

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					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> 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.				
<input type="checkbox"/>					
<input type="checkbox"/>	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).				
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not <input type="checkbox"/> 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	
(Signature of person authorized to sign)				(Signature of Contracting Officer)	

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 Conigan	Michels	pconigan@nichels.us	906.250.3208
Allen Berry	SHamill	Allen@SHamill.com	252-312-5133
Joseph Adams	SJ Hamill	Joseph@SJHamill.com	843.872.8002
Neddie Smith	Atlantic Electric	Nsmith@atlanticelectric.com	843-440-1231
Nason Potts	Atlantic Elec.	NPotts@atlanticelectrica.com	843-390-3077
Boujanir Petrus	Michels	BPeterson@Michels.us	910.274.5445
Chris Gadsen	Clavin	CHRIS@CLAVININC.COM	402-203-6210
Justin Buel	Kiewit	Justin.Buel@kiewit.com	404-867-5508
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	McLAREN	BMOODY@McMcLAREN.com	845 222 9493
ANDREA TANAN	VIBENT	ANDREA.TANAN@VIBENT.com	561 663 3460
JAMES THOMAS	S.I. HUDSON ENGS	Jthomases@the.enr	609-929-1897
William Jenkins	J.T. Hudson Engrs	wj@kaysa.com	604-576-5257 443-496-0608
Nathan Schneider	Whiting-Turner	Nathan.Schneider@whiting-turner.com	
CONOR TOURS	RUSSELL MARENE	CAMEFOR.TOURS@MARINEUS.com	504-262-7462
MAT KNIGHTS	TEPA TECH	MAT.KNIGHTS@tepatel.com	757/450/4773
NEIL ESSER	WILEY WILSON	nessler@wileywilson.com	678-320-1973
MICHAEL CORREIA	MATHEW MITCHELL	mcorreia@matthol.com	919-476 4626

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
Math Perry	Cashman Dredging	mperry@jaycashman.com	781-364-4964
Roy Givan	Manson Const	RGIVAN@MANSONCONSTRUCTION.COM	754-430-7156
Math LeRue	Manson Const.	mlarue@mansonconstruction.com	904-252-6357 904-821-0211
Sean Bryant	Manson Const.	MANSONGECMC@MANSONCONSTRUCTION.COM	
Boris Belous	Michels	bvelous@michels.us	920-238-2410
Tim Babich	Michels	tbabich@michels.us	414-238-1672
CHRIS KEENE	GET	CKEENE@GETCONSULTANTS.COM	914-623-8011
MICHAEL D'ROUKE	CHE ROMAN	MICHAELDROUKE@CHEROMANCONTRACTORS.COM	843-866-0302
GREG TUTTLE	CHE ROMAN	greg@che.romancontractors.com	843-514-9850

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
Michael Romeo	McLean Contracting	mmromo@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	rdove@mcleancontracting.com	404 990 1986
JESSE LINDSAY	WBCm	jilindsay@wbc.com	410.241.5844
THOMAS STUBBS	WBCm	thomas@wbc.com	410 382 0706
THU TRINH	JMT	trinh@jmt.com	843-779-3702
FRANK MATTHEW	JMT	frank@jmt.com	843 779-3705
LIU WENGAO	Scholar	liuw@scholar-eng.com	803-240-3587

Sign In Sheet Page _____ of _____

Please return to Ronette McBean-Feldt@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
Toua Mayberry	K-Con	tmayberry@kconinc.com	205-790-6573
Brندن Wall	K-Con	wallbrandon1988@kconinc.com	704-352-1383
Ben West	Freight	ben.west@freightall.com	803 507 6488
ZAC CARTER	MAINSTREAM	ZCARTER@MAINSTREAMDIVER.COM	843-709-1328
Larice Hermon	Miami Wilco	lhermon@mw.com	214-754-6187
Daniel Mosy	ACEs	dmosy@acesfund.com	843 697 2853
Harry Finsen	Neelon Elec.	hfinse@neelelect.com	843-554-5621
Ralph Peteret	WSP	RALPH.PETERET@WSP.COM	843-460-3258
Brian Cooper	CUDI	Brian@CUDI.COM	781-454-6976

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
MARK BILL	ORION	MBILL@ORIONMARINEGROUP.COM	205 796 7083
Scott Hicks	ORION	SHICKS@ORION.NET	813 449 1352
Tinkenny	W-Int	thenny@windward.net	941-302-6875
Amel Park	W Internod	amel@windward.net	843-329-3623
Kerr Pearson	Callan marine	Kpearson@callanmarine.com	281-309-6117
Therstein	Michels	therstein@nichels.us	541 360 9264
Shawn Stocker	Michels	stocker@nichels.us	414-339-1099
Joe Lane	STHAMIL	LANE@STHAMIL.COM	912-334-2007
Benjamin Hino	STHAMIL	BHINO@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

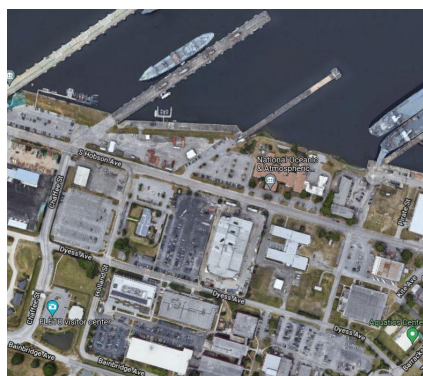
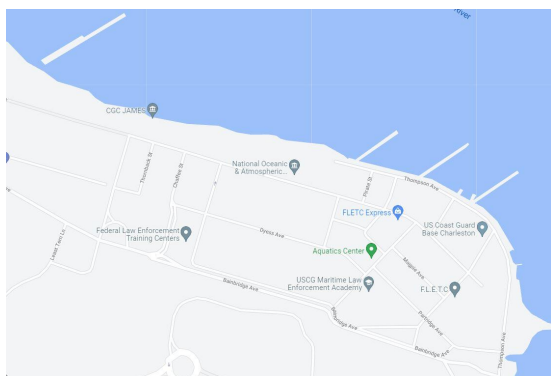
MATT.SILVESTRO@INSIGHTGRP.COM 843-200-9118

Sign In Sheet Page ____ of ____

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



AECOM



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. 21240.02

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

VICINITY MAP
IN CHSPROJECT LOCATION MAP
IN CHS

BUILDING INFORMATION

PROJECT ADDRESS
UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
OMAO SOUTHEAST MARINE OPERATIONS HUB PROJECT
2201 E. FORDHAM AVE.
NORTH CHARLESTON, SC 29405

BUILDING USES
NO BUILDING NOT LIMITED TO THE FOLLOWING:
2018 SOUTH CAROLINA CODES
(INCLUDING ALL NOT LHM 10 TO INTERNATIONAL BUILDING
CODE, TECHNICAL CODE, FIRE CODE)
2018 NFPA 10
2018 NFPA 13
2017 NFPA 70 NATIONAL ELECTRICAL CODE
2018 ASHRAE 90.1
2018 ASHRAE 155

TYPICAL ABBREVIATIONS

APF ABOVE FINISHED FLOOR
C/FX CONTRACT FINISHED CONTRACTOR INSTALLED
EL ELEVATION
FE FIRE EXTINGUISHER
NE NOT IN CONTRACT
VU VERIFY OR USE
CM CARPENTRY
SQF SQUARE FEET

DRAWING NOMENCLATURE

LEGEND

A - # # #
DISCIPLINE DESIGNATION
D - GENERAL
E - CIVIL
A - ARCHITECTURAL

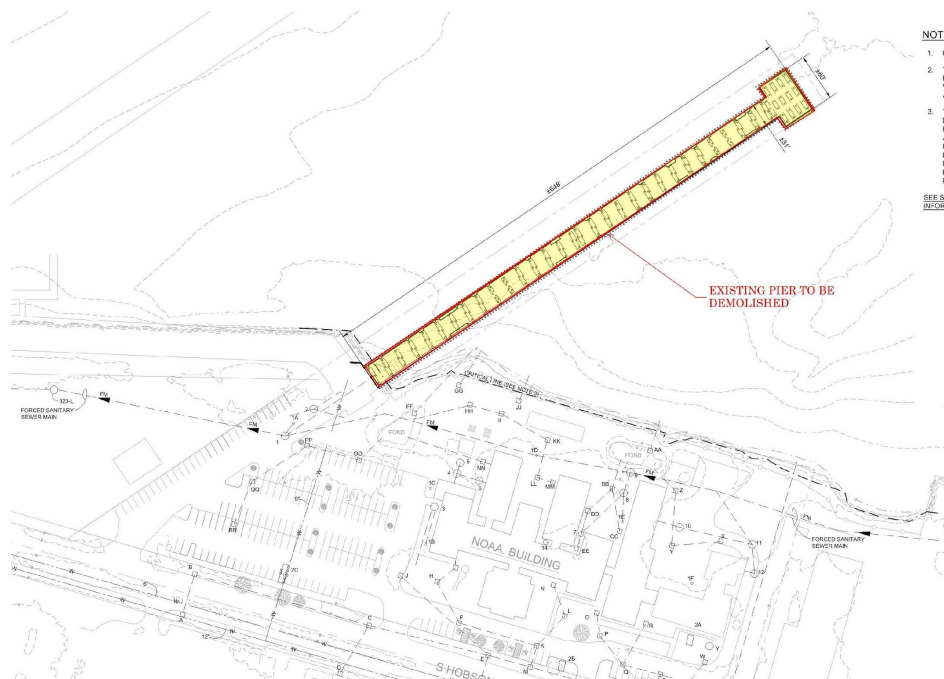
GENERAL NOTES

- THE DRAWINGS AND DOCUMENTS INCLUDED ARE CONCEPT DOCUMENTS FOR USE ONLY. THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, PROCUREMENT, CONTRACTS, BIDS OR A BASIS OF BIDDING.
- ALL WORK PERFORMED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES FROM LOCAL, STATE & FEDERAL AGENCIES. ALL WORK MUST BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES FROM LOCAL, STATE & FEDERAL AGENCIES. ALL WORK MUST BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES FROM LOCAL, STATE & FEDERAL AGENCIES.
- INSTALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS. EXCEPT THE SPECIFICATIONS HEREIN, WHERE WORK IS REQUIRED, SHALL BE COMPLY WITH.
- CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONCEPT DOCUMENTS, FIELD CONDITIONS, INFORMATION FROM ARCHITECTS AND CONTRACTORS THAT WORK IS REQUIRED AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE GOVERNMENT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
- THE PRIME PROFESSIONAL SHALL BE THE PRIMARY SOURCE FOR INFORMATION REGARDING THE PROJECT, INCLUDING BIDDING, ETC., HOWEVER, IT WILL NOT BE THE ONLY SOURCE FOR COORDINATION OF CONSTRUCTION. THE PRIME PROFESSIONAL SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE GOVERNMENT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
- DO NOT SCALE DRAWINGS. USE DIMENSIONS ONLY. DO NOT INFER 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 MATERIALS, STORAGE, REFLECTORS, LIGHTS, ETC. DURING CONSTRUCTION. PROPERLY IDENTIFY AND LABEL TO THE PROJECT. VERIFY AND COORDINATE WITH GOVERNMENT PRIOR.
- THE CONTRACTOR SHALL KEEP THE NEW BUILDING FREE OF RUBBISH AND CLEAN. MAY A DISPOSAL OF CONSTRUCTION DEBRIS OR RUBBISH IS A MUST APPLICABLE GOVERNING CODES AND 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 NOT BE USED TO CONSTRUCT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE GOVERNMENT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
- THE USE OF MANUFACTURER NAMES OR PROPRIETARY PRODUCT NAMES SHALL NOT BE CONSIDERED TO BE THE ONLY SOURCE FOR COORDINATION OF CONSTRUCTION. THE PRIME PROFESSIONAL SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE GOVERNMENT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.

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-103	OVERALL SITE PLAN
C-111	PARKING AREA PAVING & SITE PLAN CONCEPT PLAN
C-112	SITE UTILITIES PLAN
C-113	PIER AND DRAINAGE LAYOUT
C-114	PIER ELEVATIONS
C-115	PIER ELEVATIONS
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 CHF BASED UPON INFORMATION PROVIDED WITHIN THE CHM ENVIRONMENTAL ASSESSMENT REPORT.
3. THE CRITICAL LINE LOCATION SHOWN DRAWING HAS PROVIDED BY OTHERS. REPRESENT THE CRITICAL LINE APPROXIMATE LOCATION. THE GRAPH 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.

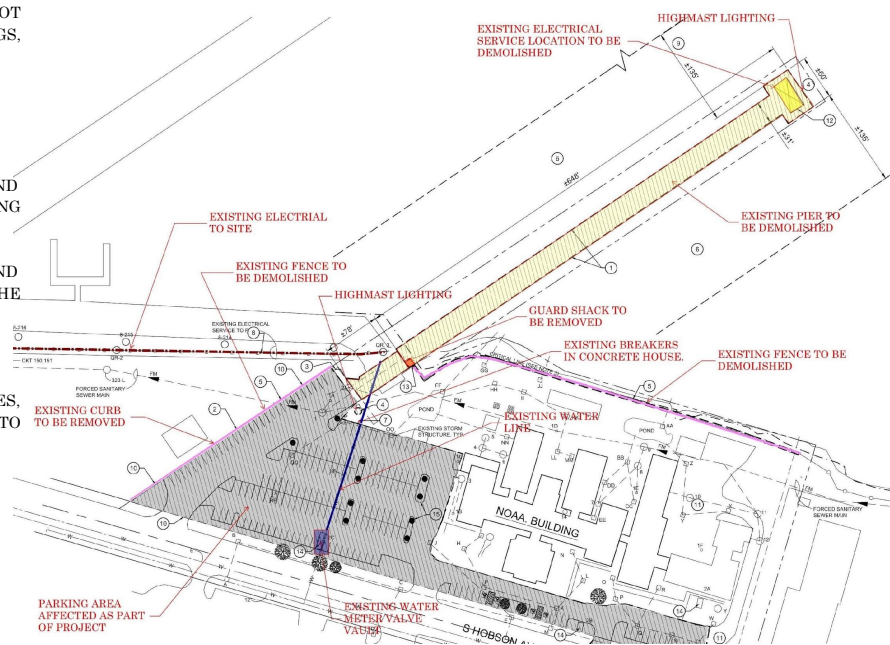
SEE SHEET C-10 FOR UTILITY STRUCTURE INFORMATION

N

DEMOLITION PLAN

THE SITE DEMOLITION WILL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING BUILDINGS, STRUCTURES AND UTILITIES:

- PIER DECKING, PILES AND STRUCTURE.
- ELECTRICAL STRUCTURE ON PIER.
- WATER, SEWER, FIRE PROTECTION AND ELECTRICAL CONNECTIONS ON THE EXISTING PIER.
- WATER, SEWER, FIRE PROTECTION AND ELECTRICAL CONNECTIONS LANDSIDE OF THE EXISTING PIER.
- HIGH MAST LIGHTING FIXTURES.
- EQUIPMENT ON SITE SUCH AS CONEX BOXES, EXISTING STRUCTURES, ETC. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.



NOTES:

1. FIELD VERIFY DIMENS
2. THESE DRAWINGS ARE BASED UPON MEASUREMENTS FROM THE DRAFT ENVIRONMENTAL REPORT.
3. THE CRITICAL LINE (CL) DRAWING HAS BEEN PROVIDED TO REPRESENT THE CRITICAL LOCATION. THE GROUP OF CRITICAL LINE LOCATIONS PROVIDED FOR REFERENCE NOT BE RELIED ON FOR PERMITTING OR CONSTRUCTION.

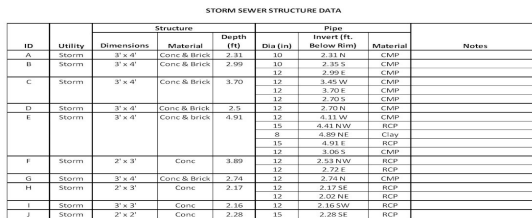
DEMOLITION KEY:

1. EXISTING PIER STRUCTURE TO BE REMOVED AND DISPOSED. REMOVAL SHALL BE IN ACCORDANCE WITH THE DRAFT ENVIRONMENTAL REPORT. R AND APPROPRIATE CONNECTIONS LOCATED.
2. DEMOLISH. REMOVE ALL CONCRETE CURB AND LANDSCAPING PLANTS WITHIN THE D. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE DRAFT ENVIRONMENTAL REPORT.
3. EXISTING SIGN TO BE REMOVED. HIGH MAST LIGHTING TO BE REMOVED. DEMOLISH EXISTING PIERS.
4. EXISTING ELECTRICAL CONCRETE STRUCTURE TO BE REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT AND DISPOSE OF IT. REPLACE AND RE-INSTALL FOLLOWING ELECTRICAL CONNECTIONS TO EXISTING ELECTRICAL SYSTEM.
5. EXISTING ELECTRICAL CONCRETE STRUCTURE TO BE REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT AND DISPOSE OF IT. REPLACE AND RE-INSTALL FOLLOWING ELECTRICAL CONNECTIONS TO EXISTING ELECTRICAL SYSTEM.
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19. EXISTING ELECTRICAL CONCRETE STRUCTURE TO BE REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT AND DISPOSE OF IT. REPLACE AND RE-INSTALL FOLLOWING ELECTRICAL CONNECTIONS TO EXISTING ELECTRICAL SYSTEM.
20. EXISTING ELECTRICAL CONCRETE STRUCTURE TO BE REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT AND DISPOSE OF IT. REPLACE AND RE-INSTALL FOLLOWING ELECTRICAL CONNECTIONS TO EXISTING ELECTRICAL SYSTEM.



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- The site plan illustrates the NOAA Building and its surrounding infrastructure. Key features include:
 - NOAA BUILDING:** The main structure, with a parking area affected as part of the project.
 - EXISTING ELECTRICAL SERVICE LOCATION TO BE DEMOLISHED:** Located near the top center.
 - HIGHMAST LIGHTING:** Indicated by a yellow hatched area and a blue line.
 - EXISTING PIER TO BE DEMOLISHED:** A long, narrow structure extending from the top right.
 - EXISTING FENCE TO BE DEMOLISHED:** A dashed line running along the top and right sides.
 - GUARD SHACK TO BE REMOVED:** A small structure near the top right.
 - EXISTING BREAKERS IN CONCRETE HOUSE:** Located near the top right.
 - EXISTING WATER LINK:** A purple line running along the right side.
 - EXISTING WATER METER/VALVE:** Located near the bottom center.
 - EXISTING CURB TO BE REMOVED:** A dashed line running along the bottom left.
 - PARKING AREA AFFECTED AS PART OF PROJECT:** A shaded area near the bottom left.
 - FORCED SANITARY SEWER MAIN:** Indicated by a dashed line running along the bottom left.
 - EXISTING ELECTRICAL SERVICE TO SITES:** A dashed line running along the top left.
 - EXISTING FENCE TO BE DEMOLISHED:** A dashed line running along the top left.
 - EXISTING ELECTRICAL SERVICE TO SITES:** A dashed line running along the top left.
 - EXISTING ELECTRICAL SERVICE TO SITES:** A dashed line running along the top left.

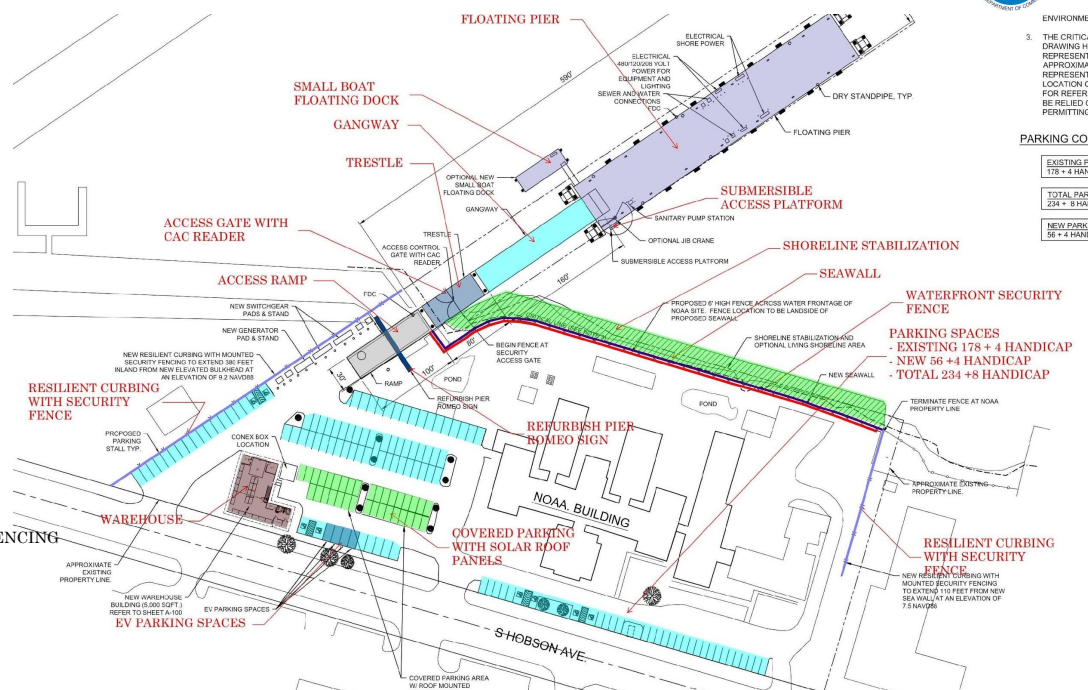
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OVERALL SITE PLAN



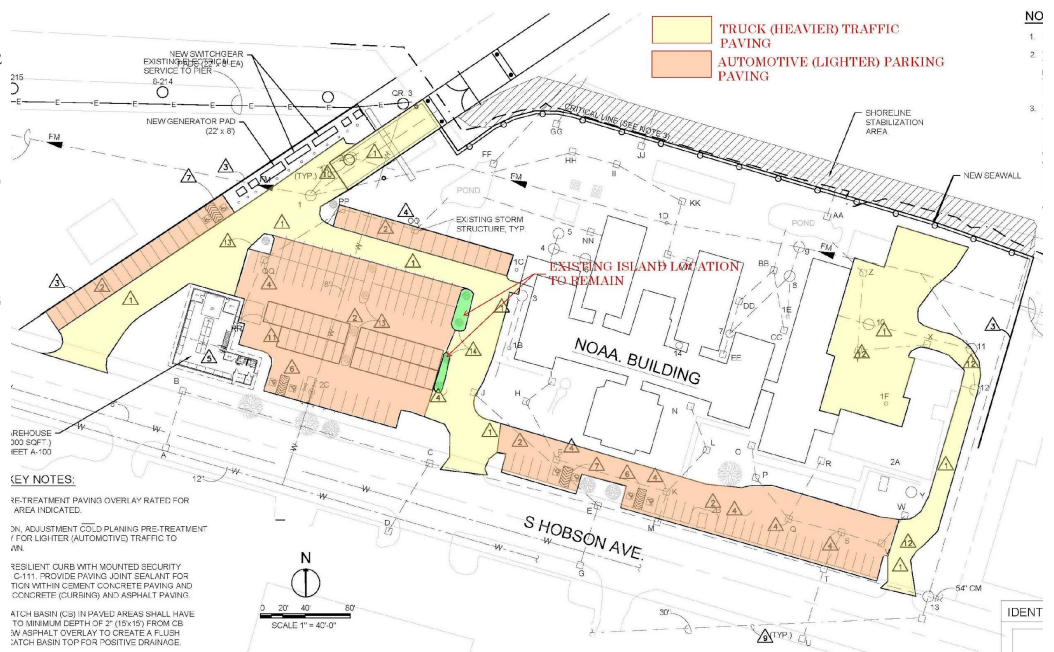
- FLOATING PIER
- SMALL BOAT FLOATING DOCK
- SUBMERSIBLE ACCESS PLATFORM
- GANGWAY
- TRESTLE
- RAMP
- WAREHOUSE BUILDING
- PARKING AREA
- COVERED PARKING AREA
- SEAWALL
- FENCE
- MAIN GATE FOR PIER
- RESILIENT CURBING WITH SECURITY
- NEW SEAWALL
- WATERFRONT FENCE
- SHORELINE STABILIZATION



PARKING AREA PAVING AND STRIPING CONCEPT PLAN

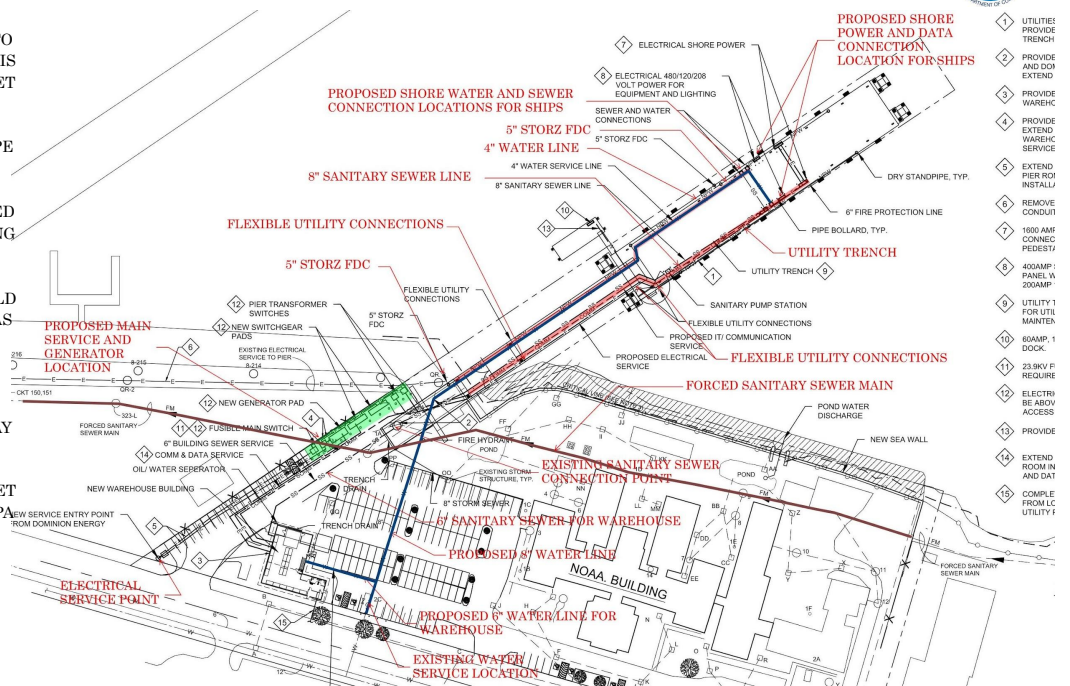


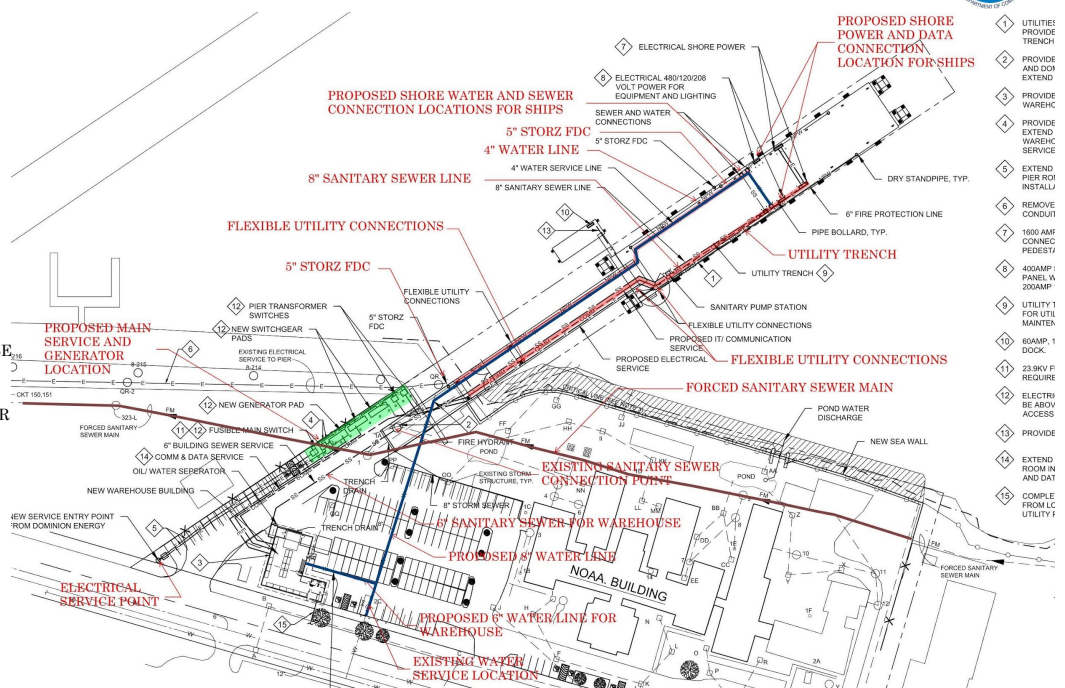
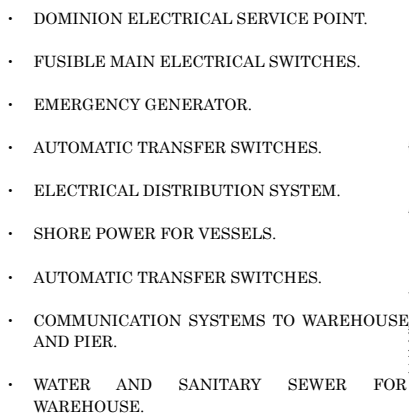
- EXISTING PARKING LOT WILL BE RECONSTRUCTED TO MAXIMIZE THE NUMBER OF PARKING SPACES AND ALLOW THE CONSTRUCTION OF A 5,000-SQUARE-FOOT WAREHOUSE, WITH TRUCK ACCESS.
- ONE DRIVE ACCESS FROM S. HOBSON AVENUE WILL BE CLOSED OFF TO PROVIDE ADDITIONAL PARKING STALLS.
- THE EXISTING CURB AND GUTTER AND LANDSCAPING 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 TO REMAIN AT EXISTING GRADE.
- PARKING WILL BE RESURFACED AND RESTRIPTED.
- EXISTING ISLAND LOCATIONS TO REMAIN.



SITE UTILITIES PLAN

- POTABLE WATER WILL BE CONNECTED TO THE EXISTING SERVICE LINE THE INTENT IS TO MAINTAIN THE PIPING FROM THE STREET TO THIS NEW CONNECTION POINT.
- PIER POTABLE WATER LINE - 4-INCH HDPE PIPE.
- SANITARY SEWER LINE TO PIER IS PROPOSED TO BE AN 8-INCH HDPE FROM THE EXISTING MANHOLE.
- THE EXISTING SEWER STRUCTURE SHOULD BE EVALUATED AND REPLACED AS REQUIRED.
- EXISTING FORCED SEWER MAIN.
- FLEXIBLE CONNECTIONS AT THE GANGWAY AND TRESTLE.
- THE FIRE PROTECTION SYSTEM SHALL MEET AND COMPLY WITH CURRENT NFPA REQUIREMENTS.
- 5" STORZ FDC





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
 15" IN-PLACE SCOOT TYPICAL CANTILEVER CONCRETE
 RING WALL.

100FT RAMP TO TRESTLE FROM +9.5 NAVD88 TO +14.5 NAVD88
 (P) RETAIN RAMP SOIL WITH STEEL SHEET PILE WALL ASTM
 A252-800 OR EQUIVALENT WITH 2FT X 2FT CONCRETE CAP AND
 3S.

FILLED WITH QUARRY RUN ENGINEERED FILL/CONCRETE
 BENT.

STEEL SHEET PILE = 2.5 NAVD88

SHEET PILE RETAINING UPTO 4FT OF SOIL SHALL BE
 EVER WALL.

SHEET PILE RETAINING MORE THAN 4FT OF SOIL UPTO 8.5FT
 BE HAVE TIE BACK SYSTEM AT 3FT BELOW TOP OF WALL.

100FT STEEL TRUSS TRESTLE USING W-SECTIONS. SEE MEMBER
 IN DRAWINGS.

HEIGHT = 18FT

EL GRATED DECK (4" X 1/4" WITH 5FT SPAN) RATED FOR HS-20
 J/LAR TRAFFIC.

DIA ASTM (58" THICK) A252 GRADE 50 STEEL PIPE PILE WITH 6FT

CONCRETE PILE CAP

VP TOP ELEV = +13.0 NAVD88

P ELEV = -100.0 NAVD88

ING GROUND ELEV = -5.0 NAVD88

DIA (12" THICK) ASTM A252 GRADE 50 STEEL PIPE PILE WITH 5FT

CONCRETE PILE CAP

VP TOP ELEV = +13.0 NAVD88

P ELEV = -80.0 NAVD88

ING GROUND ELEV = -5.0 NAVD88

100FT STEEL TRUSS GANGWAY USING W-SECTIONS.

HEIGHT = 18FT

EL GRATED DECK (4" X 1/4" WITH 5FT SPAN) RATED FOR HS-20
 J/LAR 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

1)

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 (1/4" WALL THICKNESS)
 (16 TOTAL). PILE SHALL BE FILLED WITH 5000 PSI CONCRETE AND MIN 1%
 REBAR. 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 A328

A218-800 OR EQUIVALENT

TOP OF WALL ELEV = +9.2 NAVD88

CONCRETE PILE CAP 30 IN (WIDE) X 18 IN (HIGH)

STEEL SHEET PILE TIP = -35 NAVD88

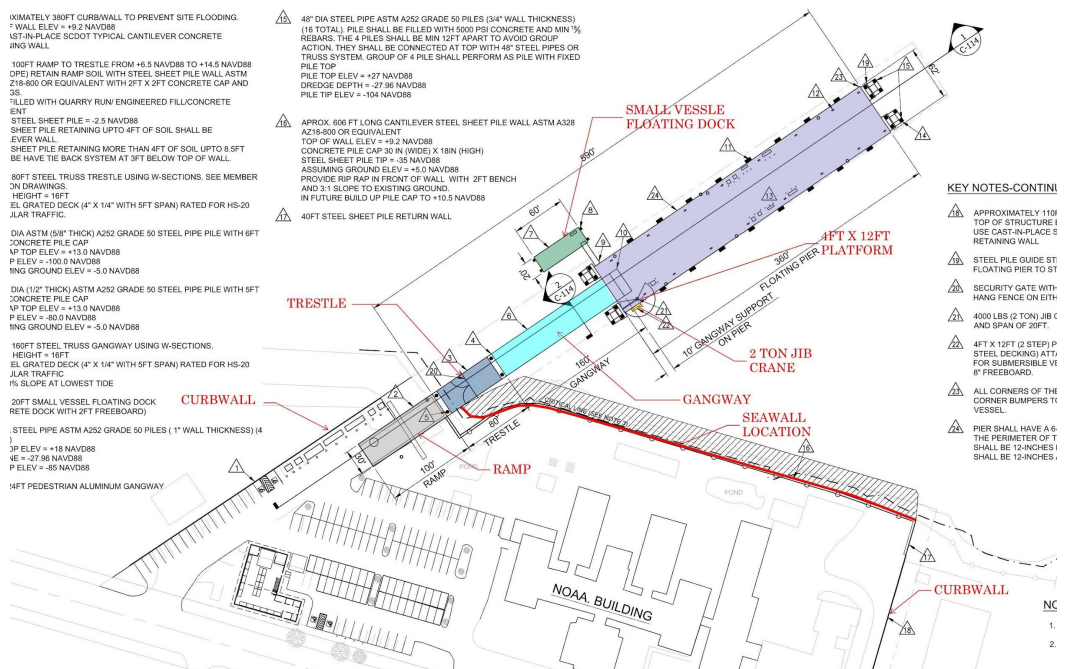
ASSUMING GROUND ELEV = +5.0 NAVD88

PROVIDE 10" 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 1100'

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 V

8' FREEBOARD.

ALL CORNERS OF THE

CORNER BUMPERS TO

VESEL.

PIER SHALL HAVE A 6-

THE PERIMETER OF T

SHALL BE 12-INCHES I

SHALL BE 12-INCHES I

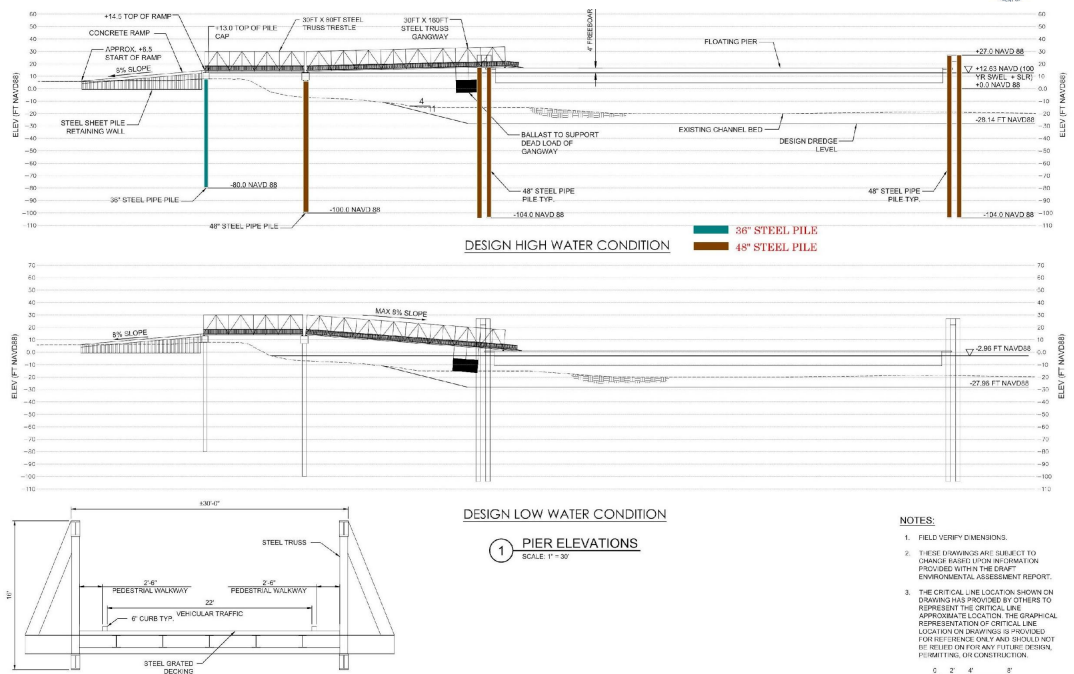
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1.

2.

PIER ELEVATIONS

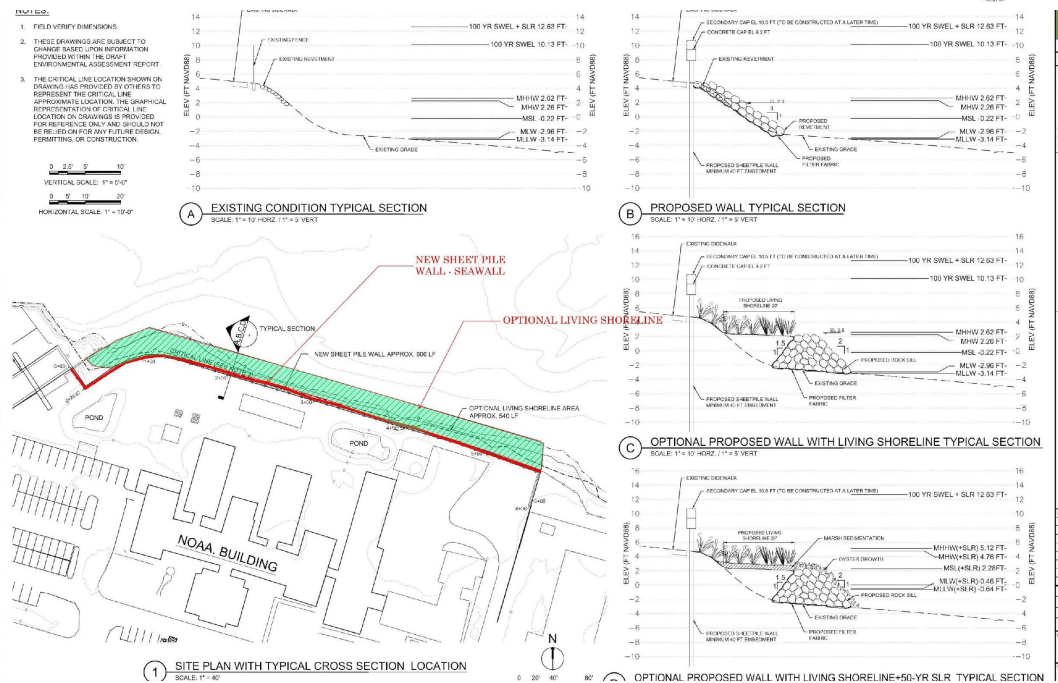
- PILE SIZES INDICATED ON THIS SHEET ARE AS FOLLOWS:
- 36" STEEL PIPE PILE
- 48" STEEL PIPE PILE
- SMALL VESSEL FLOATING DOCK
 - 24" STEEL PIPE PILE



LIVING SHORELINE AND SEAWALL



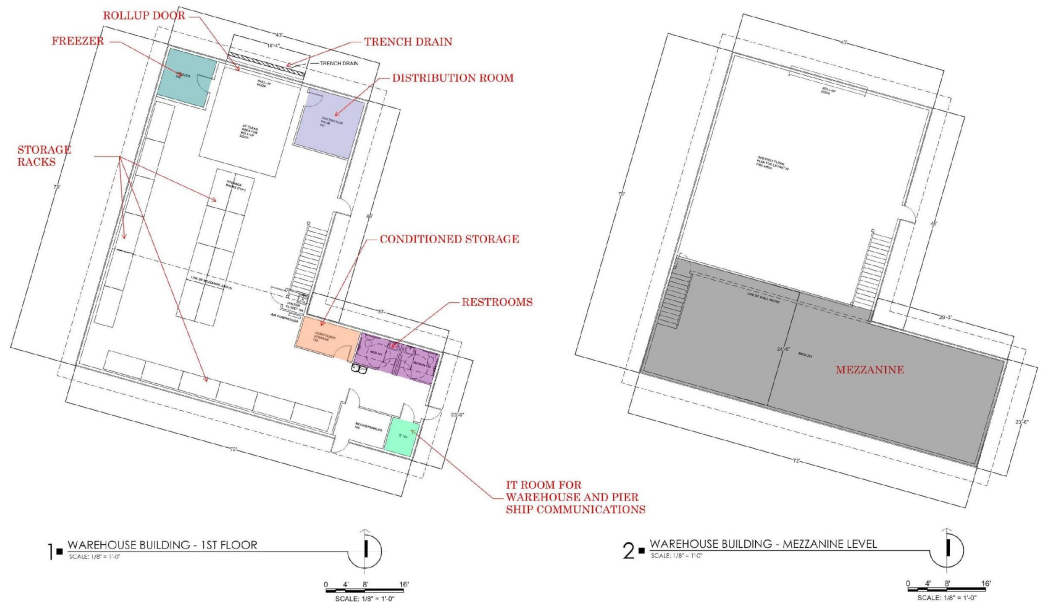
- THE STEEL SHEET PILE WALL SHALL BE APPROXIMATELY 620 FEET.
- INITIAL DESIGN ELEVATION OF THE SEAWALL IS 9.2 FEET NAVD88.
- SEAWALL SECONDARY CAP TO BE CONSTRUCTED ON THE 9.2-FOOT NAVD88 CAP, FINAL ELEVATION OF WALL TO 10.5 FEET NAVD88.
- LIVING SHORELINE SYSTEM WOULD BE APPROXIMATELY 550 FEET IN LENGTH.
- LIVING SHORELINE INCLUDE A ROCK BREAKWATER OR SILL WITH FILTER FABRIC ALONG THE FOOTPRINT AND INLAND PROFILE OF THE SILL.
- PROVIDE A MINIMUM OF 20 FEET OF MARSH CORRIDOR BETWEEN THE LOCATION OF THE SILL AND THE EXISTING SHORELINE.



WAREHOUSE BUILDING FLOOR PLANS

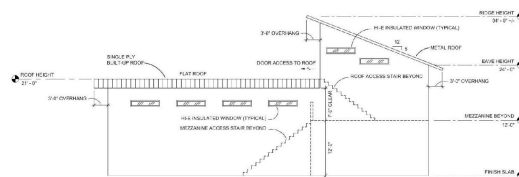


- WAREHOUSE - 5,000 SQUARE-FOOT, 2-STORY.
- CONNECT SANITARY SEWER TO EXISTING SANITARY SYSTEM THAT IS ON-SITE.
- WAREHOUSE DESIGN TO MEET SUSTAINED CATEGORY 4 WIND LOADS.
- ROLL UP DOOR TO BE 16-FOOT WIDE BY 16-FOOT-TALL ELECTRIC DOOR.
- ALL DOORS AND ENTRANCES TO BE CORROSION RESISTANT. SUCH AS ALUMINUM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

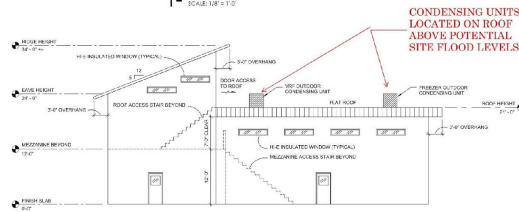


WAREHOUSE BUILDING ELEVATIONS

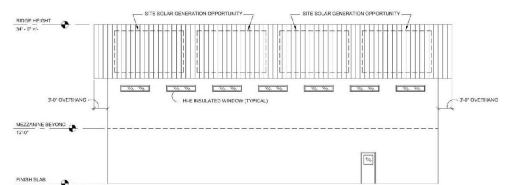
- CONDENSING UNITS LOCATED ON ROOF ABOVE POTENTIAL SITE FLOOD LEVELS
- 16 FOOT ROLL UP DOOR



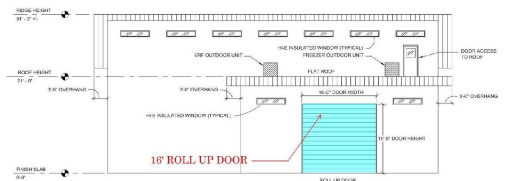
1 WAREHOUSE BUILDING - WEST ELEVATION
SCALE: 1/8" = 1'-0"



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"



DESIGNED BY: J. L. BROWN, P.E.
DATE: 01/15/15
REVISIONS: 01/15/15
SCALE: 1/8" = 1'-0"
NOTES:
1. FINAL DESIGN SHALL BE BASED UPON THE LATEST AVAILABLE DATA AND THE LATEST AVAILABLE INFORMATION. SUBJECT TO

QUESTIONS ON THE PRESENTATION

