

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

2. AMENDMENT/MODIFICATION NUMBER

3. EFFECTIVE DATE

4. REQUISITION/PURCHASE REQUISITION NUMBER

5. PROJECT NUMBER (If applicable)

6. ISSUED BY

CODE

7. ADMINISTERED BY (If other than Item 6)

CODE

8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code)

(X)

9A. AMENDMENT OF SOLICITATION NUMBER

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NUMBER

10B. DATED (SEE ITEM 13)

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

(Signature of Contracting Officer)

Attachment Page

1305M423RNAAJ0004

**Pier Romeo Recapitalization North Charleston, SC
Amendment 0002**

The purpose of this Amendment is to accomplish the following:

- (1) Include the Pre-Proposal Conference Sign-in Sheet from the Pre-Proposal Conference held February 9, 2023
- (2) Include the NOAA Pier Romeo Presentation from the Pre-Proposal Conference held February 9, 2023
- (3) Include "Final Environmental Assessment - January 2023" in Section J.6 of the solicitation.



Solicitation No. 1305M423RNAAJ0004
Design-Build - Pier Romeo Recapitalization North Charleston, SC
Pre-Proposal Conference
Date: February 09, 2023

Please Print Clearly in Dark Ink

Name	Organization/Company	Email Address	Phone / Cell Phone
Paul Geringer	Michels	peringerg@michels.us	906.250.3208
Allen Barry	SShamill	Allen@SShamill.com	252-312-5133
Jordan Adams	SJ Hamill	Jordan@SJHamill.com	843.872.8002
LoBBIE Smith	Atlantic Electric	Lsmith@atlanticelectric.com	843-440-1231
Jason Potts	Atlantic Elec.	JPotts@atlanticelectric.com	843-390-3077
Boujanir Peter	Michels	BjPeters@Michels.us	910.274.5448
CHRIS GARDNER	CRUIN	CHRIS@CRUIN.com	402-203-6210
Justin Bussel	Kiewit	Justin.Bussel@kiewit.com	404-867-9508
WAEL YOUSSEF	Kiewit	Wael.youssef@kiewit.com	917-971-8101

Sign In Sheet Page ___ of ___

Please return to Ronette McBean-Felder@noaa.gov



Solicitation No. 1305M423RNAAJ0004
 Design-Build – Pier Romeo Recapitalization North Charleston, SC
 Pre-Proposal Conference
 Date: February 09, 2023

Please Print Clearly in Dark Ink _____

Name	Organization/Company	Email Address	Phone / Cell Phone
BRIAN MOODY	McLANE	BMOODY@McMcLANE.com	845 222 9493
ANDREA TAMANI	VIBENT	ANDREA.TAMANI@VIBENT.COM	561 663 3460
JAMES THOMAS	S.I. HUDSON ENGS	JTHOMAS@STHEOR	609-929-1897
William Jenkins	J.T. Hudson Engrs	wj@kaysy.com	604-572-4257 443-496-0608
Nathan Schneider	Whiting-Turner	Nathan.Schneider@whiting-turner.com	
CONOR TOURS	RUSSELL MARINE	CAMERON.TOURS@MARINEUS.COM	504-267-7467
MATT KNIGHTS	TEPA TECH	MATT.KNIGHTS@TEPA TECH.COM	757/450/4773
NEIL ESSER	WILEY WILSON	nessler@wileywilson.com	678-320-1973
MICHAEL CONRAN	MICHAEL MICHAEL	mconrann@mfathol.com	919-476-4626

Sign In Sheet Page ____ of ____

Please return to Ronette.McBean-Felder@noaa.gov



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Design-Build – Pier Romeo Recapitalization North Charleston, SC
Pre-Proposal Conference
Date: February 09, 2023

Please Print Clearly in Dark Ink _____

Name	Organization/Company	Email Address	Phone / Cell Phone
Math Perry	Cashman Design	mperry@jaycashman.com	781-364-4964
Roy Givan	Manson Const	R.GIVAN@MANSONCONSTRUCTION.COM	754-430-7156
Math LaRue	Manson Const.	mlarue@mansonconstruction.com	904-252-6357 904-821-0211
Sean Bryant	Manson Const.	MANSONGEMC@MANSONCONSTRUCTION.COM	
Boris Belussi	Michels	b.belussi@michels.us	920-238-2410
Tim Babich	Michels	tbabich@michels.us	414.238.1672
CHRIS KENNEDY	GET CONSULTANTS.COM	CKENNED@GETCONSULTANTS.COM	914-623-8011
MICHAEL D'ROUVE	CRE ROMAN CONTRACTORS.COM	MICKEYDROUVE@CREROMANCONTRACTORS.COM	843 866 0902
GREG TUTTLE	CRE ROMAN CONTRACTORS.COM	greg@creromancontractors.com	843-514-9850

Sign In Sheet Page _____ of _____

Please return to Ronette McBean-Felder@noaa.gov



Solicitation No. 1305M423RNAAJ004
 Design-Build - Pier Romeo Recapitalization North Charleston, SC
 Pre-Proposal Conference
 Date: February 09, 2023

Please Print Clearly in Dark Ink

Name	Organization/Company	Email Address	Phone / Cell Phone
Michael Romano	McLean Contracting	Mromano@mcleancontracting.com	757-377-2423
SAM TRAN	McLEAN	stran@mcleancontracting.com	757 692 9099
Keith Christensen	McLean	keith@mcleancontracting.com	757 620 0851
Richard Dove	McLean	Rrdove@mcleancontracting.com	410 490 1986
JESSE LINDSAY	WBCM	Jlindsay@wbcm.com	410.241.5844
THOMAS STAFFER	WBCM	MStaffer@wbcm.com	410 382 0706
The Trench	JMT	ttrench@jmt.com	843-779-3702
F/A MATTHEW	JMT	matthe@jmt.com	843 779-3705
Richard Wiegand	Schroder	r.wiegand@schroder-eng.com	803-240-3587

Sign In Sheet Page _____ of _____

Please return to Ronette McBean-Feldner@noaa.gov



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Design-Build - Pier Romeo Recapitalization North Charleston, SC
Pre-Proposal Conference
Date: February 09, 2023

Please Print Clearly in Dark Ink

Name	Organization/Company	Email Address	Phone / Cell Phone
Toua Matherberry	K-Con	tmatherberry@kconinc.com	205-790-6573
Branden Wall	K-Con	wallbranden1988@kconinc.com	704-352-1383
Ben West	Regnum 3	ben.west@regnumllc.com	803 507 6488
ZAC CARTER	MAINSTREAM	ZCARTER@MAINSTREAMDIVER.COM	843-709-1328
Larice Hermon	Miami Wilton	lhermon@mnw.com	214-754-6187
Daniel Masry	ACEB	dmasry@aceb.com	843 697 2855
Harry Fenson	Weldon Elec.	henson@weldon.com	843-554-6021
Ralph Peteret	WSP	RALPH.PETERET@WSP.COM	843-460-3258
BRENT COOPER	COAST	BRENT@COAST.COM	781-454-6976

Sign In Sheet Page ___ of ___

Please return to Romette.McBean-Felder@noaa.gov



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Pre-Proposal Conference
Date: February 09, 2023

Please Print Clearly in Dark Ink

Name	Organization/Company	Email Address	Phone / Cell Phone
MARK BILL	ORION	MBILL@ORIONMARINEGROUP.COM	205 796 7083
Scott Hicks	ORION	SHICKS@ORN.NET	813 449 1352
Tin Kenny	W-Int	tkenny@windward.net	941-302-6875
Arnold York	W Intermed	ayork@winterwood.net	843-329-3623
Kerris Pears	Zellan marine	Kpears@zellanmarine.com	281-309-6117
T Perstelner	MICHEL'S	tperstelner@michels.us	561 360 9264
SHAWN STOCKER	MICHEL'S	sstocker@michels.us	414-339-1099
DOE LANE	STHAMIL	DLANE@STHAMIL.COM	912-334-2007
BENJAMIN HIND	STHAMIL	BHIND@STHAMIL.COM	724-858-7494

Sign In Sheet Page ___ of ___



Solicitation No. 1305M423RNAAJ0004
Design-Build – Pier Romeo Recapitalization North Charleston, SC
Pre-Proposal Conference
Date: February 09, 2023

Please Print Clearly in Dark Ink

Name

Organization/Company

Email Address

Phone / Cell Phone

MATT SILVESTRO

INSIGHT GRP

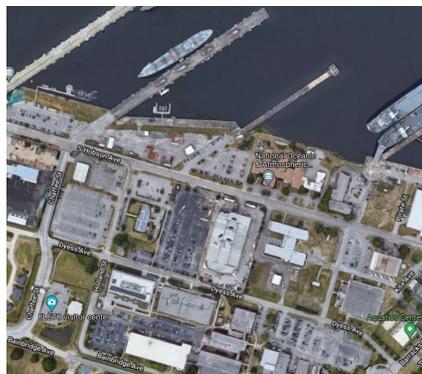
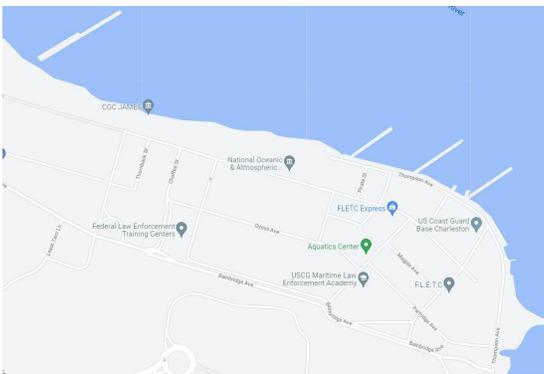
MATT.SILVESTRO@INSIGHTGRP.COM

843-200-9118

Multiple horizontal lines for additional entries.

Sign In Sheet Page ___ of ___

PRE-PROPOSAL CONFERENCE NOAA OMAO PIER ROMEO RECAPITALIZATION IN NORTH CHARLESTON, SC



Solicitation No. 1305M4-23-R-NAAJ0004

FEBRUARY 9, 2023

NOAA TEAM PERSONNEL



CONTRACTING OFFICER - Ronette McBean-Felder

SENIOR CONTRACT SPECIALIST - Diana Pickel

PROJECT MANAGER / COR - Timothy Calohan, PE

NOAA OMAO/Project Manager - Erik Juergensen

NOAA PIER ROMEO CONTACT - Rich Townes

ADG TEAM

PROJECT MANAGER - Larry Maynard, PE

CIVIL / SITE - Jeffery Montpas, PE

COASTAL ENGINEER - Adam Clinch, PE



FACILITY WELCOME

OVERVIEW OF SITE

- **Emergency Exits**
- **Fire Drills meet up location**
- **Restrooms**
- **Leaving items in Conference Room**
- **Designated smoking areas**
- **Eateries / restaurants nearby**
- **Restricted access onsite**



MEETING'S AGENDA

- **Please Sign-In**
- **Introductions/Principal Stakeholders**
- Disclaimer
- Opening Remarks
- Pre-Proposal Communications
- Authority for all Changes
- Synopsis
- Solicitation Section Overview
- Proposal Instructions
- Proposal Due Date and Delivery Instructions
- Period of Performance
- Liquidated Damages
- Basis for Award/Evaluation of Offerors Highlights
- Typical Proposal Shortfalls
- Helpful Websites
- Questions
- Technical Information

INTRODUCTIONS/PRINCIPAL STAKEHOLDERS



Contracting Officer – Ronette C. McBean-Felder

Sr. Contract Specialist – Diana Pickel

Contracting Officer's Representative – Timothy Calohan

Office of Marine and Aviation Operations (Program Office/End User) -

- Director, Platform and Infrastructure Acquisition Division - Gregory Raymond
- Senior Project Manager - Erik Juergensen

Government Representative Project Manager – TBD



DISCLAIMER

In the event that there is a conflict between the RFP terms and conditions and the information that is disseminated during today's conference, the RFP terms and conditions shall control. The formal RFP is the only document that should be relied upon in determining the Government's requirements. Any changes to the RFP will be with a formal amendment.



OPENING REMARKS

- The goal of this meeting is to ensure that the Government's requirements are clear to the potential Offerors. Ensuring that all Offerors have the opportunity to provide their best proposal to NOAA.
- Offerors will be able interact with the facility, investigate the local conditions and survey the site.
- Offerors are advised that while the Government may entertain questions during this Pre-Proposal Conference, the responses provided are not binding unless the **question(s) is/are officially submitted to the Sr. Contract Specialist and Contracting Officer as outlined in the Solicitation (via Google Form)** and an amendment is issued thereafter providing an official response.
- Each offeror is responsible for knowing and understanding the project requirements regardless of what may or may not be covered during this meeting, as this meeting is strictly for advisory purposes



PRE-PROPOSAL COMMUNICATIONS

After RFP release

FAR 15.201, allows “Exchanges with industry before receipt of proposals”

»Pre-Proposal Conference constitutes an Informal Exchange of Information

»To provide Offerors with insight into Government Evaluation of Proposals to aid with Proposal Preparation

»Pre-Proposal Conference

- No One-on-One discussions
- Follow-up comments/questions allowed

FAR 3.104, “Procurement Integrity”

AUTHORITY FOR ALL CHANGES



- Only the Contracting Officer (CO) has the authority to issue amendments prior to award and modifications after award.
- Contractors shall not contact the Contracting Officer's Representative (COR), Project Manager(s) or other members of NOAA (including the facility where the work is being accomplished) during this solicitation process on questions regarding this requirement.
- All questions pertaining to this requirement shall be addressed via the Sr. Contract Specialist and Contracting Officer. Additional concerns shall be addressed to the CO directly.
- After award a COR will be appointed by the CO with the delegated authority specified in the appointment letter.

SYNOPSIS OF CLINS



CLIN 0001 Base Pier Romeo Facility Design and Preconstruction Services, Demolition, and Sea Wall Construction:

The contractor shall complete all work outlined in the Statement of Work and applicable attachments for Design, Pre-Construction, Demolition and Sea Wall Construction of the Pier Romeo Facility Recapitalization Project. The Contractor shall complete the following tasks:

- 1) Design and Preconstruction services
- 2) Marine Demolition
- 3) Sea Wall Construction

Design & Construction Services 1 **JOB** \$ _____

OPTIONAL CLIN 0002 - Main Floating Pier Construction:

The contractor shall complete all work outlined in the Statement of Work and applicable attachments for the Main Floating Pier Construction. The Contractor shall complete the following task:

- 1) Main Floating Pier Construction

Construction Services 1 **JOB** \$ _____

OPTIONAL CLIN 0003 - Main Site Civil & Utilities:

The contractor shall complete all work outlined in the Statement of Work and applicable attachments for the Main Site Civil & Utilities. The Contractor shall complete the following task:

- 1) Main Site Civil & Utilities

Construction Services 1 **JOB** \$ _____

SYNOPSIS OF CLINS



OPTIONAL CLIN 0004 - Warehouse Construction:

The contractor shall complete all work outlined in the Statement of Work and applicable attachments for the Warehouse Construction. The Contractor shall complete the following task:

- 1) Warehouse Construction

Construction Services 1 **JOB** \$ _____

OPTIONAL CLIN 0005 - Small Vessel Floating Dock Construction:

The contractor shall complete all work outlined in the Statement of Work and applicable attachments for the Small Vessel Floating Dock Construction. The Contractor shall complete the following task:

- 1) Small Vessel Floating Dock Construction

Construction Services 1 **JOB** \$ _____

OPTIONAL CLIN 0006 - Living Shoreline Construction:

The contractor shall complete all work outlined in the Statement of Work and applicable attachments for the Living Shoreline Construction. The Contractor shall complete the following task:

- 1) Living Shoreline Construction

Construction Services 1 **JOB** \$ _____

SYNOPSIS CON'T



- This project is being solicited as Unrestricted/Full and Open Competition
- Magnitude = \$55.0M - \$65.0M
- A Firm Fixed Price Contract will be awarded
- Bonding Requirement = 100% of the contract price for both the Performance and Payment Bond
- All solicitation documents are available on SAM.gov

SOLICITATION SECTION OVERVIEW



- Solicitation
 - Sections A - M
 - Section A – SF 1442 (be sure to complete page 2 and have an official authorized to bind the company complete blocks 30 A, 30B & 30C)
 - Section B – Pricing (to include Options if applicable)
 - Section C – Description/Specifications/Work Statement
 - Section D – Packaging and Marking
 - Section E – Inspection and Acceptance
 - Section F – Deliveries or Performance
 - Section G – Contract Administration Data
 - Section H – Special Contract Requirements
 - Section I – Contract Clauses
 - Section J – List of Attachments
 - Section K – Representations, Certifications and Other Statements of Offerors
 - Section L – Instructions, Conditions and Notices to Offerors
 - Provides Instructions on Preparing your Proposal
 - Section M – Evaluation Factors For Award
 - Provides guidance on how the Government will evaluate your Proposal
- Amendments
 - 0001 – Published to SAM.gov February 2, 2023

PROPOSAL INSTRUCTIONS



Proposals

The proposal will consist of two volumes a Technical .pdf document and a Cost .pdf document. Proposals shall be submitted as follows:

- VOLUME ONE: CORPORATE / TECHNICAL INFORMATION (Electronic copy via email)
- VOLUME TWO: BUSINESS/PRICE/OFFEROR INFORMATION (Electronic copy via email)

Contractor shall also complete Sections A & B of the Solicitation (SF1442).

PROPOSAL INSTRUCTIONS



VOLUME ONE: CORPORATE / TECHNICAL INFORMATION

Shall be in accordance with Section L of the RFP. Proposals must address all technical factors as instructed. Technical factors are:

- **FACTOR 1: SAFETY & QUALITY CONTROL PROGRAM/PLAN** (Written Material ONLY)
- **FACTOR 2: CORPORATE EXPERIENCE** (Written Material ONLY)
 - SUBFACTOR 1: Offeror's Organization for the Project
 - SUBFACTOR 2: Staffing Approach and Key Resumes
- **FACTOR 3: TECHNICAL APPROACH AND RISK (ORAL PRESENTATION)**
 - SUBFACTOR 1: Understanding Scope (Oral Presentation)
 - SUBFACTOR 2: Schedule (Oral Presentation and Written Material Required)
 - SUBFACTOR 3: Designer Project Experience (Written Material ONLY)
- **FACTOR 4: CONTRACTOR PAST PERFORMANCE** (Written Material ONLY)
- **FACTOR 5: SUBCONTRACTING/SMALL BUSINESS PARTICIPATION** (Written Material Only)

PROPOSAL INSTRUCTIONS



VOLUME TWO: BUSINESS/PRICE/OFFEROR INFORMATION

Shall be in accordance with Section L of the RFP:

- Acknowledge all Amendments
 - Amendments: SF-30 – The offeror shall indicate receipt and inclusion of the amendment by completing and returning the SF-30(s)
- Pricing Format
 - CLIN 0001 Base Pier Romeo Facility Design and Preconstruction Services, Demolition, and Sea Wall Construction
 - OPTIONAL CLIN 0002 - Main Floating Pier Construction
 - OPTIONAL CLIN 0003 - Main Site Civil & Utilities
 - OPTIONAL CLIN 0004 - Warehouse Construction
 - OPTIONAL CLIN 0005 - Small Vessel Floating Dock Construction:
 - OPTIONAL CLIN 0006 - Living Shoreline Construction:
- Section K Representations and Certifications (Can be obtained from SAM.gov)
- Company Financial Statement
- Evidence of Bonding Capability
(See FAR 28.204-1 through 28.204-3 for a list of securities instead of a corporate or individual surety for the bond).
- Joint Venture Agreement/Signed Statement of JV Intent & Description of Partnership (if applicable)

PROPOSAL DUE DATE AND DELIVERY INSTRUCTIONS



Proposal Due Date

- Questions must be submitted NLT **February 24, 2023 (12:00 PM Eastern Standard Time)**. Questions submitted after the deadline will not be addressed.
- Your Proposal is Due **March 16, 2023 (12:00 PM Eastern Standard Time) (valid for 180 calendar days)**
- Oral Presentations will be scheduled during the week of **Monday, April 3, 2023 - Friday, April 7, 2023**.
- Proposal must be signed by an Officer of your company
- All amendments must be acknowledged
- Only an Electronic Proposal will be accepted

Delivery Instructions

- Provide an electronic copy of both Volume I and Volume II via email to Ronette C. McBean-Felder at ronette.mcbean-felder@noaa.gov and Diana Pickel at diana.pickel@noaa.gov

**Please Review Section L of the RFP for a complete listing of requirements for the Proposal Submittal.

PERIOD OF PERFORMANCE



Period of Performance

- The Period of Performance for this requirement is **821 Calendar Days** after the issuance of the **Notice to Proceed**

LIQUIDATED DAMAGES



Liquidated Damages

- Liquidated Damages in the amount of **\$7,617.41 per day** will be assessed from the substantial completion date indicated in the contract to the date that substantial completion is actually achieved by the Contractor, as determined by the Contracting Officer.

EVALUATION OF OFFERORS HIGHLIGHTS



The Government will evaluate the information contained in Volume Two entitled "Business/Price/Offeror Information". Price proposals will be evaluated for price reasonableness based on the total price proposed for performance of the project as specified in Section B of this solicitation. Analysis shall be performed in accordance with Federal Acquisition Regulation 15.305(a)(1) and as described at 15.404-1(b).

The Government anticipates the award of a single contract as a result of this solicitation to the responsible Offeror whose proposal conforms to the requirements of the solicitation and is determined to be the best value to the Government. In determining the best value, the evaluation factors are listed in descending order of importance, as follows: 1) Safety and Quality Control Program/Plan, 2) Corporate Experience, 3) Technical Approach and Risk, 4) Past Performance and 5) Subcontracting/Small Business Participation. Contractor Safety and Quality Control Program/Plan is more important than Corporate Experience, which is more important than Technical Approach and Risk, which is more important than Past Performance, which is more important than Subcontracting/Small Business Participation, which is more important than Price. All evaluation factors other than cost or price, when combined, are significantly more important than cost or price.

Offerors receiving a Marginal rating for Factor 1 (Safety and Quality Control Program/Plan) or an Unsatisfactory rating for any of the other three non-price factors identified above shall not be considered for award.

The five (5) non-price factors play a dominant role in the basis for award; however, an Offeror whose proposed prices are determined not to be fair and reasonable will not be awarded a contract regardless of the Government's evaluation of the non-price factors of the Offeror's proposal.

The Contracting Officer may award a contract on the basis of initial proposals received, without discussions or any opportunity to make a further submission. Therefore, each initial offer should contain the Offeror's best terms from a price and technical standpoint.

TYPICAL PROPOSAL SHORTFALLS



- Proposal Instructions not followed
 - Information not provided as requested
- Statements in the proposal are not well supported
- Proposals are not well organized
 - Does not follow Proposal Instructions structure and makes the evaluator hunt for the information
- Experience POCs are not current
- Deficiencies -preclude award
 - Proposal is non-compliant to the requirements
- Not acknowledging published amendments
- Not signing Proposal

HELPFUL WEBSITES



- SAM.Gov: <https://sam.gov/content/home>
 - Solicitation and attachments
 - Wage Determinations
- Federal Acquisition Regulation (FAR):
<https://www.acquisition.gov/browse/index/far>
- Commerce Acquisition Regulations (CAR):
<https://www.acquisition.gov/car>
- U.S. Department Of The Treasury – List of Certified Sureties:
<https://www.fiscal.treasury.gov/surety-bonds/list-certified-companies.html>

QUESTIONS



TECHNICAL INFORMATION





NOAA PROJECT OVERVIEW / STATEMENT OF WORK

Timothy Calohan – Project Manager / COR

Background and Overview by OCAO / FEO

- PROVIDE A STATE-OF-THE-ART FLOATING PIER WITH SITE IMPROVEMENTS AND A NEW WAREHOUSE TO MEET THE NEEDS AND REQUIREMENTS OF NOAA.
- THE NEW FLOATING PIER AND ANCILLARY FACILITIES WILL ACCOMMODATE THE STAFF AND EQUIPMENT TO MEET THE ONGOING NEEDS OF NOAA. THIS PROJECT WILL ALLOW NOAA SHIPS TO HAVE ACCESS TO UTILITY SERVICES AT THE NEW FLOATING PIER, WHICH WILL INCLUDE AN ADEQUATE FLOW OF POTABLE WATER, BLACK AND GRAY WATER REMOVAL, ELECTRICAL SERVICES, AND NETWORK SERVICE CONNECTIONS.
- THE PROJECT WILL ALSO INCLUDE A SEAWALL SYSTEM TO PROTECT THE FACILITY FROM STORMS AND FUTURE SLR. THE SYSTEM WILL ACCOMMODATE THE CURRENT REQUIREMENTS OF NOAA SHIPS EQUIVALENT TO THE *RONALD H. BROWN* SPECIFICATIONS.



NOAA PROJECT OVERVIEW / STATEMENT OF WORK

- THE PROJECT WILL INCLUDE THE FOLLOWING:

- FLOATING PIER
- GANGWAY TO FLOATING PIER
- TRESTLE
- CONCRETE RAMP
- SEAWALL
- WAREHOUSE
- REVISED PARKING
- SITE DRAINAGE
- SITE UTILITIES
- SITE LIGHTING
- PIER UTILITIES
- PIER LIGHTING

OPTIONAL ITEMS:

- SMALL BOAT DOCK
- LIVING SHORELINE
- JIB CRANE
- EXECUTIVE ORDER – ENERGY CONSIDERATIONS

COVER SHEET AND INDEX TO DRAWINGS



UNITED STATES DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION (NOAA)
 OFFICE OF MARINE AND AVIATION OPERATIONS (OMAO)
 SOUTHEAST MARINE OPERATIONS HUB PROJECT
 FINAL CONCEPT DRAWINGS



Project No. 21240-D

JUNE 15, 2022
 CONTRACT NO: 1305M421DNAAJ0007
 TASK ORDER NO: 1305M422FNAAJ0005



VICINITY MAP



PROJECT LOCATION MAP

BUILDING INFORMATION

PROJECT ADDRESS
 UNITED STATES DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
 OMAO SOUTHEAST MARINE OPERATIONS HUB PROJECT
 226 S. HOBSON AVE.
 NORTH CHARLESTON, SC 29405

BUILDING CODES
 INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 2018 SOUTH CAROLINA ICC CODES
 (INCLUDING ALL NOT LHM 19 TO INTERNATIONAL BUILDING CODES (INTERNATIONAL CODES, FIRE CODES))
 2018 NFPA 101
 2018 NFPA 70
 2017 NFPA 70E NATIONAL ELECTRICAL CODE
 2018 ASHRAE 90.1
 2018 ASHRAE 154

TYPICAL ABBREVIATIONS

APF ABOVE FINISHED FLOOR
 C/FD CONTRACTOR FINISHED CONTRACTOR INSTALLED
 EL ELEVATION
 FE FIRE EXTINGUISHER
 NC NOT IN CONTRACT
 V/U VERIFY ON JOB
 CM CONTRACT MANAGER
 SQF SQUARE FOOT

DRAWING NOMENCLATURE

LEGEND
 A - # # #
 DISCIPLINE DESIGNATOR
 D - GENERAL
 E - CIVIL
 A - ARCHITECTURAL

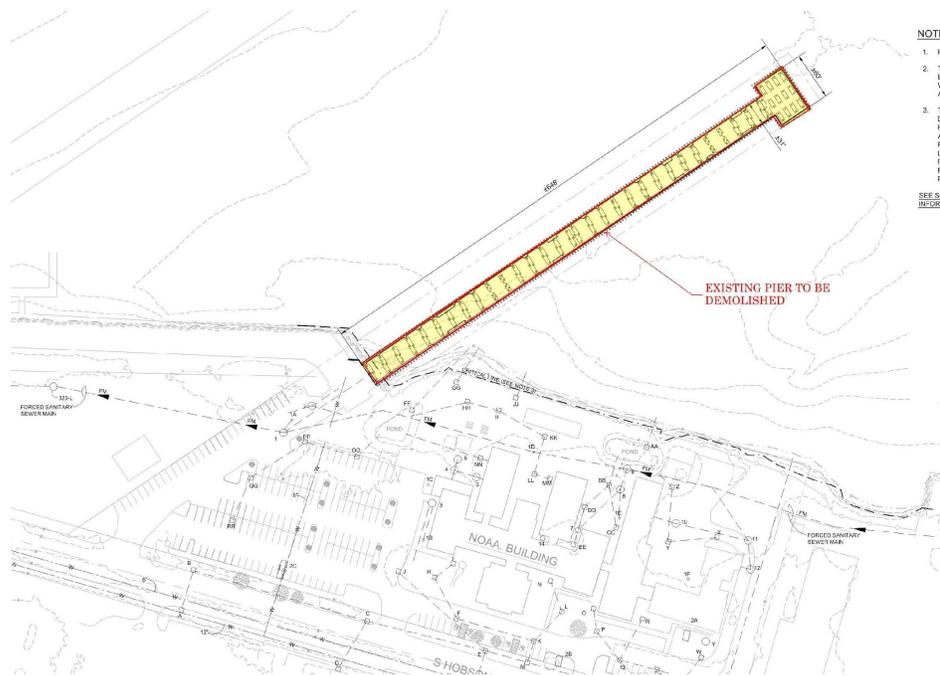
GENERAL NOTES

- THE DRAWINGS AND DOCUMENTS INCLUDED ARE CONCEPT DOCUMENTS FOR USE ONLY. THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, PROCUREMENT, CONTRACTS, SALES OR A BASIS OF BIDDERS/PROPOSALS.
- ALL WORK PERFORMED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES FROM LOCAL, STATE & FEDERAL AGENCIES. ALL WORK INCLUDES CONFORMING LOCAL MATERIALS, EQUIPMENT, TOOLS, SUPPLY, INSTALLATION, START-UP SERVICES & APPROPRIATE PERMITS FOR THE PROJECT.
- INSTALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS. VERIFY THE SIZES FOR LOADS FROM ALL APPLICABLE STRUTTING SHALL BE COMPLY WITH.
- CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONCEPT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE GOVERNMENT PRIOR TO WORKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL RELATED DESIGN DOCUMENTS AS THEY APPEAR. COORDINATION OF THE CONTRACTOR SHALL EXAMINE DRAWINGS AND SPECIFICATIONS OF ALL TRADES, NOTIFY DISCREPANCIES TO GOVERNMENT PRIOR.
- DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. GOVT/PACOR WITH ANY CONTRACTS FOR RESOLUTION.
- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH GOVERNING APPLICABLE LOCAL, STATE & FEDERAL CODES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MARKERS, SIGNAGE, REFLECTORS, LIGHTS, ETC. DURING CONSTRUCTION. PROPERLY IDENTIFY AND FLAG TO THE PUBLIC. NOTIFY AND COORDINATE WITH GOVERNMENT PRIOR.
- THE CONTRACTOR SHALL KEEP THE WORK AREA CLEAR AND CLEAN. ANY DISPOSAL OF CONSTRUCTION DEBRIS OR MATERIALS SHALL MEET APPLICABLE GOVERNMENT CODES/REGULATIONS.
- THE CONTRACTOR SHALL LOCATE ALL EXISTING SERVICES & UTILITIES WITHIN AND ADJACENT TO THE CONSTRUCTION AREA (WHERE APPLICABLE) PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- ALL CONDITIONS AND DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED BY THE EXISTING BUILDING. PERMITS, SIGNATURE, AND SEALS ON EXISTING DRAWINGS. UPON COMPLETION OF DECK LAYOUT, ALL CONDITIONS AND DIMENSIONS ARE TO BE CHECKED FOR CHANGE. ANY UNEXPECTED EXISTING CONDITIONS WHICH MAY CONFLICT WITH THE PROPOSED WORK SHALL BE NOTIFIED TO THE DESIGNER FOR REVIEW AND REMEDIATION. SHALL BE IDENTIFIED AND REPORTED TO THE GOVERNMENT (E.G. OSHA) IMMEDIATELY AT ONCE.
- THE USE OF MANUFACTURER NAMES OR PROPRIETARY PRODUCT NAMES SHALL NOT BE CONTINGENT TO VERIFY THAT THE NAMED PRODUCT MAY BE SUBJECT TO THE DISCUSSION OF EQUIVALENT PRODUCTS BY OTHER MANUFACTURERS. EQUIVALENT PRODUCTS SHALL BE APPROVED PRODUCTS THAT HAVE BEEN APPROVED BY THE GOVERNMENT THROUGH THE DESIGN PROCESS. NONE HAVE BEEN DETERMINED TO MEET THE QUALITY, FUNCTION, DIMENSION, APPEARANCE, IN SERVICE PERFORMANCE AND PHYSICAL PROPERTIES THAT ARE EQUAL TO OR EXCEED THAT OF THE SPECIFIED PRODUCT.

INDEX TO DRAWINGS

SHT NO.	DESCRIPTION
0-001	COVER SHEET & INDEX TO DRAWINGS
C-100	EXISTING CONDITIONS PLAN
C-101	EXISTING UTILITY STRUCTURE DATA
C-102	DEMOLITION PLAN
C-110	OVERALL SITE PLAN
C-111	PARKING AREA PAVING & STRIPING CONCEPT PLAN
C-112	SITE UTILITIES PLAN
C-113	PERM AND DRAINAGE LAYOUT
C-114	FIRE ELEVATIONS
C-115	SECTION ELEVATION SECTIONS
A-100	WAREHOUSE BUILDING - FLOOR PLANS
A-101	WAREHOUSE BUILDING - ELEVATIONS

EXISTING CONDITIONS PLAN

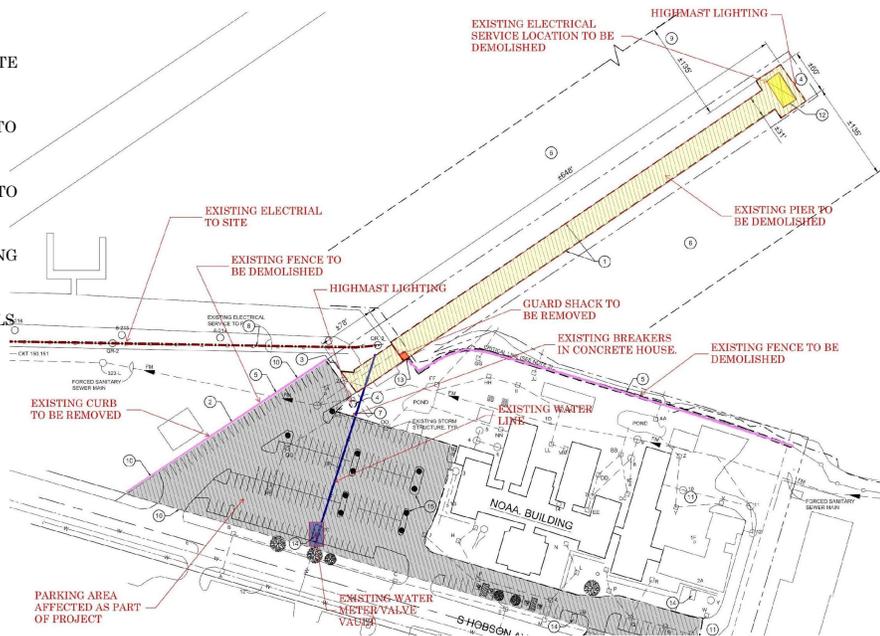


- NOTES:**
1. FIELD VERIFY DIMENSIONS.
 2. THESE DRAWINGS ARE SUBJECT TO CHG BASED UPON INFORMATION PROVIDED WITHIN THE DRAFT ENVIRONMENTAL ASSESSMENT REPORT.
 3. THE CRITICAL LINE LOCATION SHOWN DRAWING HAS PROVIDED BY OTHERS. REPRESENT THE CRITICAL LINE APPROXIMATE LOCATION. THE GRAPHIC REPRESENTATION OF CRITICAL LINE LOCATION ON DRAWINGS IS PROVIDED FOR REFERENCE ONLY AND SHOULD NOT BE RELIED ON FOR ANY FUTURE DESIGN, PERMITTING, OR CONSTRUCTION.
- SEE SHEET C-10 FOR UTILITY STRUCTURE INFORMATION

N

DEMOLITION PLAN

- EXISTING FENCE AND FENCE STRUCTURES.
- EXISTING ELECTRICAL SERVICE TO THE SITE FROM PIER NOVEMBER/PIER PAPA LOCATION.
- ASPHALT FOR THE EXISTING PARKING TO FACILITATE NEW ASPHALT TOPPING.
- STORM DRAINAGE AS REQUIRED TO ACCOMMODATE NEW WAREHOUSE BUILDING.
- TEST AND REMOVE BARRELS OF DRILLING SPOILS GENERATED ON SITE.
- PLAN FOR HAZMAT REMOVAL OF MATERIALS GENERATED ON SITE.



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 - THE CRITICAL LINE LOCATION REPRESENTS THE CRITICAL LINE LOCATION. THE GRADE OF CRITICAL LINE LOC PROVIDED FOR REFERENCE NOT BE HELD ON PERMITTING OR CON
- DEMOLITION KEY:**
- EXISTING PIER STRUCTURE TO BE REMOVED AND DISPOSED. PIER SHALL BE REMOVED PER DEMOLITION REPORT. R AND IMPROVEMENTS CONNECTIONS LOCATED
 - DEMOLISH, REMOVE AND DISPOSE OF CONCRETE CURB AND LANDSCAPING PLANTS SYSTEM WITHIN THE P. ACCOMMODATE NEW PROPOSED WAREHOUSE
 - EXISTING SIGN TO BE REMOVED
 - REMOVE HIGH MAST LIGHTING
 - DEMOLISH EXISTING FENCE
 - EXISTING ELECTRICAL CONCRETE STRUCTURES ACTIVE AND CURRENT OR SITE. REPLACE AND RE-INSTALL FOLLOWING ELECTRICAL CONNECTIONS
 - REMOVE EXISTING ELECTRICAL CONNECTIONS TO EXISTING CHANNEL
 - CONTRACTOR SHALL PROVIDE TEMPORARY PERIMETER SECURITY AT ALL TIMES TO ENSURE PROTECTION OF CONSTRUCTION OF PERIMETER
 - NOAA REQUIRES CONTAINMENT AND FROM SHIPPING AREA
 - REMOVE AND DISPOSE EXISTING ELECTRICAL EQUIPMENT AND ASSOCIATED TO THE SOURCE
 - REMOVE AND DISPOSE EXISTING PIER GUARD ELECTRICAL CONDUITS
 - EXISTING WATER METER DRAINAGE TO BE REMOVED DURING DEMOLITION AT ALL TIMES
 - PROTECT IN PLACE EXISTING UTILITIES



EXISTING UTILITY STRUCTURE DATA



SANITARY SEWER STRUCTURE DATA

ID	Utility	Structure			Pipe			Notes
		Dia (in)	Material	Depth (ft)	Depth to Standing Water (ft)	Dia (in)	Invert (ft. Below Rim)	
1	Sanitary	48	Conc	5.56	6.03	8	2.51 E	PVC
						8	4.51 E	Clay
						12	4.83 SW	Clay
						12	4.92 N	Clay
1A	Valve Box	0		1.72				
1B	Valve Box	0		0.5				Depth of structure is to Top of Nut
1C	Valve Box	0		0.38				Depth of structure is to Top of Nut
1D	Valve Box	0		N/A				Depth of structure is to Top of Nut
3	Sanitary	48	Conc	6.17		8	3.41 S	Clay
						8	4.23 S	Clay
						8	4.10 N	Clay
						8	4.91 E	Clay
						8	4.16 S	Clay
5	Sanitary	48	Conc	4.57	4.17			Structure appears to be abandoned
6	San. I.S.	48	Conc	6.57	6.03			No pipes visible
7	Sanitary	48	Conc & Brick	4.44				All pipes are capped
8	Sanitary	48	Conc	4.75	3.72	8	4.05 NE	
						8	4.55 SW	
9	Sanitary	48	Conc	3.54	2.50	8	4.52 SW	
10	Sanitary	48	Conc	3.72	2.04	8	3.71 E	
						8	4.72 W	
11	Sanitary	48	Conc	4.32	2.12	8	4.32 NW	
						8	4.32 SW	
12	Sanitary	48	Conc	6.54	4.54	8	5.02 W	
13	Sanitary	48	Conc	7.80	6.94			No pipes visible

WATER UTILITY STRUCTURE DATA

ID	Utility	Structure		Pipe		Notes
		Dimensions	Material	Depth (ft)	Depth to top of Pipe (ft.)	
26	Water Vault	3' x 3'	Conc	4.45		Depth is to top of exterior of pipe cover tested shut. No Access
28	Water Vault	3' x 4'	Conc	5.81	3.33	Depth is to top of valve out. Pipe not visible
29	Water Vault	3' x 3'	Conc	5.81	3.33	Depth is to top of valve out. Pipe not visible

MISC / UNKNOWN UTILITY STRUCTURE DATA

ID	Utility	Structure			Pipe			Notes
		Dimensions	Material	Depth (ft)	Depth to Standing Water (ft)	Dia (in)	Invert (ft. Below Rim)	
2	Telephone	6' x 8'	Conc	7.42	4.93	4	1	Unable to measure to pipe insert. Unable to measure to pipe insert. Unable to measure to pipe insert.
14	Unknown	48	Conc	4.70		4	2.41 S	Clay
						4	4.95 SE	Clay
						8	5.70 E	Clay

STORM SEWER STRUCTURE DATA

ID	Utility	Structure			Pipe			Notes
		Dimensions	Material	Depth (ft)	Depth to Standing Water (ft)	Dia (in)	Invert (ft. Below Rim)	
A	Storm	3' x 4'	Conc & Brick	2.31		10	2.31 N	CMFP
B	Storm	3' x 4'	Conc & Brick	2.99		10	2.35 S	CMFP
						12	2.99 E	CMFP
C	Storm	3' x 4'	Conc & Brick	3.70		12	3.45 W	CMFP
						12	3.70 E	CMFP
						12	2.70 S	CMFP
D	Storm	3' x 4'	Conc & Brick	2.5		12	2.70 N	CMFP
E	Storm	3' x 4'	Conc & Brick	4.51		12	4.11 W	CMFP
						15	4.41 NW	RCP
						8	4.89 NE	Clay
						15	4.91 E	RCP
						12	1.95 S	CMFP
F	Storm	2' x 3'	Conc	3.89		12	2.53 NW	RCP
G	Storm	3' x 4'	Conc & Brick	2.75		12	2.74 N	CMFP
H	Storm	2' x 3'	Conc	3.17		12	2.12 SE	RCP
I	Storm	3' x 3'	Conc	3.18		12	2.02 NE	RCP
J	Storm	3' x 3'	Conc	3.18		12	2.16 SW	RCP
K	Storm	2' x 2'	Conc	2.28		15	2.26 SE	RCP

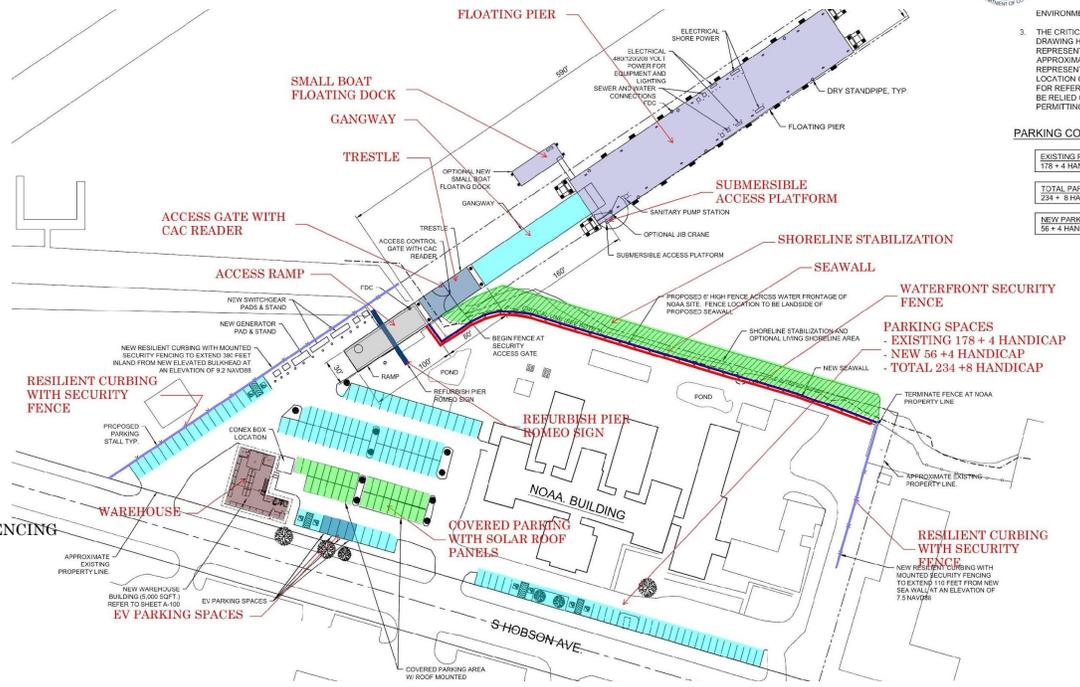
STORM SEWER STRUCTURE DATA

K	Storm	2' x 3'	Conc	3.52		12	3.46 W	RCP
						15	3.52 S	RCP
						12	3.39 NE	RCP
L	Storm	2' x 3'	Conc	3.55		12	2.95 SW	RCP
						10	3.12 SE	PVC
						15	3.59 W	RCP
M	Storm	3' x 3'	Conc	5.11		15	4.95 N	RCP
						15	5.11 E	CMFP
N	Storm	4' x 4'	Conc	2.90		10	2.93 SE	PVC
O	Storm	3' x 2.5'	Conc	2.15		12	2.13 E	RCP
P	Storm	3.5' x 3.5'	Conc	2.60		12	2.50 NW	RCP
						12	2.60 N	RCP
Q	Storm	3.5' x 3.5'	Conc	2.48		12	2.43 NW	RCP
						12	2.38 NE	RCP
						12	2.45 E	RCP
R	Storm	3.5' x 3.5'	Conc	2.47		12	2.47 SW	RCP
S	Storm	3.5' x 3.5'	Conc	2.91		12	2.74 W	RCP
						18	2.90 S	RCP
						10	2.90 E	PVC
T	Storm	4' x 4'	Conc	5.60		18	5.21 N	RCP
						15	5.60 E	CMFP
						12	2.58 S	CMFP
						15	5.45 W	CMFP
U	Storm	3' x 4'	Conc	2.35		10	2.32 W	PVC
V	Storm	3' x 3'	Conc	2.22		10	2.22 W	PVC
						10	2.02 NE	PVC
W	Storm	3' Dia	Conc	1.53		10	1.51 SW	PVC
X	Storm	2' x 2'	Conc	1.98		12	1.98 W	RCP
Y	Storm	3' x 3'	Conc	2.4		12	2.01 E	RCP
Z	Storm	3.5' x 3.5'	Conc	3.85		15	3.05 NW	RCP
AA	Storm	3.5' x 3.5'	Conc	1.93		12	1.88 N	RCP
BB	Storm	2' x 2'	Conc	2.32		12	2.32 NE	RCP
						10	2.46 SW	RCP
						12	2.12 SE	RCP
CC	Storm	3' x 3'	Conc	2.73		12	2.73 NW	RCP
DD	Storm	2' x 2'	Conc	1.85		10	1.85 NE	RCP
						10	1.70 S	RCP
EE	Storm	2' x 2'	Conc	1.45		10	1.45 NE	RCP
FF	Storm	3.5' x 3.5'	Conc	2.28		6	2.19 W	RCP
GG	Storm	2.5' x 2'	Conc	1.9		12	2.25 NE	RCP
HH	Storm	4' x 4'	Conc	2.55		15	1.95 NW	RCP
						15	2.45 E	RCP
II	Storm	3' x 3'	Conc	1.95		15	1.95 W	RCP
						15	1.91 E	RCP
JJ	Storm	3' x 3'	Conc	4.29		12	4.29 N	RCP
KK	Storm	5' x 5'	Conc	2.19		15	2.19 W	RCP
						15	1.98 S	RCP
LL	Storm	3.5' x 3.5'	Conc	2.35		15	2.35 N	RCP
MM	Storm	3.5' x 2.5'	Conc	2.54		15	2.54 W	RCP
						15	2.31 E	RCP
NN	Storm	3' x 3'	Conc	2.69		18	2.69 NW	RCP
						15	2.47 SE	RCP
OO	Storm	3' x 4'	Conc	2.87		18	2.87 N	RCP
						15	2.79 E	RCP
PP	Storm	3' x 3.5'	Conc	3.00		15	2.57 E	RCP
						15	2.68 S	RCP
QQ	Storm	3' x 3.5'	Conc	2.91		15	2.74 N	RCP
						15	2.75 SW	RCP
RR	Storm	3' x 3'	Conc	3.07		15	2.96 NE	RCP

OVERALL SITE PLAN



- FLOATING PIER
- SMALL BOAT FLOATING DOCK
- SUBMERSIBLE ACCESS PLATFORM
- GANGWAY
- TRESTLE
- RAMP
- WAREHOUSE BUILDING
- PARKING AREA
- COVERED PARKING AREA
- SEAWALL
- FENCE
- MAIN GATE FOR PIER
- RESILIENT CURBING WITH SECURITY FENCING
- NEW SEAWALL
- WATERFRONT FENCE
- SHORELINE STABILIZATION



ENVIRONMENT
 3. THE CRITIC
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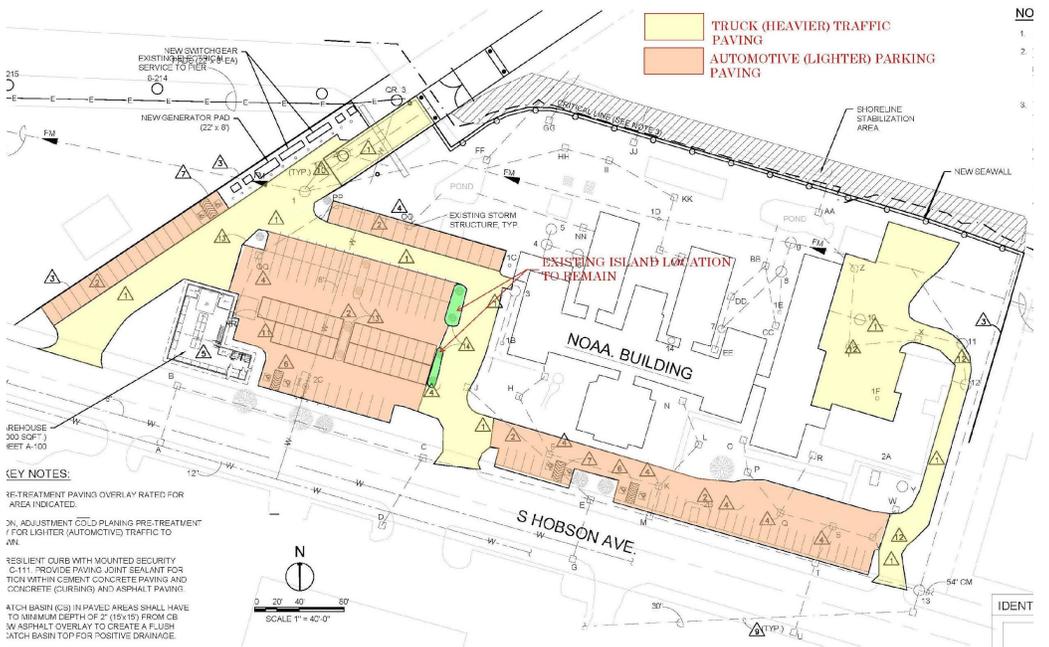
PARKING CO

EXISTING P	178 + 4 HAND
TOTAL PAR	234 + 8 HAND
NEW PARK	56 + 4 HAND

PARKING AREA PAVING AND STRIPING CONCEPT PLAN



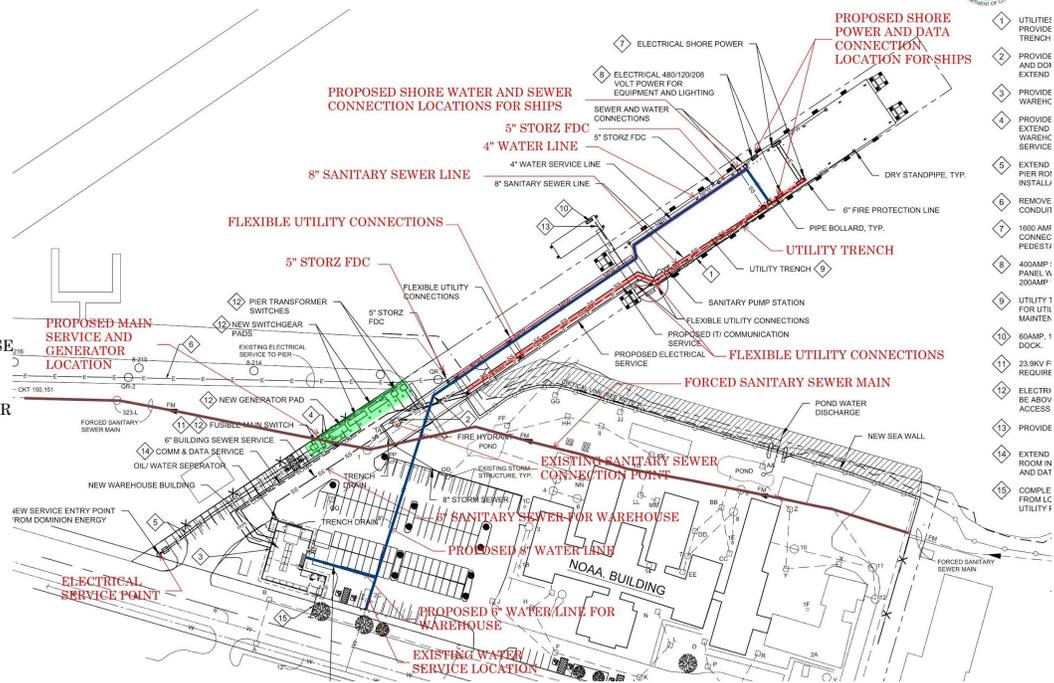
- EXISTING PARKING LOT WILL BE RECONSTRUCTED TO MAXIMIZE THE NUMBER OF PARKING SPACES AND ALLOW THE CONSTRUCTION OF A 5,000-SQUARE-FOOT WAREHOUSE, WITH TRUCK ACCESS.
- ONE DRIVE ACCESS FROM S. HOBSON AVENUE WILL BE CLOSED OFF TO PROVIDE ADDITIONAL PARKING STALLS.
- THE EXISTING CURB AND GUTTER AND LANDSCAPING TO BE REMOVED.
- NEW ISLANDS AND LANDSCAPING TO BE PROVIDED.
- HIGH CURBS SHALL REQUIRE A FOUNDATION SIMILAR TO THE RETAINING WALL DESIGNED FOR WAVE LOADING.
- ELEVATIONS OF THE EXISTING SIDEWALK AND DOOR STOOPS ARE TO REMAIN AT EXISTING GRADE.
- PARKING WILL BE RESURFACED AND RESTRIPEDED.
- EXISTING ISLAND LOCATIONS TO REMAIN.



SITE UTILITIES PLAN



- DOMINION ELECTRICAL SERVICE POINT.
- FUSIBLE MAIN ELECTRICAL SWITCHES.
- EMERGENCY GENERATOR.
- AUTOMATIC TRANSFER SWITCHES.
- ELECTRICAL DISTRIBUTION SYSTEM.
- SHORE POWER FOR VESSELS.
- AUTOMATIC TRANSFER SWITCHES.
- COMMUNICATION SYSTEMS TO WAREHOUSE AND PIER.
- WATER AND SANITARY SEWER FOR WAREHOUSE.



- 1 UTILITY TRENCH
- 2 PROVIDE AND DOB
- 3 EXTEND WAREHC
- 4 PROVIDE EXTEND WAREHC SERVICE
- 5 EXTEND PIER RIB INSTALL
- 6 REMOVE CONDUIT
- 7 1600 AMP CORNER PEDESTAL
- 8 400AMP PANEL VA 200AMP
- 9 UTILITY 1 FOR UTIL MANHTS
- 10 60AMP 1 DOCK
- 11 23.8KV REQUIRE
- 12 ELECTRIC ASOP ACCESS
- 13 PROVIDE
- 14 EXTEND ROOM IN AND DAT
- 15 COMPLETE FROM LC UTILITY 1

PIER AND SEAWALL LAYOUT



- THE FLOATING PIER SHALL BE A RIGID SYSTEM.
- THE FLOATING PIER IS ALIGNED WITH THE EXISTING PIER ROMEO.
- THE FLOATING PIER SHALL BE REMOVABLE FOR SERVICING IF NEEDED.
- THE FLOATING PIER SHALL HAVE 4 FEET OF FREEBOARD.
- SEAWALL ON SHEET PILE – 9.2 NAVD88
- FLOATING PIER – 62FT X 360FT
- RAMP TO TRESTLE – 30FT X 100 FT
- TRESTLE – 30FT X 80FT
- GANGWAY – 30FT X 160FT
- SMALL VESSEL FLOATING DOCK – 60FT X 20FT
- 4FT X 12FT PLATFORM
- PEDESTRIAN – 5FT X 24FT

APPROXIMATELY 300FT CURB WALL TO PREVENT SITE FLOODING.
 1" WALL ELEV = +9.2 NAVD88
 1ST IN-PLACE SCOOT TYPICAL CANTILEVER CONCRETE RAMP WALL.

100FT RAMP TO TRESTLE FROM +6.5 NAVD88 TO +14.5 NAVD88 (P) RETAIN RAMP SOIL WITH STEEL SHEET PILE WALL ASTM A252-80 OR EQUIVALENT WITH 2FT X 2FT CONCRETE CAP AND 3S.
 FILLED WITH QUARRY RUN ENGINEERED FILL/CONCRETE ENT.

STEEL SHEET PILE = 2.5 NAVD88
 SHEET PILE RETAINING UP TO 4FT OF SOIL SHALL BE EVER WALL.
 SHEET PILE RETAINING MORE THAN 4FT OF SOIL UP TO 8.5FT BE HAVE TIE BACK SYSTEM AT 3FT BELOW TOP OF WALL.

10FT STEEL TRUSS TRESTLE USING W-SECTIONS. SEE MEMBER 3N DRAWINGS.
 HEIGHT = 18FT
 EL GRATED DECK (4" X 1/4" WITH 5FT SPAN) RATED FOR HS-20 JLR TRAFFIC.

DIA ASTM (5/8" THICK) A252 GRADE 50 STEEL PIPE PILE WITH 6FT CONCRETE PILE CAP
 TP TOP ELEV = +13.0 NAVD88
 P ELEV = -100.0 NAVD88
 1NG GROUND ELEV = -5.0 NAVD88

DIA (1/2" THICK) ASTM A252 GRADE 50 STEEL PIPE PILE WITH 5FT CONCRETE PILE CAP
 TP TOP ELEV = +13.0 NAVD88
 P ELEV = -80.0 NAVD88
 1NG GROUND ELEV = -5.0 NAVD88

160FT STEEL TRUSS GANGWAY USING W-SECTIONS.
 HEIGHT = 18FT
 EL GRATED DECK (4" X 1/4" WITH 5FT SPAN) RATED FOR HS-20 JLR TRAFFIC
 1% SLOPE AT LOWEST TIDE

20FT SMALL VESSEL FLOATING DOCK RETE DOCK WITH 2FT FREEBOARD

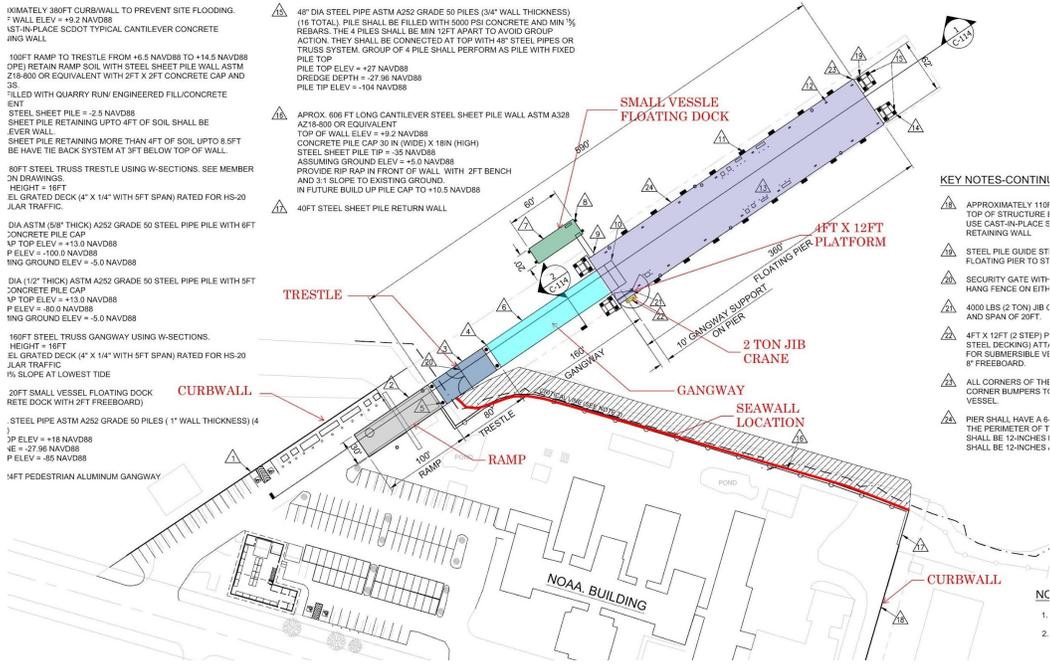
STEEL PIPE ASTM A252 GRADE 50 PILES (1" WALL THICKNESS) (4)
 3P ELEV = +18 NAVD88
 4E = -27.96 NAVD88
 P ELEV = -85 NAVD88

1/4FT PEDESTRIAN ALUMINUM GANGWAY

48" DIA STEEL PIPE ASTM A252 GRADE 50 PILES (3/4" WALL THICKNESS) (16 TOTAL). PILE SHALL BE FILLED WITH 5000 PSI CONCRETE AND MIN 1/4" REBARS. THE 4 PILES SHALL BE MIN 12FT APART TO AVOID GROUP ACTION. THEY SHALL BE CONNECTED AT TOP WITH 48" STEEL PIPES OR TRUSS SYSTEM. GROUP OF 4 PILE SHALL PERFORM AS PILE WITH FIXED PILE TOP
 PILE TOP ELEV = +27 NAVD88
 DREDGE DEPTH = -27.96 NAVD88
 PILE TIP ELEV = +104 NAVD88

APPROX 600 FT LONG CANTILEVER STEEL SHEET PILE WALL ASTM A252 A218-80 OR EQUIVALENT
 TOP OF WALL ELEV = +9.2 NAVD88
 CONCRETE PILE CAP 30 IN (WIDE) X 18IN (HIGH)
 STEEL SHEET PILE TP = -35 NAVD88
 ASSUMING GROUND ELEV = +5.0 NAVD88
 PROVIDE 100' RAP IN FRONT OF WALL WITH 2FT BENCH AND 3:1 SLOPE TO EXISTING GROUND.
 IN FUTURE BUILD UP PILE CAP TO +10.5 NAVD88

40FT STEEL SHEET PILE RETURN WALL

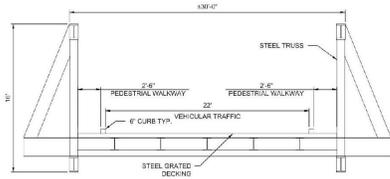
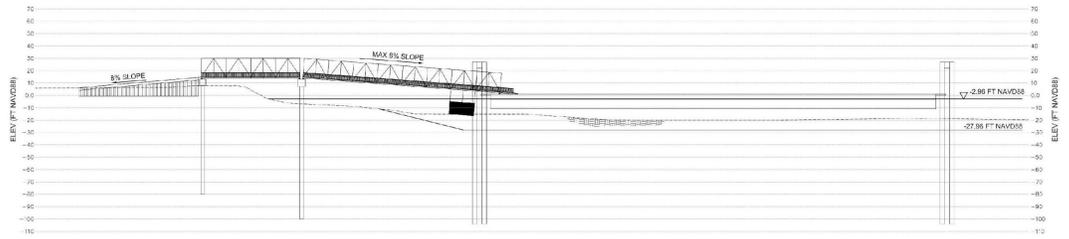
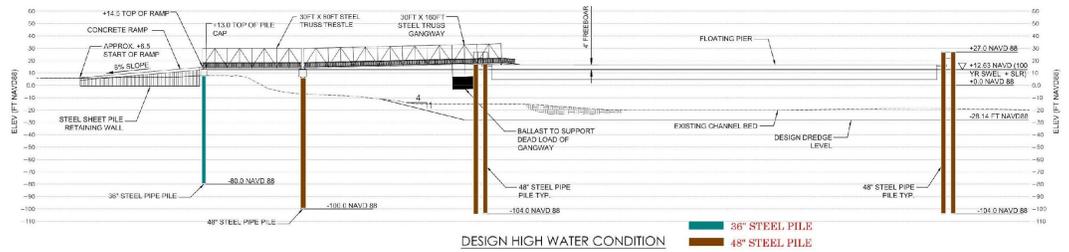


KEY NOTES-CONTINUED

- APPROXIMATELY 110' TOP OF STRUCTURE I USE CAST-IN-PLACE S RETAINING WALL
- STEEL PILE GUIDE ST FLOATING PIER TO ST
- SECURITY GATE WITH HANG FENCE ON EITH AND SPAN OF 20FT.
- 4000 LBS (2 TON) JIB C AND SPAN OF 20FT.
- 4FT X 12FT (2 STEP) P STEEL DECKING ATT FOR SUBMERSIBLE VI 8' FREEBOARD.
- ALL CORNERS OF THE CORNER BUMPERS TO VESSEL.
- PIER SHALL HAVE A 6- THE PERIMETER OF T SHALL BE 12-INCHES I SHALL BE 12-INCHES.

PIER ELEVATIONS

- PILE SIZES INDICATED ON THIS SHEET ARE AS FOLLOWS:
- 36" STEEL PIPE PILE
- 48" STEEL PIPE PILE
- SMALL VESSEL FLOATING DOCK
 - 24" STEEL PIPE PILE



DESIGN LOW WATER CONDITION

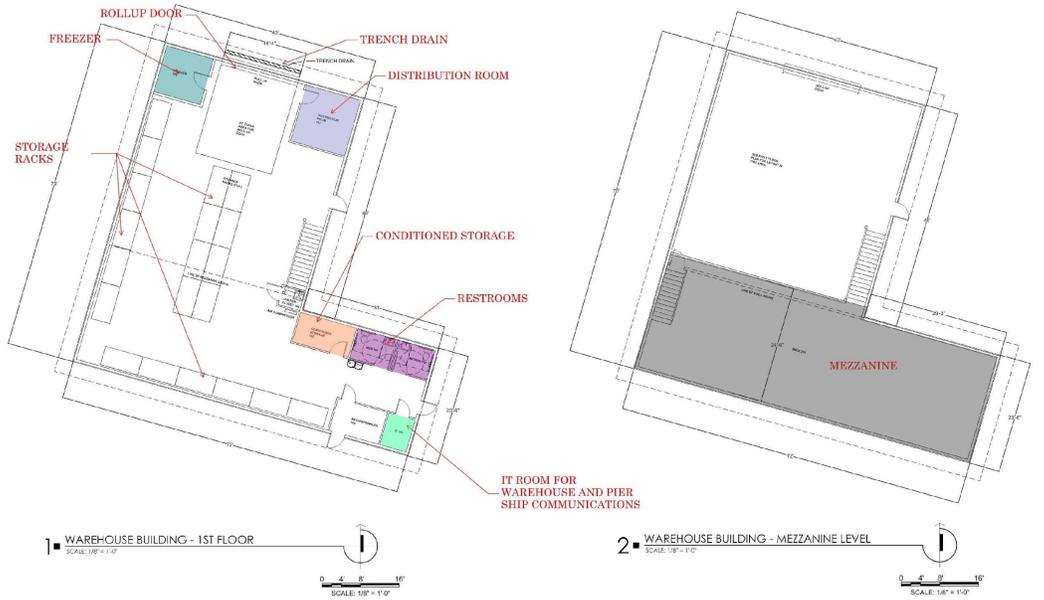
1 PIER ELEVATIONS
SCALE 1"=30'

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 3. THE CRITICAL LINE LOCATION SHOWN ON DRAWING HAS PROVIDED BY OTHERS TO REPRESENT THE CRITICAL LINE APPROXIMATE LOCATION. THE GRAPHICAL REPRESENTATION OF CRITICAL LINE LOCATION ON DRAWING IS PROVIDED FOR REFERENCE ONLY AND SHOULD NOT BE RELIED ON FOR ANY FUTURE DESIGN, PERMITTING, OR CONSTRUCTION.

WAREHOUSE BUILDING FLOOR PLANS



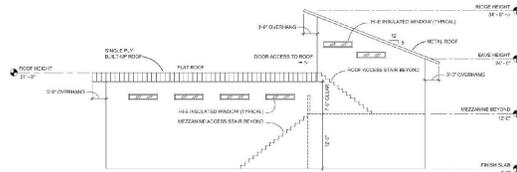
- WAREHOUSE - 5,000 SQUARE-FOOT, 2-STORY.
- CONNECT SANITARY SEWER TO EXISTING SANITARY SYSTEM THAT IS ON-SITE.
- WAREHOUSE DESIGN TO MEET SUSTAINED CATEGORY 4 WIND LOADS.
- ROLL UP DOOR TO BE 16-FOOT WIDE BY 16-FOOT-TALL ELECTRIC DOOR.
- ALL DOORS AND ENTRANCES TO BE CORROSION RESISTANT. SUCH AS ALUMINUM OF FIBERGLASS REINFORCED PLASTIC (FRP).
- STRUCTURE SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIALS OR COVERED WITH EPOXY COATING.
- TRENCH DRAIN AT ROLLUP DOOR.



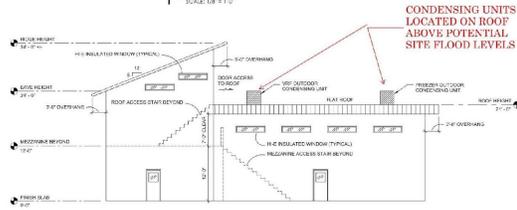
WAREHOUSE BUILDING ELEVATIONS



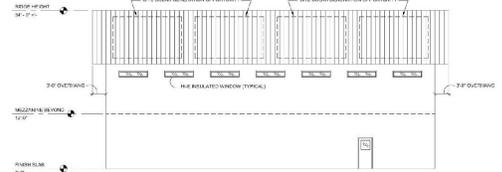
- CONDENSING UNITS LOCATED ON ROOF ABOVE POTENTIAL SITE FLOOD LEVELS
- 16 FOOT ROLL UP DOOR



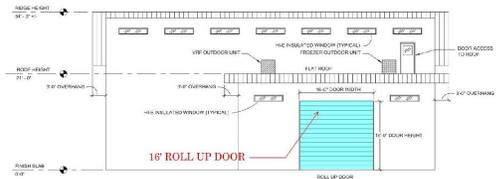
1 WAREHOUSE BUILDING - WEST ELEVATION
SCALE: 1/8" = 1'-0"



2 WAREHOUSE BUILDING - EAST ELEVATION
SCALE: 1/8" = 1'-0"



3 WAREHOUSE BUILDING - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



4 WAREHOUSE BUILDING - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



GROUND FLOOR SQUARE FOOTAGE	12,500
MEZANINE LEVEL SQUARE FOOTAGE	21,000
TOTAL SQ. FT.	33,500

NOTE:
FINAL DRAWINGS WILL BE RELEASED
WITH THE FINAL TRANSMITTAL
ASSIGNMENT APPLICATION, SUBJECT TO

QUESTIONS ON THE PRESENTATION

