E.  
City of Pembroke Pines  
8300 South Palm Drive  
Pembroke Pines, FL. 33025

**RE: Water Treatment Plant Building Improvements/Renovations  
Design and Construction Phase Engineering Services  
City of Pembroke Pines**

RECEIVED BY  
PUBLIC SERVICES DEPT  
2023 MAR 15 PM 2:55

Dear Jonathan,

With reference to our telephone conversation, Lakdas/Yohalem Engineering, Inc (LYE) would be pleased to provide structural engineering services for the above reference project.

LYE'S Services Include the Following:

1. All related corrective work is specified in our evaluation report dated 03-08-23.
2. Improvements to the structure inside and outside the existing electrical building for proposed electrical improvements.

Our fee for the said services would be as follow:

Design Services

- Main Electrical Room
- Generator Building
- Reroofing of Generator Building

Design Services						
	Principal	Project Eng.	Engineer	Clerical	Total Hrs.	Total Amount
	\$ 200.00	\$ 145.00	\$ 115.00	\$ 65.00		
Main Electrical Room	2	24	24	3	53	\$ 6,835.00
Generator Building	2	32	32	2	68	\$ 8,850.00
Re-Roofing Work over the Generator Room	2	12	24	1	39	\$ 4,965.00
<b>Total</b>	<b>6</b>	<b>68</b>	<b>80</b>	<b>6</b>	<b>160</b>	<b>\$ 20,650.00</b>

Our fee for the said services would be \$20,650.

- 2211 N.E. 54<sup>th</sup> Street, Ft. Lauderdale, FL 33308 – (954) 771-0630 – Fax (954) 771-0519
    - 580 Village Blvd. Suite 325 West Palm Beach, FL 33409
    - 16250 NW 59 Ave, #207A, Miami Lakes, FL 33014
- Lye@lyengineering.com



**LAKDAS / YOHALEM ENGINEERING, INC.**  
Consulting Engineers EB 0005458  
"Zone of Excellence in Engineering" ®

Lakdas Nanayakkara, P.E  
C Eng., M.I. Str.Eng (London)

Pre-Construction Services						
	Principal	Project Eng.	Engineer	Clerical	Total Hrs.	Total Amount
	\$ 200.00	\$ 145.00	\$ 115.00	\$ 65.00		
Review Shop Drawing	2	2		2	6	\$ 820.00
Reply to Contractor RFI	2	2		1	5	\$ 755.00
<b>Total</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>11</b>	<b>\$ 1,575.00</b>

**Our fee for the said services would be \$1,575.**

Construction Phase Inspection Services

We will provide periodic inspections during construction. The said services would be done hourly with a minimum of \$460 per visit.

**We estimate a total of 6 site visits during construction totaling \$2,760.**

**Our total fee for the design, pre-construction, and construction phase engineering services would be \$24,985.**

Should you require any additional site visits we will inform you in advance prior to proceeding with the work.

Please sign and return this proposal or provide our office with a purchase order so that we can schedule the work.

Sincerely,

Lakdas Nanayakkara, P.E. #37590

Accepted By: Jonathan Cooper, P.E.

Date

- 2211 N.E. 54<sup>th</sup> Street, Ft. Lauderdale, FL 33308 – (954) 771-0630 – Fax (954) 771-0519
    - 580 Village Blvd. Suite 325 West Palm Beach, FL 33409
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March 09, 2023

## **Cost Estimate**

Approximate Cost Estimate for Pembroke Pine Water Treatment Plant. This document is to serve as an estimate only. The price obtained are gathered from other projects ongoing at this time (prices are up to date and accurate). Costs reflected here include labor costs and the unit cost reflects labor (installation).

### **HSP Electrical Room, Main Electrical Room, Generator Room Cost Estimate**

Roofing:								
Replacement new roofing with tapered insulation			6,500-ft²		×	\$30-psf	\$195,000	
3. Wall Openings:								
Double Door	6'4 x 7'2	1	×	\$7,500/	\$7,500			
Single Doors	3'4 x 7'4	2	×	\$3,500/	\$7,000			
Windows	3'2 x 3'2	0	×	\$150-psf	\$1,504.18			
Crack in Concrete	0	0	×	\$175-psf	\$0			
Replace Windowsill	0	0	×	\$150-plf	\$0			
Repair and Waterproof (containment area)	11'4 x 2'2 x 2'0	1	x	\$20-psf	\$1,300			
Demolition of Existing Doors:								
		3	×	\$1,000/	\$3,000			
New Louvers:								
	11'4	×	7'2	×	1	×	\$125/	\$10,152.53
	11'4	×	10'2	×	3	×	\$125/	\$43,195.77
Total Estimate								\$268,652.48

## Hernandez, Catherine

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**From:** Cooper, Jonathan  
**Sent:** Tuesday, March 14, 2023 3:55 PM  
**To:** Hernandez, Catherine  
**Cc:** Lakdas (lye@lyengineering.com); Bailey, Michael  
**Subject:** Fw: City of Pembroke Pies WTP Building Improvements Renovations  
**Attachments:** City of Pembroke Pines WTP Building ImprovementsRenovations.pdf; Pembroke Pines \_WWTP - Cost Estimate Latest Revision Completed 03\_09\_23 Pravin .docx

Cathy,  
Please process a PO for the attached design proposal. Also attached is the engineers cost estimate for the work. This project is below the CCNA limit.  
Thanks,  
Jon Cooper

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**From:** Lakdas Nanayakkara <LYE@lyengineering.com>  
**Sent:** Thursday, March 9, 2023 4:32 PM  
**To:** Cooper, Jonathan <jcooper@ppines.com>  
**Subject:** RE: City of Pembroke Pies WTP Building Improvements Renovations

Caution! This message was sent from outside your organization.

[Allow sender](#) | [Block sender](#)

Hi Jonathan,

Please see the attached proposal for the above-referenced project.

Regards,  
Lakdas Nanayakkara, P.E.



**LAKDAS/YOHALEM  
ENGINEERING, INC.**  
CONSULTING ENGINEERS

2211 NE 54th Street  
Fort Lauderdale, FL 33308

ph: (954) 771-0630

fax: (954) 771-0519

email: [lye@lyengineering.com](mailto:lye@lyengineering.com)

## Walsh, Johanna

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**From:** Walsh, Johanna  
**Sent:** Monday, March 20, 2023 11:21 AM  
**To:** Hernandez, Catherine  
**Subject:** Lakdas WTP Building Improvements/Renovations Requisition request  
**Attachments:** DOC032023-03202023105959.pdf

Good morning Ms. Cathy,

Per our conversation, please review and advice for this request, since we have already a PO(20230446) open for the same project.

Thank you.

Best regards,

Johanna Walsh  
City of Pembroke Pines - Office of the Controller Accounts Payable Clerk II  
8300 S. Palm Drive  
Pembroke Pines, FL 33025  
Email: jwalsh@ppines.com  
Phone: 954-518-9031 Ext. 59031

-----Original Message-----

From: toshiba copier <tbs.fl.ga@gmail.com>  
Sent: Monday, March 20, 2023 11:01 AM  
To: Walsh, Johanna <jwalsh@ppines.com>  
Subject: Send data from MFP11437001 03/20/2023 11:00

Scanned from MFP11437001  
Date:03/20/2023 11:00  
Pages:4  
Resolution:200x200 DPI  
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## Walsh, Johanna

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**From:** Hernandez, Catherine  
**Sent:** Tuesday, March 21, 2023 3:09 PM  
**To:** Walsh, Johanna  
**Cc:** Fernandez, Gabriel; Bailey, Michael  
**Subject:** RE: Lakdas WTP Building Improvements/Renovations Requisition request  
**Attachments:** Lakdas WTP Improvements.pdf; Purchase Order - Pines Analysis Template - 20230446\_N.pdf

Good afternoon Johanna,

Please put the attached requisition request through. The initial PO, 20230446 was to provide the City with a cost estimate. The resulting cost estimate to design the electrical room, generator room & re-roofing was the quoted \$20,650.00. Pre-construction engineering and site visits are quoted at \$4,335. The combined total would be \$24,985.

The estimated construction cost would be \$268,652.48. Therefore, CCNA requirements would not come into play.

Let me know if additional information might be needed.

Thank you,

Cathy Hernandez  
(954) 518-9018

-----Original Message-----

**From:** Walsh, Johanna <jwalsh@ppines.com>  
**Sent:** Monday, March 20, 2023 11:21 AM  
**To:** Hernandez, Catherine <cahernandez@ppines.com>  
**Subject:** Lakdas WTP Building Improvements/Renovations Requisition request

Good morning Ms. Cathy,

Per our conversation, please review and advice for this request, since we have already a PO(20230446) open for the same project.

Thank you.

Best regards,

Johanna Walsh  
City of Pembroke Pines - Office of the Controller Accounts Payable Clerk II  
8300 S. Palm Drive  
Pembroke Pines, FL 33025  
Email: jwalsh@ppines.com  
Phone: 954-518-9031 Ext. 59031

-----Original Message-----

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Subject: Send data from MFP11437001 03/20/2023 11:00

Scanned from MFP11437001

Date:03/20/2023 11:00

Pages:4

Resolution:200x200 DPI

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City of Pembroke Pines  
601 City Center Way  
Pembroke Pines, FL 33025



## Purchase Order

Fiscal Year 2023

Page 1 of 1

**THIS NUMBER MUST APPEAR ON ALL INVOICES,  
PACKAGES, AND SHIPPING PAPERS.**

Purchase Order Number **20230446**  
Purchase Order Date **12/01/2022**  
Department **Utilities Admin Services**

Bill To  
Public Services Department  
8300 S. Palm Drive  
PEMBROKE PINES, FL 33025

PSPW01

Ship To  
Utilities Division  
8300 S. Palm Drive  
PEMBROKE PINES, FL 33025

PSUT01

Vendor 3612  
LAKDAS/YOHALEM ENGINEERING, INC.  
DBA: LAKDAS/YOHALEM ENGINEERING, INC.  
2211 NE 54 STREET  
FT LAUDERDALE, FL 33308

**IF DELIVERY CANNOT BE MADE ON, OR BEFORE THE  
DATE NEEDED, PLEASE NOTIFY THE DEPARTMENT  
INITIATING THIS ORDER AT ONCE.**

VENDOR PHONE NUMBER	VENDOR FAX NUMBER	VENDOR NUMBER	REQUISITION NUMBER	DELIVERY REFERENCE
305-771-0630		3612	230472	

### NOTES

WTP Building Improvements/Renovations

The Above Purchase Order Number Must Appear On All Correspondence - Packing Sheets And Bills Of Lading

ITEM #	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	EXTENDED PRICE
1	Principal Engineer @Main Electrical Room & Generator Building Ship Email: <a href="mailto:AP-Utility@ppines.com">AP-Utility@ppines.com</a> GL #: 471-533-6031-531100-0000-000-0000-	2.0000	HOUR	\$200.0000	\$400.00
					\$400.00
2	Project Engineer @Main Electrical Room & Generator Building Ship Email: <a href="mailto:AP-Utility@ppines.com">AP-Utility@ppines.com</a> GL #: 471-533-6031-531100-0000-000-0000-	32.0000	HOUR	\$145.0000	\$4,640.00
					\$4,640.00
3	Staff Engineer @Main Electrical Room & Generator Building Ship Email: <a href="mailto:AP-Utility@ppines.com">AP-Utility@ppines.com</a> GL #: 471-533-6031-531100-0000-000-0000-	32.0000	EACH	\$115.0000	\$3,680.00
					\$3,680.00
4	Clerical Engineer @Main Electrical Room & Generator Building Ship Email: <a href="mailto:AP-Utility@ppines.com">AP-Utility@ppines.com</a> GL #: 471-533-6031-531100-0000-000-0000-	4.0000	EACH	\$65.0000	\$260.00
					\$260.00

This purchase order ("PO") is the CITY's offer to purchase goods and/or services provided for herein from the Vendor. The term "goods" includes, but is not limited to, the delivery, in good working order, and installation of the subject good and any accessory goods required under the PO. Vendors are instructed to decline orders for any goods not specifically included in this PO. The City of Pembroke Pines ("CITY") will not honor any payment requests for any goods delivered to the CITY under this PO, but not specifically referenced in the contract or quote. The City's placement of this order is expressly conditioned upon the Vendor's acceptance of all the terms and conditions of purchase contained on or attached to this PO. Vendor shall refrain from shipping any goods or performing any services for the CITY until Vendor is in receipt of an official CITY PO. Failure to follow this directive may result in delay of payment or refusal of payment by the CITY.

**85-8013818682C-8**  
Florida State Tax Exemption #

**59-0908106**  
Federal Identification #

Total Ext. Price \$8,980.00  
Purchase Order Total **\$8,980.00**