

## GUARANTEED MAXIMUM PRICE AMENDMENT

**EXHIBIT “R” TO CONSTRUCTION MANAGEMENT AGREEMENT DATED NOVEMBER 19, 2024 BETWEEN VILLAGE OF WELLINGTON AND WHARTON-SMITH, INC. (“CONSTRUCTION MANAGER”) FOR THE MEMBRANE PLANT 2 EXPANSION (“PROJECT”) MADE THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2025.**

### ARTICLE 1 - GUARANTEED MAXIMUM PRICE

#### 1.1 Guaranteed Maximum Price (“GMP”)

Pursuant to Section 3.2 of the Agreement, the Owner and Construction Manager hereby amend the Agreement to establish a Guaranteed Maximum Price. As agreed by the Owner and Construction Manager, the Guaranteed Maximum Price is an amount that the Contract Sum shall not exceed. The Contract Sum consists of the Construction Manager’s Fee plus the Cost of the Work, as that term is defined in Article 8 of this Agreement, and the Owner’s Contingency. There shall be no Fee on Owner’s Contingency unless and until such time as use of the Owner’s Contingency is authorized by Owner. Notwithstanding, Manager’s insurance and bond costs shall not be subject to Construction Manager’s Fee.

1.1.1 The Contract Sum is guaranteed by the Construction Manager not to exceed Two Million Seven Hundred Seventy-Five Thousand Fifteen Dollars (\$2,775,015) subject to additions and deductions by Change Order as provided in the Contract Documents. The GMP is subject to Construction Manager’s Assumptions and Clarifications to the GMP attached as **Exhibit “R5”**.

1.1.2 Allowances included in the Guaranteed Maximum Price are attached as **Exhibit “R4”**.

1.1.3 The Guaranteed Maximum Price includes a fixed amount for General Conditions and General Requirements of Eight Hundred Thirty Two Thousand Three Hundred Ninety-Nine Dollars (\$832,399) as detailed in **Exhibit “R7”**. Construction Manager’s General Conditions and General Requirements are fixed and shall not be subject to increase or decrease unless authorized by written Change Order as set forth in the Agreement.

1.1.4 The GMP includes an Owner’s Contingency in the amount of One Hundred Fifty Thousand Dollars (\$150,000) to be utilized as set forth in 7.2.3 of the Agreement.

1.1.5 It is the intent and understanding of Construction Manager in providing a GMP for this Work, that the Drawings, Plans and Specifications listed in the attached **Exhibit “R1”** provide for the construction of completed Work by the Construction Manager, including all devices, fasteners, materials or other work not shown in the Drawings and Specifications but which are reasonably inferable therefrom and any and all incidental accessories necessary to make the Work complete and operable in all respects (even if not specified in the description of the Work, but necessary for proper installation and operation of the Work under the Drawings and Specifications), all of which shall be included as part of the Cost of the Work. The expression "reasonably inferable" and similar terms in the Contract Documents shall be interpreted to mean reasonably inferable by a construction manager and general contractor familiar with the Project, having performed extensive Preconstruction Services, and exercising the care, skill and diligence of the Construction Manager by the Contract Documents. Notwithstanding, the foregoing shall not be construed to impose any design responsibility or liability on Construction Manager except where such design responsibility is an existing requirement of Florida law or the Contract Documents.

1.2 **Schedule of Values.** The Schedule of Values allocating the Contract Sum to the various portions of the Work is attached as **Exhibit “R2”**. The Construction Manager shall not imbalance its Schedule of Values nor artificially inflate any element thereof. Any violation of this provision by the Construction Manager shall constitute a material breach of this Construction Management Agreement. The Schedule of Values shall allocate the entire Guaranteed Maximum Price among the various portions of the Work, except that the Construction Manager’s Fee shall be shown as a single separate item.

## ARTICLE 2 – CONTRACT TIME

2.1 Date of Commencement. The Work to be performed under this Construction Management Agreement shall be commenced upon the issuance of a Notice to Proceed from Owner (“Date of Commencement”).

2.2 Contract Time. Construction Manager shall meet all Milestones outlined in **Exhibit “R3”** and the entire Project shall reach Substantial Completion no later than 527 calendar days from the Date of Commencement. Construction Manager shall reach Final Completion no later than 30 days from the delivery of the Punch List as outlined in Paragraph 14.04(G) of the General Conditions, subject to any authorized extensions of time as set forth in the Contract Documents. All Work shall be performed in an expeditious manner.

2.2.1 Liquidated Damages. The parties to this Agreement agree that time is of the essence in the performance of this Agreement. Substantial Completion of the Work under this Agreement, as defined in Article 1 of the General Conditions shall be no later than the Substantial Completion date set forth in Section 2.2 of this GMP Amendment, subject to authorized extensions of time as set forth in the Article 12 of the General Conditions. In the event the Work is not substantially completed by the completion date stated above, and has not been extended by Change Order, the Owner shall be entitled to collect liquidated damages. Construction Manager and Owner agree that, because of the nature of the Work, the inability of the parties to precisely calculate actual damages for delay and the difficulty of determining these damages, the Construction Manager shall pay the Owner the sum of **Five Hundred dollars (\$500)** for each calendar day of unexcused delay for failure to achieve Substantial Completion of the Work. Further, Construction Manager and Owner agree that, because of the nature of the Work, the inability of the parties to precisely calculate actual damages for delay and the difficulty of determining these damages, the Construction Manager shall pay the Owner the sum of **Two Hundred Fifty dollars (\$250)** as liquidated damages for each and every calendar day of unexcused delay for failure to achieve Final Completion. It is hereby agreed that the amount of the per diem assessment for liquidated damages for the Construction Manager’s failure to achieve Substantial Completion of the Work or Final Completion of the Work within the time specified in this Agreement is not a penalty and not excessive in light of the circumstances known to the parties at the time this Agreement is executed. The Owner’s exercise of its right to terminate this Agreement shall not release the Construction Manager from its obligation to pay liquidated damages in the amount set forth herein. Such assessments shall be immediately due and payable to the Owner or, at the Owner’s option, may be deducted from future payments that may be due and owing to Construction Manager. Any sums due and payable hereunder by the Construction Manager shall be payable, not as a penalty, but as liquidated damages representing an estimate of delay damages likely to be sustained by the Owner, estimated at or before the time of executing this Agreement. Construction Manager’s liability for liquidated damages shall survive completion and termination of the Agreement and are in addition to Owner’s other remedies available under the Contract Documents and by law.

## ARTICLE 3 - MISCELLANEOUS

3.1 In addition to Construction Manager’s and Subcontractor’s warranty set forth in 6.19 of the General Conditions, Construction Manager shall be responsible for providing the Extended Warranties as set forth in **Exhibit “R6”**.

3.2 The GMP Amendment incorporates the following exhibits:

1. Drawings, plans and specifications listed in the attached List of Drawings attached hereto as **Exhibit “R1”**;
2. Construction Manager’s Schedule of Values to be attached as **Exhibit “R2”**;
3. Construction Schedule to be attached as **Exhibit “R3”**;
4. Construction Manager’s Allowances to be attached as **Exhibit “R4”**;
5. Construction Manager’s Assumptions and Clarifications to the GMP, if any, to be attached as **Exhibit “R5”**;

6. List of extended warranties to be attached as **Exhibit “R6”**;
7. Construction Manager’s Stipulated General Conditions and General Requirements to be attached as **Exhibit “R7”**.
8. Submittal Schedule to be attached as **Exhibit “R8”**.

This GMP Amendment and all Exhibits are hereby incorporated as part of the Contract Documents as defined in the Agreement.

3.3 Construction Manager shall deliver Public Construction Bond in accordance with Fla. Stat. §255.05 and the forms set forth as **Exhibit “E”** from a surety registered in Florida and acceptable to Owner for the full value of the Guaranteed Maximum Price, plus all change orders.

3.4 Other than as modified herein, the terms and conditions set forth in the Agreement, General Conditions and other Contract Documents remain in full force and effect.

IN WITNESS WHEREOF, Owner and Construction Manager have signed this GMP Amendment. One counterpart each has been delivered to Owner, Construction Manager, and the Engineer. All portions of the Contract Documents have been signed or identified by Owner and Construction Manager or by the Engineer on their behalf.

[SIGNATURES ON FOLLOWING PAGE]

**OWNER:**

VILLAGE OF WELLINGTON

By \_\_\_\_\_

Michael Napoleone, Mayor

Attest: \_\_\_\_\_

Chevelle Hall, Wellington's Clerk

(SEAL)

Address for giving notices

**12300 Forest Hill Boulevard**

**Wellington, Florida 33414**

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY

\_\_\_\_\_

Laurie Cohen, Attorney for Wellington

**CONSTRUCTION MANAGER:**

WHARTON-SMITH, INC.

By \_\_\_\_\_

Printed Name/Title \_\_\_\_\_

Attest: \_\_\_\_\_

Printed Name

(CORPORATE SEAL)

Address for giving notices

**5210 Hood Road**

**Palm Beach Gardens, FL 33418**

License No. CGC1511243

Agent for service of process:

\_\_\_\_\_

(If Construction Manager is a corporation, attach evidence  
of authority to sign.)

**CORPORATE RESOLUTION**

I, the undersigned Secretary of Wharton Smith, Inc., a corporation organized and existing under the laws of the State of Florida, do hereby certify that a meeting of the Board of Directors of said corporation, duly held on February 13, 2023, a quorum being present, the following resolution was adopted and entered upon the regular minute book of said corporation, is in accordance with the by-laws and is now in full force and effect to-wit:

**The current list of qualifiers** to act for the business organization in all matters connected with its contracting business has now been amended to read:

- Ronald F. Davoli
- George E. Smith
- Timothy S. Smith
- Stephanie L. Pompeo
- Patrick J. Hewitt
- Kenneth E. Marcell III
- Darin A. Crafton
- Todd H. O'Donnell
- Gregory L. Williams
- Thomas D. Iarossi
- Andre P. Boagni

I HEREBY certify that the foregoing is a true and exact copy of the resolution adopted by the Board of Directors of this Corporation and that such resolution has not been amended, modified, or revoked and is still in force and effect.

Signed and sealed this 13th day of February 2023.  
(Seal of Corporation)



*George E. Smith*  
George E. Smith, Director  
*Timothy S. Smith*  
Timothy S. Smith, Director  
*Ronald F. Davoli*  
Ronald F. Davoli, Director

*Stephanie L. Pompeo*  
Stephanie L. Pompeo, Secretary



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## Detail by Entity Name

Florida Profit Corporation  
WHARTON-SMITH, INC.

### Filing Information

<b>Document Number</b>	G94383
<b>FEI/EIN Number</b>	59-2392802
<b>Date Filed</b>	04/03/1984
<b>Effective Date</b>	04/02/1984
<b>State</b>	FL
<b>Status</b>	ACTIVE
<b>Last Event</b>	AMENDMENT
<b>Event Date Filed</b>	03/21/2024
<b>Event Effective Date</b>	NONE

### Principal Address

750 MONROE RD  
SANFORD, FL 32771

Changed: 04/25/2006

### Mailing Address

750 Monroe Road  
Sanford, FL 32771

Changed: 01/02/2020

### Registered Agent Name & Address

CORPORATION SERVICE COMPANY  
1201 HAYS STREET  
TALLAHASSEE, FL 32301-2525

Name Changed: 10/07/2019

Address Changed: 10/07/2019

### Officer/Director Detail

#### **Name & Address**

Title President, CEO, Treasurer

SMITH, TIMOTHY S  
750 MONROE RD  
SANFORD, FL 32771

Title Chairman, Asst. Secretary

DAVOLI, RONALD F  
750 MONROE RD  
SANFORD, FL 32771

Title Director

Marcell , Kenneth E, III  
750 MONROE RD  
SANFORD, FL 32771

Title COO

HEWITT, PATRICK J  
750 MONROE RD  
SANFORD, FL 32771

Title COO

CRAFTON, DARIN A  
750 MONROE ROAD  
Sanford, FL 32771

Title Director

O'Donnell, Todd H  
750 MONROE RD  
SANFORD, FL 32771

Title Director

Williams, Gregory L  
750 MONROE RD  
SANFORD, FL 32771

Title CFO, Secretary

POMPEO, STEPHANIE  
750 MONROE RD  
SANFORD, FL 32771

Title Director

BOAGNI, ANDRE  
750 MONROE RD  
SANFORD, FL 32771

**Annual Reports**

Report Year	Filed Date
2023	01/03/2023
2024	01/03/2024
2025	01/08/2025

**Document Images**

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Florida Department of State, Division of Corporations

# WTP Membrane Plant #2 Expansion Village of Wellington



## GMP Proposal

February 26, 2025

Presented by Wharton-Smith (CMAR)



Wharton-Smith Contact:  
Josh Burns – Project Executive  
[jburns@whartonsmith.com](mailto:jburns@whartonsmith.com)

Engineer: Kimley-Horn

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## SECTION 1 – EXECUTIVE SUMMARY

February 26, 2025

Ms. Anjali Panse, PE  
Utility Director  
Village of Wellington  
1100 Wellington Trace  
Wellington, FL 33414

Re: WTP Membrane Plant 2 Expansion  
GMP Proposal

Dear Ms. Panse:

Wharton-Smith is pleased to submit the Guaranteed Maximum Price (GMP) proposal for the WTP Membrane Plant 2 Expansion project. A comprehensive breakdown of material, equipment, subcontractor, and labor is provided in the supporting documentation following this letter. The GMP is valued at **\$2,775,015.00**.

Please note the following clarifications regarding this proposal:

1. Per discussions with the Village of Wellington, the following items are provided in accordance with the CMAR GMP Amendment Guide:
  - a. The Daily Liquidated Damages are as follows:
    - i. \$500 per calendar day for Substantial Completion
    - ii. \$250 per calendar day for Final Completion.
  - b. The GMP includes an Owner Controlled Contingency of \$150,000.00.
  - c. Project shall reach Substantial Completion no later than 527 calendar days from the Date of Commencement.
  - d. The following is a list of the competitively bid work packages and the recommended low responsive bidder for each. Please refer to Section 3 for the detailed bid evaluations.
    - i. Membrane System OEM – Aerex
    - ii. Master Plant Contractor – Wharton-Smith
  - e. There are no proposed Owner Direct Purchases for this project.
  - f. The proposed GMP is valued at \$2,775,015.00. Refer to Exhibit R2 for the Cost of Work organized by the scope of work bid packages, allowances, Owner's Contingency, and the Construction Manager's Fee.
2. The work is in accordance with Kimley-Horn's "WTP Membrane Plant #2 (M2) Expansion" drawings dated November 2024. Please refer to Section 2 for the Drawings and Specifications.
3. The GMP includes work for the Membrane Plant 2 expansion along with the associated piping and structural modifications. Pricing for the bid proposals received will remain valid for a period of one hundred and eighty (180) days after the bid date.
4. We have included an Owner Controlled Contingency of \$150,000.00. Please note that this contingency is currently shown below the line without fee, fee to be included on contingency usage once brought into the project as approved by the Village of Wellington.
5. We have included the following allowances for work items with undefined scopes at this time. Please note that the allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by the Village of Wellington.

- a. Building Permits - \$10,000
  - b. Independent Testing - \$7,500
  - c. Painting - \$30,000
  - d. Material Escalations - \$100,000
6. Storm water pollution prevention (SWPPP) costs are not included.
  7. We have included a performance and payment bond and insurances.
  8. ERP, FDEP, FDOT, & ROW permit costs are by others.
  9. Costs associated with Davis-Bacon Wages & AIS requirements have not been included at this time.
  10. It is assumed that the Village of Wellington will provide power and water for use during construction and startup at no cost.
  11. We have not included installation and removal costs for the construction trailers, temporary water system, and internet.
  12. Price includes 12 months of General Conditions and General Requirements. However, as requested by the Village of Wellington, construction trailers and internet were carried for 3 additional months to cover the downtime between the end date of the last CMAR project at the Water Treatment Plant and the start date/mobilization of M2 Expansion. Any additional costs to maintain the construction trailers and internet onsite due to delays with M2 Expansion start date will be submitted to the Owner and billed against the Owner's Contingency.
  13. We have not included any costs for electrical or instrumentation/control scope of work as there is currently none defined for this project scope.
  14. We have not included any costs for Lead/Asbestos Survey nor abatement of any kind.
  15. Cost Estimate and schedule reflect installing Protec pressure vessels on Trains 6 and 7 and keeping Codeline on Train 8.
  16. Pricing includes no knowledge of buried or concealed conditions beyond what is indicated or shown on documents received to date. Unforeseen conflicts and utilities will be submitted as additional costs.
  17. All Pricing (Labor, Material, Equipment, Subcontract) is based on current market value with no escalation or inflation adjustment. Duration of Material lead times are based on current market conditions.
  18. Please refer to Section 4 for the proposed GMP schedule. Please note that the P6 schedule is referenced in "work days" as the program automatically accounts for weekends and holidays. The contract time is expressed in "calendar days". 558 calendar days from Notice of Commencement to Final Completion indicated equates to the 388 work days shown in the P6 schedule. Our current estimated duration of on-site construction is 12 months. We have included project management staff that is appropriate for this project.

As always, I am available to discuss at your earliest convenience.

Very respectfully,

Josh Burns  
Project Executive  
Wharton-Smith, Inc.

## SECTION 2 – EXHIBIT R1 DRAWINGS, PLANS AND SPECIFICATIONS

# WTP MEMBRANE PLANT #2 (M2) EXPANSION

PREPARED FOR  
**VILLAGE OF WELLINGTON**  
**NOVEMBER 2024**



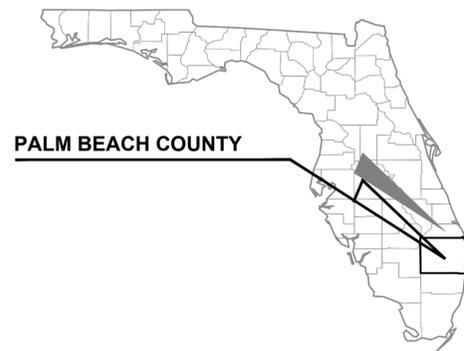
### VILLAGE COUNCIL

MAYOR  
 VICE MAYOR  
 COUNCILWOMAN  
 COUNCILWOMAN  
 COUNCILWOMAN

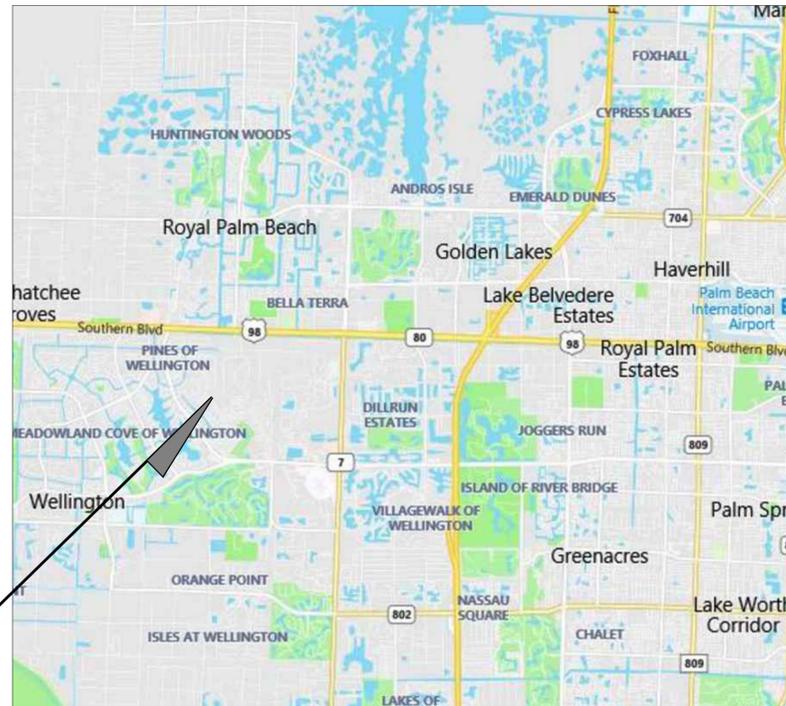
MICHAEL J. NAPOLEONE  
 JOHN T. McGOVERN  
 TANYA SISKIND  
 MARIA S. ANTUÑA  
 AMANDA SILVESTRI

VILLAGE MANAGER  
 ASSISTANT VILLAGE MANAGER  
 DEPUTY VILLAGE MANAGER  
 UTILITY DIRECTOR

JIM BARNES  
 ED DE LA VEGA  
 TANYA W. QUICKEL  
 ANJULI PANSE, P.E.



VICINITY MAP  
 N.T.S. or AS NOTED



PROJECT LOCATION  
 VOW WTP  
 1100 WELLINGTON TRACE  
 WELLINGTON, FL 33414

LOCATION MAP  
 N.T.S.

SHEET LIST	
Sheet Number	Sheet Title
M-1	COVER SHEET
M-2	SITE KEY MAP AND GENERAL NOTES
M-3	M2 PROCESS FLOW DIAGRAM
M-4	TRAIN 6 & 7 EXPANSION NFF & NFC SECTIONS
M-5	TRAIN 6 EXPANSION NFI SECTIONS
M-6	TRAIN 6 EXPANSION NFP SECTIONS
M-7	TRAIN 6 NFP DETAILS
M-8	TRAIN 7 EXPANSION NFI SECTIONS
M-9	TRAIN 7 EXPANSION NFP SECTIONS
M-10	TRAIN 7 NFP DETAILS
M-11	PROCESS ROOM TRENCH PLAN AND DETAILS
M-12	TRAINS 6 & 7 FRAME DETAILS
M-13	TRAINS 6 & 7 SAMPLE PANEL DETAILS
M-14	TRAIN 8 EXPANSION SECTIONS
D-1	CONSTRUCTION DETAILS

**PBCHD SUBMITTAL**

**NOT FOR CONSTRUCTION**

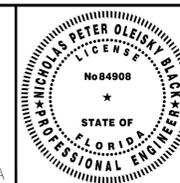
No.	REVISIONS	DATE	BY

**Kimley»Horn**

© 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
 1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT  
 144957082  
 DATE  
 NOV 2024  
 SCALE AS SHOWN  
 DESIGNED BY NPOB  
 DRAWN BY AH  
 CHECKED BY JEP

**WTP MEMBRANE PLANT #2 (M2)  
 EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA

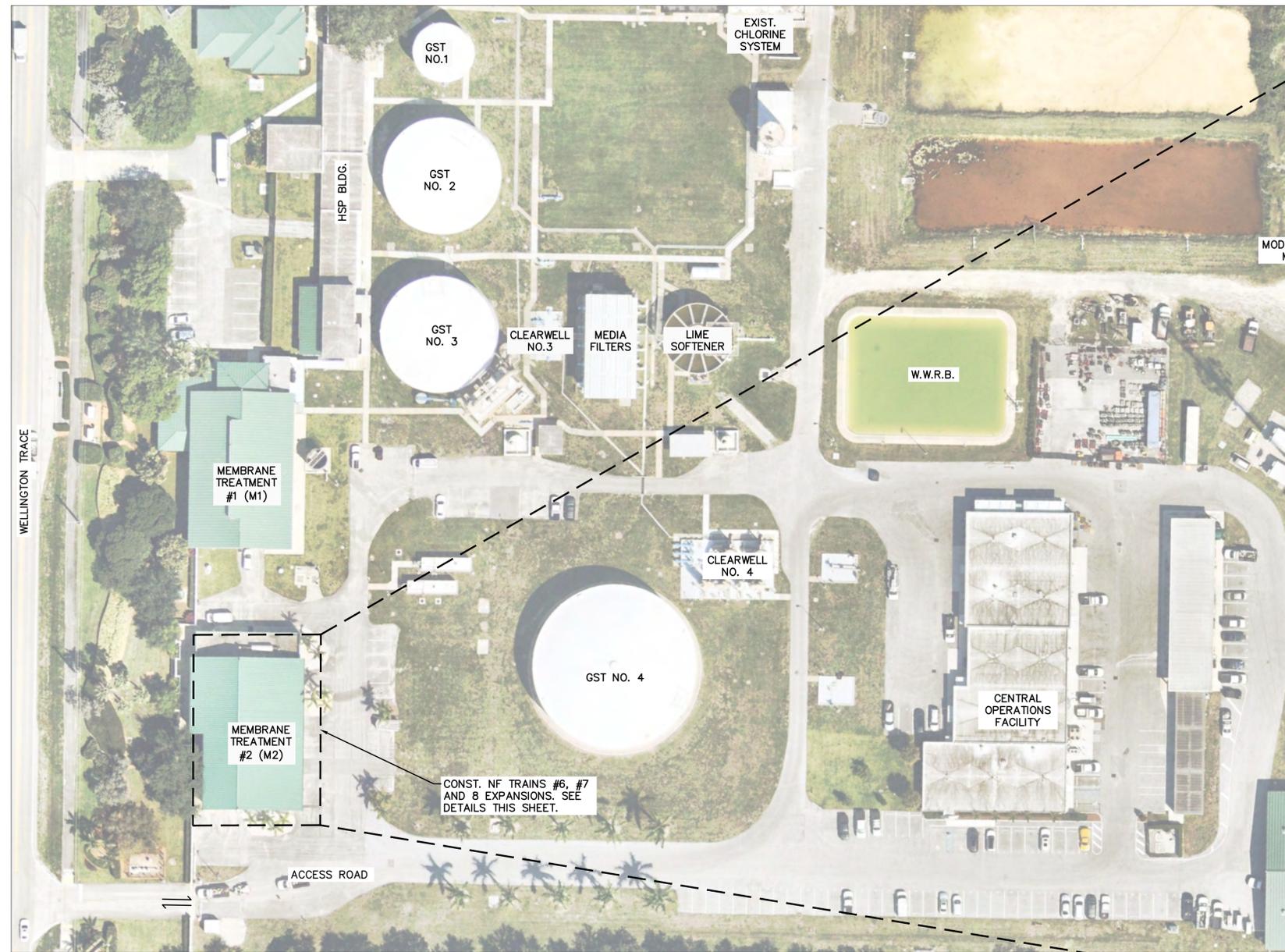


THIS ITEM HAS BEEN DIGITALLY SIGNED  
 AND SEALED BY  
  
**COVER SHEET**  
 ON THE DATE ADJACENT TO THE SEAL

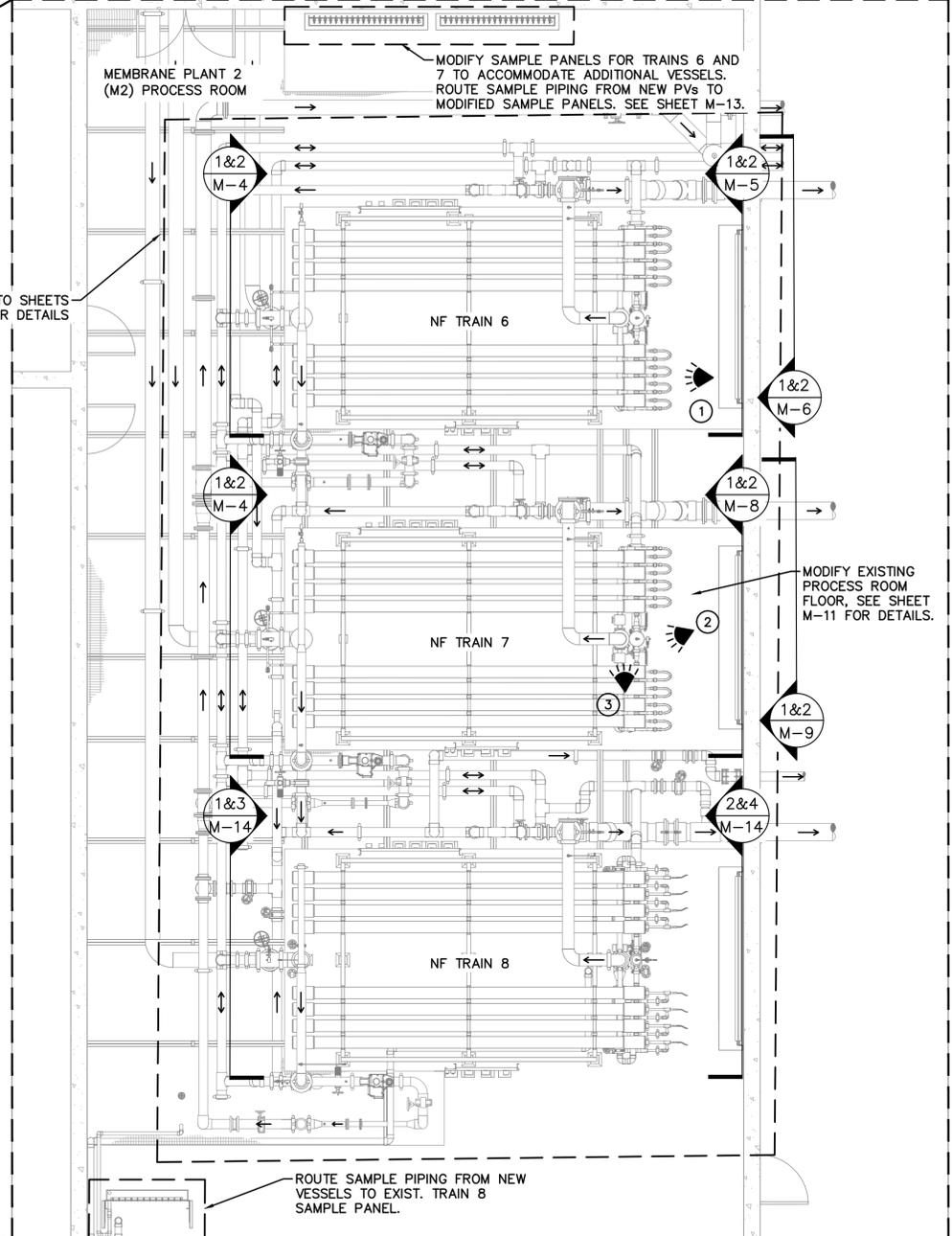
SHEET NUMBER  
  
**M-1**  
 1 OF 15

Plotted By: Corniu, Daniel  
 Sheet Set: VOW M2 EXPANSION Layout: M-1 COVER SHEET November 15, 2024 11:34:11am K:\wpb\_civil\144957082 - m2\_expansion\CAD\plansheets\M-1 COVER SHEET.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

This document, together with the concepts and designs presented herein, is an instrument of service as defined in the Florida Statutes, Chapter 481, Part 1, Section 481.002, and shall be without liability to Kimley-Horn and Associates, Inc.



**SITE KEY MAP**  
SCALE: 1" = 50'



**PROCESS AREA PLAN**  
SCALE: 3/16" = 1'-0"

**GENERAL NOTES:**

- CONTRACTOR SHALL COORDINATE WORK WITH THE OWNER AND PROVIDE ONE WEEK NOTICE PRIOR TO DEMOLITION.
- CONTRACTOR SHALL CONFIRM SIZE, MATERIAL, AND LOCATION OF ALL MECHANICAL EQUIPMENT AND FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS TO ACCOMMODATE PROPOSED EQUIPMENT AS REQUIRED.
- THE TYPE, SIZE, AND MATERIAL OF M2 PROCESS PIPING AND FITTINGS IS INDICATED ON THE DRAWINGS. IF NOT INDICATED OR WHERE PIPING OR FITTINGS OF DIFFERING SIZE, MATERIAL, OR RATING ARE IDENTIFIED IN THE FIELD AND ARE TO BE CONNECTED (NEW OR EXISTING), THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY FITTINGS, TRANSITIONS, AND OR ADAPTORS TO FACILITATE EXISTING AND OR PROPOSED CONNECTIONS. THE MATERIAL AND PRESSURE RATING SHALL BE CONSISTENT WITH PROCESS PIPING TO WHICH THESE ARE CONNECTED AND SUBJECT TO OWNER'S APPROVAL.
- ALL STAINLESS STEEL PIPING AND FITTINGS SHALL BE FINAL PICKLED AND PASSIVATED U.O.N, WELDED 316/316L SCHEDULE 10S MINIMUM.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING MATERIALS AND CONSTRUCTION.
- CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE EXISTING FACILITIES, EQUIPMENT OR PIPING. CONTRACTOR WILL BE REQUIRED TO REPAIR/REPLACE ANY DAMAGES TO OWNER'S SATISFACTION.
- ALL AREAS IMPACTED BY CONSTRUCTION SHALL BE RESTORED PER SPECIFICATIONS.
- ELEVATION SHOWN HEREIN REFERENCE TO NGVD'29. CONVERSION FROM NGVD 1929 TO NAVD 1988 IS AS FOLLOWS: (NGVD 1929) - 1.471 = (NAVD 1988)
- ONLY ONE NF TRAIN MAY BE TAKEN OFF-LINE AT ANY GIVEN TIME. WORK MUST BE COMPLETED AND ACCEPTED BY OWNER PRIOR TO COMMENCING WORK ON SUBSEQUENT NF TRAIN.

**ABBREVIATIONS:**

BF	BLIND FLANGE	MIN.	MINIMUM
BFV	BUTTERFLY VALVE	M2	MEMBRANE PLANT 2
CL, C	CENTERLINE	NFC	NANOFILTRATION CONCENTRATE
CONST.	CONSTRUCT	NFF	NANOFILTRATION FEEDWATER
CFV	CARTRIDGE FILTER VESSEL	NFI	NANOFILTRATION INTERSTAGE
CSR	CLEANING SYSTEM RETURN	NFP	NANOFILTRATION PERMEATE
CSS	CLEANING SYSTEM SUPPLY	O.C.	ON CENTER
CSW	CLEANING SYSTEM WASTE	PE	PLAIN END
FL	FLANGED	PV	PRESSURE VESSEL
FRP	FIBER REINFORCED PLASTIC	SL	SAMPLE LINE
GE	GROOVED END	SST	STAINLESS STEEL
LS	LUG STYLE	T.O.	TOP OF
LR	LONG RADIUS	VSF	VANSTONE FLANGE

**LEGEND:**

- PHOTO DETAIL #1 SHEET M-6
- PHOTO DETAIL #2 SHEET M-9
- PHOTO DETAIL #3 SHEET M-9

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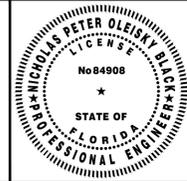
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KHA PROJECT	144957082
DATE	NOV 2024
SCALE	AS SHOWN
DESIGNED BY	NPOB
DRAWN BY	AH
CHECKED BY	JEP

**WTP MEMBRANE PLANT #2 (M2) EXPANSION**

PREPARED FOR  
**VILLAGE OF WELLINGTON**

PALM BEACH COUNTY FLORIDA



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**SITE KEY MAP AND GENERAL NOTES**

ON THE DATE ADJACENT TO THE SEAL

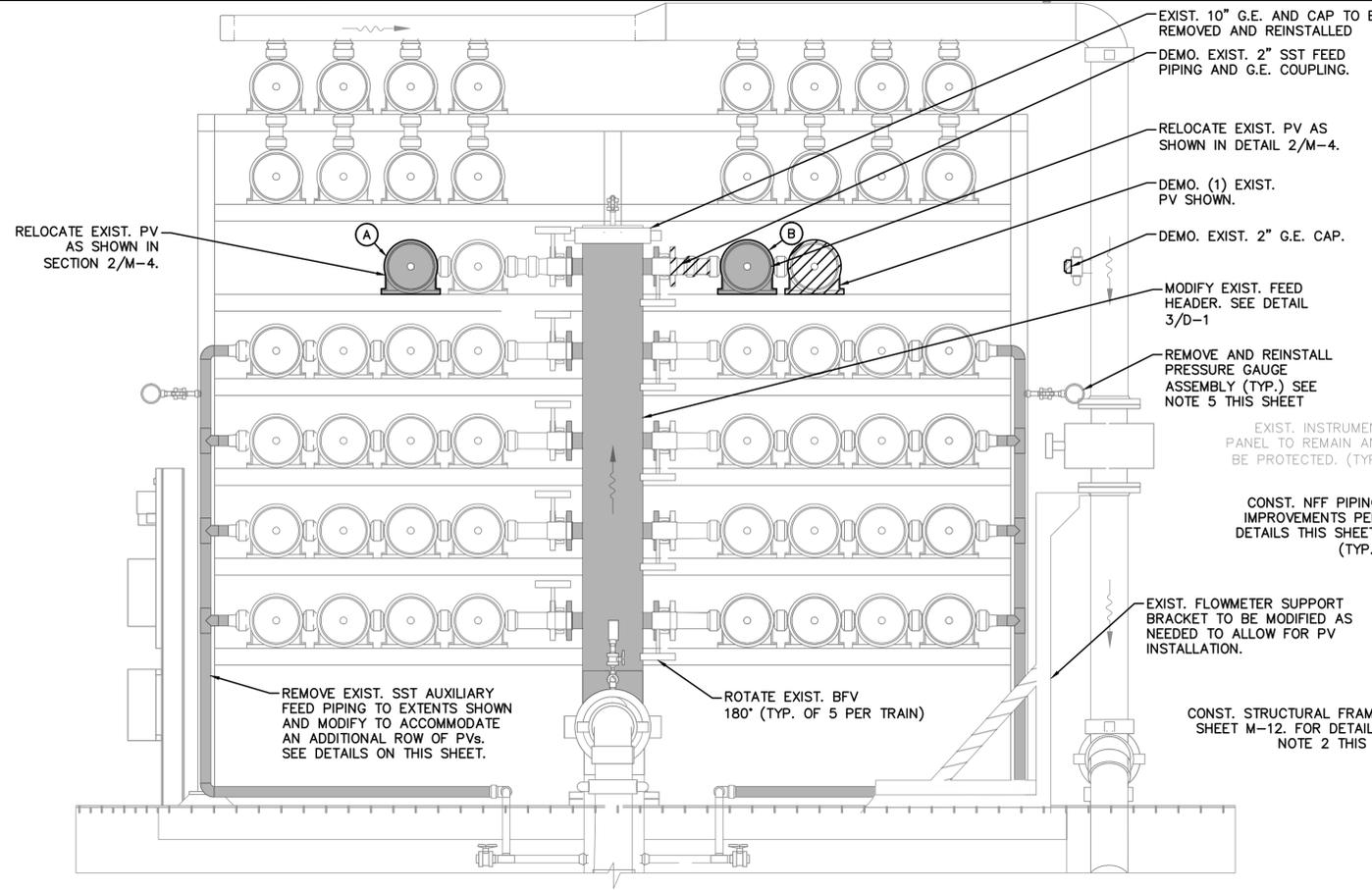
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**M-2**

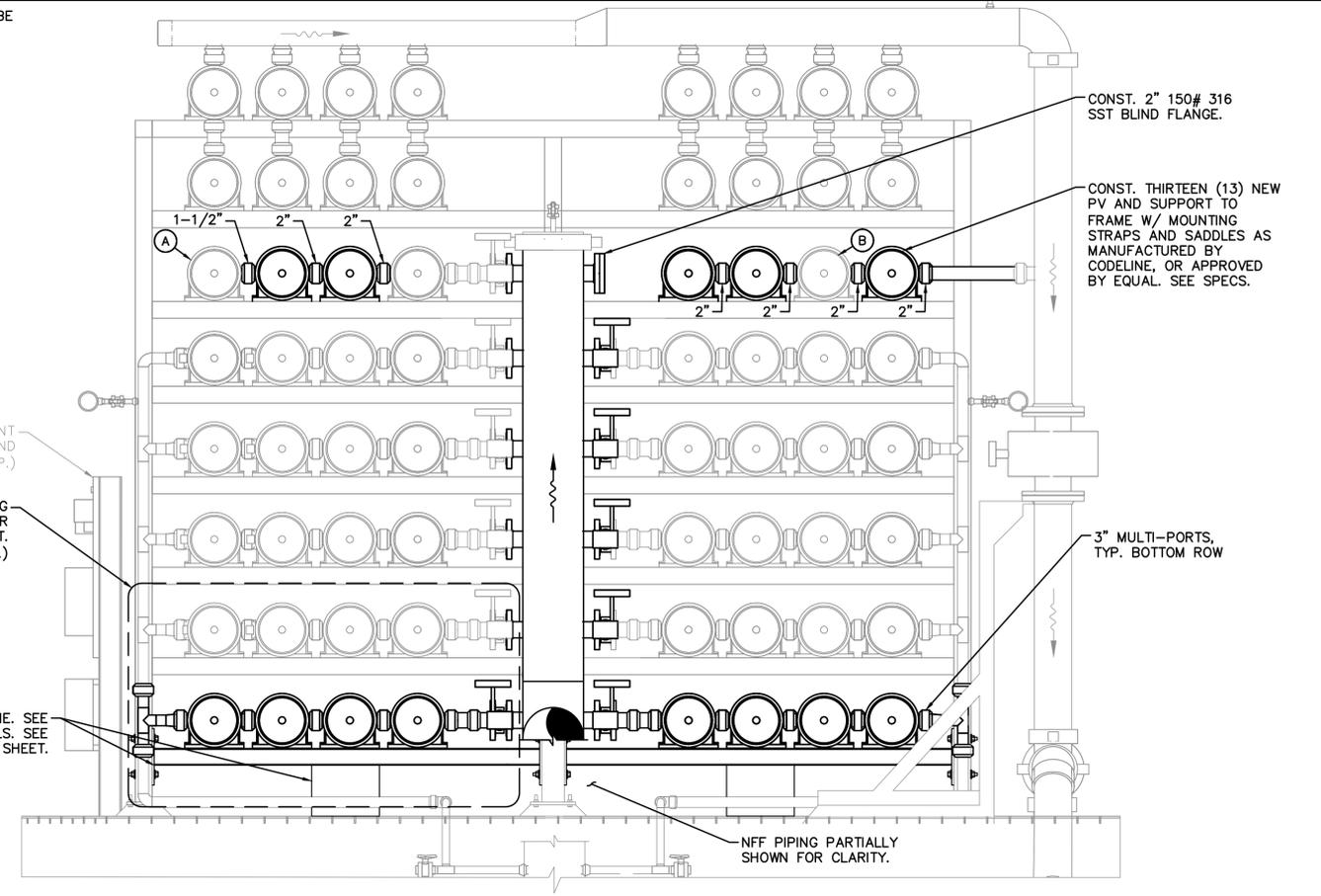
2 OF 15



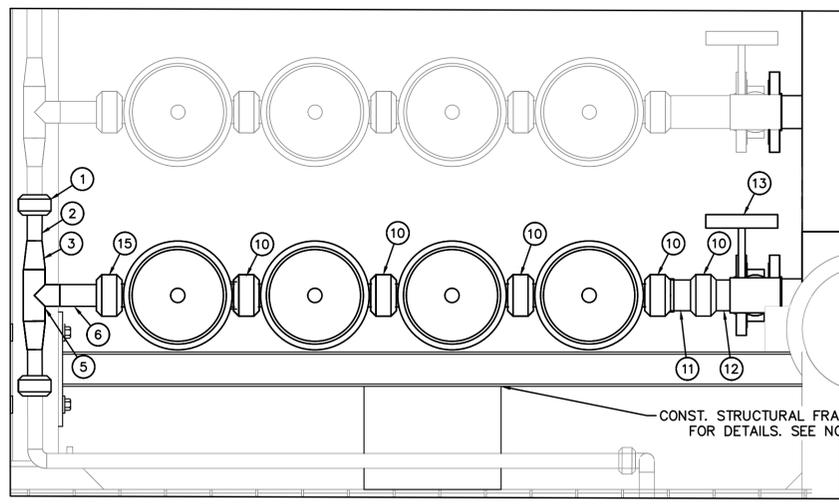
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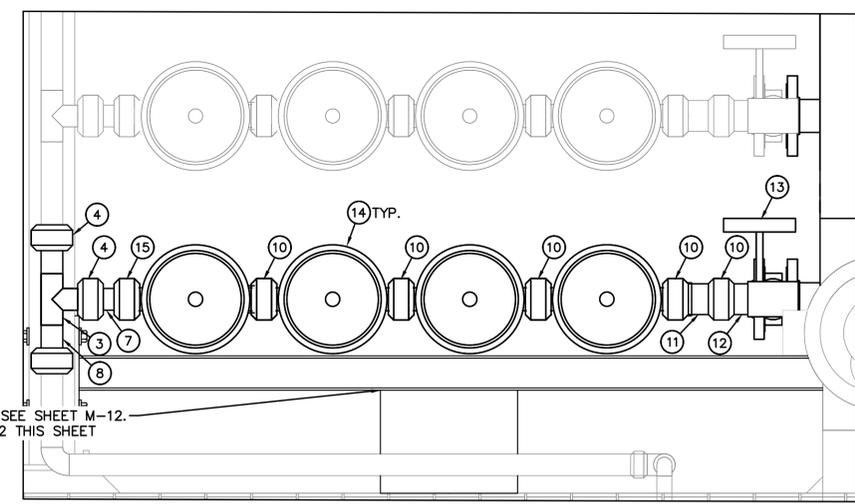
**1** EXIST. 36x16 ARRAY T6 & T7 NFF/NFC SECTION (TYP.)  
 M-4 24x36 SHEET SIZE: 3/4" = 1'-0" 0 1 2  
 11x17 SHEET SIZE: 3/8" = 1'-0" SCALE FEET



**2** PROP. 44x20 ARRAY T6 & T7 NFF/NFC SECTION (TYP.)  
 M-4 24x36 SHEET SIZE: 3/4" = 1'-0" 0 1 2  
 11x17 SHEET SIZE: 3/8" = 1'-0" SCALE FEET



**3** PROP. TRAIN 6 NFF AND AUXILIARY FEED PIPE DETAIL  
 M-4 24x36 SHEET SIZE: 1 1/2" = 1'-0" 0 1/4 1/2 3/4 1  
 11x17 SHEET SIZE: 3/4" = 1'-0" SCALE FEET



**4** PROP. TRAIN 7 NFF AND AUXILIARY FEED PIPE DETAIL  
 M-4 24x36 SHEET SIZE: 1 1/2" = 1'-0" 0 1/4 1/2 3/4 1  
 11x17 SHEET SIZE: 3/4" = 1'-0" SCALE FEET

SHEET KEYNOTE LEGEND	
ITEM	DESCRIPTION
1	1" SCH. 10 316 SST GE COUPLING
2	1" SCH. 10 316 SST GE/PE PIPE, LENGTH TO SUIT
3	1-1/2"x1" SCH. 10 316 S.S.T. REDUCER
4	1-1/2" 316 S.S.T. GE COUPLING
5	1-1/2" SCH. 10 316 S.S.T. TEE
6	1-1/2" SCH. 10 316 SST PE/PE PIPE, LENGTH TO SUIT
7	1-1/2" SCH. 10 316 SST GE/GE PIPE, LENGTH TO SUIT
8	1-1/2" SCH. 10 316 SST GE/PE PIPE, LENGTH TO SUIT
9	2" SCH. 10 316 SST GE COUPLING
10	3" SCH. 10 316 SST GE COUPLING
11	3" SCH. 10 316 SST GE/GE PIPE, LENGTH TO SUIT
12	2-1/2" SCH. 10 316 SST GE/FL PIPE, LENGTH TO SUIT
13	3" SCH. 10 316 SST LS BFV
14	PRESSURE VESSEL, SEE SPECS.
15	3"x1-1/2" REDUCING GE COUPLING

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  - CONTRACTOR SHALL VERIFY EXIST. LOCATION OF SAMPLE LINES AND TAPS. FOR ALL PIPING THAT IS TO BE REPLACED, CONTRACTOR SHALL INCLUDE CONNECTIONS FOR SAMPLE TUBING.

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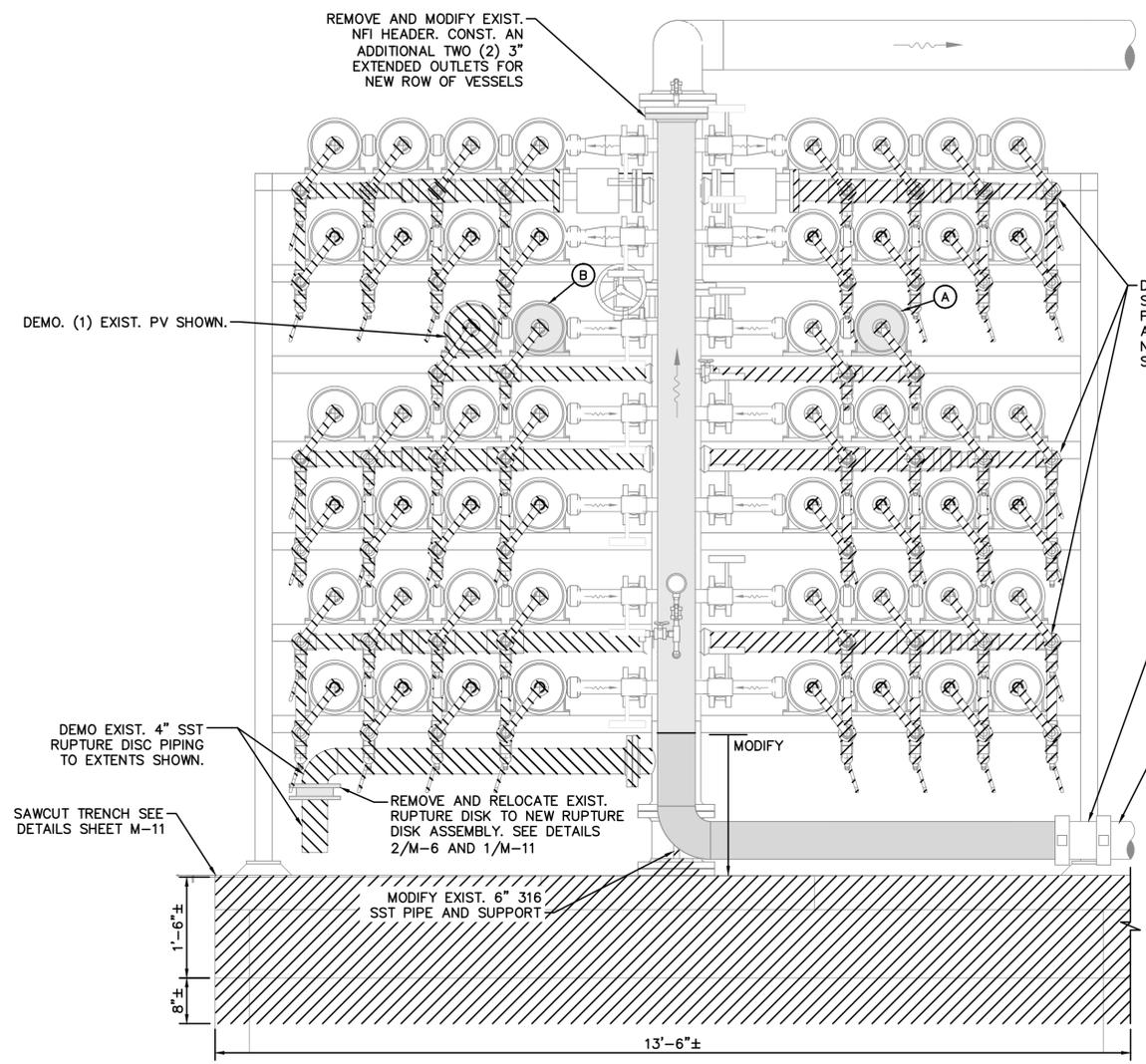
**WTP MEMBRANE PLANT #2 (M2)  
 EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA



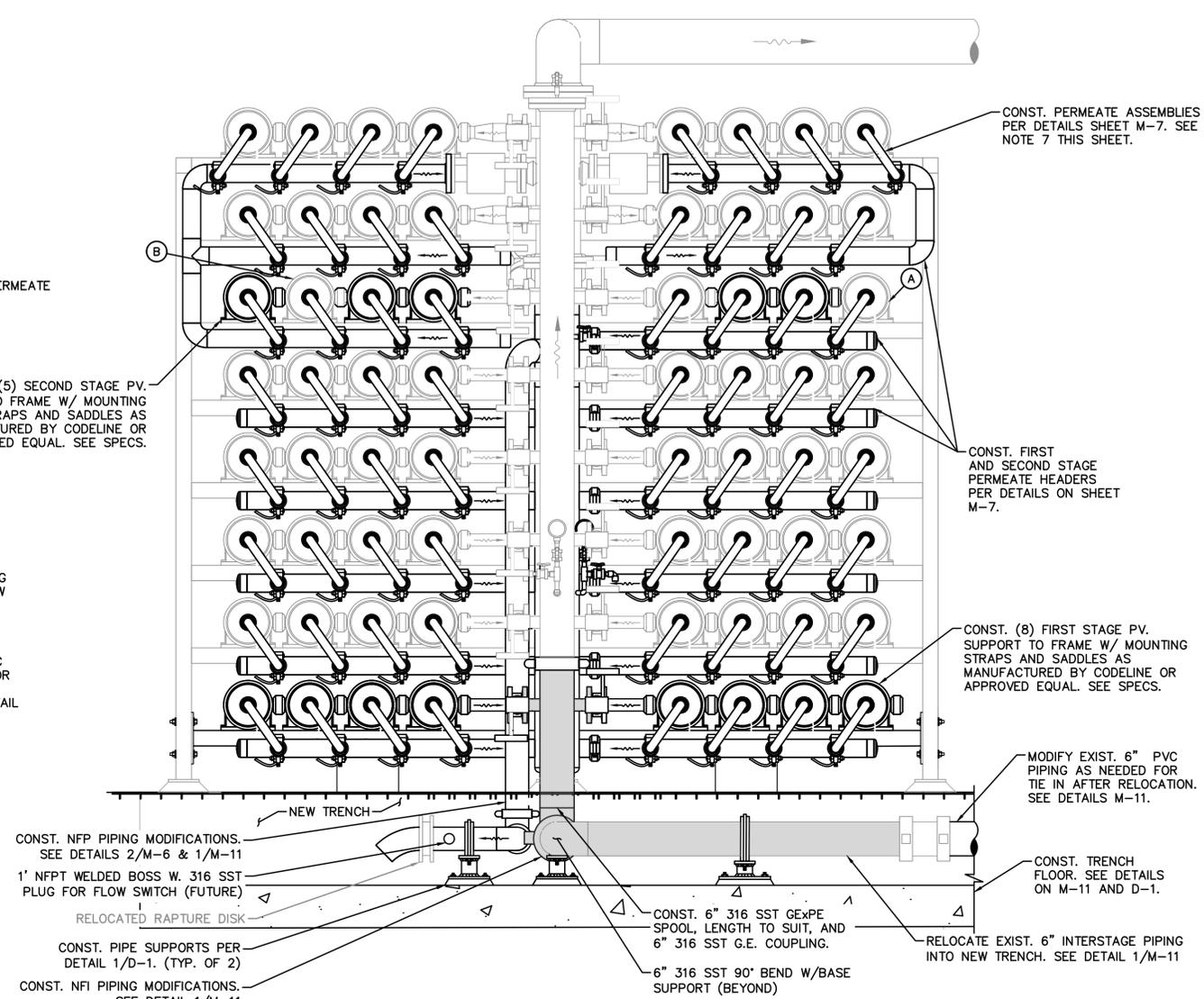
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 ON THE DATE ADJACENT TO THE SEAL

SHEET NUMBER  
**M-4**  
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**1** EXIST. T6 36x16 ARRAY NFI SECTION  
 M-5 24x36 SHEET SIZE:  $\frac{3}{4}$ " = 1'-0"  
 11x17 SHEET SIZE:  $\frac{3}{8}$ " = 1'-0"  
 SCALE 0 1 2 FEET



**2** PROP. T6 44x20 ARRAY NFI SECTION  
 M-5 24x36 SHEET SIZE:  $\frac{3}{4}$ " = 1'-0"  
 11x17 SHEET SIZE:  $\frac{3}{8}$ " = 1'-0"  
 SCALE 0 1 2 FEET

**GENERAL NOTES:**

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- PERMEATE HEADERS SHALL BE SUPPORTED BY EXIST. AND PROPOSED TRAIN FRAME STRUCTURAL MEMBERS. SUBMIT SHOP DRAWING.
- PERMEATE COLLECTION HEADER G.E. CONNECTION TO VESSEL J-BEND SHALL BE COORDINATED W/ RESPECTIVE TRAIN PERMEATE HEADER DIMENSIONS. CONTRACTOR IS HEREIN NOTIFIED THAT DIMENSIONS ON ALL TRAINS ARE NOT THE SAME.

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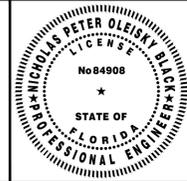
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DATE	NOV 2024
SCALE	AS SHOWN
DESIGNED BY	NPOB
DRAWN BY	AH
CHECKED BY	JEP

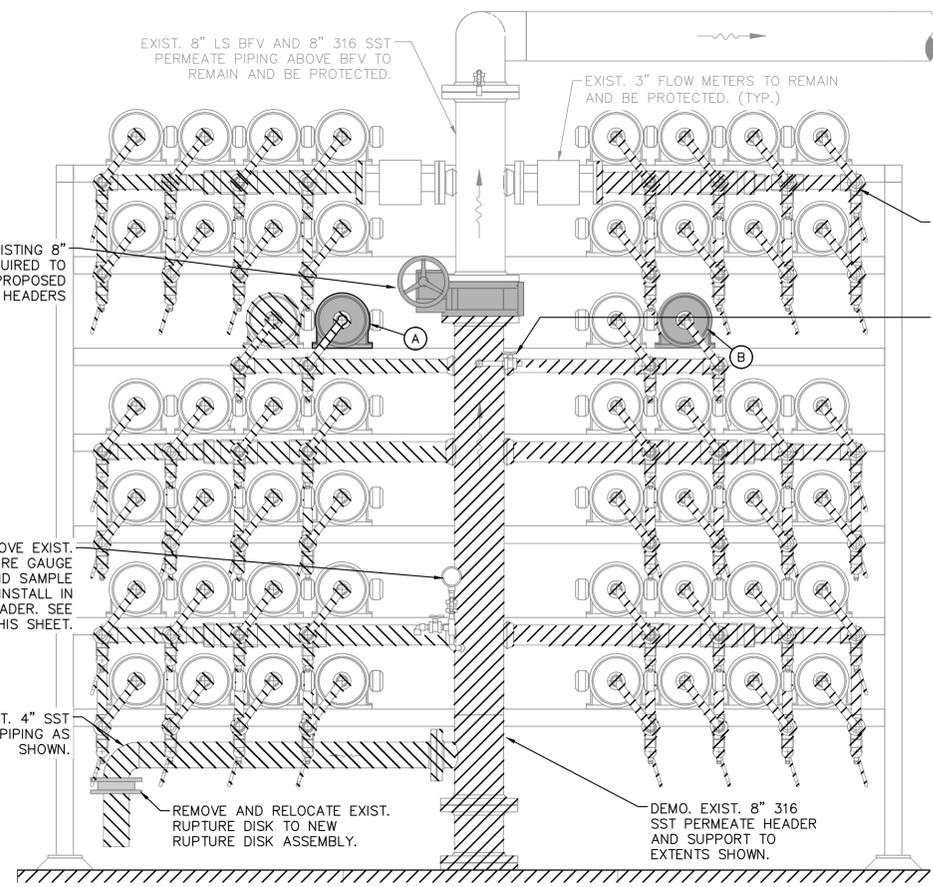
**WTP MEMBRANE PLANT #2 (M2)**  
**EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA



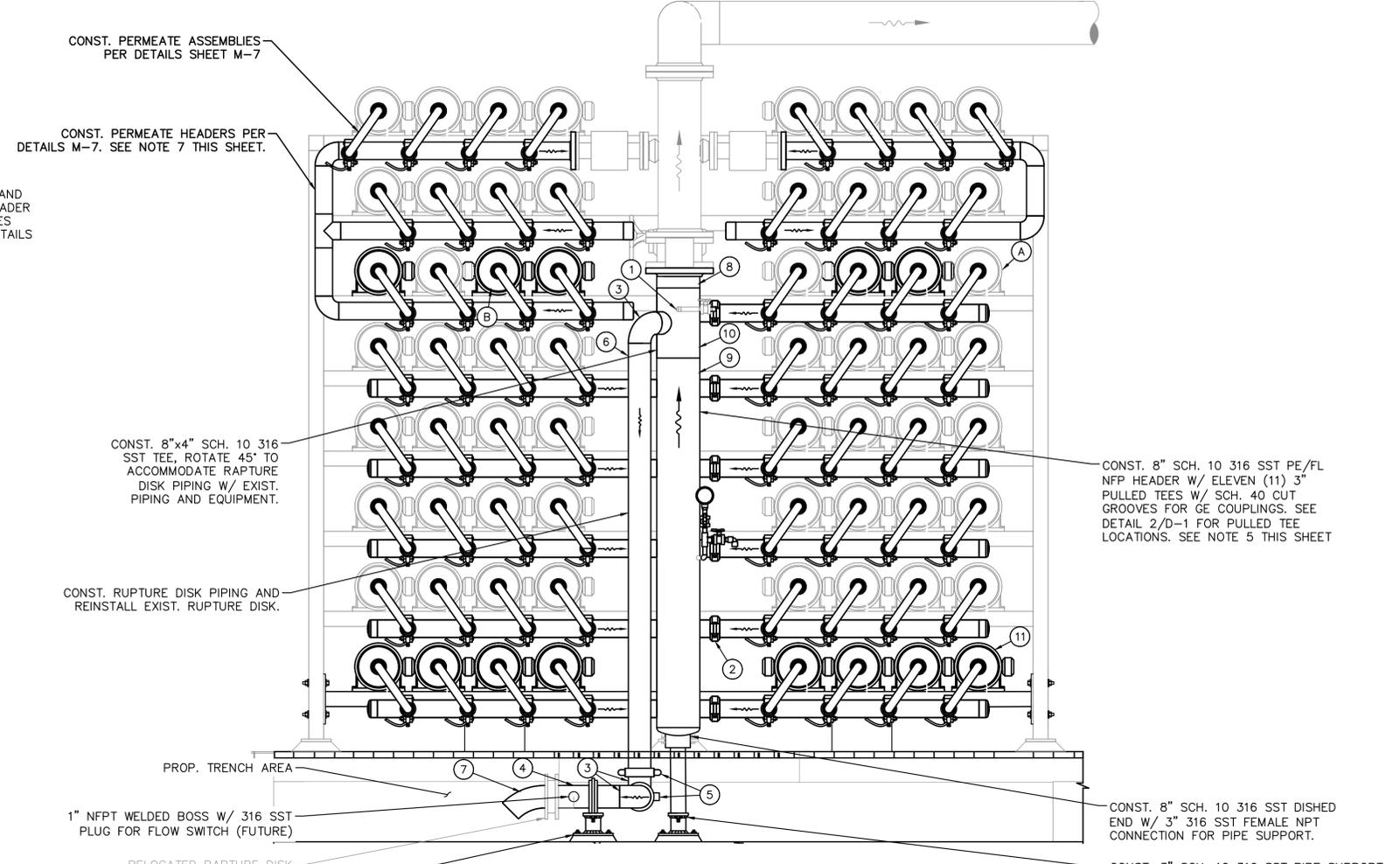
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SHEET NUMBER	M-5
5 OF 15	

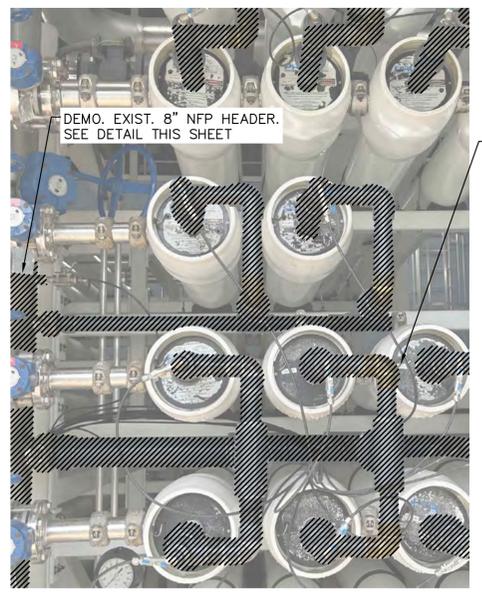
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**1** **EXIST. T6 36x16 ARRAY NFP SECTION**  
 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 SCALE FEET



**2** **PROP. T6 44x20 ARRAY NFP SECTION**  
 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 SCALE FEET



**3** **PHOTO DETAIL #1 - T6 NFP HEADER**  
 Scale: N.T.S.

DEMO. EXIST. T6 NFP  
 HEADER ASSEMBLIES.  
 REMOVE EXIST. SAMPLE  
 TUBING ASSEMBLY AND  
 REINSTALL IN NEW  
 ASSEMBLIES (TYP.)  
 SEE SHEET M-7

SHEET KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
1	1/2" 300# HALF COUPLING W/ 1/2" 316 S.S.T. BALL VALVE AND 1/4" POLYETHYLENE TUBING CONNECTION TO SAMPLE PANEL. SEE NOTE 5
2	3" 316 S.S.T. GE COUPLING
3	4" SCH. 10 316 S.S.T. 90° BEND
4	4" SCH. 10 316 S.S.T. PIPE, PE/PE, LENGTH TO SUIT
5	4" 316 SST GE COUPLING
6	4" 316 S.S.T. PIPE, PE/GE LENGTH TO SUIT
7	4" SCH. 10 316 S.S.T. 45° BEND
8	8" SCH. 10 316 SST PIPE, PE/FL, LENGTH TO SUIT
9	8" SCH. 10 316 S.S.T. PIPE, PE/PE, LENGTH TO SUIT
10	8"x4" SCH. 10 316 S.S.T. REDUCING TEE
11	PRESSURE VESSEL. SEE SPECS.

**GENERAL NOTES:**

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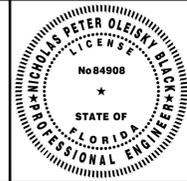
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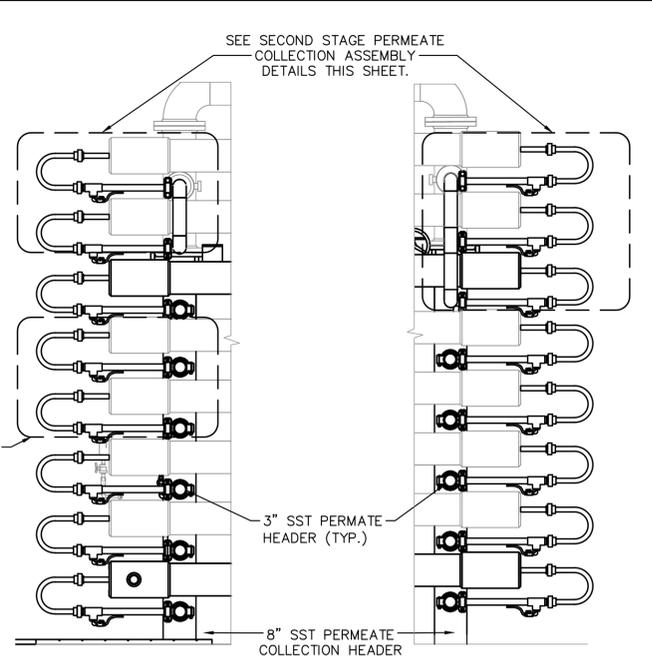
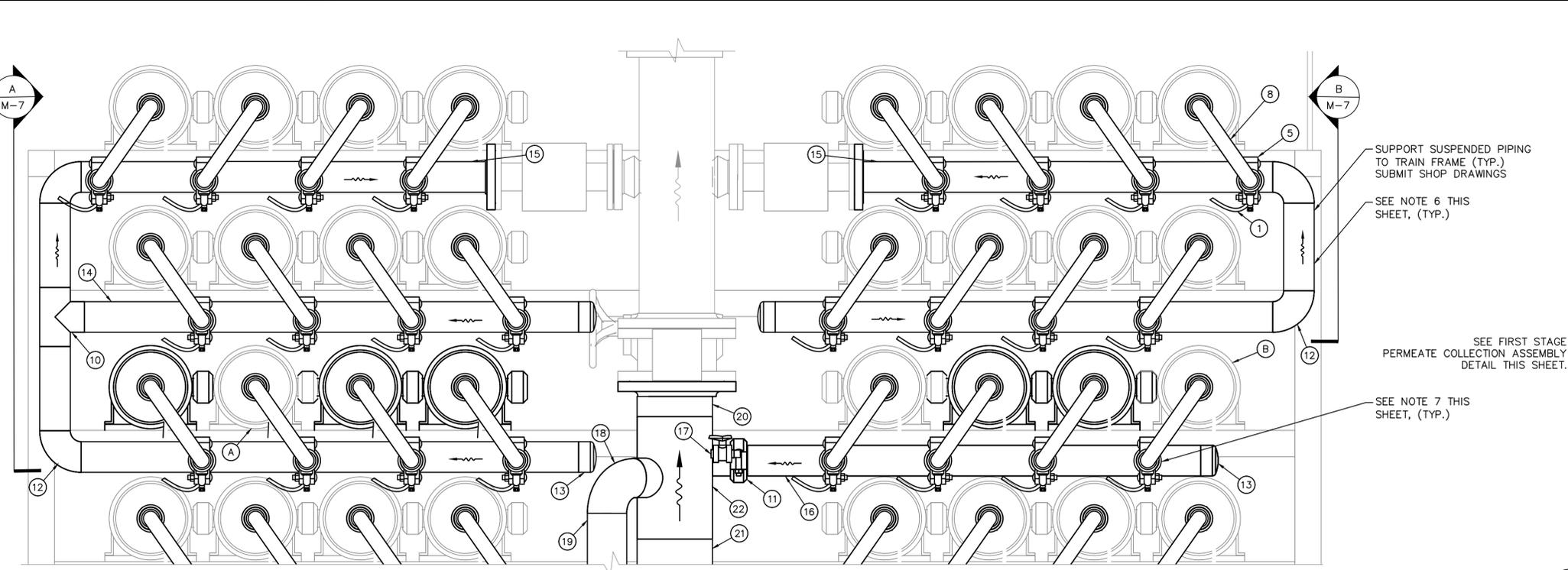
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**EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA



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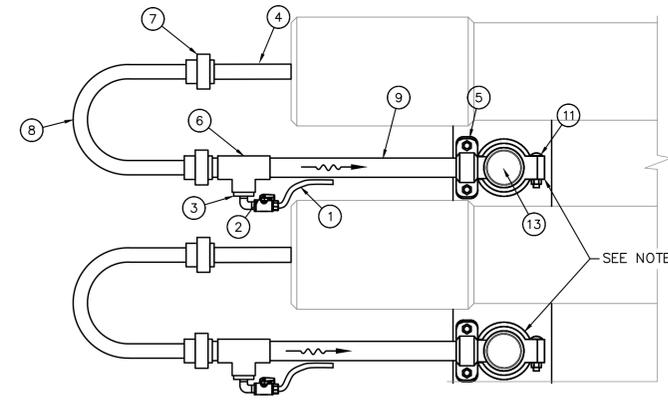
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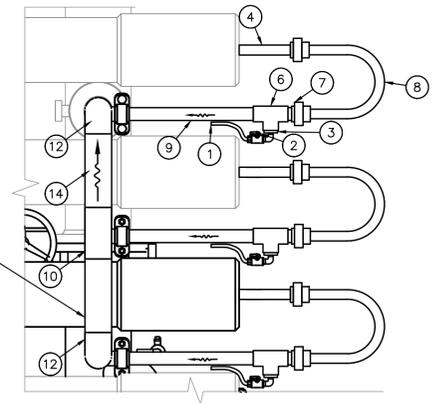


**1 TRAIN 6 AND 7 TYP. PERMEATE HEADER DETAIL**  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET

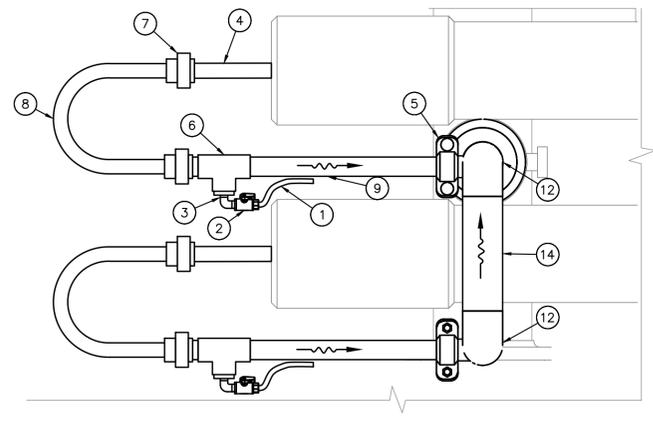
**2 TYPICAL PERMEATE COLLECTION SIDE DETAIL**  
 24x36 SHEET SIZE: 3/4" = 1'-0"  
 11x17 SHEET SIZE: 5/8" = 1'-0"  
 SCALE FEET



**3 PERMEATE COLLECTION DETAIL - 1ST STAGE**  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET



**A TYPICAL PERMEATE COLLECTION 2ND STAGE SECTION DETAIL**  
 24x36 SHEET SIZE: 1" = 1'-0"  
 11x17 SHEET SIZE: 1/2" = 1'-0"  
 SCALE FEET



**B PERMEATE COLLECTION DETAIL - 2ND STAGE**  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET

SHEET KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
1	1/4" POLYETHYLENE TUBING TO SAMPLE PANEL
2	1/4" SCH. 80 PVC BALL VALVE
3	1-1/4" x 1/2" SCH. 80 PVC REDUCING BUSHING
4	1-1/4" SCH. 80 PVC SOCKET X FIPT FEMALE ADAPTER
5	1-1/4" 316 SST GE COUPLING
6	1-1/4" 316 SCH. 80 PVC TEE
7	1-1/4" SCH. 80 PVC UNION
8	1-1/4" SCH. 80 PVC J-BEND
9	1-1/4" SCH. 80 PVC PE/GE PIPE
10	3" SCH. 10 316 SST TEE
11	3" SCH. 10 316 SST GE COUPLING
12	3" SCH. 10 316 SST 90 BEND
13	3" SCH. 10 316 SST WELDED CAP
14	3" SCH. 10 316 SST PIPE, PE/PE, LENGTH TO SUIT
15	3" SCH. 10 316 SST PIPE, PE/FL, LENGTH TO SUIT
16	3" SCH. 10 316 SST PIPE, GE/PE, LENGTH TO SUIT
17	1/2" 300# HALF COUPLING W/ 1/2" 316 S.S.T. BALL VALVE AND 1/4" POLYETHYLENE TUBING CONNECTION TO SAMPLE PANEL. SEE NOTE 5 ON THIS SHEET
18	4" SCH. 10 316 SST 90° BEND
19	4" SCH. 10 316 SST PIPE, PE/PE, LENGTH TO SUIT
20	8" SCH. 10 316 SST PIPE, PE/FL, LENGTH TO SUIT
21	8" SCH. 10 316 SST PIPE, PE/PE, LENGTH TO SUIT
22	8"x4" SCH. 10 316 SST REDUCING TEE

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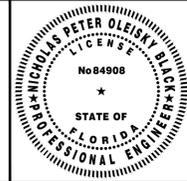
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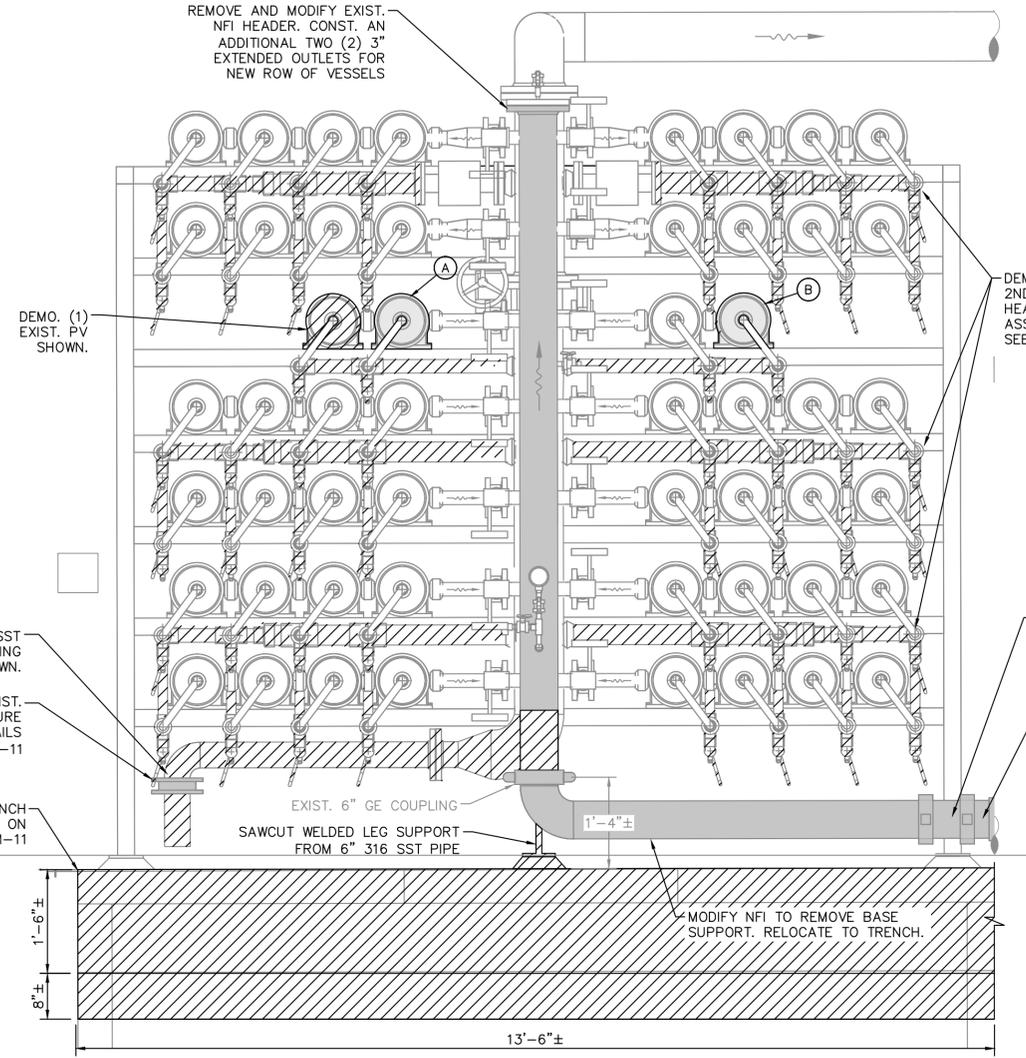
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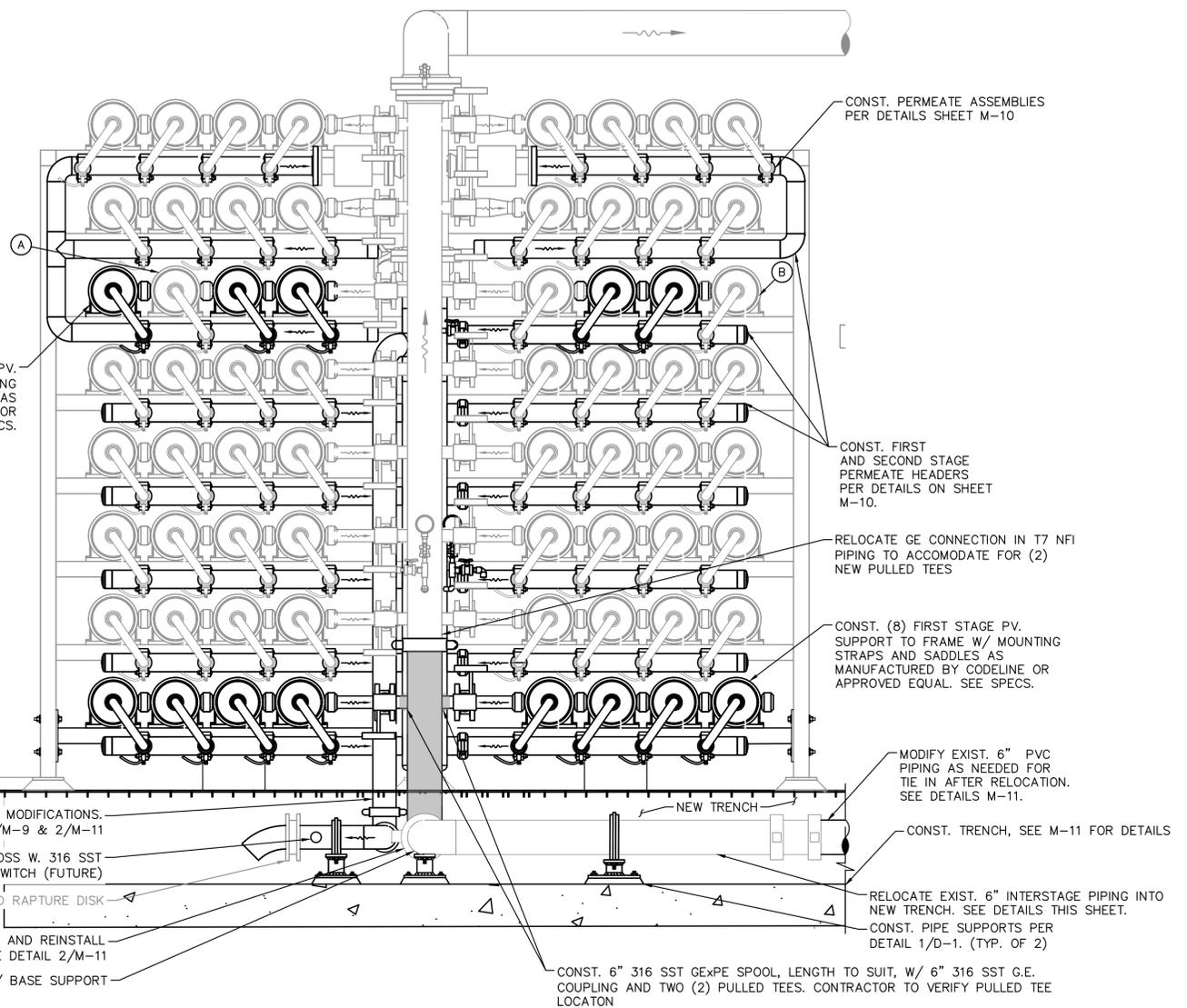
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 7 OF 15

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**1** EXIST. 36x16 ARRAY NFI SECTION (TYP.) 24x36 SHEET SIZE: 3/4" = 1'-0" 0 1 2  
 11x17 SHEET SIZE: 5/8" = 1'-0" SCALE FEET



**2** PROP. 44x20 ARRAY NFI SECTION (TYP.) 24x36 SHEET SIZE: 3/4" = 1'-0" 0 1 2  
 11x17 SHEET SIZE: 5/8" = 1'-0" SCALE FEET

**GENERAL NOTES:**

- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO DEMONSTRATE FRAME IS ADEQUATE FOR ADDITIONAL VESSELS. CONTRACTOR RESPONSIBLE FOR ALL FRAME IMPROVEMENTS TO FACILITATE EXPANSION, INCLUDING ANY WORK NOT SHOWN HEREIN.
- ALL PIPING SHALL BE SCH. 10 316 SST, U.O.N. ALL GROOVES SHALL BE SCH. 40 CUT GROOVES.
- ALL STAINLESS STEEL PIPING AND FITTINGS SHALL BE FINAL PICKLED AND PASSIVATED U.O.N, WELDED 316/316L SCHEDULE 10S MINIMUM.
- CONTRACTOR SHALL VERIFY EXIST. LOCATION OF SAMPLE LINES AND TAPS. FOR ALL PIPING THAT IS TO BE REPLACED, CONTRACTOR SHALL INCLUDE CONNECTIONS FOR SAMPLE TUBING.
- PERMEATE HEADERS SHALL BE SUPPORTED BY EXIST. AND PROPOSED TRAIN FRAME STRUCTURAL MEMBERS. SUBMIT SHOP DRAWING.
- PERMEATE COLLECTION HEADER G.E. CONNECTION TO VESSEL J-BEND SHALL BE COORDINATED W/ RESPECTIVE TRAIN PERMEATE HEADER DIMENSIONS. CONTRACTOR IS HEREIN NOTIFIED THAT DIMENSIONS ON ALL TRAINS ARE NOT THE SAME.

**PBCHD SUBMITTAL**

**NOT FOR CONSTRUCTION**

No.	REVISIONS	DATE	BY

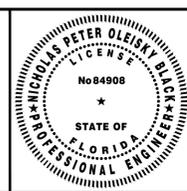
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 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT	144957082
DATE	NOV 2024
SCALE	AS SHOWN
DESIGNED BY	NPOB
DRAWN BY	AH
CHECKED BY	JEP

WTP MEMBRANE PLANT #2 (M2)  
EXPANSION

PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA



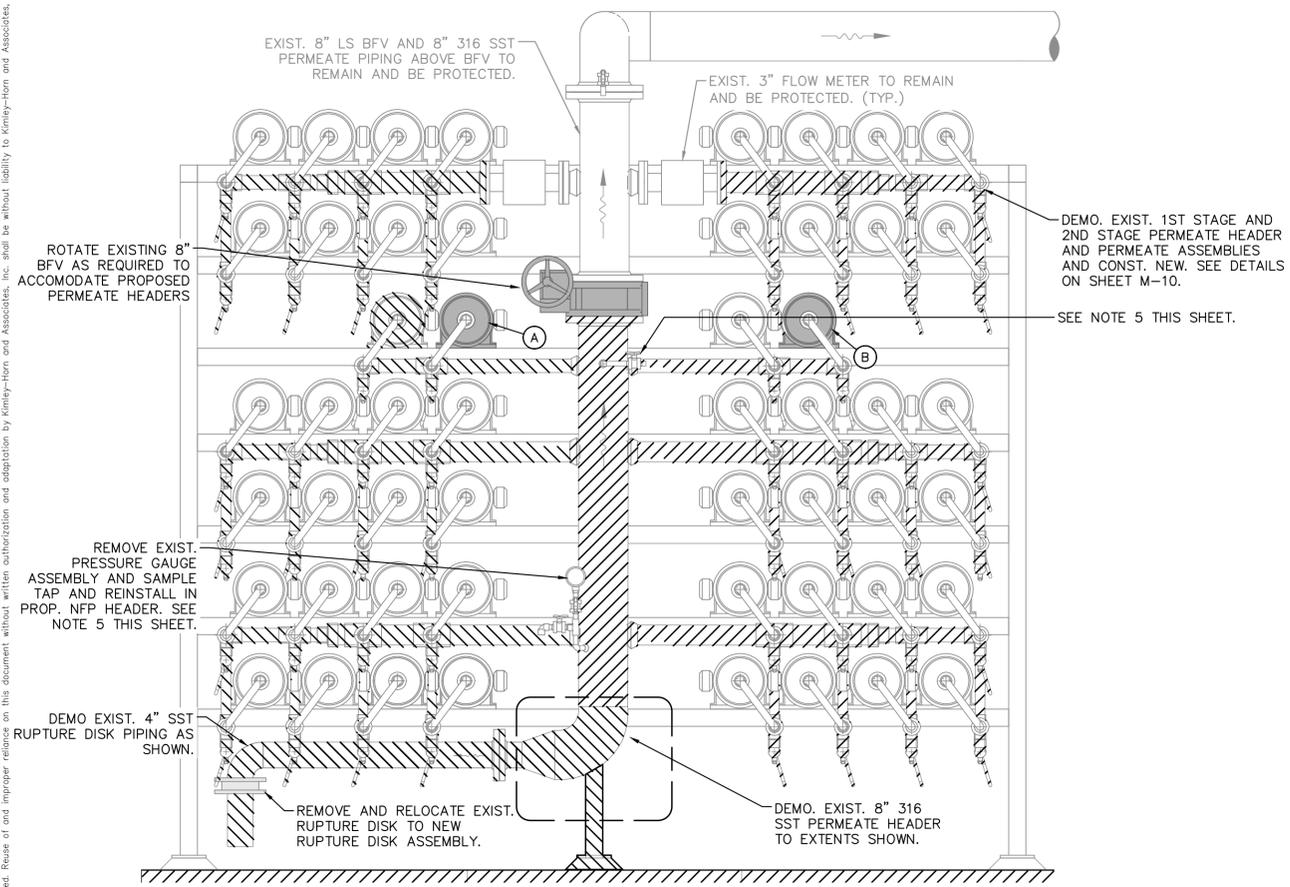
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TRAN 7 EXPANSION NFI  
SECTIONS

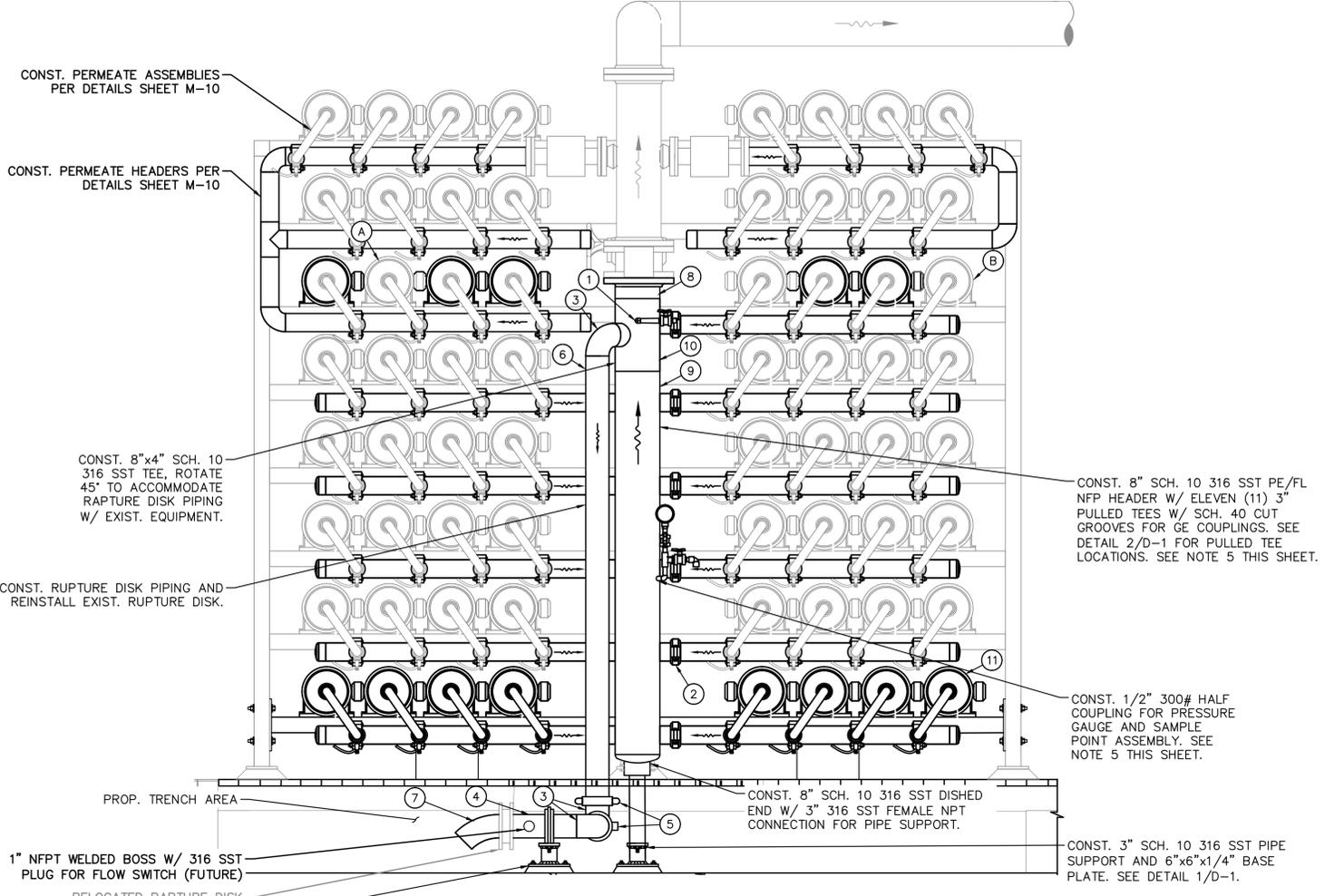
ON THE DATE ADJACENT TO THE SEAL

SHEET NUMBER	M-8
8 OF 15	

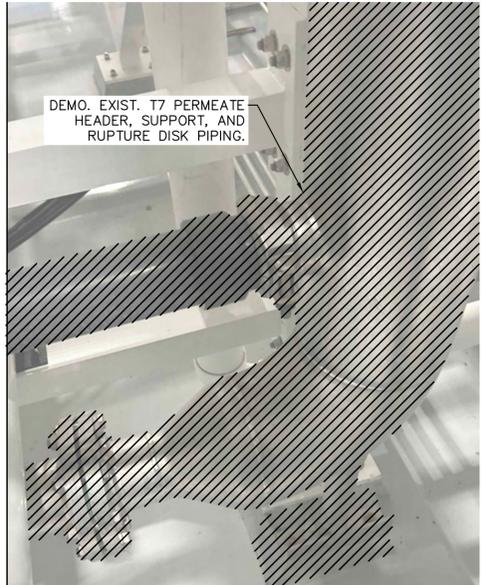
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**1** EXIST. 36x16 ARRAY NFP SECTION (TYP.)  
 M-9  
 24x36 SHEET SIZE: 3/4" = 1'-0"  
 11x17 SHEET SIZE: 3/8" = 1'-0"  
 SCALE FEET



**2** PROP. 44x20 ARRAY NFP SECTION (TYP.)  
 M-9  
 24x36 SHEET SIZE: 3/4" = 1'-0"  
 11x17 SHEET SIZE: 3/8" = 1'-0"  
 SCALE FEET



**3** PHOTO DETAIL #2 - T7 NFP SUPPORT  
 M-9  
 Scale: N.T.S.



**4** PHOTO DETAIL #3 - T7 NFP SUPPORT  
 M-9  
 Scale: N.T.S.

SHEET KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
1	1/2" 300# HALF COUPLING W/ 1/2" 316 S.S.T. BALL VALVE AND 1/4" POLYETHYLENE TUBING CONNECTION TO SAMPLE PANEL. SEE NOTE 5
2	3" 316 S.S.T. GE COUPLING
3	4" SCH. 10 316 S.S.T. 90° BEND
4	4" SCH. 10 316 S.S.T. PIPE, PE/PE, LENGTH TO SUIT
5	4" 314 SST GE COUPLING
6	4" 316 S.S.T. PIPE. PE/GE LENGTH TO SUIT
7	4" SCH. 10 316 S.S.T. 45° BEND
8	8" SCH. 10 316 SST PIPE. PE/FL, LENGTH TO SUIT
9	8" SCH. 10 316 S.S.T. PIPE, PE/PE, LENGTH TO SUIT
10	8"x4" SCH. 10 316 S.S.T. REDUCING TEE
11	PRESSURE VESSEL. SEE SPECS.

**GENERAL NOTES:**

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- ALL PIPING SHALL BE SCH. 10 316 SST, U.O.N. ALL GROOVES SHALL BE SCH. 40 CUT GROOVES.
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- PERMEATE HEADERS SHALL BE SUPPORTED BY EXIST. AND PROPOSED TRAIN FRAME STRUCTURAL MEMBERS. SUBMIT SHOP DRAWING.
- PERMEATE COLLECTION HEADER G.E. CONNECTION TO VESSEL J-BEND SHALL BE COORDINATED W/ RESPECTIVE TRAIN PERMEATE HEADER DIMENSIONS. CONTRACTOR IS HEREIN NOTIFIED THAT DIMENSIONS ON ALL TRAINS ARE NOT THE SAME.

**PBCHD SUBMITTAL**

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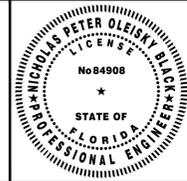
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 PHONE: 561-845-0665 FAX: 561-863-8175  
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KHA PROJECT	144957082
DATE	NOV 2024
SCALE	AS SHOWN
DESIGNED BY	NPOB
DRAWN BY	AH
CHECKED BY	JEP

**WTP MEMBRANE PLANT #2 (M2) EXPANSION**

PREPARED FOR  
**VILLAGE OF WELLINGTON**

PALM BEACH COUNTY FLORIDA



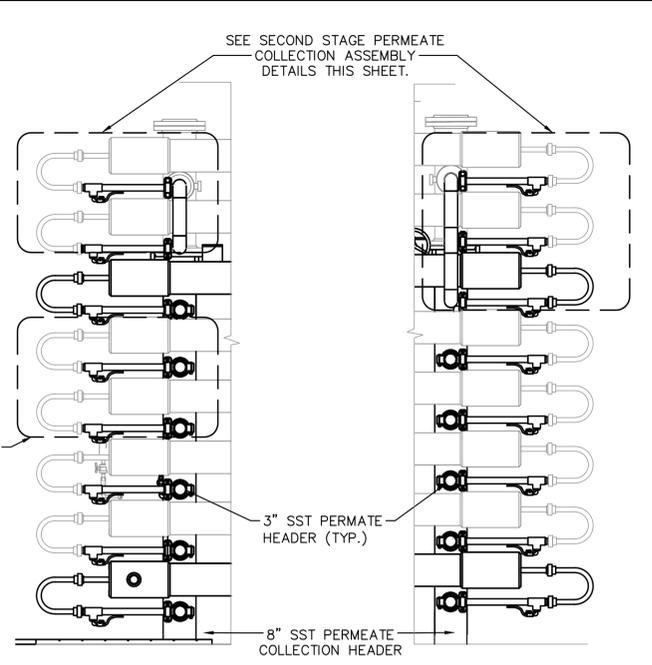
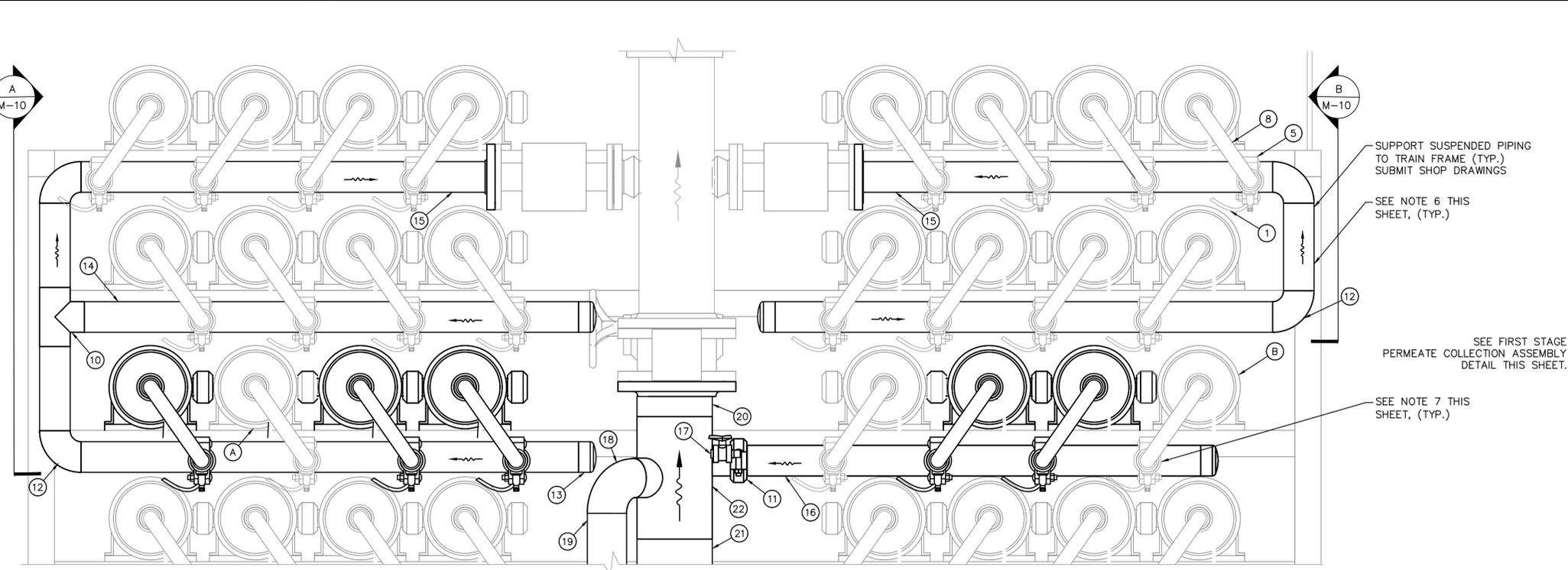
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**TRAIN 7 EXPANSION NFP SECTIONS**

ON THE DATE ADJACENT TO THE SEAL

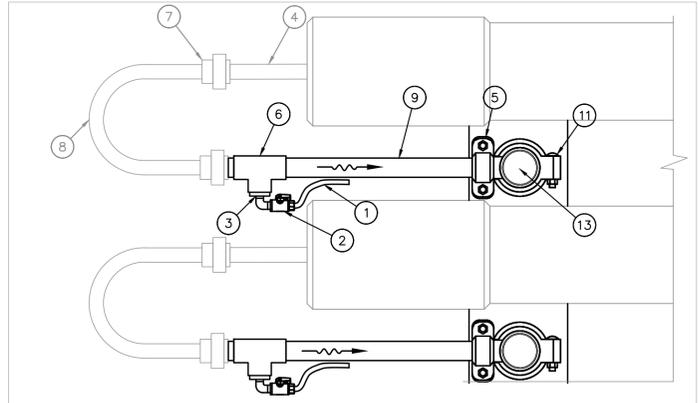
SHEET NUMBER	M-9
9 OF 15	Page 23

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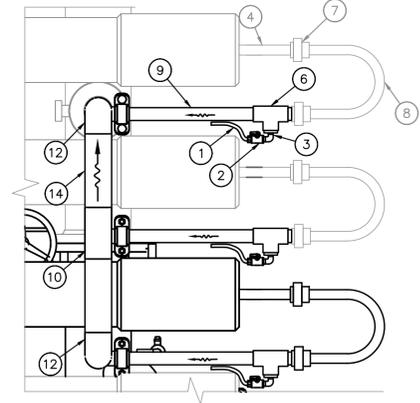


**1 TRAIN 7 PERMEATE HEADER DETAIL**  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET

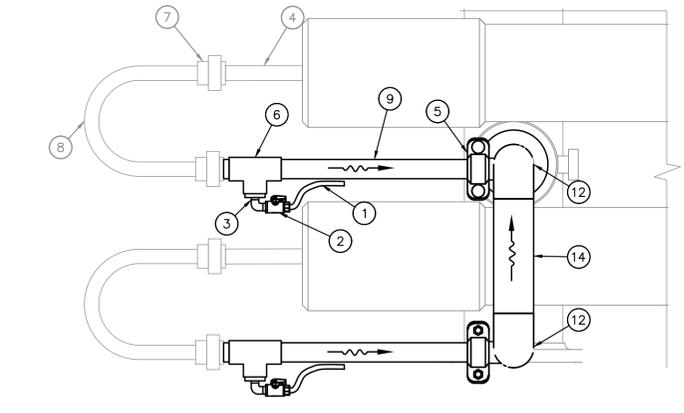
**2 T7 PERMEATE COLLECTION SIDE DETAIL**  
 24x36 SHEET SIZE: 3/4" = 1'-0"  
 11x17 SHEET SIZE: 5/8" = 1'-0"  
 SCALE FEET



**3 T7 PERMEATE COLLECTION DETAIL - 1ST STAGE**  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET



**A T7 PERMEATE COLLECTION DETAIL 2ND STAGE**  
 24x36 SHEET SIZE: 1" = 1'-0"  
 11x17 SHEET SIZE: 1/2" = 1'-0"  
 SCALE FEET



**B T7 PERMEATE COLLECTION DETAIL - 2ND STAGE**  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET

SHEET KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
1	1/4" POLYETHYLENE TUBING TO SAMPLE PANEL
2	1/4" SCH. 80 PVC BALL VALVE
3	1-1/4" x 1/2" SCH. 80 PVC REDUCING BUSHING
4	EXIST. 1-1/4" SCH. 80 PVC SOCKET X FIPT FEMALE ADAPTER
5	1-1/4" 316 SST GE COUPLING
6	1-1/4" 316 SCH. 80 PVC TEE
7	EXIST. 1-1/4" SCH. 80 PVC UNION
8	EXIST. 1-1/4" SCH. 80 PVC J-BEND
9	1-1/4" SCH. 80 PVC PE/GE PIPE
10	3" SCH. 10 316 SST TEE
11	3" SCH. 10 316 SST GE COUPLING
12	3" SCH. 10 316 SST 90 BEND
13	3" SCH. 10 316 SST WELDED CAP
14	3" SCH. 10 316 SST PIPE, PE/PE, LENGTH TO SUIT
15	3" SCH. 10 316 SST PIPE, PE/FL, LENGTH TO SUIT
16	3" SCH. 10 316 SST PIPE, GE/PE, LENGTH TO SUIT
17	1/2" 300# HALF COUPLING W/ 1/2" 316 S.S.T. BALL VALVE AND 1/4" POLYETHYLENE TUBING CONNECTION TO SAMPLE PANEL. SEE NOTE 5 ON THIS SHEET
18	4" SCH. 10 316 SST 90° BEND
19	4" SCH. 10 316 SST PIPE, PE/PE, LENGTH TO SUIT
20	8" SCH. 10 316 SST PIPE, PE/FL, LENGTH TO SUIT
21	8" SCH. 10 316 SST PIPE, PE/PE, LENGTH TO SUIT
22	8"x4" SCH. 10 316 SST REDUCING TEE

**GENERAL NOTES:**

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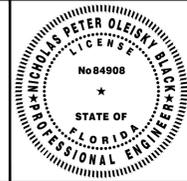
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No.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT	144957082
DATE	NOV 2024
SCALE	AS SHOWN
DESIGNED BY	NPOB
DRAWN BY	AH
CHECKED BY	JEP

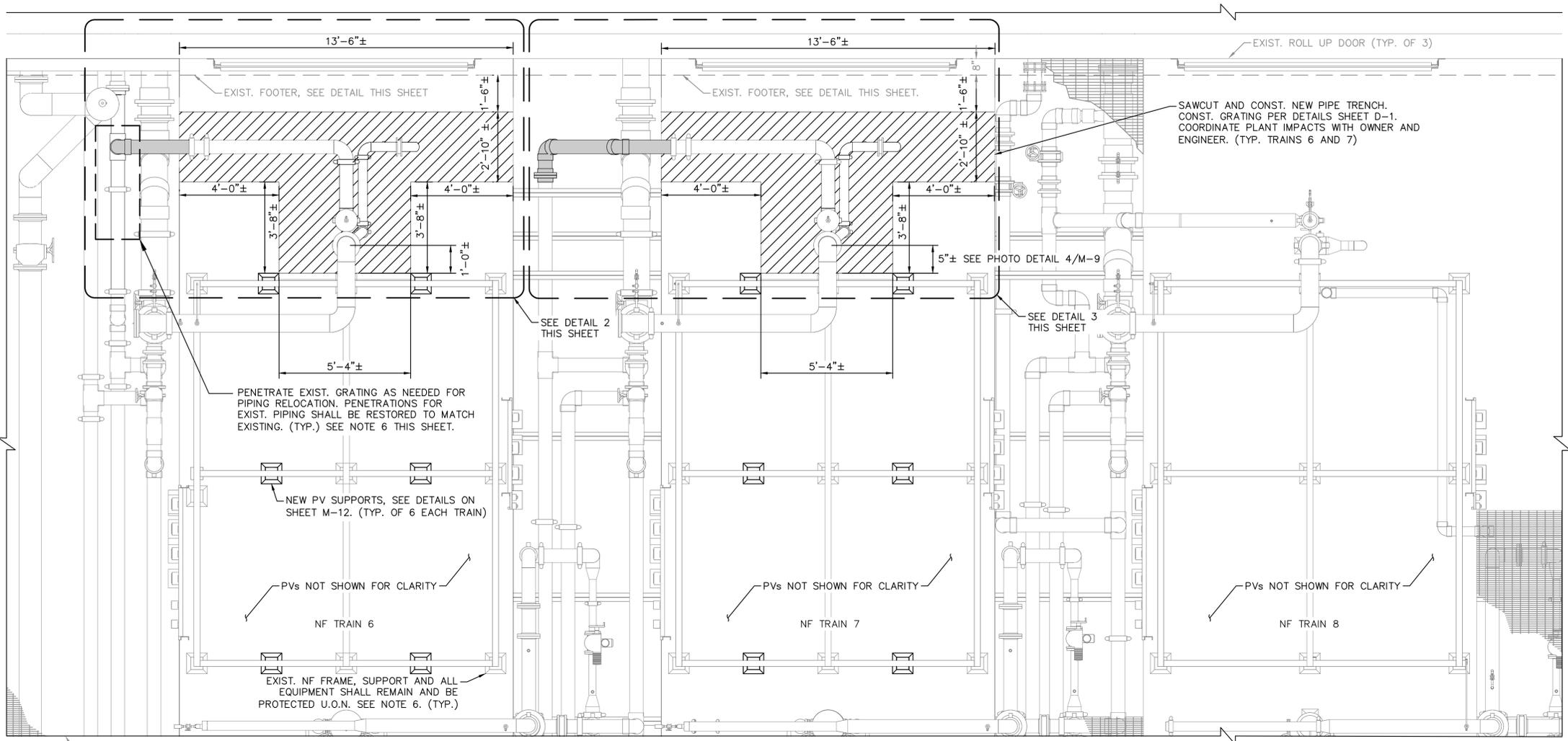
**WTP MEMBRANE PLANT #2 (M2)**  
**EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA



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**TRAIN 7 NFP DETAILS**  
 ON THE DATE ADJACENT TO THE SEAL

SHEET NUMBER  
**M-10**  
 10 OF 15

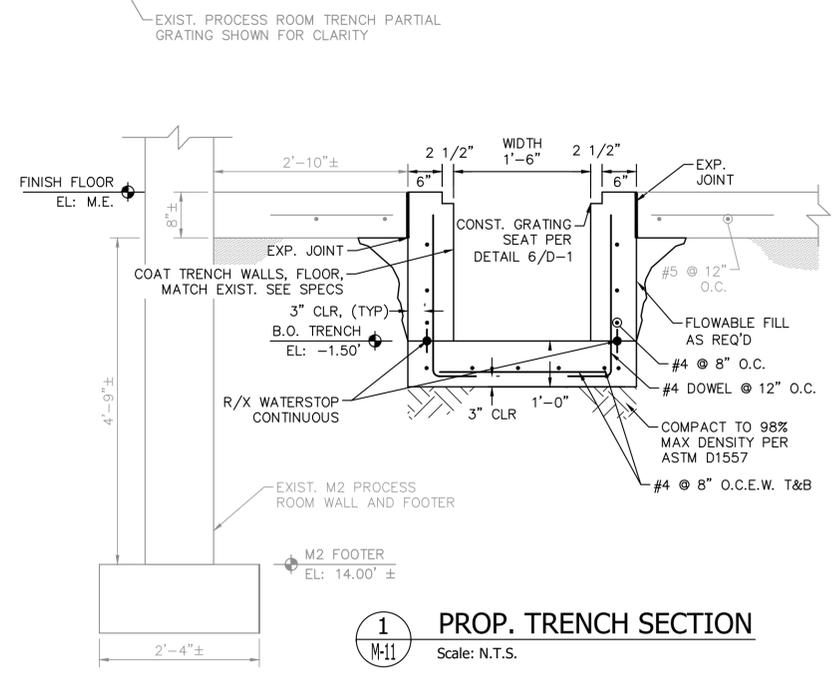
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 Sheet Set: W04 M2 EXPANSION Layout: M-11 PROCESS ROOM TRENCH PLAN AND DETAILS  
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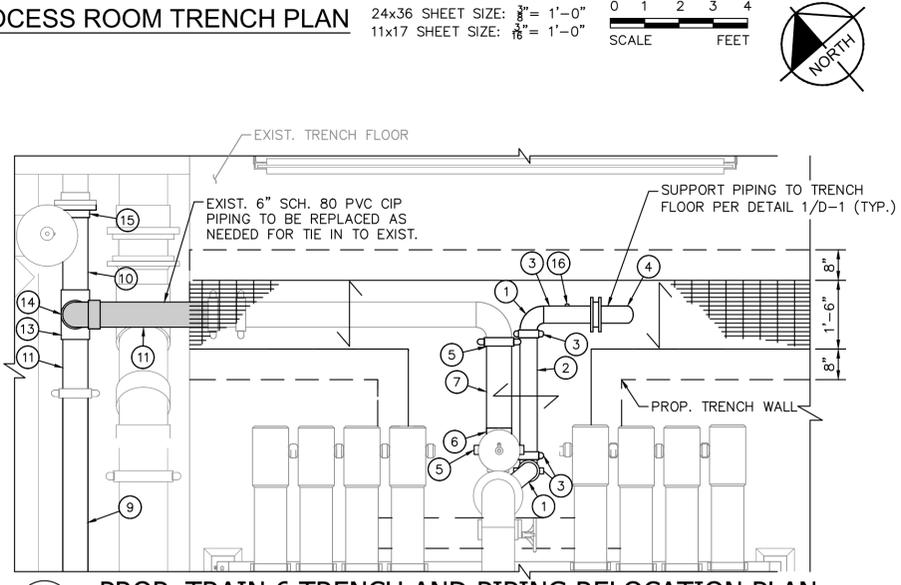
**PROCESS ROOM TRENCH PLAN** 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{1}{8}'' = 1'-0''$  SCALE FEET

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  - ALUMINUM BAR GRATING SHALL BE FULLY BANDED AT PERIMETER & PENETRATIONS.

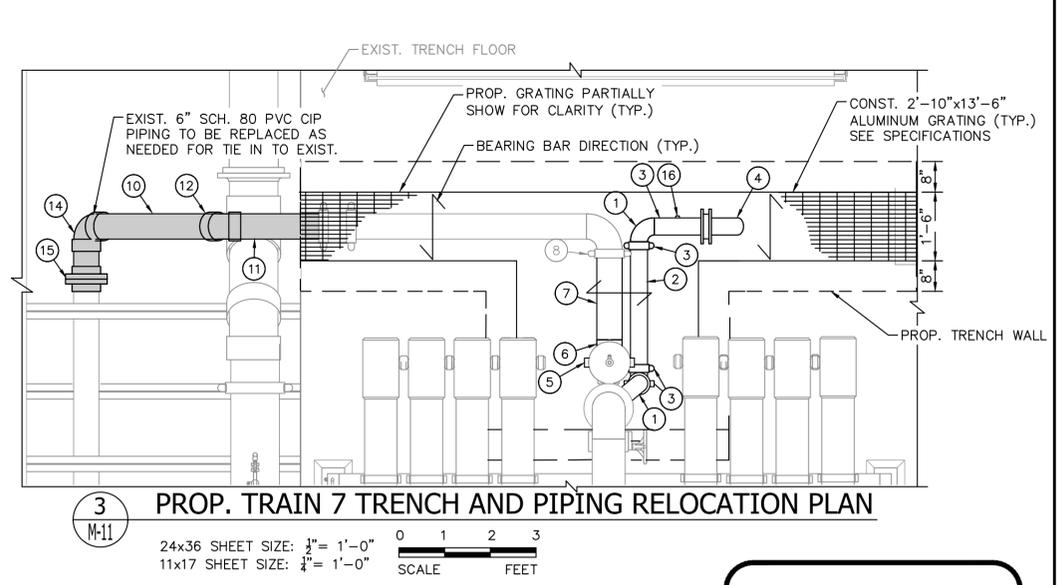
SHEET KEYNOTE LEGEND	
ITEM	DESCRIPTION
1	4" SCH. 10 316 S.S.T. 90° BEND
2	4" SCH. 10 316 S.S.T. PIPE, PE/GE, LENGTH TO SUIT
3	4" 316 S.S.T. GE COUPLING
4	4" SCH. 10 316 SST 45° BEND
5	6" 316 S.S.T. GE COUPLING
6	6" SCH. 10 316 S.S.T. 90° BEND
7	6" SCH. 10 316 S.S.T. PIPE, PE/GE, LENGTH TO SUIT
8	EXIST. 6" 316 S.S.T. GE COUPLING (TRAIN 7 ONLY)
9	6" SCH. 80 PVC GE/GE
10	6" SCH. 80 PVC PE/PE
11	6" SCH. 80 PVC PE/GE
12	6" SCH. 80 PVC 45° BEND
13	6" SCH. 80 PVC TEE
14	6" SCH. 80 PVC 90° BEND
15	6" SCH. 80 PVC VAN STONE FLANGE
16	1" NFPT WELDED BOSS W/ 316 SST PLUG FOR FLOW SWITCH (FUTURE)



**1 PROP. TRENCH SECTION**  
 Scale: N.T.S.



**2 PROP. TRAIN 6 TRENCH AND PIPING RELOCATION PLAN**  
 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{1}{8}'' = 1'-0''$  SCALE FEET



**3 PROP. TRAIN 7 TRENCH AND PIPING RELOCATION PLAN**  
 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{1}{8}'' = 1'-0''$  SCALE FEET

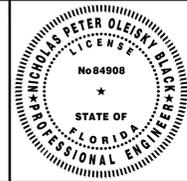
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**Kimley»Horn**

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 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT  
 144957082  
 DATE  
 APR 2024  
 SCALE AS SHOWN  
 DESIGNED BY NPOB  
 DRAWN BY AH  
 CHECKED BY JEP

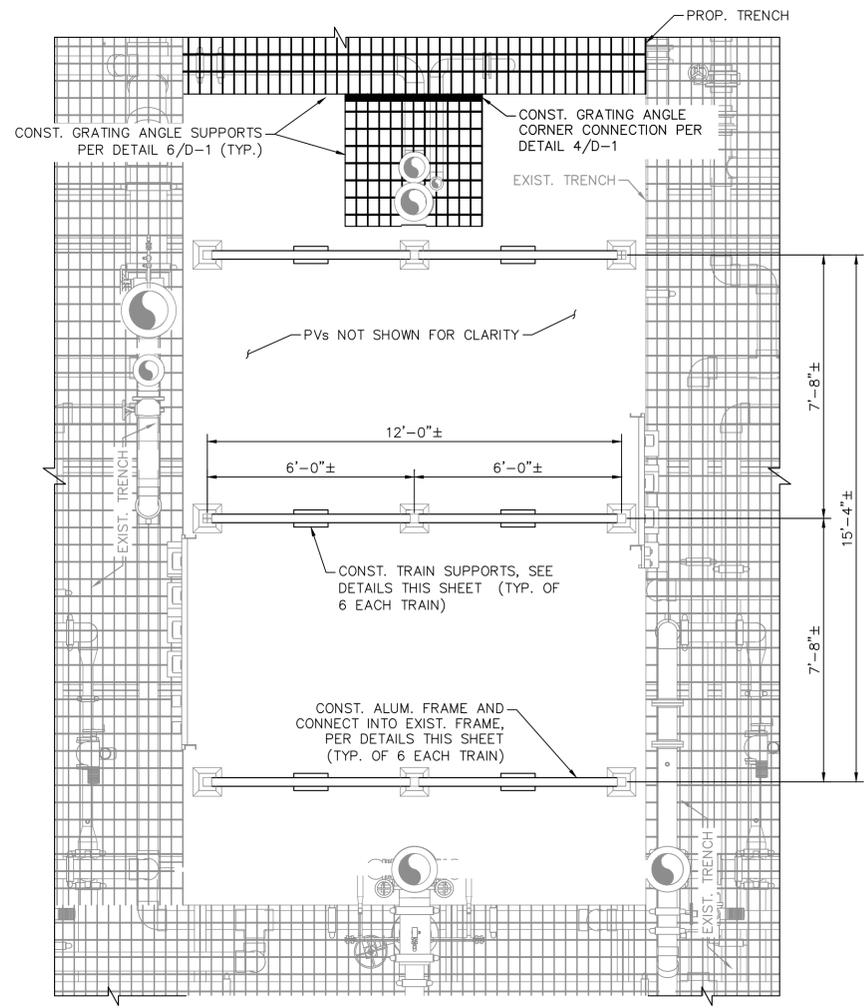
**WTP MEMBRANE PLANT #2 (M2)  
 EXPANSION**  
 PREPARED FOR  
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 FLORIDA



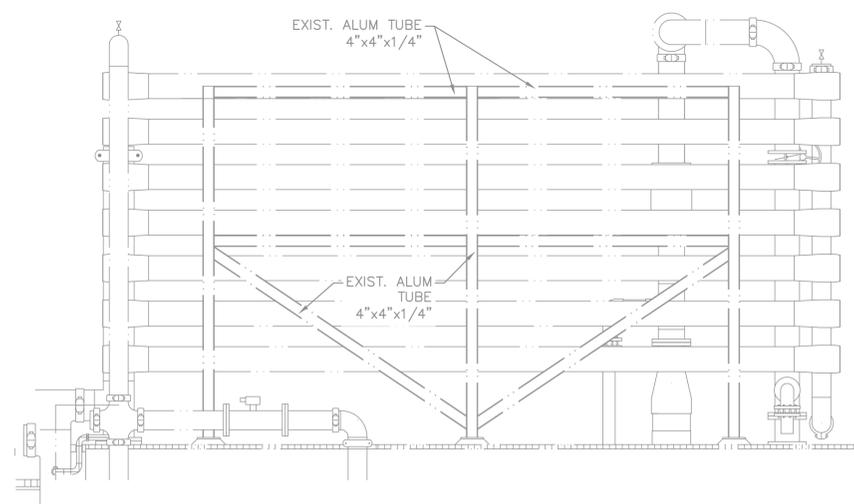
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**PROCESS ROOM TRENCH PLAN AND DETAILS**  
 ON THE DATE ADJACENT TO THE SEAL

SHEET NUMBER  
**M-11**  
 11 OF 15

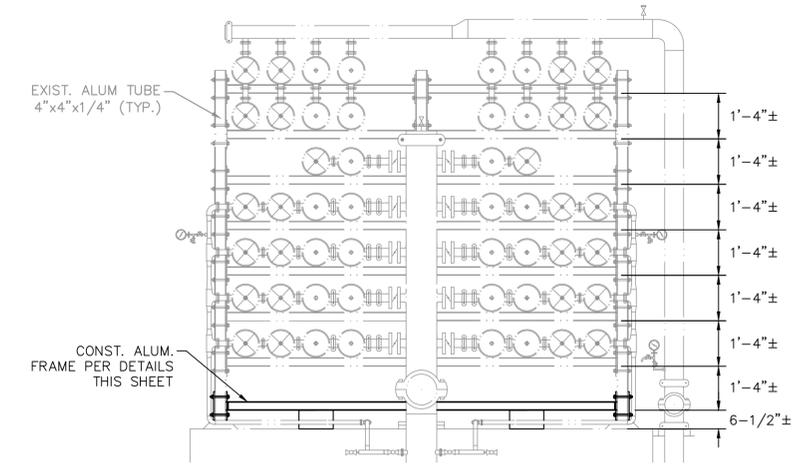
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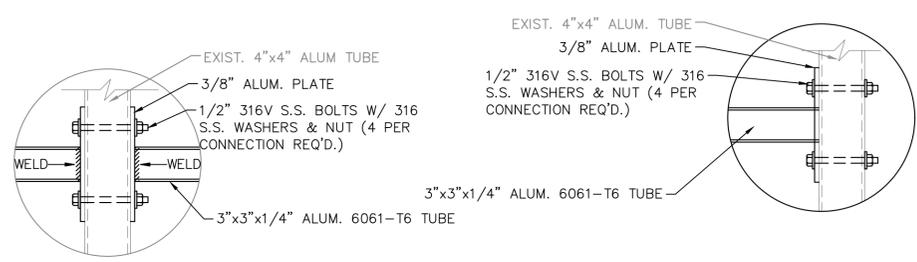
**1 NF TRAIN 6 AND 7 FRAME SECTION TOP VIEW**  
 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{16}'' = 1'-0''$   
 SCALE FEET



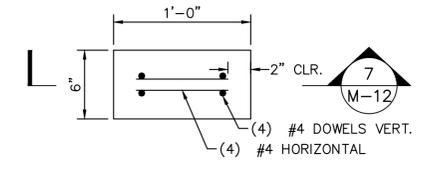
**2 EXIST. NF TRAIN 6 AND 7 FRAME SECTION SIDE VIEW**  
 24x36 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{16}'' = 1'-0''$   
 SCALE FEET



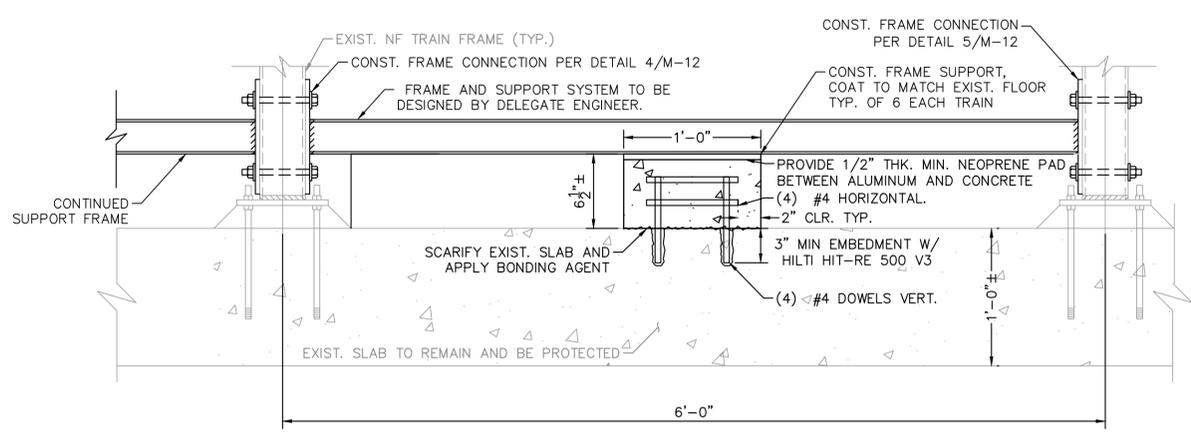
**3 NF TRAIN 6 AND 7 FRAME SECTION FRONT VIEW**  
 Scale: N.T.S.



**5 NF TRAIN 6 AND 7 FRAME DETAIL**  
 24x36 SHEET SIZE:  $1\frac{1}{2}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 SCALE FEET



**6 NF TRAIN 6 AND 7 FRAME SUPPORT PLAN**  
 24x36 SHEET SIZE:  $1\frac{1}{2}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 SCALE FEET



**7 NF TRAIN 6 AND 7 FRAME AND SUPPORT SECTION**  
 24x36 SHEET SIZE:  $1\frac{1}{2}'' = 1'-0''$   
 11x17 SHEET SIZE:  $\frac{3}{8}'' = 1'-0''$   
 SCALE FEET

**GENERAL NOTES:**

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- SUPPORT FRAME SUPPLIER SHALL PROVIDE DRAWINGS AND CALCULATIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA THAT MEETS THE REQUIREMENTS OF FLORIDA BUILDING CODE, LATEST EDITION.
- CONTRACTOR SHALL SUBMIT DESIGN INFORMATION, SIGNED AND SEALED DELEGATE ENGINEER CALCULATIONS IN SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.
- ALL PIPING SHALL BE SCH. 10 316 SST, U.O.N. ALL GROOVES SHALL BE SCH. 40 CUT GROOVES.
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- ALUMINUM BAR GRATING SHALL BE FULLY BANDED @ PERIMETER & PENETRATIONS.

**PBCHD SUBMITTAL**

**NOT FOR CONSTRUCTION**

No.	REVISIONS	DATE	BY

**Kimley»Horn**

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**WTP MEMBRANE PLANT #2 (M2)**  
**EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA

**TRAINS 6 & 7 FRAME DETAILS**

SHEET NUMBER	<b>M-12</b>
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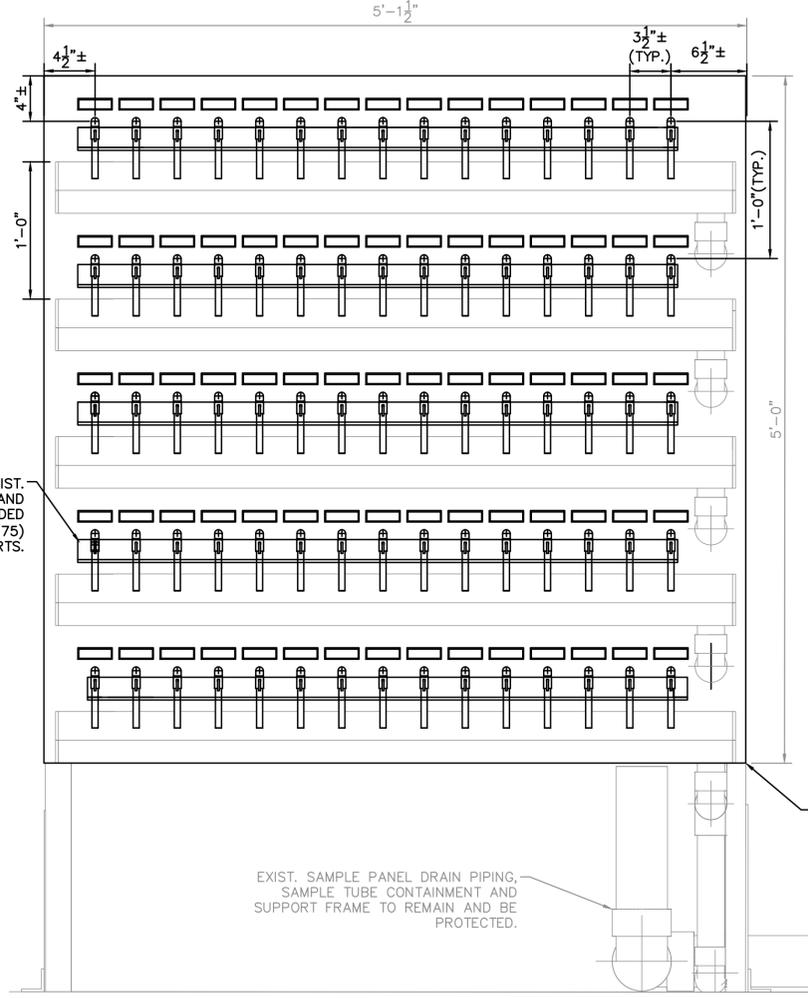
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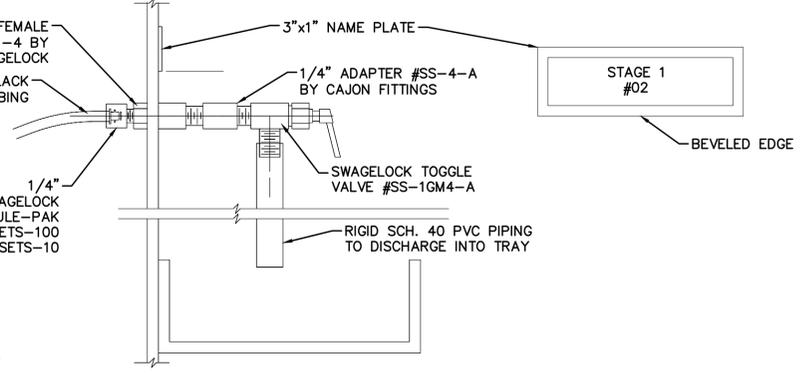
REMOVE EXIST. SAMPLE PORTS AND DEMO. EXIST. 61.5"x60" PANEL. CONST. NEW PANEL AND ADD PENETRATIONS AS NEEDED TO ACCOMMODATE 75 SAMPLE PORTS.  
  
 REINSTALL SIXTY (60) EXIST. SAMPLE PORT ASSEMBLIES AND CONST. FIFTEEN (15) NEW PER DETAIL THIS SHEET.

EXIST. DRAIN CHANNELS AND PIPING TO BE REMOVED AND REINSTALLED ON NEW PANEL.  
  
 REPLACE SAMPLE PORT LABELS WITH NEW PER DETAIL 3 THIS SHEET.  
  
 SAMPLE TUBING FOR NEW PVs TO BE ROUTED THROUGH EXIST. CONTAINMENT PIPING.  
  
 EXIST. SAMPLE PANEL DRAIN, PIPING, SAMPLE TUBE CONTAINMENT AND SUPPORT FRAME TO REMAIN.

**1** NF TRAIN 6 AND 7 SAMPLE PANEL (TYP.) PHOTO DETAIL  
 Scale: NTS



**2** PROP. TRAIN 6 AND 7 (TYP.) SAMPLE PANEL LAYOUT  
 Scale: 1-1/2" = 1'-0"



**3** SAMPLE PORT AND NAME PLATE DETAIL  
 Scale: NTS

- NOTES:
- NAMEPLATES TO BE ENGRAVED 5/32" HIGH LETTERS ON A BACKGROUND MATCHING EXIST. OF 1/16" THICK LAMINATED PLASTIC.
  - ALL NOMENCLATURE TO BE STRAIGHT UP AND DOWN. LETTERING TO BE CENTERED ON NAME PLATES.
  - NOMENCLATURE OF LABELS SHALL BE SUBJECT TO OWNER'S APPROVAL.

- NOTES:
- PROVIDE TUBING AND SAMPLING ABILITY AS REQUIRED TO SECURE A PRODUCT SAMPLE FROM EACH VESSEL, FEED HEADER, CONCENTRATE HEADER, INTERSTAGE HEADER, AND OTHER SOURCES AS INDICATED BY THE EXISTING SAMPLE PANEL.
  - ROUTING OF ALL SAMPLE TUBING SHALL BE SIMILAR TO EXISTING TRAIN. PROVIDE 316 S.S. ISOLATION VALVES AT CONNECTIONS POINTS FOR ALL SAMPLE TUBING EXCEPT EACH INDIVIDUAL PRODUCT SAMPLE WHERE PVC VALVES MAY BE USED.
  - PROVIDE SAMPLE PANEL CONNECTION FOR EACH PRODUCT TUBE AT THE FOLLOWING ADDITIONAL POINTS FOR TRAINS 6 AND 7: COMMON FIRST STAGE PRODUCT, COMMON SECOND STAGE PRODUCT, COMMON TOTAL PRODUCT, COMMON REJECT, COMMON FIRST STAGE FEES, AND INTERSTAGE FEED.
  - RUN LABELED SAMPLE TUBING TO TRAINS 7 AND 8 SAND CONNECT TUBING TO TRAIN 7 AND 8 POINTS. PROVIDE SAMPLE PANEL WITH VALVING AS REQUIRED FRO VESSELS ON TRAIN 8.
  - PANEL TO PROVIDE 75 SAMPLE LOCATIONS TOTAL.

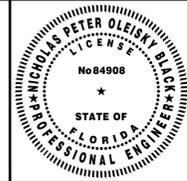
**PBCHD SUBMITTAL**  
**NOT FOR CONSTRUCTION**

No.	REVISIONS	DATE	BY

**Kimley»Horn**  
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 1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT	144957082
DATE	NOV 2024
SCALE	AS SHOWN
DESIGNED BY	NPOB
DRAWN BY	AH
CHECKED BY	JEP

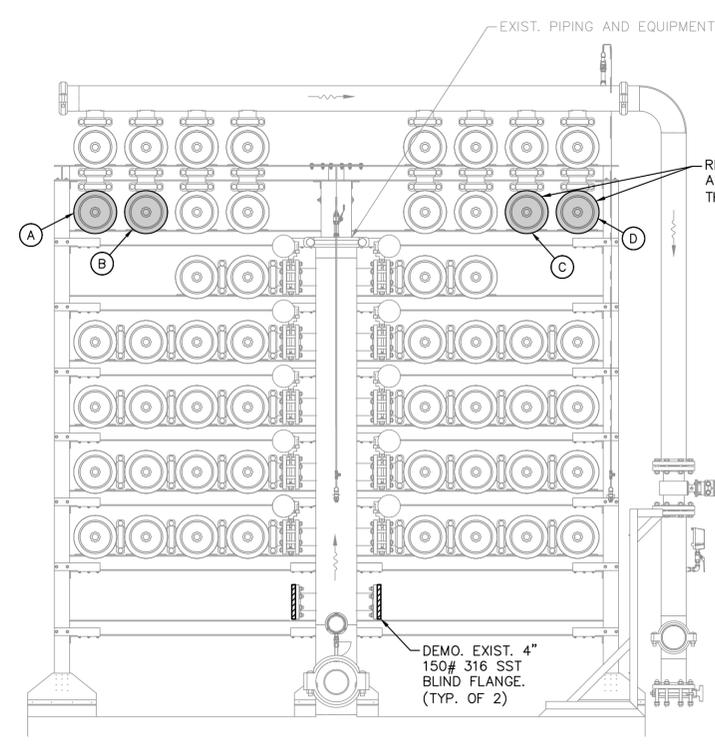
**WTP MEMBRANE PLANT #2 (M2) EXPANSION**  
 PREPARED FOR  
**VILLAGE OF WELLINGTON**  
 PALM BEACH COUNTY FLORIDA



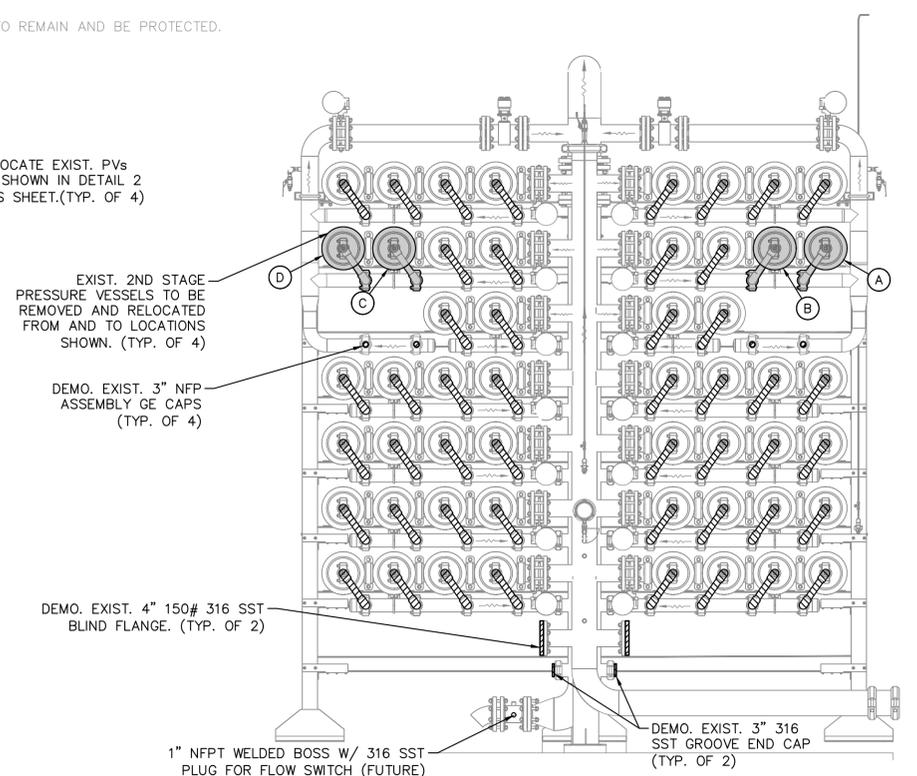
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
**TRAINS 6 & 7 SAMPLE PANEL DETAILS**  
 ON THE DATE ADJACENT TO THE SEAL.

SHEET NUMBER	M-13
13 OF 15	

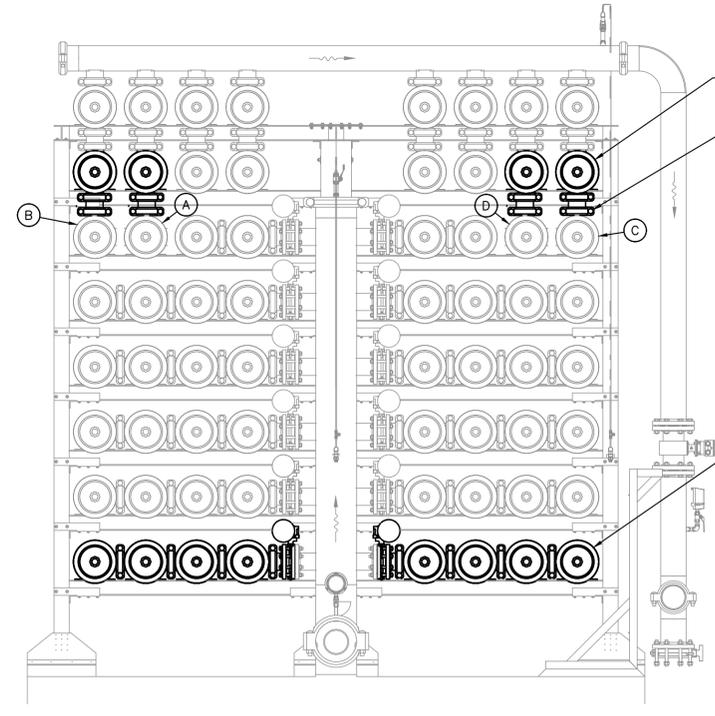
Plotted By: Cornu, Daniel  
 Sheet Set: W04 M2 EXPANSION Layout: M-14 TRAIN 8 EXPANSION SECTIONS - November 15, 2024 11:49:36am  
 K:\web\_civil\144957082 - m2\_expansion\CAD\plotsheets\M-14\_TRAIN\_8\_EXPANSION\_SECTIONS.dwg  
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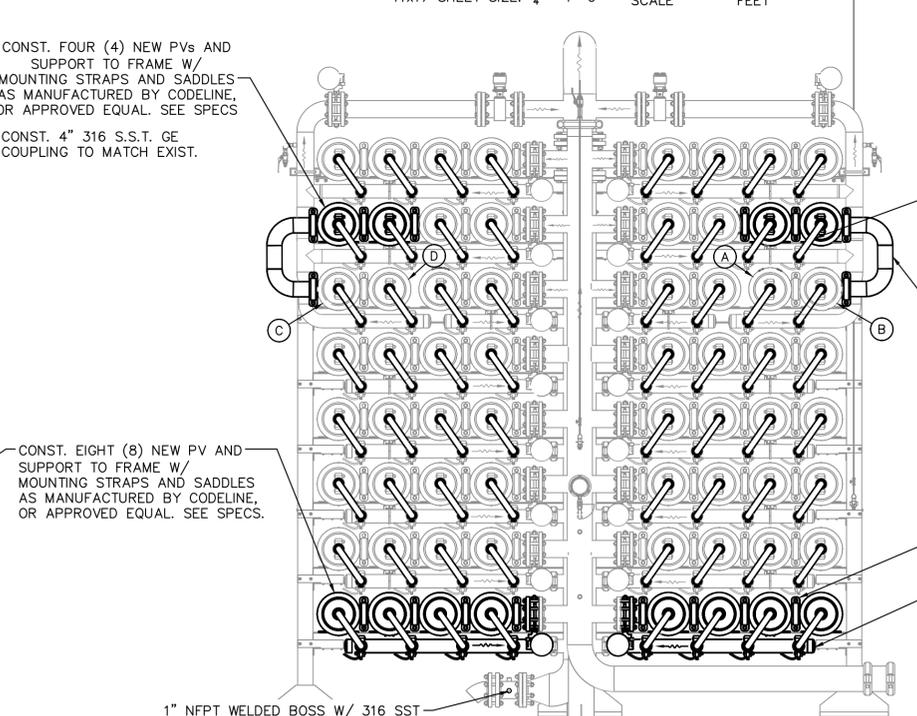
**1** EXIST 36x16 NFF/NFC SECTION  
 M-14  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET



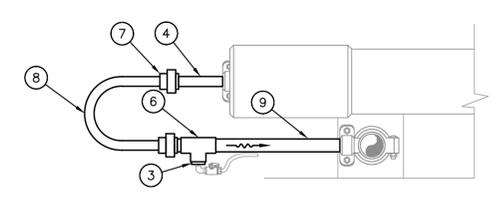
**2** EXIST. 36x16 NFI/NFP SECTION  
 M-14  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET



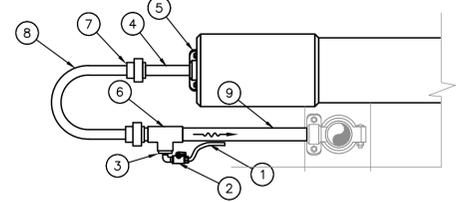
**3** PROP. 36x16 NFF/NFC SECTION  
 M-14  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET



**4** PROP. 36x16 NFI/NFP SECTION  
 M-14  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET



EXIST. VESSELS (TYP.)



PROP. VESSELS (TYP.)

**3** T8 NFP COLLECTION DETAILS  
 M-14  
 24x36 SHEET SIZE: 1 1/2" = 1'-0"  
 11x17 SHEET SIZE: 3/4" = 1'-0"  
 SCALE FEET

SHEET KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
1	1/4" POLYETHYLENE TUBING TO SAMPLE PANEL
2	1/4" SCH. 80 PVC BALL VALVE
3	1-1/4" x 1/2" SCH. 80 PVC REDUCING BUSHING
4	1-1/4" SCH. 80 PVC SOCKET X FIPT FEMALE ADAPTER
5	1-1/4" 316 SST GE COUPLING
6	1-1/4" 316 SCH. 80 PVC TEE
7	1-1/4" SCH. 80 PVC UNION
8	1-1/4" SCH. 80 PVC J-BEND
9	1-1/4" SCH. 80 PVC PIPING GE/PE

**GENERAL NOTES:**

- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS TO DEMONSTRATE FRAME IS ADEQUATE FOR ADDITIONAL VESSELS. CONTRACTOR RESPONSIBLE FOR ALL FRAME IMPROVEMENTS TO FACILITATE EXPANSION, INCLUDING ANY WORK NOT SHOWN HEREIN.
- ALL PIPING SHALL BE SCH. 10 316 SST, U.O.N. ALL GROOVES SHALL BE SCH. 40 CUT GROOVES.
- ALL STAINLESS STEEL PIPING AND FITTINGS SHALL BE FINAL PICKLED AND PASSIVATED U.O.N, WELDED 316/316L SCHEDULE 10S MINIMUM.
- CONTRACTOR SHALL VERIFY EXIST. LOCATION OF SAMPLE LINES AND TAPS. FOR ALL PIPING THAT IS TO BE REPLACED, CONTRACTOR SHALL INCLUDE CONNECTIONS FOR SAMPLE TUBING.
- PERMEATE HEADERS SHALL BE SUPPORTED BY EXIST. AND PROPOSED TRAIN FRAME STRUCTURAL MEMBERS. SUBMIT SHOP DRAWING.
- PERMEATE COLLECTION HEADER G.E. CONNECTION TO VESSEL J-BEND SHALL BE COORDINATED W/ RESPECTIVE TRAIN PERMEATE HEADER DIMENSIONS. CONTRACTOR IS HEREIN NOTIFIED THAT DIMENSIONS ON ALL TRAINS ARE NOT THE SAME.

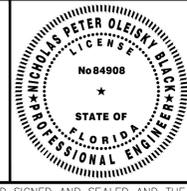
**PBCHD SUBMITTAL**

**NOT FOR CONSTRUCTION**

No.	REVISIONS	DATE	BY

**Kimley»Horn**  
 144957082  
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 1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411  
 PHONE: 561-845-0665 FAX: 561-863-8175  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT  
 DATE APR 2024  
 SCALE AS SHOWN  
 DESIGNED BY NPOB  
 DRAWN BY AH  
 CHECKED BY JEP  
**WTP MEMBRANE PLANT #2 (M2) EXPANSION**  
 PREPARED FOR VILLAGE OF WELLINGTON  
 PALM BEACH COUNTY FLORIDA



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
**TRAIN 8 EXPANSION SECTIONS**  
 ON THE DATE ADJACENT TO THE SEAL

SHEET NUMBER  
**M-14**  
 14 OF 15



# **Water Treatment Plant (WTP) Membrane Plant #2 (M2) Expansion**

*Prepared For:*  
Village of Wellington

*Prepared By:*  
Kimley-Horn and Associates, Inc.  
1920 Wekiva Way, Suite 200  
West Palm Beach FL 33411  
Ca 00000696

November 2024  
PROJECT NO. 144957082



**SECTION 01000**

TABLE OF CONTENTS

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	01300	Submittals
	01410	Testing Laboratory Services
	01600	Material and Equipment
	01720	Project Record Drawings
	01730	Operation and Maintenance Manuals
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<b>17</b>		<b>INSTRUMENTATION – NOT USED</b>

## SECTION 3 – EXHIBIT R2 SCHEDULE OF VALUES



**VILLAGE OF WELLINGTON - WTP MEMBRANE PLANT 2 EXPANSION**  
**GMP Proposal**  
**3/18/2025**

**COST SUMMARY**

Direct Costs	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Total Direct Costs			\$ -	\$ 1,388,986	\$ 1,388,986
Total GC's	\$ 621,523	\$ -	\$ -	\$ 6,600	\$ 628,123
Total GR's	\$ 21,974	\$ -	\$ 175,052	\$ 7,250	\$ 204,276
Fee				\$ 199,925	\$ 199,925
Total for Direct Costs	\$643,497	\$0	\$175,052	\$1,602,761	\$2,421,310
Contingencies and Allowances	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Owner Controlled Contingency				\$ 150,000	\$ 150,000
Dedicated Allowances (see next sheet)				\$ 147,500	\$ 147,500
Total for Contingencies and Allowances	\$0	\$0	\$0	\$297,500	\$297,500
Bond and Insurance	LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
Bond				\$ 19,529	\$ 19,529
Insurance				\$ 36,676	\$ 36,676
Total for Direct Costs	\$0	\$0	\$0	\$56,205	\$56,205
<b>TOTAL</b>	<b>\$643,497</b>	<b>\$0</b>	<b>\$175,052</b>	<b>\$1,956,466</b>	<b>\$2,775,015</b>



			COST OF WORK				
DESCRIPTION	QTY	UOM	LABOR	EQUIPMENT	MATERIALS	SUBS	\$ TOTALS
			\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	
<b>BID PACKAGE</b>							\$ 1,388,986
MEMBRANE OEM EQUIPMENT	1	LS	\$ -	\$ -	\$ -	\$ 864,460	\$ 864,460
MASTER PLANT CONTRACTOR PACKAGE	1	LS	\$ -	\$ -	\$ -	\$ 524,526	\$ 524,526
<b>ALLOWANCES</b>							\$ 147,500
ALLOWANCE FOR BUILDING PERMITS	1	LS	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000
ALLOWANCE FOR INDEPENDENT TESTING	1	LS	\$ -	\$ -	\$ -	\$ 7,500	\$ 7,500
ALLOWANCE FOR PAINTING	1	LS	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
ALLOWANCE FOR MATERIAL ESCALATIONS	1	LS	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
<b>TOTAL DIRECT COST</b>			\$ -	\$ -	\$ -	\$ 1,406,486	\$ 1,406,486



**Wharton-Smith, Inc.**  
CONSTRUCTION GROUP

JOB NAME: WTP MEMBRANE PLANT 2 EXPANSION

ESTIMATE #: 0


GENERAL CONDITIONS																		
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR			EQUIPMENT			MATERIAL			SUBCONTRACTS		\$ TOTALS		
					U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	\$ AMOUNT			
PROJECT MANAGEMENT TEAM																		
FIELD STAFF																		
Superintendent	52	WK	40	\$124.00		\$4,960.00	2,083	\$258,317			\$0.00		\$0	\$0		\$0		\$258,317
OFFICE STAFF																		
Project Manager	52	WK	20	\$122.00		\$2,440.00	1,042	\$127,075			\$0.00		\$0	\$0		\$0		\$127,075
Project Engineer	52	WK	40	\$73.00		\$2,920.00	2,083	\$152,074			\$0.00		\$0	\$0		\$0		\$152,074
Administrative Assistant	52	WK	8	\$73.00		\$584.00	417	\$30,415			\$0.00		\$0	\$0		\$0		\$30,415
OTHER STAFF																		
Executive Management	52	WK	2	\$163.00		\$326.00	104	\$16,978			\$0.00		\$0	\$0		\$0		\$16,978
Project Accountant	52	WK	2	\$97.00		\$194.00	104	\$10,104			\$0.00		\$0	\$0		\$0		\$10,104
Quality Manager	52	WK	2	\$147.00		\$294.00	104	\$15,312			\$0.00		\$0	\$0		\$0		\$15,312
Safety Manager	52	WK	2	\$108.00		\$216.00	104	\$11,249			\$0.00		\$0	\$0		\$0		\$11,249
RELATED MANAGEMENT COSTS																		
Software Costs	1	LS		\$50.00		\$0.00	0	\$0			\$0.00		\$0	\$0		\$6,600		\$6,600
<b>TOTAL GENERAL CONDITIONS</b>							6,041	\$621,523			\$0		\$0	\$0		\$6,600		\$628,123



**Wharton-Smith, Inc.**  
CONSTRUCTION GROUP

JOB NAME:	WTP MEMBRANE PLANT 2 EXPANSION				
ESTIMATE #:	0				

GENERAL REQUIREMENTS	DURATION =		0 DIRECT MANHOURS		0		MANWEEKS									
	12	MONTHS, PLANNED	0	0	MEN											
DESCRIPTION	QTY	UNIT	MH/UNIT	BASE RATE	LABOR			EQUIPMENT		MATERIAL			SUBCONTRACTS		\$ TOTALS	
					U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P		\$ AMOUNT
W/ 7% TAX																
<b>TEMP.FACILITIES &amp; UTILITIES</b>																
WATER, MONTHLY	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$250.00	\$3,000	\$3,210		\$0	\$3,210
INTERNET/TELEPHONE, MONTHLY CHARGES - W-S	15	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$500.00	\$7,500	\$8,025		\$0	\$8,025
FIELD OFFICE, WHARTON SMITH INC	15	MO	5	\$50.00	\$250.00	75	\$3,750			\$0.00	\$6,000.00	\$90,000	\$96,300		\$0	\$100,050
JOB OFFICE SUPPLIES	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$750.00	\$9,000	\$9,630		\$0	\$9,630
COMPUTER EQUIPMENT FOR FIELD OFFICE - W-S	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$1,500.00	\$1,500	\$1,605		\$0	\$1,605
TOOL TRAILERS - 1 REQUIRED	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$200.00	\$2,400	\$2,568		\$0	\$2,568
TEMPORARY TOILETS - 1 REQUIRED	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$400.00	\$4,800	\$5,136		\$0	\$5,136
TEMPORARY SEWAGE HOLDING TANKS - ENGINEER & W-S	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$300.00	\$3,600	\$3,852		\$0	\$3,852
<b>CONSTRUCTION EQUIPMENT &amp; TOOLS</b>																
SMALL TOOLS AND SUPPLIES	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$2,500	\$2,500	\$2,675		\$0	\$2,675
<b>SAFETY &amp; HEALTH &amp; HOUSEKEEPING</b>																
CLEAN-UP THROUGHOUT DURATION OF PROJECT	52	WK	6	\$50.00	\$300.00	312	\$15,624			\$0.00		\$0	\$0		\$0	\$15,624
DUMPSTERS	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$3,000.00	\$36,000	\$38,520		\$0	\$38,520
<b>PERMITS, FEES, INSURANCE, LEGAL, ETC.</b>																
BUILDER'S RISK INSURANCE- COASTAL COUNTY	12	MO		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$0	\$500.00	\$6,000	\$6,000
<b>PROJECT DOCUMENTATION AND SERVICES</b>																
PHOTOGRAPHS	12	MO		\$50.00	\$0.00	0	\$0			\$0.00	\$150.00	\$1,800	\$1,926		\$0	\$1,926
PRE-CONSTRUCTION AUDIO-VIDEO DOCUMENTATION	1	LS		\$50.00	\$0.00	0	\$0			\$0.00		\$0	\$0	\$1,250.00	\$1,250	\$1,250
DESIGN SERVICES (CADD) - AS-BUILTS	1	LS	40	\$65.00	\$2,600.00	40	\$2,600			\$0.00		\$0	\$0		\$0	\$2,600
PLANS & SPECIFICATIONS REPRODUCTION COSTS	1	LS		\$50.00	\$0.00	0	\$0			\$0.00	\$1,500.00	\$1,500	\$1,605		\$0	\$1,605
<b>TOTAL GENERAL REQUIREMENTS</b>						427	\$21,974			\$0			\$175,052		\$7,250	\$204,276

Subcontractor Bid  
Evaluation and

Trade Description:  
Project Name:  
Owner:  
Bid Date:

OEM

WTP Membrane Plant 2 Expansion  
Village of Wellington  
Wednesday, February 12, 2025

Scope Item Description	Harn RO	Aerex	Biwater
	Julie Nemeth-Harn / Ronald Castle	Montroe Hopkins	Amy Heung
	Bus: 941-488-9671 jnemeth-harn@konline.com	346-242-3675 michael.gisclair@h20innovation.com	604-782-1639 amy.heung@biwater.com
<b>Base Bid - Before Bid Alternates</b>	<b>No Bid Received</b>	<b>\$ 864,460.00</b>	<b>No Bid Received</b>
1. Submittals/shop drawings, O&M manuals.	\$ -	\$ 60,000.00	\$ -
2. Pressure Vessels	\$ -	\$ 79,675.00	\$ -
3. Membrane Elements	\$ -	\$ 135,511.00	\$ -
4. Stainless Steel Pipe, Fittings, Valves, Tubing, and Misc. Material	\$ -	\$ 81,924.00	\$ -
5. Train No. 6 Expansion	\$ -	\$ 159,500.00	\$ -
6. Train No. 7 Expansion	\$ -	\$ 161,500.00	\$ -
7. Train No. 8 Expansion	\$ -	\$ 149,500.00	\$ -
8. Sample Panel Modifications Trains 6 & 7	\$ -	\$ 17,250.00	\$ -
9. Start-Up, Commissioning & Training	\$ -	\$ 19,500.00	\$ -
10. Indemnification	\$ -	\$ 100.00	\$ -
<b>Bid Alternates</b>			
<b>Bid Document Requirements</b>			
Bid Form	N/A	Y	N/A
Acknowledged Addenda	N/A	Y	N/A
Clarifications / Exceptions	N/A	Y	N/A
Value Engineering Proposal	N/A	Y	N/A
License	N/A	Y	N/A
Bonds/Surety	N/A	Y	N/A
Membrane Warranties	N/A	Y	N/A
Certificate of Insurance	N/A	Y	N/A
<b>Scheduled Lead Times for Deliverables and Construction</b>			
1. Submittal Package (From Contract Execution)		45 days	
2. Pressure Vessels		Protec 60 days, Codeline 200 days	
3. Membrane Elements		120 days	
4. Stainless Steel Pipe, Fittings, Valves, Tubing, and Misc. Materials		90 days	
5. Train No. 6 Expansion		60 days	
6. Train No. 7 Expansion		60 days	
7. Train No. 8 Expansion		60 days	
<b>Subtotal (Base Bid):</b>	No Bid Received	\$ 864,460.00	No Bid Received
<b>Adjustment:</b>	\$ -	\$ -	\$ -
<b>Total Adjusted Scope:</b>	\$ -	\$ 864,460.00	\$ -

Recommend Aerex as the lowest responsive bidder.

## BID FORM

Project: WTP Membrane Plant #2 (M2) Expansion  
 Bid Package: Membrane System OEM  
 To: Josh Burns – Preconstruction Manager  
 Wharton-Smith, Inc.  
[watergmpbids@whartonsmith.com](mailto:watergmpbids@whartonsmith.com)

**Bidder Information:**

Company: Aerex Industries, Inc.  
 Contact Name: Adam W. Honour Title: Project Manager  
 Address: 113 North 2nd Street  
Fort Pierce, Florida 34950  
 Phone Number: 772-448-5824 Fax: 772-467-2608

**Bid Proposal Documentation Checklist (check all that apply):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Bid Form      | <input type="checkbox"/> Value Engineering Proposal |
| <input type="checkbox"/> Sanctions and Litigation | <input type="checkbox"/> Certificate of Insurance   |
| <input type="checkbox"/> Licenses                 | <input type="checkbox"/> Clarifications             |

**Bidder’s Acknowledgements:**

1. The undersigned Bidder agrees if this bid is accepted, to enter into a Purchase Order or Subcontract Agreement with the Construction Manager per the Agreement terms included in the Bid Documents.
2. Bidder accepts all the terms and conditions of the Bid Documents.
3. Bidder has examined copies of all the Bid Documents and the following addenda:

No. OEM BM Dated Jan 15th No. M2TS / A Dated Nov 24'  
 No. M2 PLANS Dated NOV 24' No. GMP1 Add 1 Dated Feb 5th

4. Bidder has carefully examined the site and locality where the work is to be performed and the legal requirements (federal, state and local laws, ordinances, rules and regulations) and conditions affecting cost, degree of difficulty, progress or performance of the work and has made such independent investigations as Bidder deems necessary.
5. Bidder has reviewed and understands the Project Schedule provided in the Bid Documents and commits to perform and complete the Scope of Work of this Bid Proposal within the durations indicated and shall meet all milestone dates detailed therein. Bidder understands that time is of the essence and any delays in completion of any portion of the Work may result in damages.

6. This Bid is genuine and (a) not made in the interest or on behalf of any undisclosed person, firm, or corporation (b) is not submitted in the conformity with any agreement or rules of any group, association, organization, or corporation (c) Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid (d) Bidder has not solicited or induced any person, firm or corporation to refrain from bidding (e) Bidder has not sought by collusion to obtain for himself any advantage over any other Bidder or over Owner.
7. This Bid Proposal will remain open for acceptance by the Construction Manager for a period of one hundred and eighty (180) days after the date submitted. The price is to be valid for the duration of the Project Schedule after execution of a Purchase Order or Subcontract Agreement.
8. The total base bid includes all labor, material, equipment, taxes, overhead, profit and all other costs required to complete the scope of this Bid Package as outlined in the Bid Documents.

**BID PRICING – MEMBRANE SYSTEM OEM PACKAGE**

Item No.	Brief Description of Item	QTY	UM	Unit Price	Total Price
1.	Submittal Package	1	LS	\$ <u>60,000.00</u>	\$ <u>60,000.00</u>
2.	Pressure Vessels	1	LS	\$ <u>79,675.00</u>	\$ <u>79,675.00</u>
3.	Membrane Elements	1	LS	\$ <u>135,511.00</u>	\$ <u>135,511.00</u>
4.	Stainless Steel Pipe, Fittings, Valves, Tubing, and Misc. Material	1	LS	\$ <u>81,924.00</u>	\$ <u>81,924.00</u>
5.	Train No. 6 Expansion	1	LS	\$ <u>159,500.00</u>	\$ <u>159,500.00</u>
6.	Train No. 7 Expansion	1	LS	\$ <u>161,500.00</u>	\$ <u>161,500.00</u>
7.	Train No. 8 Expansion	1	LS	\$ <u>149,500.00</u>	\$ <u>149,500.00</u>
8.	Sample Panel Modifications Trains No. 6 and No. 7	1	LS	\$ <u>17,250.00</u>	\$ <u>17,250.00</u>
9.	Start-Up, Commissioning, & Training	3	EA	\$ <u>6,500.00</u>	\$ <u>19,500.00</u>
10.	Indemnification	1	LS	\$ <u>100.00</u>	\$ <u>100.00</u>
<b>Total Base Bid:</b>					\$ <u>864,460.000</u>

Eight hundred sixty-four thousand, four-hundred & sixty dollars.

**(TOTAL BASE BID AMOUNT WRITTEN IN WORDS)**

**SCHEDULED LEAD TIMES FOR DELIVERABLES**

Item No.	Brief Description of Item	Calendar Days to Complete
1.	Submittal Package	<u>45 Days</u>
2.	Pressure Vessels	<u>Protec 60, Codeline 200</u>
3.	Membrane Elements	<u>120 Days</u>
4.	Stainless Steel Pipe, Fittings, Valves, Tubing, and Misc. Material	<u>90 Days</u>

5.	Train No. 6 Expansion	60 Days
6.	Train No. 7 Expansion	60 Days
8.	Train No. 8 Expansion	60 Days

The undersigned hereby certifies that Bidder has carefully reviewed the Bid Documents and with full knowledge and understanding of the requirements of the Bid Documents and that this Bid Proposal meets all specifications, terms, and conditions contained in the Bid Documents, in its entirety.

*Adam W. Honour*

Adam Honour PM

2/12/2025

Signature

Print Name / Title

Date

**Bidder Exceptions, Exclusions, Clarifications**

Subcontractor Bid  
Evaluation and  
Comparison Sheet

Trade Description:  
Project Name:  
Owner:  
Bid Date:

Master Plant Contractor

WTP Membrane Plant 2 Expansion

Village of Wellington

Friday, March 7, 2025

Scope Item Description	Wharton-Smith, Inc.	Lawrence Lee	Florida Design Drilling LLC
	Sean White 407.321.8410 swhite@whartonsmith.com	Geoff Schmidt 561-578-7715 gs@lawrenceleeconstruction.com	Jeff Holst 561-818-3228 jeff@fldrilling.com
<b>Base Bid - Before Bid Alternates</b>	\$ 524,526.00	NO BID	NO BID
1. MPC Package Lump Sum	\$ 524,426.00	\$ -	\$ -
2. Payment & Performance Bonds	\$ -	\$ -	\$ -
3. Indemnification	\$ 100.00	\$ -	\$ -
<b>Bid Alternates / Adjustments</b>			
<b>Bid Document Requirements</b>			
Bid Form	N	N/A	N/A
Acknowledged Addenda	Y	N/A	N/A
Clarifications / Exceptions	N	N/A	N/A
Value Engineering Proposal	N	N/A	N/A
<b>Scheduled Lead Times for Deliverables and Construction</b>			
1. Submittal Package (From Contract Execution)	4 weeks	N/A	N/A
2. Process Pipe, Valves, and Fittings Lead Time	6 weeks	N/A	N/A
Train 6	25 days	N/A	N/A
Train 7	25 days	N/A	N/A
<b>Subtotal (Base Bid):</b>	\$ 524,526.00	NO BID	NO BID
<b>Adjustment (Alternates)</b>	\$ -	\$ -	\$ -
<b>Total Adjusted Scope:</b>	\$ 524,526.00	\$ -	\$ -

## BID FORM

Project: WTP Membrane Plant #2 (M2) Expansion  
 Bid Package: Master Plant Contractor  
 To: Josh Burns – Preconstruction Manager  
 Wharton-Smith, Inc.  
[watergmpbids@whartonsmith.com](mailto:watergmpbids@whartonsmith.com)

**Bidder Information:**

Company: Wharton Smith, Inc.  
 Contact Name: Sean White Title: VP of Preconstruction Services  
 Address: 750 Monroe Road  
Sanford, FL 32771  
 Phone Number: 407-321-8410 Fax: \_\_\_\_\_

**Bid Proposal Documentation Checklist (check all that apply):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Bid Form      | <input type="checkbox"/> Value Engineering Proposal |
| <input type="checkbox"/> Sanctions and Litigation | <input type="checkbox"/> Certificate of Insurance   |
| <input type="checkbox"/> Licenses                 | <input type="checkbox"/> Clarifications             |

**Bidder’s Acknowledgements:**

- The undersigned Bidder agrees if this bid is accepted, to enter into a Purchase Order or Subcontract Agreement with the Construction Manager per the Agreement terms included in the Bid Documents.
- Bidder accepts all the terms and conditions of the Bid Documents.
- Bidder has examined copies of all the Bid Documents and the following addenda:

No. \_\_\_\_\_ Dated \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

No. \_\_\_\_\_ Dated \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

- Bidder has carefully examined the site and locality where the work is to be performed and the legal requirements (federal, state and local laws, ordinances, rules and regulations) and conditions affecting cost, degree of difficulty, progress or performance of the work and has made such independent investigations as Bidder deems necessary.
- Bidder has reviewed and understands the Project Schedule provided in the Bid Documents and commits to perform and complete the Scope of Work of this Bid Proposal within the durations indicated and shall meet all milestone dates detailed therein. Bidder understands that time is of the essence and any delays in completion of any portion of the Work may result in damages.

6. This Bid is genuine and (a) not made in the interest or on behalf of any undisclosed person, firm, or corporation (b) is not submitted in the conformity with any agreement or rules of any group, association, organization, or corporation (c) Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid (d) Bidder has not solicited or induced any person, firm or corporation to refrain from bidding (e) Bidder has not sought by collusion to obtain for himself any advantage over any other Bidder or over Owner.
7. This Bid Proposal will remain open for acceptance by the Construction Manager for a period of one hundred and eighty (180) days after the date submitted. The price is to be valid for the duration of the Project Schedule after execution of a Purchase Order or Subcontract Agreement.
8. The total base bid includes all labor, material, equipment, taxes, overhead, profit and all other costs required to complete the scope of this Bid Package as outlined in the Bid Documents.

**BID PRICING – MEMBRANE SYSTEM MPC PACKAGE**

Item No.	Brief Description of Item	QTY	UM	Unit Price	Total Price
1.	MPC Package	1	LS	\$ 524,426.00	\$ 524,426.00
2.	Indemnification	1	LS	\$ 100.00	\$ 100.00
<b>Total Base Bid:</b>					<b>\$ 524,526.00</b>

**(TOTAL BASE BID AMOUNT WRITTEN IN WORDS)**

**SCHEDULED LEAD TIMES FOR DELIVERABLES**

Item No.	Brief Description of Item	Calendar Days to Complete
1.	Submittal Package	4 weeks
2.	Train No. 6 Expansion	25 days
3.	Train No. 7 Expansion	25 days

The undersigned hereby certifies that Bidder has carefully reviewed the Bid Documents and with full knowledge and understanding of the requirements of the Bid Documents and that this Bid Proposal meets all specifications, terms, and conditions contained in the Bid Documents, in its entirety.

 _____ Signature Timothy S. Smith, President/CEO	Timothy S. Smith, President/CEO _____ Print Name / Title	3/7/25 _____ Date
--	--	-------------------------

**Bidder Exceptions, Exclusions, Clarifications**

## Eliana Corie

---

**From:** Geoffrey Schmidt <gs@lawrenceleeconstruction.com>  
**Sent:** Sunday, March 9, 2025 4:48 PM  
**To:** Eliana Corie  
**Cc:** Collaborative GMP Bids  
**Subject:** RE: Bid Invitation - VOW Membrane Plant 2 Expansion

Eliana:

We will not be bidding.

Thanks,  
Geoff Schmidt  
**Lawrence Lee Construction Services, Inc.**  
C: 561-578-7715 | E: [GS@LawrenceLeeConstruction.com](mailto:GS@LawrenceLeeConstruction.com)

---

**From:** Eliana Corie <ecorie@whartonsmith.com>  
**Sent:** Friday, March 7, 2025 3:58 PM  
**Cc:** Collaborative GMP Bids <watergmpbids@whartonsmith.com>  
**Subject:** Bid Invitation - VOW Membrane Plant 2 Expansion

Prospective Bidder,

Wharton-Smith, Inc. is the Construction Manager at Risk (CMAR) for the **Membrane Plant 2 Expansion** project to be performed for the Village of Wellington.

You are invited to submit a competitive bid for the Master Plant Contractor scope of work, which includes but is not limited to the following:

- Coordination with OEM on modifications to Trains 6, 7 and 8
- Construction of new trench for Trains 6 and 7 as shown in the bid documents
- Installation of new aluminum grating
- Modifications to existing grating as required
- All pipe installation and connections in the new trench
- All pipe supports in the new trench
- Grouting as required above trench and in the new trench

Bid Documents can be accessed through the following link:

[Bid Documents](#)

**Bids are due on 3/17/2025 at 2:00 PM** and shall be submitted electronic to [watergmpbids@whartonsmith.com](mailto:watergmpbids@whartonsmith.com).

Thank you,



**Eliana Corie | Project Manager – S. Florida Water/Wastewater**

**Wharton-Smith, Inc. | Construction Group of Choice | [www.whartonsmith.com](http://www.whartonsmith.com)**

5210 Hood Road, Palm Beach Gardens, FL 33418

Office: (561) 748-5956 x 2319 | Cell: (561) 602-2759

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## Eliana Corie

---

**From:** Jeffrey Holst <jeff@fldrilling.com>  
**Sent:** Monday, March 10, 2025 8:19 AM  
**To:** Eliana Corie  
**Cc:** Collaborative GMP Bids  
**Subject:** Re: Bid Invitation - VOW Membrane Plant 2 Expansion

Good morning, we will not be bidding this.

Thanks for reaching out!

**JEFFREY HOLST**  
*Senior Vice President*



Florida Design Drilling LLC  
7733 Hooper Road  
West Palm Beach, FL 33411

Mobile: 561-818-3228  
[Jeff@FLDrilling.com](mailto:Jeff@FLDrilling.com)  
[www.FLDrilling.com](http://www.FLDrilling.com)

On Fri, Mar 7, 2025 at 3:58 PM Eliana Corie <[ecorie@whartonsmith.com](mailto:ecorie@whartonsmith.com)> wrote:

Prospective Bidder,

Wharton-Smith, Inc. is the Construction Manager at Risk (CMAR) for the **Membrane Plant 2 Expansion** project to be performed for the Village of Wellington.

You are invited to submit a competitive bid for the Master Plant Contractor scope of work, which includes but is not limited to the following:

- Coordination with OEM on modifications to Trains 6, 7 and 8
- Construction of new trench for Trains 6 and 7 as shown in the bid documents
- Installation of new aluminum grating

- Modifications to existing grating as required
- All pipe installation and connections in the new trench
- All pipe supports in the new trench
- Grouting as required above trench and in the new trench

Bid Documents can be accessed through the following link:

Bid Documents

**Bids are due on 3/17/2025 at 2:00 PM** and shall be submitted electronic to [watergmpbids@whartonsmith.com](mailto:watergmpbids@whartonsmith.com).

Thank you,



**Eliana Corie | Project Manager – S. Florida Water/Wastewater**

**Wharton-Smith, Inc. | Construction Group of Choice**  
| [www.whartonsmith.com](http://www.whartonsmith.com)

5210 Hood Road, Palm Beach Gardens, FL 33418

Office: (561) 748-5956 x 2319 | Cell: (561) 602-2759

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## SECTION 4 – EXHIBIT R3 CONSTRUCTION SCHEDULE

WTP M2 Expansion		Village of Wellington							18-Mar-25 14:43																									
Activity ID	Activity Name	Original Duration	Actual Duration	Remaining Duration	Duration % Complete	Start	Finish	Total Float	2025 2026 2027																									
									Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M
<b>WTP M2 Expansion</b>		388	0	388	0%	28-Apr-25	06-Nov-26	0	06-Nov-26, WTP M2 Expansion																									
<b>General Conditions</b>		558	0	558	0%	28-Apr-25	06-Nov-26	0	06-Nov-26, General Conditions																									
<b>Administration</b>		0	0	0	0%	28-Apr-25	28-Apr-25	0	28-Apr-25, Administration																									
A1000	Notice to Proceed	0	0	0	0%	28-Apr-25		0	◆ Notice to Proceed																									
<b>Wharton-Smith</b>		30	0	30	0%	07-Oct-26	06-Nov-26	0	06-Nov-26, Wharton-Smith																									
A1010	Substantial Completion	0	0	0	0%		07-Oct-26	0	◆ Substantial Completion																									
A1020	Punchlist	30	0	30	0%	08-Oct-26	06-Nov-26	0	■ Punchlist																									
A1030	Final Completion	0	0	0	0%		06-Nov-26	0	◆ Final Completion																									
<b>Procurement</b>		274	0	274	0%	28-Apr-25	26-Jan-26	151	26-Jan-26, Procurement																									
<b>Submittals</b>		60	0	60	0%	28-Apr-25	26-Jun-25	151	26-Jun-25, Submittals																									
A1040	Codeline Pressure Vessels	60	0	60	0%	28-Apr-25	26-Jun-25	151	■ Codeline Pressure Vessels																									
A1050	Membranes	60	0	60	0%	28-Apr-25	26-Jun-25	91	■ Membranes																									
A1060	SS Pipe	60	0	60	0%	28-Apr-25	26-Jun-25	0	■ SS Pipe																									
A1410	Protec Pressure Vessels	60	0	60	0%	28-Apr-25	26-Jun-25	16	■ Protec Pressure Vessels																									
<b>Review and Approve</b>		14	0	14	0%	27-Jun-25	10-Jul-25	151	10-Jul-25, Review and Approve																									
A1070	Codeline Pressure Vessels	14	0	14	0%	27-Jun-25	10-Jul-25	151	■ Codeline Pressure Vessels																									
A1080	Membranes	14	0	14	0%	27-Jun-25	10-Jul-25	91	■ Membranes																									
A1090	SS Pipe	14	0	14	0%	27-Jun-25	10-Jul-25	0	■ SS Pipe																									
A1420	Protec Pressure Vessels	14	0	14	0%	27-Jun-25	10-Jul-25	16	■ Protec Pressure Vessels																									
<b>Fabrication and Delivery</b>		200	0	200	0%	11-Jul-25	26-Jan-26	151	26-Jan-26, Fabrication and Delivery																									
A1100	Codeline Pressure Vessels	200	0	200	0%	11-Jul-25	26-Jan-26	151	■ Codeline Pressure Vessels																									
A1110	Membranes	120	0	120	0%	11-Jul-25	07-Nov-25	91	■ Membranes																									
A1120	SS Pipe	90	0	90	0%	11-Jul-25	08-Oct-25	0	■ SS Pipe																									
A1430	Protec Pressure Vessels	60	0	60	0%	11-Jul-25	08-Sep-25	16	■ Protec Pressure Vessels																									
<b>Site</b>		5	0	5	0%	08-Sep-25	15-Sep-25	12	15-Sep-25, Site																									
A1130	Mobilization	5	0	5	0%	08-Sep-25	15-Sep-25	12	■ Mobilization																									
<b>Train 6 Modifications</b>		105	0	105	0%	15-Sep-25	17-Feb-26	0	17-Feb-26, Train 6 Modifications																									
A1140	Shutdown	0	0	0	0%	15-Sep-25		12	◆ Shutdown																									
A1180	Frame Modifications	5	0	5	0%	15-Sep-25	22-Sep-25	12	■ Frame Modifications																									
A1150	Feed, Concentrate, Permeate and Interstage Mods	60	0	60	0%	08-Oct-25	08-Jan-26	0	■ Feed, Concentrate, Permeate and Interstage Mods																									
A1160	Build Trench	10	0	10	0%	08-Jan-26	22-Jan-26	0	■ Build Trench																									
A1170	Install Trench Pipe	5	0	5	0%	22-Jan-26	29-Jan-26	0	■ Install Trench Pipe																									
A1190	Pressure Testing	1	0	1	0%	29-Jan-26	30-Jan-26	0	■ Pressure Testing																									
A1200	Disinfection & Flushing	5	0	5	0%	30-Jan-26	06-Feb-26	0	■ Disinfection & Flushing																									
A1220	Load Membranes	2	0	2	0%	06-Feb-26	10-Feb-26	0	■ Load Membranes																									
A1210	Bacteriological Testing	2	0	2	0%	10-Feb-26	12-Feb-26	0	■ Bacteriological Testing																									
A1230	Acceptance Test	3	0	3	0%	12-Feb-26	17-Feb-26	0	■ Acceptance Test																									
<b>Train 7 Modifications</b>		93	0	93	0%	17-Feb-26	26-Jun-26	0	26-Jun-26, Train 7 Modifications																									
A1240	Shutdown	0	0	0	0%	17-Feb-26		0	◆ Shutdown																									
A1270	Frame Modifications	5	0	5	0%	17-Feb-26	24-Feb-26	0	■ Frame Modifications																									
A1250	Feed, Concentrate, Permeate and Interstage Mods	60	0	60	0%	24-Feb-26	19-May-26	0	■ Feed, Concentrate, Permeate and Interstage Mods																									
A1260	Build Trench	10	0	10	0%	19-May-26	02-Jun-26	0	■ Build Trench																									
A1280	Install Trench Pipe	5	0	5	0%	02-Jun-26	09-Jun-26	0	■ Install Trench Pipe																									
A1290	Pressure Testing	1	0	1	0%	09-Jun-26	10-Jun-26	0	■ Pressure Testing																									
A1300	Disinfection & Flushing	5	0	5	0%	10-Jun-26	17-Jun-26	0	■ Disinfection & Flushing																									
A1310	Load Membranes	2	0	2	0%	17-Jun-26	19-Jun-26	0	■ Load Membranes																									

■ Actual Work      ◆ Milestone  
■ Remaining Work      ▼ Summary  
■ Critical Remaining Work

Wellington WTP M2 Expansion  
Owner: Village of Wellington  
Engineer: Kimley Horn  
Contractor: Wharton-Smith Construction Group

Data Date: 28-Apr-25  
Finish Date: 06-Nov-26  
Page 1 of 2



WTP M2 Expansion		Village of Wellington							18-Mar-25 14:43																										
Activity ID	Activity Name	Original Duration	Actual Duration	Remaining Duration	Duration % Complete	Start	Finish	Total Float	Gantt Chart																										
									2025					2026					2027																
									Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M	J
A1320	Bacteriological Testing	2	0	2	0%	19-Jun-26	23-Jun-26	0	■ Bacteriological Testing																										
A1330	Acceptance Test	3	0	3	0%	23-Jun-26	26-Jun-26	0	■ Acceptance Test																										
<b>Train 8 Modifications</b>		<b>73</b>	<b>0</b>	<b>73</b>	<b>0%</b>	<b>26-Jun-26</b>	<b>07-Oct-26</b>	<b>0</b>	<span style="color: black;">▶</span> 07-Oct-26, Train 8 Modifications ◆ Shutdown																										
A1340	Shutdown	0	0	0	0%	26-Jun-26		0	◆ Shutdown																										
A1350	Feed, Concentrate, Permeate and Insterstage Mods	60	0	60	0%	26-Jun-26	18-Sep-26	0	■ Feed, Concentrate, Permeate and Insterstage Mods																										
A1360	Pressure Testing	1	0	1	0%	18-Sep-26	21-Sep-26	0	■ Pressure Testing																										
A1370	Disinfection & Flushing	5	0	5	0%	21-Sep-26	28-Sep-26	0	■ Disinfection & Flushing																										
A1380	Load Membranes	2	0	2	0%	28-Sep-26	30-Sep-26	0	■ Load Membranes																										
A1390	Bacteriological Testing	2	0	2	0%	30-Sep-26	02-Oct-26	0	■ Bacteriological Testing																										
A1400	Acceptance Test	3	0	3	0%	02-Oct-26	07-Oct-26	0	■ Acceptance Test																										

■ Actual Work      ◆ Milestone  
■ Remaining Work      ▶ Summary  
■ Critical Remaining Work

Wellington WTP M2 Expansion  
 Owner: Village of Wellington  
 Engineer: Kimley Horn  
 Contractor: Wharton-Smith Construction Group

Data Date: 28-Apr-25  
 Finish Date: 06-Nov-26  
 Page 2 of 2



## SECTION 5 – EXHIBIT R4 CONSTRUCTION MANAGER’S ALLOWANCES

The GMP includes the following Allowances for work items with undefined scopes at this time. Please note that the allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by the Village of Wellington.

1. Building Permits - \$10,000
2. Independent Testing - \$7,500
3. Painting - \$30,000
4. Material Escalations - \$100,000

## SECTION 6 – EXHIBIT R5 ASSUMPTIONS AND CLARIFICATIONS

Please note the following assumptions and clarifications regarding this proposal:

1. The work is in accordance with Kimley-Horn’s “WTP Membrane Plant #2 (M2) Expansion” drawings dated November 2024. Please refer to Section 2 for the Drawings and Specifications.
2. The GMP includes work for the Membrane Plant 2 expansion along with the associated piping and structural modifications. Pricing for the bid proposals received will remain valid for a period of one hundred and eighty (180) days after the bid date.
3. We have included an Owner Controlled Contingency of \$150,000.00. Please note that this contingency is currently shown below the line without fee, fee to be included on contingency usage once brought into the project as approved by the Village of Wellington.
4. We have included the following allowances for work items with undefined scopes at this time. Please note that the allowances are currently shown below the line without fee, fee to be included on allowance usage once brought into the project as approved by the Village of Wellington.
  - a. Building Permits - \$10,000
  - b. Independent Testing - \$7,500
  - c. Painting - \$30,000
  - d. Material Escalations - \$100,000
5. Storm water pollution prevention (SWPPP) costs are not included.
6. We have included a performance and payment bond and insurances.
7. ERP, FDEP, FDOT, & ROW permit costs are by others.
8. Costs associated with Davis-Bacon Wages & AIS requirements have not been included at this time.
9. It is assumed that the Village of Wellington will provide power and water for use during construction and startup at no cost.
10. We have not included installation and removal costs for the construction trailers, temporary water system, and internet.
11. Price includes 12 months of General Conditions and General Requirements. However, as requested by the Village of Wellington, construction trailers and internet were carried for 3 additional months to cover the downtime between the end date of the last CMAR project at the Water Treatment Plant and the start date/mobilization of M2 Expansion. Any additional costs to maintain the construction trailers and internet onsite due to delays with M2 Expansion start date will be submitted to the Owner and billed against the Owner’s Contingency.
12. We have not included any costs for electrical or instrumentation/control scope of work as there is currently none defined for this project scope.
13. We have not included any costs for Lead/Asbestos Survey nor abatement of any kind.
14. Cost Estimate and schedule reflect installing Protec pressure vessels on Trains 6 and 7 and keeping Codeline on Train 8.
15. Pricing includes no knowledge of buried or concealed conditions beyond what is indicated or shown on documents received to date. Unforeseen conflicts and utilities will be submitted as additional costs.
16. All Pricing (Labor, Material, Equipment, Subcontract) is based on current market value with no escalation or inflation adjustment. Duration of Material lead times are based on current market conditions.

17. Please refer to Section 4 for the proposed GMP schedule. Please note that the P6 schedule is referenced in “work days” as the program automatically accounts for weekends and holidays. The contract time is expressed in “calendar days”. 558 calendar days from Notice of Commencement to Final Completion indicated equates to the 388 work days shown in the P6 schedule. Our current estimated duration of on-site construction is 12 months. We have included project management staff that is appropriate for this project.

## **SECTION 7 – EXHIBIT R6 LIST OF EXTENDED WARRANTIES**

The Construction Manager's warranty and the warranty of all subcontractors and suppliers will be in accordance with the Construction Manager at Risk Agreement and the Contract Documents. All work shall be warranted for a period of one (1) year from date of final acceptance by the owner or the manufacturer's standard warranty period, whichever is greater.

Extended warranties as required by the contract specifications will be furnished to the owner during the closeout phase and prior to receipt of final payment.

## **SECTION 8 – EXHIBIT R7 GENERAL CONDITIONS AND GENERAL REQUIREMENTS**



**Wharton-Smith, Inc.**  
CONSTRUCTION GROUP

JOB NAME: WTP MEMBRANE PLANT 2 EXPANSION

ESTIMATE #: 0


GENERAL CONDITIONS																	
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR			EQUIPMENT			MATERIAL			SUBCONTRACTS		\$ TOTALS	
					U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	\$ AMOUNT		
PROJECT MANAGEMENT TEAM																	
FIELD STAFF																	
Superintendent	52	WK	40	\$124.00		\$4,960.00	2,083	\$258,317			\$0.00		\$0	\$0		\$0	\$258,317
OFFICE STAFF																	
Project Manager	52	WK	20	\$122.00		\$2,440.00	1,042	\$127,075			\$0.00		\$0	\$0		\$0	\$127,075
Project Engineer	52	WK	40	\$73.00		\$2,920.00	2,083	\$152,074			\$0.00		\$0	\$0		\$0	\$152,074
Administrative Assistant	52	WK	8	\$73.00		\$584.00	417	\$30,415			\$0.00		\$0	\$0		\$0	\$30,415
OTHER STAFF																	
Executive Management	52	WK	2	\$163.00		\$326.00	104	\$16,978			\$0.00		\$0	\$0		\$0	\$16,978
Project Accountant	52	WK	2	\$97.00		\$194.00	104	\$10,104			\$0.00		\$0	\$0		\$0	\$10,104
Quality Manager	52	WK	2	\$147.00		\$294.00	104	\$15,312			\$0.00		\$0	\$0		\$0	\$15,312
Safety Manager	52	WK	2	\$108.00		\$216.00	104	\$11,249			\$0.00		\$0	\$0		\$0	\$11,249
RELATED MANAGEMENT COSTS																	
Software Costs	1	LS		\$50.00		\$0.00	0	\$0			\$0.00		\$0	\$0	\$6,600	\$6,600	\$6,600
<b>TOTAL GENERAL CONDITIONS</b>							6,041	\$621,523			\$0		\$0	\$0	\$6,600	\$6,600	\$628,123



# Wharton-Smith, Inc.

## CONSTRUCTION GROUP

JOB NAME:	WTP MEMBRANE PLANT 2 EXPANSION				
ESTIMATE #:	0				

GENERAL REQUIREMENTS	DURATION =		0 DIRECT MANHOURS					0		MANWEEKS						
		12	MONTHS, PLANNED					0		MEN						
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR			HR/UNIT	EQUIPMENT		MATERIAL			SUBCONTRACTS		\$ TOTALS
					U/P	TOTAL MH	\$ AMOUNT		RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	\$ AMOUNT	
W/ 7% TAX																
<b>TEMP.FACILITIES &amp; UTILITIES</b>																
WATER, MONTHLY	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$250.00	\$3,000	\$3,210		\$0		\$3,210
INTERNET/TELEPHONE, MONTHLY CHARGES - W-S	15	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$500.00	\$7,500	\$8,025		\$0		\$8,025
FIELD OFFICE, WHARTON SMITH INC	15	MO	5	\$50.00	\$250.00	75	\$3,750		\$0.00	\$6,000.00	\$90,000	\$96,300		\$0		\$100,050
JOB OFFICE SUPPLIES	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$750.00	\$9,000	\$9,630		\$0		\$9,630
COMPUTER EQUIPMENT FOR FIELD OFFICE - W-S	1	LS		\$50.00	\$0.00	0	\$0		\$0.00	\$1,500.00	\$1,500	\$1,605		\$0		\$1,605
TOOL TRAILERS - 1 REQUIRED	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$200.00	\$2,400	\$2,568		\$0		\$2,568
TEMPORARY TOILETS - 1 REQUIRED	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$400.00	\$4,800	\$5,136		\$0		\$5,136
TEMPORARY SEWAGE HOLDING TANKS - ENGINEER & W-S	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$300.00	\$3,600	\$3,852		\$0		\$3,852
<b>CONSTRUCTION EQUIPMENT &amp; TOOLS</b>																
SMALL TOOLS AND SUPPLIES	1	LS		\$50.00	\$0.00	0	\$0		\$0.00	\$2,500	\$2,500	\$2,675		\$0		\$2,675
<b>SAFETY &amp; HEALTH &amp; HOUSEKEEPING</b>																
CLEAN-UP THROUGHOUT DURATION OF PROJECT	52	WK	6	\$50.00	\$300.00	312	\$15,624		\$0.00		\$0	\$0		\$0		\$15,624
DUMPSTERS	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$3,000.00	\$36,000	\$38,520		\$0		\$38,520
<b>PERMITS, FEES, INSURANCE, LEGAL, ETC.</b>																
BUILDER'S RISK INSURANCE- COASTAL COUNTY	12	MO		\$50.00	\$0.00	0	\$0		\$0.00		\$0	\$0	\$500.00	\$6,000		\$6,000
<b>PROJECT DOCUMENTATION AND SERVICES</b>																
PHOTOGRAPHS	12	MO		\$50.00	\$0.00	0	\$0		\$0.00	\$150.00	\$1,800	\$1,926		\$0		\$1,926
PRE-CONSTRUCTION AUDIO-VIDEO DOCUMENTATION	1	LS		\$50.00	\$0.00	0	\$0		\$0.00		\$0	\$0	\$1,250.00	\$1,250		\$1,250
DESIGN SERVICES (CADD) - AS-BUILTS	1	LS	40	\$65.00	\$2,600.00	40	\$2,600		\$0.00		\$0	\$0		\$0		\$2,600
PLANS & SPECIFICATIONS REPRODUCTION COSTS	1	LS		\$50.00	\$0.00	0	\$0		\$0.00	\$1,500.00	\$1,500	\$1,605		\$0		\$1,605
<b>TOTAL GENERAL REQUIREMENTS</b>						427	\$21,974		\$0		\$175,052	\$175,052		\$7,250		\$204,276

## SECTION 9 – EXHIBIT R8 SUBMITTAL SCHEDULE



Submittal Log: Wellington WTP Membrane Plant 2 Expansion					
Package	Submittal	Rev.	Title	Status	Comments
Div. 01			Schedule of Values	UNS	
			Preconstruction Video	UNS	
			Construction Schedule	UNS	
			Notice of Plant Impact	UNS	
Div.03			Concrete	UNS	
Div. 05			Miscellaneous Metals	UNS	
Div. 09			Painting	UNS	
Div. 11			Membrane Softening System	UNS	
Div. 15			Piping and Valves	UNS	