

SECTION NO.: 93280  
PERMIT NO.: 2019-C-496-00006  
LOCATION: The Town of Palm Beach  
S.R. No.: SR 704/Okeechobee Blvd. @  
Royal Park Bridge  
Agreement #: 20200113-1

**FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT FOUR  
MAINTENANCE MEMORANDUM OF AGREEMENT**

This **AGREEMENT**, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2020, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, a component agency of the State of Florida, hereinafter called the **DEPARTMENT**, and **The Town of Palm Beach**, a municipal corporation existing under the Laws of Florida, hereinafter called the **AGENCY**.

**WITNESSETH:**

**WHEREAS**, the **DEPARTMENT** has jurisdiction over State Road 704/Okeechobee Boulevard @ Royal Park Bridge; and

**WHEREAS**, the **AGENCY** seeks to install a cantilevered sheet pile bulkhead in front of the existing seawall and maintain said **IMPROVEMENTS** within the right-of-way of State Road 704/Okeechobee, M.P. 9.485 - M.P. 9.915 as described in **Exhibit B**; and

**WHEREAS**, as part of the continual updating of the State of Florida Highway System, the **DEPARTMENT**, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain State Road 704/Okeechobee Blvd. as described in **Exhibit A**, attached hereto and incorporated by reference herein, within the corporate limits of the **AGENCY**; and

**WHEREAS**, it is the intent of the **AGENCY** and the **DEPARTMENT** that the **AGENCY** shall maintain all **IMPROVEMENTS** made by the **AGENCY** as well as areas within the right of way by said **IMPROVEMENTS** made at the request of the **AGENCY**; and

**WHEREAS**, the Project involves the scope of work as described within **Exhibit A** (Project Location and Location Map) and **Exhibit B** (Plans), which will benefit the **AGENCY**; and

**WHEREAS**, the parties hereto mutually recognize the need for entering into an **AGREEMENT** designation and setting forth the responsibilities of each party; and

**WHEREAS**, the **AGENCY** by Resolution No. 154-2019 dated December 10<sup>th</sup>, 2019 attached hereto and by this reference made a part hereof, desires to enter into this **AGREEMENT** and authorizes its officers to do so;

**NOW THEREFORE**, for and in consideration of the mutual benefits to flow each to the other, the parties covenant and agree as follows:

1. The recitals set forth above are true and correct and are deemed incorporated herein.
2. **INSTALLATION OF FACILITIES**

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A. The **AGENCY** shall construct, under Permit Number 2019-C-496-00006 the **IMPROVEMENTS** as detailed in **Exhibit A (Project Location, Description and Project Aerial)** and **Exhibit B (Plans)** that will benefit the **AGENCY**.

- 1) All activities, including landscape **IMPROVEMENTS** installation and future maintenance operations performed on State highway right of way, must be in conformity with the most current edition of the *Manual on Uniform Traffic Control (MUTCD)* and *FDOT Traffic Control through Work Zones*.
- 2) The most current edition of *FDOT Standard Plans* (Sight Distance at Intersections) must be adhered to.
- 3) Lateral Offsets as specified in the *FDOT Plans Preparation Manual*, Volume 1, Chapters 2 and 4 must be adhered to.
- 4) The **AGENCY** shall provide the local FDOT Operation Center located at Palm Beach Operations, 7900 Forest Hill Blvd., West Palm Beach, Florida 33413, (561) 432-4966, a twenty-four (24) hour telephone number and the name of a responsible person that the **DEPARTMENT** may contact. The **AGENCY** shall notify the local maintenance office forty-eight (48) hours prior to the start of the landscape **IMPROVEMENTS**.
- 5) If there is a need to restrict the normal flow of traffic, it shall be done on non-holiday, weekday off-peak hours (9 AM to 3 PM), and the party performing such work shall give notice to the local law enforcement agency within whose jurisdiction such road is located prior to commencing work on the landscape **IMPROVEMENTS**.
- 6) **DEPARTMENT'S** Operation Center Public Information Officer (see telephone number in Paragraph (4)) shall also be notified.
- 7) The **AGENCY** shall be responsible to clear all utilities within the landscape improvement limits before construction commences.

### 3. MAINTENANCE OF FACILITIES

A. The **AGENCY** agrees to maintain the **IMPROVEMENTS** as provided herein. Maintenance by the **AGENCY** will include repair, restoration, and general maintenance of the Cantilevered Sheet Pile Bulkhead within the project limits.

- 1) The **AGENCY** shall be solely responsible for the maintenance and preservation of the **IMPROVEMENTS** within the project limits. The **AGENCY** shall inspect the Cantilevered Sheet Pile Bulkhead annually. All Maintenance or restoration activities shall be performed in accordance with a Maintenance Plan, as approved by the **DEPARTMENT**, as per the requirements in **Exhibit C** (Maintenance Plan Requirements).

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- 2) The **AGENCY'S** Seawall connection to the **DEPARTMENT** Bridge End Bent must not compromise the structural integrity of the bridge.
  - 3) The **AGENCY** must ensure soil densities behind the seawall be maintained and in compliance with the **DEPARTMENT'S** latest FDOT Standards and Specifications.
  - 4) The above-named functions to be performed by the **AGENCY** may be subject to periodic inspections by the **DEPARTMENT** at the discretion of the **DEPARTMENT**. Such inspection findings will be shared with the **AGENCY** and shall be the basis of all decisions regarding, reworking or **AGREEMENT** termination. The **AGENCY** shall not change or deviate from the **AGENCY's** approved Maintenance Plan as referenced in **Exhibit D** without written approval from the **DEPARTMENT**.
  - 5) The **AGENCY** shall be solely responsible for any damages to surrounding property, real estate, vehicles, pedestrians, attachments to the light poles, or other assets occurring as a result of maintaining the cantilevered sheet pile bulkhead and shall repair such damage to the satisfaction of the **DEPARTMENT** at no expense to the **DEPARTMENT**.
- B. It is understood and agreed by the parties that upon "final acceptance" (as that term is described in the Standard Specifications for Roadway and Bridge Construction, as amended by contract documents section 5-11) by the **DEPARTMENT** of the Project and Notice thereof to the **AGENCY**, the **AGENCY** shall be responsible for maintenance of the Project in accordance with the following Federally and State accepted standards (current editions at the time of execution and all amendments thereafter) of this **AGREEMENT** and any amendments hereafter) and all costs related thereto: (a) FDOT Design Manual (FDM), (b) FDOT Plans Preparation Manual (PPM), (c) Florida Green Book, (d) Standard Specifications for Roadway and Bridge Construction, (e) FDOT Design Standards, (f) Manual on Uniform Traffic Control Devices (MUTCD) and (g) Maintenance Rating Program (MRP).
- 1) The **AGENCY** shall be responsible for the **IMPROVEMENTS** as referenced in **Exhibit A** immediately after final acceptance of the construction project by the **DEPARTMENT**.
- E. The above-named functions to be performed by the **AGENCY** may be subject to periodic inspections by the **DEPARTMENT** at the discretion of the **DEPARTMENT**. Such inspection findings will be shared with the **AGENCY** and shall be the basis of all decisions regarding, repayment, reworking or **AGREEMENT** termination.
- F. Any work impacting traffic flow on State Road 704/Okeechobee Boulevard must be coordinated with the **DEPARTMENT**. Lane closures must be submitted for approval in accordance with **DEPARTMENT** procedures and policies and will meet the goals established in the **DEPARTMENT's** Open Roads Policy.

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4. NOTICE OF MAINTENANCE DEFICIENCIES

- A. If, at any time while the terms of this **AGREEMENT** are in effect, it shall come to the attention of the **DEPARTMENT** that the **AGENCY's** responsibility as established herein or a part thereof is not being properly accomplished pursuant to the terms of this **AGREEMENT**, the **DEPARTMENT** may issue a written notice, that a deficiency or deficiencies exist(s), by sending a certified letter to the **AGENCY**, in care of the **TOWN OF PALM BEACH, TOWN MANAGER**, to place the **AGENCY** on notice regarding its maintenance deficiencies. Thereafter, the **AGENCY** shall have a period of sixty (60) days within which to correct the cited deficiency or deficiencies. If said deficiencies are not corrected within the time period, the **DEPARTMENT** may, at its option, proceed under one or more or a combination of the following items:
- 1) The **DEPARTMENT** may repair any item or a number of items. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
  - 2) If the **AGENCY** does not maintain the **IMPROVEMENTS**, the **DEPARTMENT** may remove and repair or replace any damaged part(s) with **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
  - 3) The **DEPARTMENT** may remove or replace any item or number of items with the standard **DEPARTMENT** item. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
  - 4) At the discretion of the **DEPARTMENT**, terminate the **AGREEMENT** in accordance with Paragraph 7 of this **AGREEMENT** and remove, by the **DEPARTMENT** or its Contractor's personnel, all of the **IMPROVEMENTS** installed under this **AGREEMENT** and charge the **AGENCY** the reasonable cost of such removal.

5. RIGHT OF ENTRY

This Agreement shall constitute a right-of-entry on the **AGENCY'S** subject property for the above stated purposes or to perform any function as provided for in this Agreement. From the Effective Date of this Agreement the **DEPARTMENT**, including its agents and assigns, shall have the right to enter the Developer's Property for the following purposes: (1) observing and inspecting the improvement; (2) removing the improvement and (3) otherwise performing this Agreement. Observations and inspections include, without limitation: structural inspection; surveying; and soil excavation. The **DEPARTMENT'S** right of access is specifically limited to those portions of the Developer's property that are necessary for the **DEPARTMENT** to perform the purposes enumerated in this paragraph.

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6. FUTURE DEPARTMENT IMPROVEMENTS

It is understood between the parties hereto that the **IMPROVEMENTS** covered by this **AGREEMENT** may be removed, relocated or adjusted at any time in the future as determined to be necessary by the DEPARTMENT in order that the adjacent state road be widened, altered or otherwise changed to meet with future criteria or planning of the DEPARTMENT.

7. AGREEMENT TERMINATION

This **AGREEMENT** may be terminated under any one (1) of the following conditions:

- A. By the **DEPARTMENT**, if the **AGENCY** fails to perform its duties under this **AGREEMENT**, following ten (10) days written notice. The **AGENCY** shall reimburse the **DEPARTMENT** for any expenditures for the installation of said improvements and the cost to remove and or replace said improvement with the standard improvement or remove in its entirety.
- B. By the **DEPARTMENT**, for refusal by the **AGENCY** to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the **AGENCY** in conjunction with this **AGREEMENT**.
- C. By the **DEPARTMENT** with a six (6) month written notice.

8. AGREEMENT TERM

The term of this **AGREEMENT** commences upon execution by all parties. The term of this **AGREEMENT** shall remain in effect for as long as the **IMPROVEMENTS** shall exist.

9. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the **AGENCY'S** agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for the **IMPROVEMENTS** shall agree to indemnify, defend, save and hold harmless the **DEPARTMENT** from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, sub consultants, contractors and/or subcontractors. The **AGENCY** shall provide to the **DEPARTMENT** written evidence of the foregoing upon the request of the **DEPARTMENT**. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the **DEPARTMENT** for its own negligence.

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B. In the event that **AGENCY** contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:

- 1) **AGENCY'S** contractor shall at all times during the term of this **AGREEMENT** keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive than the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the **DEPARTMENT** as an additional insured.
- 2) **AGENCY'S** contractor shall furnish **AGENCY** with Certificates of Insurance of Endorsements evidencing the insurance coverages specified herein prior to the beginning performance of work under this **AGREEMENT**.
- 3) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of **AGENCY'S** contractor is completed. All policies must be endorsed to provide the **DEPARTMENT** with at least thirty (30) days notice of cancellation and or/or restriction. If any of the insurance coverages will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.

#### 10. E-VERIFY REQUIREMENTS

The **AGENCY** shall:

- A. Utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the **AGENCY** for the work performed under this **AGREEMENT**; and
- B. Expressly require any contractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

#### 11. ENTIRE AGREEMENT

This writing embodies the entire **AGREEMENT** and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter except the Permit Number **2019-C-496-00006** hereof that are not merged herein and superseded hereby.

#### 12. LIABILITY

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The **DEPARTMENT**, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The **DEPARTMENT** shall require a statement from the Comptroller of the **DEPARTMENT** that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the **DEPARTMENT** which are for an amount in excess of TWENTY FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

13. DISPUTES

The **DEPARTMENT'S** District Secretary shall decide all questions, difficulties and disputes of any nature whatsoever that may arise under or by reason of this **AGREEMENT**, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof; and his decision upon all claims, questions and disputes shall be final and conclusive upon the parties hereto.

14. ASSIGNMENT

This **AGREEMENT** may not be assigned or transferred by the **AGENCY** in whole or part without the consent of the **DEPARTMENT**.

15. LAWS GOVERNING

This **AGREEMENT** shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. The **AGENCY** agrees to waive forum and venue and the **DEPARTMENT** shall determine the forum and venue in which any dispute under this **AGREEMENT** is decided.

16. NOTICES

Any and all notices given or required under this **AGREEMENT** shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses.

If to the **DEPARTMENT**:

State of Florida Department of Transportation

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Attention: District Maintenance Engineer  
3400 West Commercial Blvd  
Ft. Lauderdale, FL 33309-3421

If to the **AGENCY**:

Town of Palm Beach  
Attention: Jay Boodheshar, Deputy Town Manager  
360 S. County Road  
Town of Palm Beach, Florida 33480

17. LIST OF EXHIBITS

Exhibit A: Project Location and Location Map  
Exhibit B: Plans  
Exhibit C: Maintenance Plan Requirements



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**IN WITNESS OF THE FOREGOING**, the parties have set their hands and seals the day and year first above written.

**AGENCY:**

ATTEST:

Town of Palm Beach BY  
ITS CITY COMMISSION:

\_\_\_\_\_  
CITY CLERK  
(SEAL)

Sign: \_\_\_\_\_  
TOWN MANAGER

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Review:

Sign: \_\_\_\_\_  
CITY ATTORNEY

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

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**DEPARTMENT:**

ATTEST:

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_  
Executive Secretary  
(SEAL)

Sign: \_\_\_\_\_  
Howard Webb, Director of Operations

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Review:

Sign: \_\_\_\_\_  
Dawn Raduano, District General Counsel

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

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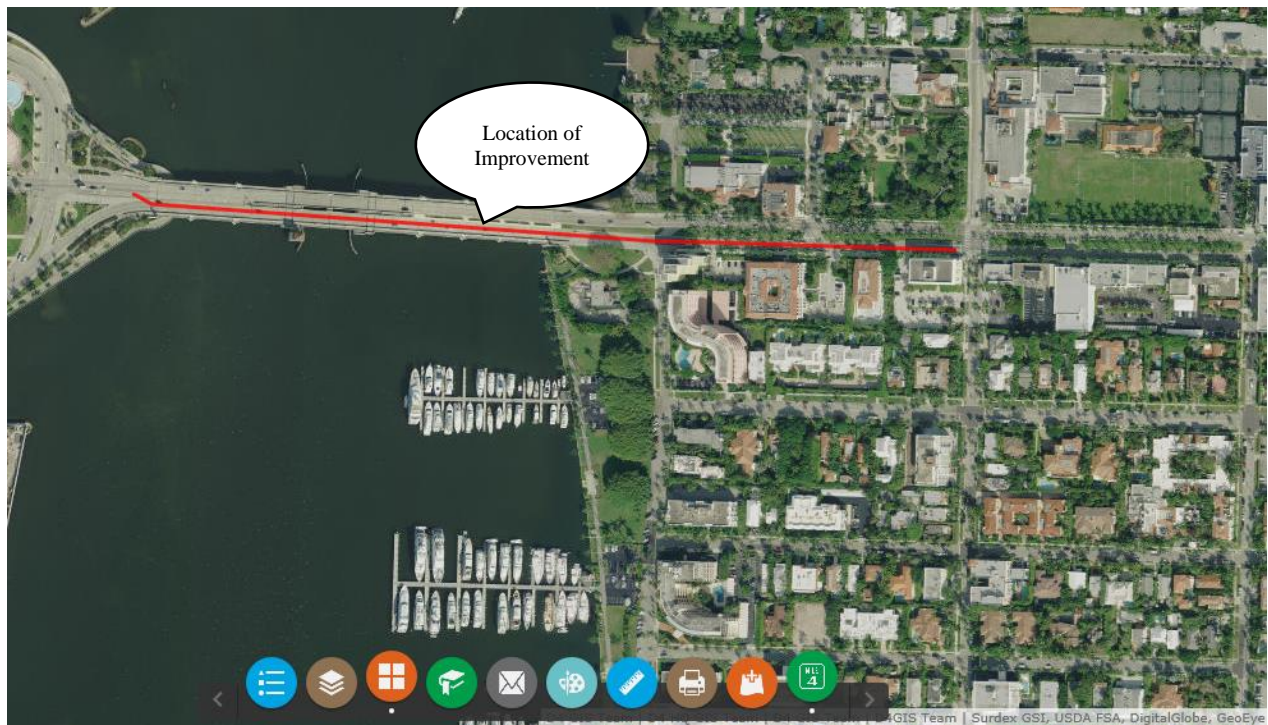
## EXHIBIT A

### PROJECT LOCATION AND LOCATION MAP

#### A. PROJECT LOCATION

The **IMPROVEMENTS** associated with this Agreement are within the **DEPARTMENT'S** right-of-way, within limits of the Town of Palm, Florida along State Road 704/Okeechobee Boulevard (M.P. 9.485 – 9.915) under permit number 2019-C-496-00006.

#### B. LOCATION MAP



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**EXHIBIT B**

**TOWN OF MARINA PROJECT BID DRAWINGS**

Bid drawings digitally signed and sealed by Gordon Thomson, W. F. Baird & Associates LTD.  
dated, October 18, 2019, as approved by the **DEPARTMENT**.

**SIGNALIZATION PLANS (attached)**

**Sheets Included:**

PDF Page Number (#)	Plan Sheet (#)	Sheet Description
13	D-01	PROJECT BID COVER-SHEET
14	G-002	DRAWING INDEX
15	SW-001	GENERAL NOTES-BULKHEAD
16	SW-101	BULKHEAD WALL-OVERALL PLAN
17	SW-102	BULKHEAD WALL- STA 0+00 TO 2+69
18	SW-301	BULKHEAD SECTIONS
19	SW-501	BULKHEAD WALL DETAILS (SHEET 1 OF 3)
20	SW-502	BULKHEAD WALL DETAILS (SHEET 2 OF 3)
21	SW-503	BULKHEAD WALL DETAILS (SHEET 3 OF 3)



# TOWN MARINA PROJECT BID DRAWINGS

PREPARED FOR THE  
TOWN OF PALM BEACH



TOWN OF PALM BEACH  
360 SOUTH COUNTY ROAD  
PALM BEACH, FL 33480

TOWN OFFICIALS

MAYOR  
COUNCIL PRESIDENT  
COUNCIL PRESIDENT PRO-TEM  
COUNCIL MEMBER  
COUNCIL MEMBER  
COUNCIL MEMBER  
TOWN MANAGER  
DIRECTOR OF PUBLIC WORKS  
TOWN ENGINEER  
DIRECTOR OF BUSINESS  
DEVELOPMENT & OPERATIONS

GAIL CONIGLIO  
DANIELLE H. MOORE  
MARGARET A. ZEIDMAN  
JULIE ARASKOG  
LEW CRAMPTON  
BOBBIE LINDSAY  
KIRK W. BLOUIN  
H. PAUL BRAZIL, P.E.  
PATRICIA STRAYER, P.E.  
CAROLYN STONE



LOCATION MAP  
NTS

TOWN DOCKS  
LONGITUDE: 80 02.66' W  
LATITUDE: 26 42.18' N

PREPARED BY

**Baird.**

W.F. BAIRD & ASSOCIATES LTD.  
5014 NW 24TH CIRCLE  
BOCA RATON, FL 33431

IN ASSOCIATION WITH



EDGEWATER RESOURCES, LLC  
2075 N. POWERLINE ROAD, SUITE 4  
POMPANO BEACH, FL 33069



REG ARCHITECTS, INC.  
300 CLEMATIS STREET, 3RD FLOOR  
WEST PALM BEACH, FL 33401



RGD CONSULTING ENGINEERS  
2151 S. ALT. A1A, SUITE 2000  
JUPITER, FL 33477

SUNSHINE STATE ONE CALL

CALL AT LEAST 2 FULL WORKING DAYS (48 HRS)  
BEFORE YOU DIG - (800) 432-4770



CAUTION BURIED ELECTRICAL. CALL "SUNSHINE  
STATE ONE, F.P. & L. AND TOWN OF PALM BEACH"  
PUBLIC WORKS PRIOR TO EXCAVATION

ISSUE NUMBER: D-01  
ISSUE DATE: 2019-09-17





A		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P	
1	SHEET NUMBER	SHEET TITLE					ISSUE	REV																							
	GENERAL																														
	G-001	COVER SHEET					D-01	--																							
	G-002	DRAWING INDEX					D-01	--																							
	G-101	GENERAL NOTES					D-01	--																							
2	SURVEY																														
	V-101	EXISTING CONDITIONS (OVERALL)					D-01	--																							
	V-102	EXISTING CONDITIONS (SHEET 1 OF 3)					D-01	--																							
	V-103	EXISTING CONDITIONS (SHEET 2 OF 3)					D-01	--																							
	V-104	EXISTING CONDITIONS (SHEET 3 OF 3)					D-01	--																							
	V-105	SITE PHOTO MAP					D-01	--																							
3	V-106	SITE PHOTOS					D-01	--																							
	GEOTECHNICAL																														
	B-101	SOIL BORING PLAN					D-01	--																							
	CIVIL																														
	C-001	GENERAL NOTES - DEMOLITION & DREDGING					D-01	--																							
4	C-101	PROPOSED IMPROVEMENT PLAN					D-01	--																							
	C-102	CONSTRUCTION STAGING AREA & FENCING (1 OF 2)					D-01	--																							
	C-103	CONSTRUCTION STAGING AREA & FENCING (2 OF 2)					D-01	--																							
	C-104	DEMOLITION PLAN (OVERALL)					D-01	--																							
	C-105	DEMOLITION PLAN (SHEET 1 OF 3)					D-01	--																							
5	C-106	DEMOLITION PLAN (SHEET 2 OF 3)					D-01	--																							
	C-107	DEMOLITION PLAN (SHEET 3 OF 3)					D-01	--																							
	C-108	DREDGING PLAN					D-01	--																							
	C-109	SAND DEPTH CONDITIONS					D-01	--																							
	C-110	ROCK DEPTH CONDITIONS					D-01	--																							
6	C-111	DISPOSAL PLAN					D-01	--																							
	C-301	DREDGING SECTIONS (SHEET 1 OF 2)					D-01	--																							
	C-302	DREDGING SECTIONS (SHEET 2 OF 2)					D-01	--																							
	C-303	DREDGE DISPOSAL SECTIONS					D-01	--																							
	C-401	UTILITY COORDINATION PLAN (SHEET 1 OF 3)					D-01	--																							
7	C-402	UTILITY COORDINATION PLAN (SHEET 2 OF 3)					D-01	--																							
	C-403	UTILITY COORDINATION PLAN (SHEET 3 OF 3)					D-01	--																							
	C-404	UTILITY COORDINATION PLAN (PALM WAY DOCK)					D-01	--																							
	C-405	UTILITY COORDINATION PLAN (BRAZILIAN DOCK)					D-01	--																							
	C-406	UTILITY COORDINATION PLAN (AUSTRALIAN DOCK)					D-01	--																							
8	C-407	UTILITY COORDINATION PLAN (PERUVIAN DOCK)					D-01	--																							
	CIVIL - DOCKAGE																														
	CD-101	PROPOSED FLOATING DOCKAGE SYSTEM PLAN					D-01	--																							
	CD-102	FLOATING DOCKAGE SYSTEM PLAN - PALM WAY					D-01	--																							
	CD-103	FLOATING DOCKAGE SYSTEM PLAN - BRAZILIAN					D-01	--																							
9	CD-104	FLOATING DOCKAGE SYSTEM PLAN - AUSTRALIAN					D-01	--																							
	CD-105	FLOATING DOCKAGE SYSTEM PLAN - PERUVIAN					D-01	--																							
	CD-106	FLOATING DOCKAGE PLAN - BRAZILIAN (EAST END)					D-01	--																							
	CD-107	FLOATING DOCKAGE PLAN - BRAZILIAN (MIDDLE)					D-01	--																							
	CD-108	FLOATING DOCKAGE PLAN - BRAZILIAN (WEST END)					D-01	--																							
10	CD-109	FLOATING DOCKAGE PLAN - AUSTRALIAN (EAST END)					D-01	--																							
	CD-110	FLOATING DOCKAGE PLAN - AUSTRALIAN (EAST MIDDLE)					D-01	--																							
	CD-111	FLOATING DOCKAGE PLAN - AUSTRALIAN (WEST MIDDLE)					D-01	--																							
	CD-112	FLOATING DOCKAGE PLAN - AUSTRALIAN (WEST END)					D-01	--																							
	CD-113	FLOATING DOCKAGE PLAN - PERUVIAN (EAST END)					D-01	--																							
11	CD-114	FLOATING DOCKAGE PLAN - PERUVIAN (MIDDLE)					D-01	--																							
	CD-115	FLOATING DOCKAGE PLAN - PERUVIAN (WEST END)					D-01	--																							
	CD-301	FLOATING DOCKAGE SECTIONS					D-01	--																							
	CD-302	GANGWAY & GANGWAY ABUTMENT SECTIONS					D-01	--																							
	CD-501	FLOATING DOCKAGE DETAILS					D-01	--																							
12	CD-502	FLOATING DOCKAGE DETAILS					D-01	--																							
	STRUCTURAL - BULKHEAD																														
	SW-001	GENERAL NOTES - BULKHEAD					D-01	--																							
	SW-101	BULKHEAD WALL - OVERALL PLAN					D-01	--																							
	SW-102	BULKHEAD WALL - STA 0+00 TO 2+69					D-01	--																							
13	SW-103	BULKHEAD WALL - STA 2+69 TO 5+96					D-01	--																							
	SW-104	BULKHEAD WALL - STA 5+96 TO 9+21					D-01	--																							
	SW-105	BULKHEAD WALL - STA 9+09 TO 12+45					D-01	--																							
	SW-106	BULKHEAD WALL - STA 12+45 TO 15+40					D-01	--																							
	SW-107	TYPICAL BULKHEAD DETAIL AT STORMWATER PUMPSTATION					D-01	--																							
14	SW-301	BULKHEAD SECTIONS					D-01	--																							
	SW-501	BULKHEAD WALL DETAILS (SHEET 1 OF 3)					D-01	--																							
	SW-502	BULKHEAD WALL DETAILS (SHEET 2 OF 3)					D-01	--																							
	SW-503	BULKHEAD WALL DETAILS (SHEET 3 OF 3)					D-01	--																							
	CIVIL - LANDSIDE																														
	CE-001	GENERAL NOTES I					D-01	--																							

CE-002	GENERAL NOTES II					D-01	--
CE-003	GENERAL NOTES III					D-01	--
CE-101	ACCESS RAMPS DEMO PLAN					D-01	--
CE-102	STORMWATER POLLUTION PREVENTION PLAN					D-01	--
CE-103	PARKING LOT STRIPING PLANS					D-01	--
CE-104	PALM WAY DOCK ACCESS RAMPS					D-01	--
CE-105	BRAZILIAN DOCKS ACCESS RAMPS					D-01	--
CE-106	AUSTRALIAN DOCKS ACCESS RAMPS					D-01	--
CE-107	PERUVIAN DOCKS ACCESS RAMPS					D-01	--
CE-201	ACCESS RAMP DETAILS					D-01	--
CE-202	RECYCLE & WASTE AREA PLAN & DETAILS					D-01	--
CE-301	UPLAND UTILITIES PLAN - NORTH					D-01	--
CE-302	UPLAND UTILITIES PLAN - SOUTH					D-01	--
CE-501	CIVIL DETAILS I					D-01	--
CE-502	CIVIL DETAILS II					D-01	--
MARINE STRUCTURES							
ME-101	MARINE STRUCTURES SITE PLAN					D-01	--
ME-102	PALM WAY DOCK PLATFORM					D-01	--
ME-103	BRAZILIAN DOCK PLATFORM					D-01	--
ME-104	AUSTRALIAN DOCK PLATFORM					D-01	--
ME-105	PERUVIAN DOCK PLATFORM					D-01	--
ME-501	STRUCTURAL DETAILS					D-01	--
LANDSCAPE - PARKING LOTS & SITE IMPROVEMENTS							
LP-101	PLANTING - BRAZILIAN LOT					D-01	--
LP-102	PLANTING - AUSTRALIAN LOT					D-01	--
LP-103	PLANTING - PERUVIAN LOT					D-01	--
LP-501	PLANTING DETAILS					D-01	--
LD-100	SITE FURNISHINGS PLAN					D-01	--
LD-200	LANDSCAPE PLANTING DETAILS					D-01	--
ARCHITECTURE							
BRAZILIAN BUILDING							
AA-000	ARCHITECTURAL INFORMATION					D-01	--
AA-010	ARCHITECTURAL SITE LAYOUT & PALM WAY DOCK					D-01	--
AA-011	ARCHITECTURAL SITE LAYOUT & DOCK DETAILS					D-01	--
AA-020	LIFE SAFETY PLAN FIRST FLOOR					D-01	--
AA-030	LIFE SAFETY PLAN SECOND FLOOR					D-01	--
AA-100	FIRST FLOOR PLAN					D-01	--
AA-110	SECOND FLOOR PLAN					D-01	--
AA-120	ROOF PLAN					D-01	--
AA-130	1ST & 2ND FLOOR CEILING PLAN					D-01	--
AA-200	BUILDING ELEVATION					D-01	--
AA-210	BUILDING ELEVATION					D-01	--
AA-220	BUILDING ELEVATION					D-01	--
AA-230	BUILDING ELEVATION					D-01	--
AA-300	BUILDING SECTIONS					D-01	--
AA-310	WALL SECTIONS					D-01	--
AA-400	INTERIOR ELEVATIONS					D-01	--
AA-410	INTERIOR ELEVATIONS					D-01	--
AA-420	VERTICAL CIRCULATION PLANS, SECTIONS, & DETAILS					D-01	--
AA-500	COLUMN DETAILS					D-01	--
AA-510	DETAILS					D-01	--
AA-520	DETAILS					D-01	--
AA-600	WINDOW / DOOR SCHEDULE & DETAILS					D-01	--
SA-001	GENERAL NOTES					D-01	--
SA-002	GENERALS NOTES CONT.					D-01	--
SA-003	SCHEDULES					D-01	--
SA-101	PLAN VIEWS					D-01	--
SA-201	FRAMING SECTIONS & DETAILS					D-01	--
SA-202	FRAMING SECTIONS & DETAILS CONT.					D-01	--
SA-203	FRAMING SECTIONS & DETAILS CONT.					D-01	--
AUSTRALIAN BUILDING							
AB-000	ARCHITECTURAL INFORMATION					D-01	--
AB-010	ARCHITECTURAL SITE LAYOUT					D-01	--
AB-020	LIFE SAFETY PLAN					D-01	--
AB-100	FLOOR PLAN					D-01	--
AB-110	ROOF PLAN					D-01	--
AB-120	CEILING PLAN					D-01	--
AB-200	BUILDING ELEVATION					D-01	--
AB-210	BUILDING ELEVATION					D-01	--
AB-220	BUILDING ELEVATION					D-01	--

AB-230	BUILDING ELEVATION					D-01	--
AB-300	BUILDING SECTIONS					D-01	--
AB-310	BUILDING SECTION					D-01	--
AB-320	WALL SECTIONS					D-01	--
AB-400	INTERIOR ELEVATIONS					D-01	--
AB-500	COLUMN DETAILS					D-01	--
AB-510	DETAILS					D-01	--
AB-520	DETAILS					D-01	--
AB-600	WINDOW / DOOR SCHEDULES & DETAILS					D-01	--
SB-001	GENERAL NOTES					D-01	--
SB-002	GENERAL NOTES CONT.					D-01	--
SB-003	SCHEDULES					D-01	--
SB-101	PLAN VIEWS					D-01	--
SB-201	FRAMING SECTIONS & DETAILS					D-01	--
SB-202	FRAMING SECTIONS & DETAILS					D-01	--
PERUVIAN BUILDING							
AC-000	ARCHITECTURAL INFORMATION					D-01	--
AC-010	ARCHITECTURAL SITE LAYOUT					D-01	--
AC-020	LIFE SAFETY PLAN					D-01	--
AC-100	FLOOR PLAN					D-01	--
AC-110	ROOF PLAN					D-01	--
AC-120	CEILING PLAN					D-01	--
AC-200	BUILDING ELEVATIONS					D-01	--
AC-210	BUILDING ELEVATIONS					D-01	--
AC-300	BUILDING SECTIONS					D-01	--
AC-310	WALL SECTIONS					D-01	--
AC-400	INTERIOR ELEVATIONS					D-01	--
AC-500	COLUMN DETAILS					D-01	--
AC-510	DETAILS					D-01	--
AC-600	WINDOW / DOOR SCHEDULES & DETAILS					D-01	--
SC-001	GENERAL NOTES					D-01	--
SC-002	GENERAL NOTES CONT.					D-01	--
SC-003	SCHEDULES					D-01	--
SC-101	PLAN VIEWS					D-01	--
SC-201	FOUNDATION SECTIONS & DETAILS					D-01	--
SC-301	FRAMING SECTIONS & DETAILS					D-01	--
SC-302	FRAMING SECTIONS & DETAILS CONT.					D-01	--
SC-303	PERUVIAN BUILDING FOUNDATION					D-01	--
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M-001	MECHANICAL NOTES & INDEX					D-01	--
M-002	MECHANICAL NOTES & LEGEND					D-01	--
M-101	MECHANICAL SITE PLAN					D-01	--
M-102	MECHANICAL FLOOR PLAN					D-01	--
M-501	MECHANICAL DETAILS					D-01	--
M-601	MECHANICAL SCHEDULE					D-01	--
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E-001	ELECTRICAL COVER SHEET					D-01	--
E-101	ELECTRICAL POWER PLAN - SITE					D-01	--
E-102	ELECTRICAL POWER PLAN - BUILDINGS					D-01	--
E-601	ELECTRICAL SCHEDULES					D-01	--
E-602	ELECTRICAL SCHEDULES					D-01	--
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PLUMBING							
P-001	PLUMBING NOTES, INDEX & LEGEND					D-01	--
P-101	PLUMBING SITE PLAN					D-01	--
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P-102B	PLUMBING PLAN - PERUVIAN DOCK					D-01	--
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P-103B	PLUMBING PLAN - AUSTRALIAN DOCK					D-01	--
P-104A	PLUMBING PLAN - BRAZILIAN DOCK					D-01	--
P-104B	PLUMBING PLAN - BRAZILIAN DOCK					D-01	--
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P-106	PLUMBING FLOOR PLAN - PERUVIAN BUILDING					D-01	--
P-107	PLUMBING FLOOR PLAN - AUSTRALIAN BUILDING					D-01	--
P-108	PLUMBING FLOOR PLAN - BRAZILIAN BUILDING FIRST FLOOR					D-01	--
P-109	BRAZILIAN 2ND FLOOR & CONDENSATE OVERALL ISOMETRIC					D-01	--
P-501	PLUMBING DETAILS					D-01	--
P-601	PLUMBING SCHEDULES					D-01	--

REVISIONS										PREPARED FOR:		PREPARED BY:		TOWN MARINA PROJECT					
(PH) PHASE OF ISSUE:										(C) PERMIT				DRAWING INDEX					
(A) PRELIMINARY										(B) DESIGN		(D) TENDER		(E) CONSTRUCTION		(F) RECORD			
PH	REV	DESCRIPTION			DRN	DSN	APR	QCM	YYYY-MM-DD	PH	REV	DESCRIPTION			DRN	DSN	APR	QCM	YYYY-MM-DD
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1	<div>BULKHEAD</div> <div><div><div><div>1.</div><div>SOIL INFORMATION OBTAINED FROM GEOTECHNICAL REPORT TITLED "SUBSURFACE SOIL EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION TOWN DOCKS PROJECT (AAI FILE NO. 18-1739) PALM BEACH, FLORIDA" BY ARDAMAN &amp; ASSOCIATES, INC., DATED FEBRUARY 13, 2019.</div></div><div><div>2.</div><div>BULKHEAD CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 455 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.</div></div><div><div>3.</div><div>CONTRACTOR SHALL PROVIDE LAYOUT OF SHEET PILING ENSURING BEST FIT TO DESIGN ALIGNMENTS TO ENGINEER FOR REVIEW. SHEET PILE AND TUBULAR STEEL PILES SHOWN ON DRAWINGS ARE SCHEMATIC. THE CONTRACTOR SHALL SURVEY THE EXISTING STRUCTURE TO DETERMINE THAT ALL ADDITIONS OR MODIFICATIONS AS INDICATED IN THE DRAWINGS ARE FEASIBLE AND PRACTICAL AND SHALL REPORT ANY DISCREPANCIES OR UNUSUAL CONDITIONS TO THE ENGINEER. FIELD DIMENSION NEW STRUCTURAL ELEMENTS PRIOR TO THE SUBMISSION OF SHOP DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS THAT WILL AFFECT CONSTRUCTION OF THE STRUCTURES PRIOR TO CONSTRUCTION. IF DIMENSIONS VARY FROM THOSE SHOWN, CONTRACTOR SHALL PROMPTLY INFORM THE ENGINEER IN WRITING VIA A MARKED-UP PRINT. ALL DIMENSIONAL ISSUES MUST BE RESOLVED PRIOR TO SUBMITTAL OF SHOP DRAWINGS.</div></div></div><div><div><div>4.</div><div>CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION THAT MIGHT BE AFFECTED BY OR OTHERWISE INTERFERE WITH INSTALLATION OF NEW WORK. THIS INCLUDES THOSE THAT MIGHT BE DAMAGED BY NEW FOUNDATIONS OR OTHER WORK.</div></div><div><div>5.</div><div>STEEL SHEET PILING AND ELEMENTS OF COMBINATION WALL SYSTEMS SHALL BE DRIVEN TO THE MINIMUM TIP ELEVATIONS INDICATED ON THE PLANS. IF SPECIFIED TIP ELEVATION IS NOT MET, FOR ANY REASON, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.</div></div><div><div>6.</div><div>SPOUDDING AND/OR JETTING OF PILES WILL NOT BE ALLOWED.</div></div><div><div>7.</div><div>THE CONTRACTOR SHALL COORDINATE THE PILE DRIVING SCHEDULE SO AS NOT TO INTERFERE WITH OR BE DETRIMENTAL TO CONCRETE PLACEMENT AND CURING OPERATIONS.</div></div><div><div>8.</div><div>STEEL SHEET PILES SHALL BE HEAVY GAUGE HOT-ROLLED SECTIONS WITH FULL INTERLOCKING SHEETS CONFORMING TO ASTM A572, GRADE 60.</div></div><div><div>9.</div><div>COAT BOTH WATERSIDE AND LANDSIDE FACE OF STEEL SHEET PILE. AND ENTIRE CIRCUMFERENCE OF STEEL PIPE PILES, USING A MARINE GRADE COAL TAR EPOXY COATING SYSTEM. THE TOP 15 FEET OF BULKHEAD WALL (STEEL SHEET PILE AND STEEL PIPE PILE) SHALL BE COATED. COATING SHALL BE TARGUARD MANUFACTURED BY SHERWIN WILLIAMS OR APPROVED EQUIVALENT.</div></div><div><div>10.</div><div>FILL VOID BETWEEN EXISTING BULKHEAD AND NEW BULKHEAD WITH CLEAN #5 COURSE AGGREGATE, PER FDOT SECTION 901, OR APPROVED EQUAL.</div></div><div><div>11.</div><div>THE GEOTECHNICAL FIELD INVESTIGATION SHOWS THE EXISTENCE OF ROCK AND STRONG SUBSURFACE MATERIAL, CONTRACTOR SHALL MAKE PROVISIONS FOR SUITABLE MEANS OF SHEET PILE INSTALLATION, INCLUDING THE POTENTIAL NEED TO DRILLING OR PUNCHING PRIOR TO SHEET PILE DRIVING.</div></div><div><div>12.</div><div>CONTRACTOR SHALL DEVELOP A PILE PLAN FOR PILING WORK AT STORMWATER PUMP STATIONS FOR ENGINEER AND TOWN APPROVAL. PILE PLAN SHALL CLEARLY DEMONSTRATE THAT BACK FLOW OF TIDAL WATER IS PREVENTED AT ALL TIMES DURING CONSTRUCTION. PUMP STATION SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION.</div></div></div></div>																<div><div>14.</div><div>ALL CONSTRUCTION JOINTS BETWEEN CAST-IN-PLACE CONCRETE AND PRECAST CONCRETE SHALL BE BONDED WITH EPOXY BONDING AGENT APPLIED TO A CLEANED AND ROUGHENED SURFACE OF 1/4" AMPLITUDE.</div></div> <div><div>15.</div><div>PROVIDE CONSTRUCTION JOINTS IN CONCRETE BULKHEAD CAP POURS AT 30' O.C., AT A MINIMUM. CONTINUOUS POUR LENGTH SHALL NOT EXCEED 30'. FRESH CONCRETE SHALL NOT BE PLACED AGAINST HARDENED CONCRETE THAT IS LESS THAN 7 DAYS OLD. CONSTRUCTION JOINTS SHALL INCLUDE 3/4" CHAMFER ON EXPOSED HORIZONTAL AND VERTICAL EDGES. BULKHEAD CAP CONSTRUCTION JOINT CHAMFERS SHALL BE STRAIGHT, PLUMB (VERTICAL EDGES), AND PERPENDICULAR TO BULKHEAD ALIGNMENT (HORIZONTAL EDGES).</div></div> <div><div>16.</div><div>CONTRACTOR SHALL PROVIDE CONSTRUCTION JOINT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.</div></div>																																																																																																																																																																
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5	<div>CONCRETE AND REINFORCING STEEL</div> <div><div><div>1.</div><div>ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH 2019 FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTIONS 346 AND 400.</div></div><div><div>2.</div><div>ALL CONCRETE SHALL BE NORMAL WEIGHT WITH A MINIMUM DENSITY OF 145 PCF.</div></div><div><div>3.</div><div>MATERIALS SHALL CONFORM TO THE FOLLOWING, UNO:<div><div>a.</div><div>CONCRETE COMPRESSIVE STRENGTH (28 DAYS)</div></div><div><div>i.</div><div>CAST-IN-PLACE CONCRETE</div><div>5500 PSI (FDOT CLASS IV)</div></div><div><div>ii.</div><div>EPOXY GROUT</div><div>8000 PSI (FDOT 934)</div></div></div></div><div><div>4.</div><div>ALL CEMENT SHALL CONFORM TO ASTM C150, TYPE II FOR AN EXTREMELY AGGRESSIVE ENVIRONMENT, WITH SILICA FUME OR FLY ASH, SEE FDOT SPECIFICATIONS.</div></div><div><div>5.</div><div>CONCRETE SHALL CONTAIN CORROSION INHIBITING ADMIXTURE, EUCON BCN OR APPROVED EQUIVALENT.</div></div><div><div>6.</div><div>COARSE AGGREGATE SHALL CONFORM TO ASTM C33, NO. 57.</div></div><div><div>7.</div><div>REINFORCING STEEL AND DOWELS SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60, OR ASTM A706, GRADE 60 (UNO). REINFORCING STEEL TO BE WELDED SHALL BE ASTM A706, GRADE 60.</div></div><div><div>8.</div><div>ENVIRONMENTAL CONDITION: EXTREMELY AGGRESSIVE, MINIMUM COVER TO REINFORCING STEEL SHALL BE 3", UNO.</div></div><div><div>9.</div><div>ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4".</div></div><div><div>10.</div><div>CONTRACTOR SHALL REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL.</div></div><div><div>11.</div><div>ALL CONCRETE WORK, PLACEMENT MEANS, AND METHODS SHALL BE IN ACCORDANCE WITH ACI 304-10, 308-01, 308.1-11, AND 347R-03.</div></div><div><div>12.</div><div>ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315-99. REINFORCING STEEL SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO USE IN CONSTRUCTION.</div></div><div><div>13.</div><div>ALL REINFORCING BAR SPLICES AND HOOKS SHALL BE IN ACCORDANCE WITH ACI 318-14. ALL WELDING OF REINFORCED STEEL SHALL CONFORM TO AWS D1.4. REQUIRED SPlice LENGTHS FOR CLASS B SPLICES ARE SHOWN BELOW. ALL SPLICES SHALL BE CONSIDERED CLASS B UNLESS OTHERWISE NOTED ON THE DRAWINGS.</div></div></div> <div><div>LAP SPLICES OF REINFORCING BARS</div><div>F'c = 5,500 psi</div><table><tr><th>BAR SIZE</th><th>LAP CLASS</th><th>TOP BARS</th><th>BOTTOM BARS</th></tr><tr><td>3</td><td>B</td><td>21</td><td>16</td></tr><tr><td>4</td><td>B</td><td>29</td><td>22</td></tr><tr><td>5</td><td>B</td><td>36</td><td>27</td></tr><tr><td>6</td><td>B</td><td>42</td><td>32</td></tr><tr><td>7</td><td>B</td><td>62</td><td>47</td></tr><tr><td>8</td><td>B</td><td>69</td><td>53</td></tr><tr><td>9</td><td>B</td><td>78</td><td>60</td></tr><tr><td>10</td><td>B</td><td>86</td><td>66</td></tr></table></div>																BAR SIZE	LAP CLASS	TOP BARS	BOTTOM BARS	3	B	21	16	4	B	29	22	5	B	36	27	6	B	42	32	7	B	62	47	8	B	69	53	9	B	78	60	10	B	86	66	<div><div>14.</div><div>ALL STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AISC 360-10 FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.</div></div> <div><div>2.</div><div>ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH 2019 FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 962.</div></div> <div><div>3.</div><div>ALL WELDING SHALL CONFORM TO AWS D1.1.</div></div> <div><div>4.</div><div>STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING, UNO:<div><div>a.</div><div>MISC. PLATES, BARS, AND SHAPES</div><div>ASTM A36, GALV, UNO</div></div><div><div>b.</div><div>BOLTS</div><div>ASTM A307, GALV, UNO</div></div><div><div>c.</div><div>NUTS</div><div>ASTM A563, GALV, UNO</div></div><div><div>d.</div><div>WASHERS</div><div>ASTM F436, GALV, UNO</div></div><div><div>e.</div><div>STEEL PIPE PILE</div><div>ASTM A572, GRADE 50</div></div><div><div>f.</div><div>STEEL SHEET PILE</div><div>ASTM A572, GRADE 60</div></div><div><div>g.</div><div>STEEL REBAR RACK</div><div>ASTM A36</div></div><div><div>h.</div><div>STEEL REBAR RACK TABS</div><div>ASTM A36</div></div></div></div> <div><div>5.</div><div>STEEL PIPE PILE SHALL BE SEAMLESS, LONGITUDINAL, OR HELICAL WELDED PIPE CONFORMING TO THE REQUIREMENTS OF API 5L GRADE L320, X46 OR HIGHER, OR ASTM A252 GRADE 3. PROVIDE LONGITUDINAL OR HELICAL WELDED PIPE WITH ONLY COMPLETE JOINT PENETRATION WELDS CONFORMING TO THE REQUIREMENTS OF API 5L OR AWS D1.1.</div></div> <div><div>6.</div><div>ALL STEEL SHAPES, PLATES, OTHER FABRICATIONS, AND ALL HARDWARE INDICATED SHALL BE ZINC-COATED OR GALVANIZED BY THE HOT-DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A123 AND/OR ASTM A153, AS APPLICABLE. AFTER FABRICATION, UNO. STEEL SHEET PILE AND STEEL PIPE PILE NEED NOT BE GALVANIZED, REFER TO BULKHEAD COATING REQUIREMENTS.</div></div> <div><div>7.</div><div>FIELD TREAT DAMAGED GALVANIZED STEEL FINISH WITH TWO COATS OF HIGH ZINC DUST OXIDE PAINT. COLD GALVANIZED COMPOUNDS OR APPROVED EQUAL, CONFORMING TO THE REQUIREMENTS OF ASTM A780. IN ADDITION, ALL EXPOSED THREADED SURFACES SHALL BE PAINTED WITH TWO COATS OF HIGH ZINC OXIDE PAINT AFTER INSTALLATION OF THE NUT.</div></div>																																																																																																																												
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14.

ALL CONSTRUCTION JOINTS BETWEEN CAST-IN-PLACE CONCRETE AND PRECAST CONCRETE SHALL BE BONDED WITH EPOXY BONDING AGENT APPLIED TO A CLEANED AND ROUGHENED SURFACE OF 1/4" AMPLITUDE.

15.

PROVIDE CONSTRUCTION JOINTS IN CONCRETE BULKHEAD CAP POURS AT 30' O.C., AT A MINIMUM. CONTINUOUS POUR LENGTH SHALL NOT EXCEED 30'. FRESH CONCRETE SHALL NOT BE PLACED AGAINST HARDENED CONCRETE THAT IS LESS THAN 7 DAYS OLD. CONSTRUCTION JOINTS SHALL INCLUDE 3/4" CHAMFER ON EXPOSED HORIZONTAL AND VERTICAL EDGES. BULKHEAD CAP CONSTRUCTION JOINT CHAMFERS SHALL BE STRAIGHT, PLUMB (VERTICAL EDGES), AND PERPENDICULAR TO BULKHEAD ALIGNMENT (HORIZONTAL EDGES).

16.

CONTRACTOR SHALL PROVIDE CONSTRUCTION JOINT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.

STRUCTURAL STEEL

1.

ALL STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AISC 360-10 FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

2.

ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH 2019 FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 962.

3.

ALL WELDING SHALL CONFORM TO AWS D1.1.

4.

STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING, UNO:

a.

MISC. PLATES, BARS, AND SHAPES

ASTM A36, GALV, UNO

b.

BOLTS

ASTM A307, GALV, UNO

c.

NUTS

ASTM A563, GALV, UNO

d.

WASHERS

ASTM F436, GALV, UNO

e.

STEEL PIPE PILE

ASTM A572, GRADE 50

f.

STEEL SHEET PILE

ASTM A572, GRADE 60

g.

STEEL REBAR RACK

ASTM A36

h.

STEEL REBAR RACK TABS

ASTM A36

5.

STEEL PIPE PILE SHALL BE SEAMLESS, LONGITUDINAL, OR HELICAL WELDED PIPE CONFORMING TO THE REQUIREMENTS OF API 5L GRADE L320, X46 OR HIGHER, OR ASTM A252 GRADE 3. PROVIDE LONGITUDINAL OR HELICAL WELDED PIPE WITH ONLY COMPLETE JOINT PENETRATION WELDS CONFORMING TO THE REQUIREMENTS OF API 5L OR AWS D1.1.

6.

ALL STEEL SHAPES, PLATES, OTHER FABRICATIONS, AND ALL HARDWARE INDICATED SHALL BE ZINC-COATED OR GALVANIZED BY THE HOT-DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A123 AND/OR ASTM A153, AS APPLICABLE. AFTER FABRICATION, UNO. STEEL SHEET PILE AND STEEL PIPE PILE NEED NOT BE GALVANIZED, REFER TO BULKHEAD COATING REQUIREMENTS.

7.

FIELD TREAT DAMAGED GALVANIZED STEEL FINISH WITH TWO COATS OF HIGH ZINC DUST OXIDE PAINT, COLD GALVANIZED COMPOUNDS OR APPROVED EQUAL, CONFORMING TO THE REQUIREMENTS OF ASTM A780. IN ADDITION, ALL EXPOSED THREADED SURFACES SHALL BE PAINTED WITH TWO COATS OF HIGH ZINC OXIDE PAINT AFTER INSTALLATION OF THE NUT.

STORMWATER PUMPSTATION PIPE SPOOL EXTENSIONS

1.

SEE SHEET C-001 FOR NOTES REGARDING STORMWATER PUMPSTATION DEMOLITION PROCEDURES AND OPERATION REQUIREMENTS.

2.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING STORMWATER PUMPSTATION PIPE INFRASTRUCTURE SIZES AND DIMENSIONS.

3.

CONTRACTOR TO PROVIDE SUFFICIENT SIZE AND LENGTH TO EXTEND EXISTING PIPES THROUGH NEW BULKHEAD, AS SHOWN ON THE DRAWINGS.

4.

PIPE SPOOL EXTENSION MATERIAL SHALL BE:

a.

30" & 16" DUCTILE IRON PIPE (DIP)

ANSI/AWWA C150 & A21.50/ANSI/AWWA C151/A21.51, GRADE B (35 KSI)

b.

36" 316 STAINLESS STEEL

ASTM A312, GRADE B (35 KSI)

c.

WATERPLUG

BASF MASTERSEAL 590

5.

BOLTED CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS USING 3/4" DIA. A325 BOLTS WITH STANDARD 1 1/8" DIA. HOLES, UNLESS OTHERWISE NOTED, OR NEEDED TO MATCH EXISTING.

6.

WELDED CONNECTIONS SHALL BE DONE IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS BY CERTIFIED WELDERS. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.

7.

ANNULUS AROUND PIPE SPOOL EXTENSIONS (BETWEEN CONCRETE AND DIP/ STAINLESS STEEL PIPE) SHALL BE SEALED WATER-TIGHT WITH WATERPLUG AFTER PIPE IS INSTALLED.

8.

EXISTING AIR RELEASE VALVES SHALL BE PRESERVED AND PROTECTED (OR MOVED AND REPLACED IN-KIND AS REQUIRED).

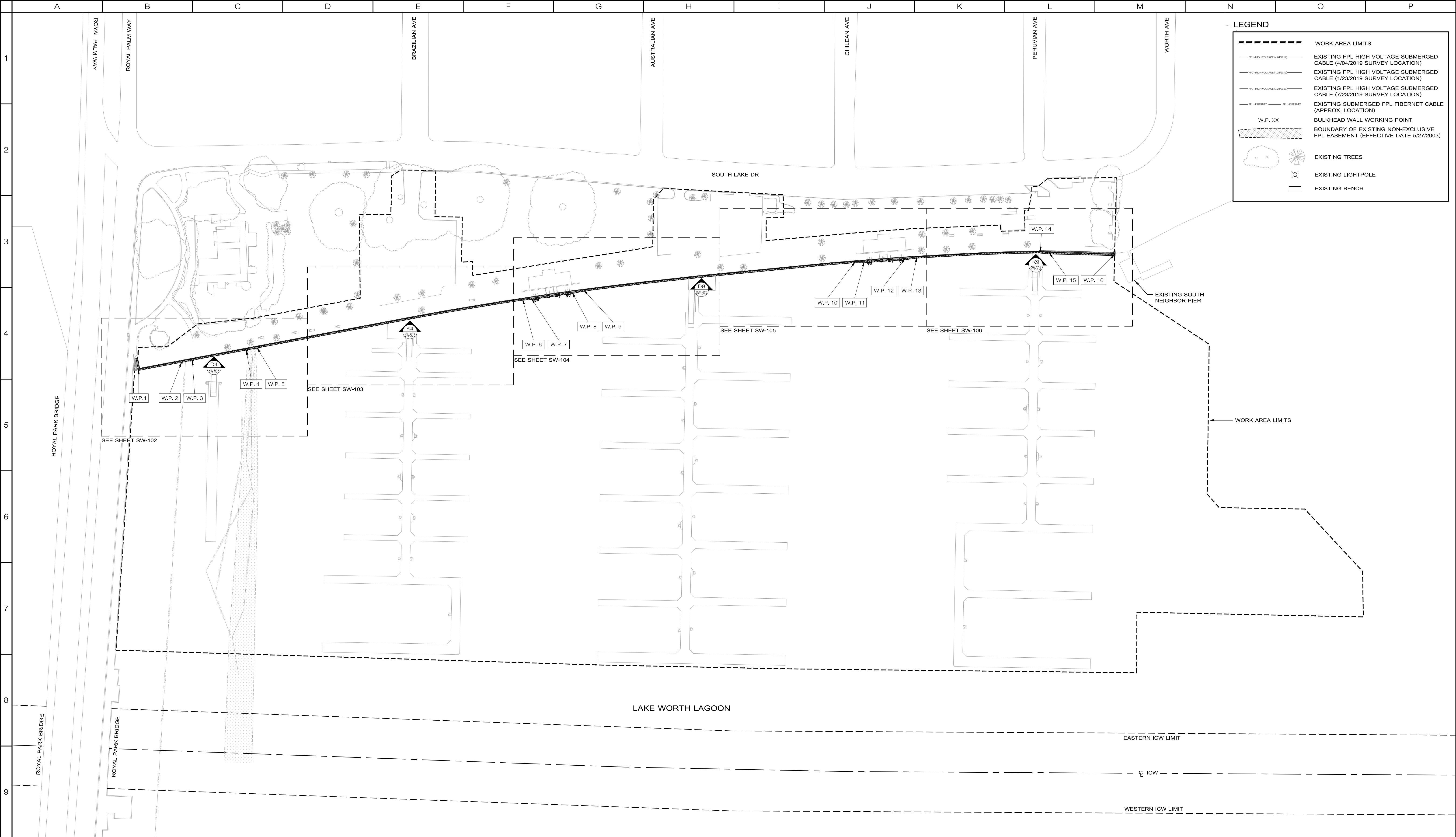
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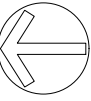
EXISTING TIDE FLEX VALVES AND FLAP GATES SHALL BE REMOVED AND REINSTALLED ON NEW PIPE SPOOL EXTENSION).

10.

ALL EXISTING (ABANDONED) DIP OUTFALL PIPE THAT CONFLICTS WITH PROPOSED BULKHEAD IMPROVEMENTS SHALL BE CUT, REMOVED AND RESEALED.







  
0 70 140 Feet  
SCALE = 1:70 (FULL SIZE PLOT - ANSI D)  
SCALE = 1:140 (HALF SIZE PLOT - ANSI B)

REVISIONS															
(PH) PHASE OF ISSUE:		(A) PRELIMINARY		(B) DESIGN		(C) PERMIT		(D) TENDER		(E) CONSTRUCTION		(F) RECORD			
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D	--	ISSUED FOR BID	MM	RPA	GGT		2019-09-17								

PREPARED FOR:



PREPARED BY:



TOWN MARINA PROJECT

BULKHEAD WALL - OVERALL PLAN

ISSUE NUMBER: D-01

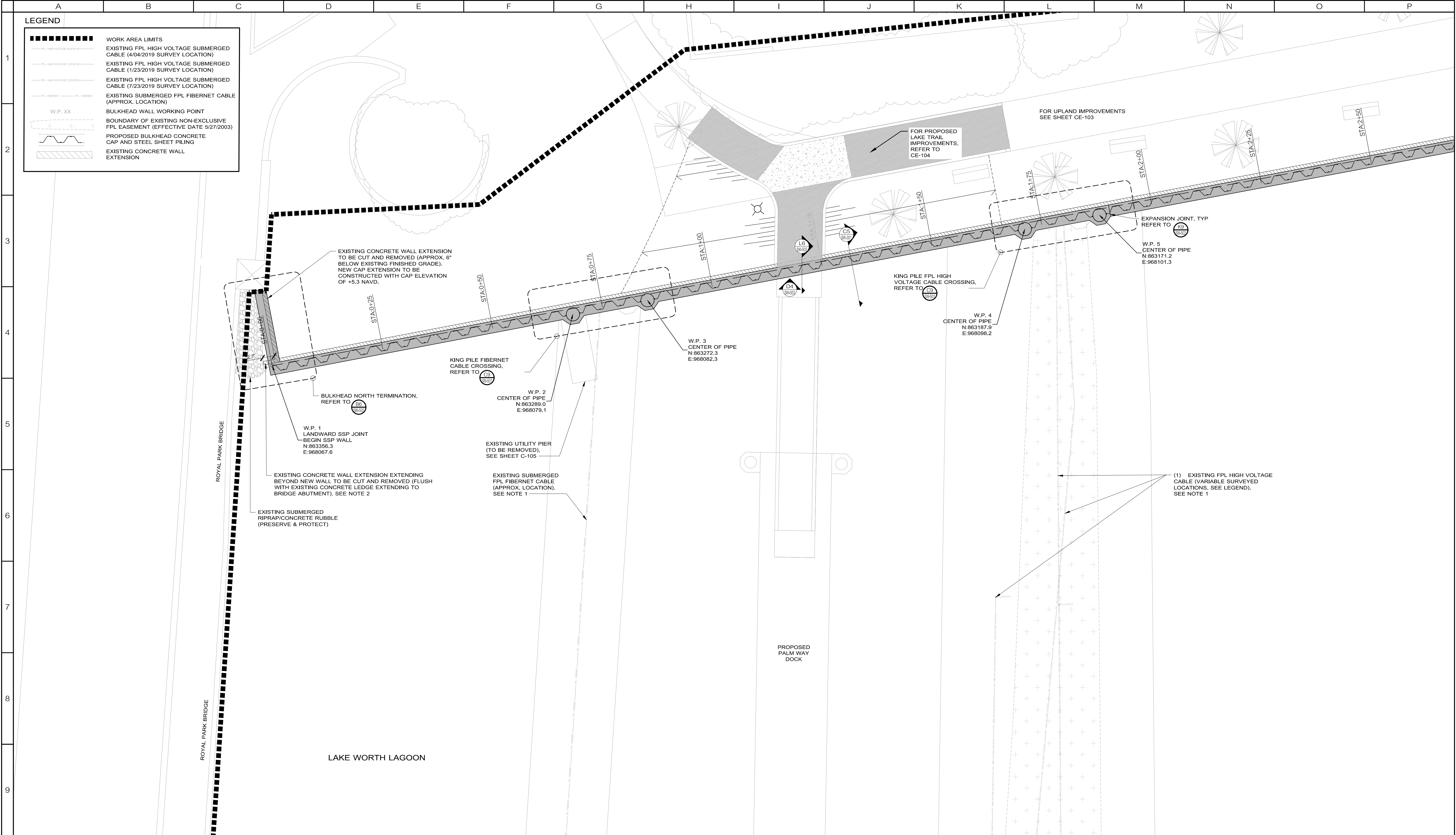
ISSUE DATE: 2019-09-17

PROJECT NUMBER: 12717.201

SHEET NUMBER: SW-101

PLOT PAPER SIZE: ANSI D - 22.00 X 34.00 INCHES





0 10 20 Feet  
SCALE = 1:10 (FULL SIZE PLOT - ANSI D)  
SCALE = 1:20 (HALF SIZE PLOT - ANSI B)

NOTES:

1. CONTRACTOR SHALL VERIFY UTILITY LOCATIONS. ALL NEW FOUNDATION PILING SHALL BE A MINIMUM OF 5 FEET FROM EXISTING UTILITIES. CONTRACTOR SHALL EXERCISE CAUTION WHEN DRIVING PILES NEAR SUBSEA UTILITY CROSSINGS.

2. IF REBAR IS EXPOSED AFTER CUTTING, REPAIR EXISTING STRUCTURE ACCORDING TO DETAIL F9 SHEET SW-502.

REVISIONS															
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PREPARED FOR:

PREPARED BY:

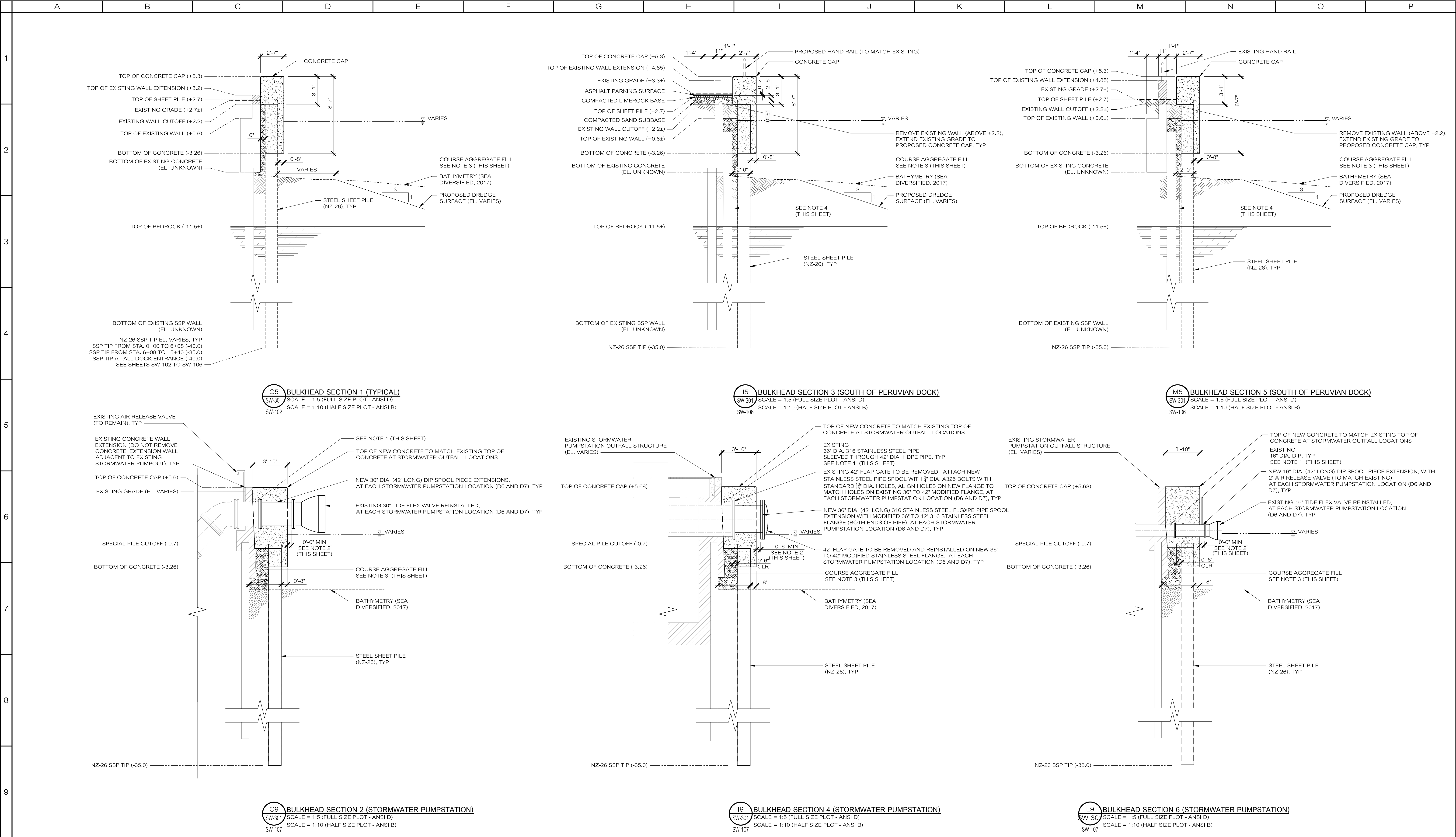
TOWN MARINA PROJECT

BULKHEAD WALL - STA 0+00 TO 2+69

ISSUE NUMBER: D-01	ISSUE DATE: 2019-09-17	SHEET NUMBER: SW-102
PROJECT NUMBER: 12717.201		

PLOT PAPER SIZE: ANSI D - 22.00 X 34.00 INCHES







NOTES:  
1. EXISTING STRUCTURE DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.  
2. CONTRACTOR TO PROVIDE SUFFICIENT CLEARANCE TO INSTALL VALVES AND FLAP GATES.  
3. FILL GAP BETWEEN EXISTING AND NEW BULKHEAD WITH CLEAN #5 COURSE AGGREGATE, PER FDOT SECTION 901.  
4. ADDITIONAL DEMOLITION OF HISTORIC STRUCTURAL IMPROVEMENTS TO BULKHEAD MAY BE REQUIRED NEAR TOE OF EXISTING BULKHEAD (SOUTH OF EXISTING PERUVIAN DOCK), SEAWARD OF EXISTING BULKHEAD.  
5. REFER TO SHEET SW-001 FOR ADDITIONAL SPOIL PIPE DETAILS.

REVISIONS															
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PREPARED FOR:



PREPARED BY:



TOWN MARINA PROJECT

BULKHEAD SECTIONS

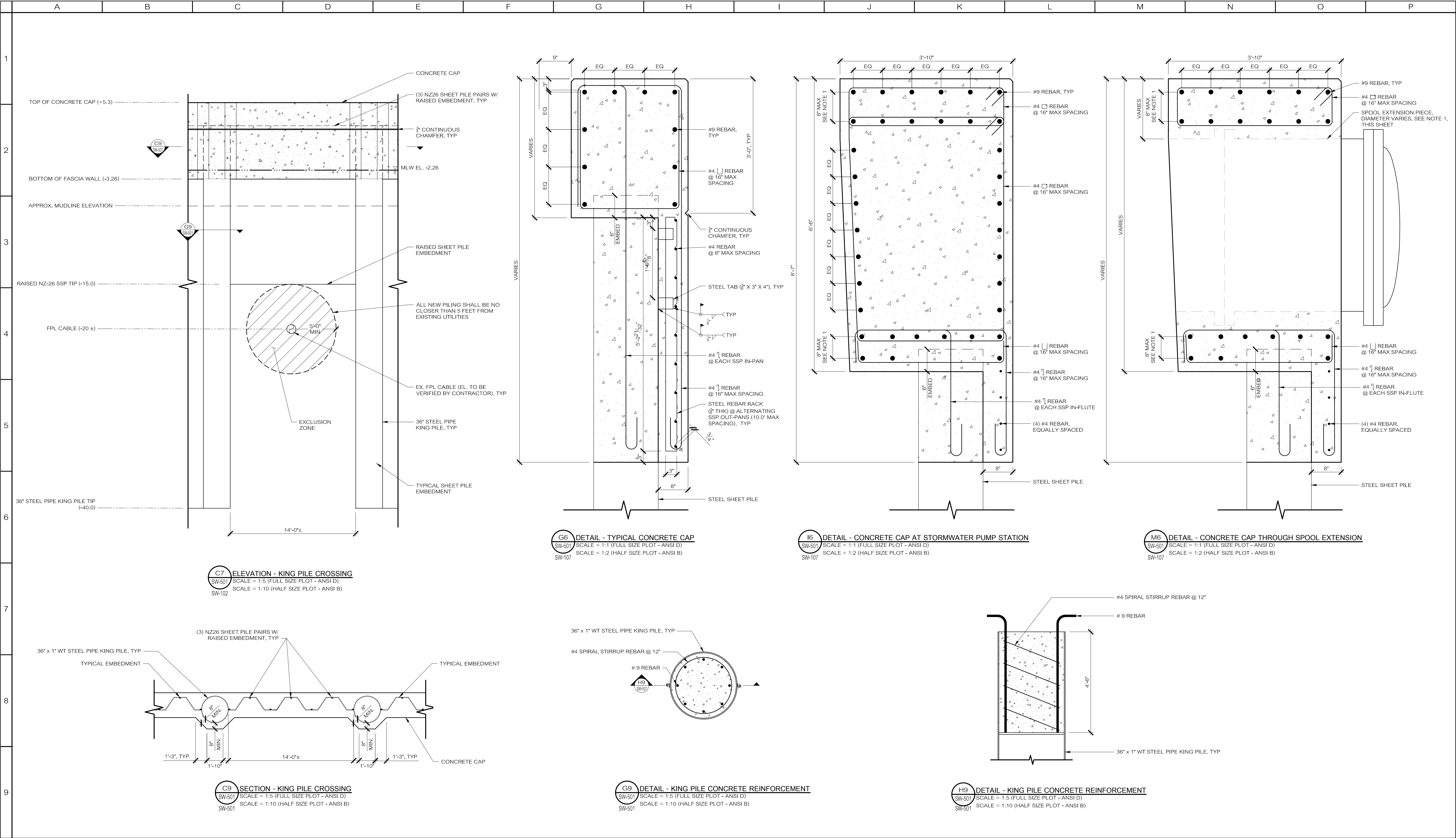
ISSUE NUMBER: D-01



ISSUE DATE: 2019-09-17

PROJECT NUMBER: 12717.201

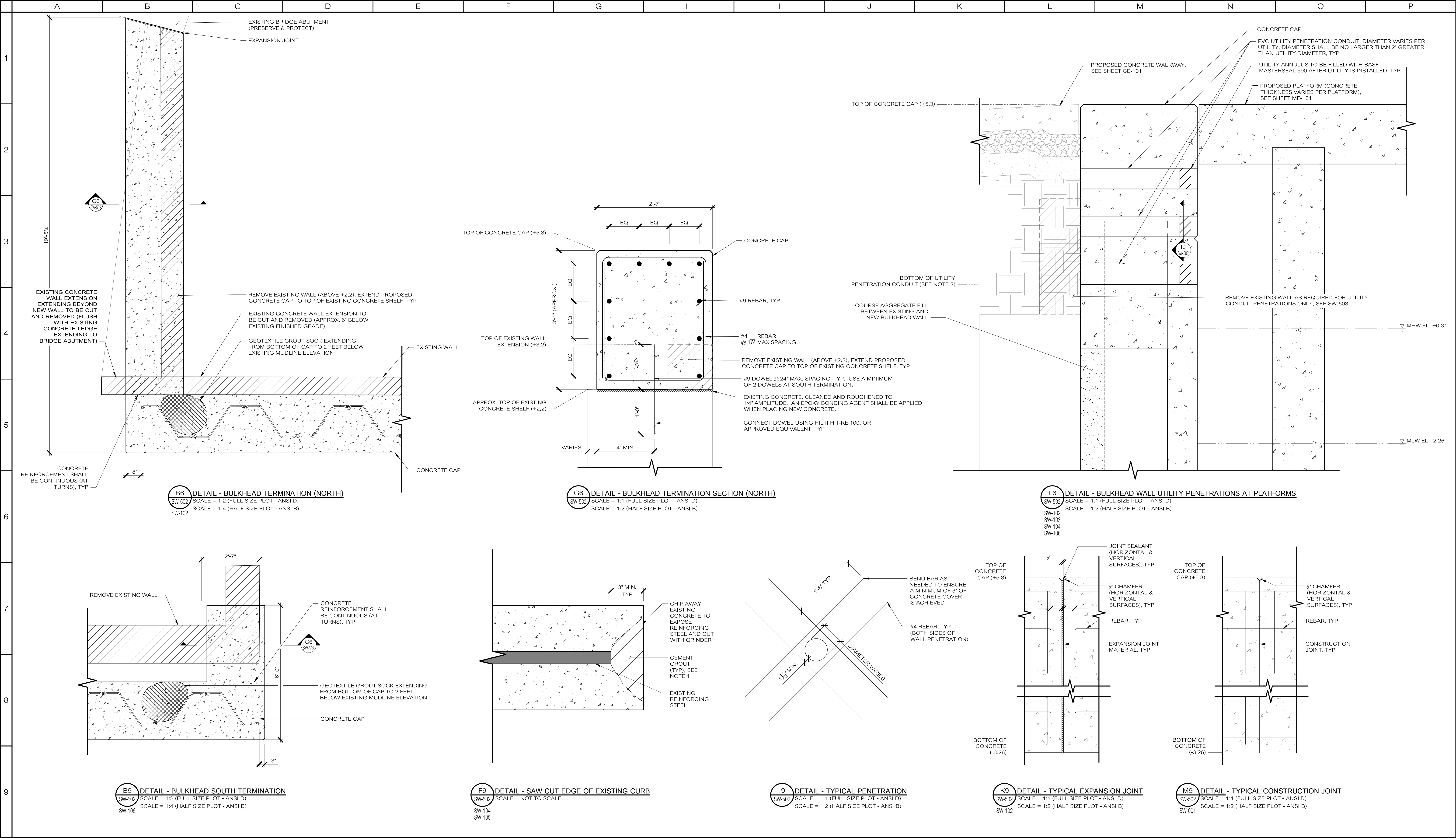
SHEET NUMBER: SW-301


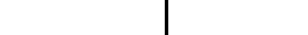
PLOT PAPER SIZE: ANSI D - 22.00 X 34.00 INCHES



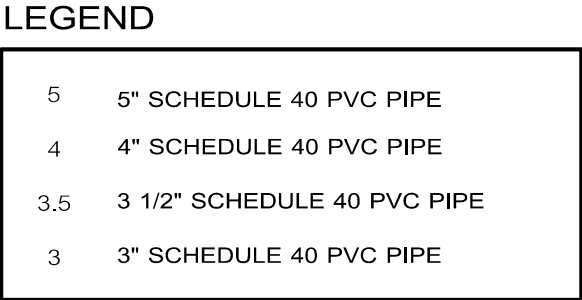
	NOTES: 1. ADDITIONAL REBAR MAY BE REQUIRED AT SPOOL PIECE EXTENSIONS SUCH THAT 8" MAX SPACING IS ACHIEVED.	REVISIONS																PREPARED FOR: 	PREPARED BY: 	TOWN MARINA PROJECT		
		BULKHEAD WALL DETAILS (SHEET 1 OF 3)																				
		ISSUE NUMBER: D-01																		ISSUE DATE: 2019-09-17	SHEET NUMBER: SW-501	
		PROJECT NUMBER: 12717.201																				





<div>NOTES:</div> <div><div>1. CEMENT GROUT SHALL MEET FDOT SECTION 930 REQUIREMENTS FOR CONCRETE REPAIR FOR PREDOMINANTLY VERTICAL SURFACES - HIGH PERFORMANCE. CEMENT GROUT MATERIAL SHALL BE FROM FDOT APPROVED PRODUCTS LIST (APL).</div><div>2. LOCATE WALL PENETRATIONS AS REQUIRED. PROVIDE SUFFICIENT SPACE BETWEEN PENETRATIONS SUCH THAT 6 INCHES OF CONCRETE IS ACHIEVED.</div></div>	<div>REVISIONS</div> <table><tr><th colspan="2">(PH) PHASE OF ISSUE:</th><th colspan="4">(A) PRELIMINARY</th><th colspan="4">(B) DESIGN</th><th colspan="4">(C) PERMIT</th><th colspan="4">(D) TENDER</th><th colspan="4">(E) CONSTRUCTION</th><th colspan="4">(F) RECORD</th></tr><tr><th>PH</th><th>REV</th><th colspan="4">DESCRIPTION</th><th>DRN</th><th>DSN</th><th>APR</th><th>QCM</th><th>YYYY-MM-DD</th><th>PH</th><th>REV</th><th colspan="4">DESCRIPTION</th><th>DRN</th><th>DSN</th><th>APR</th><th>QCM</th><th>YYYY-MM-DD</th></tr><tr><td>D</td><td>--</td><td colspan="4">ISSUED FOR BID</td><td>MM</td><td>KMJ</td><td>GGT</td><td></td><td>2019-09-17</td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="4"></td><td></td><td></td><td></td><td></td><td></td></tr></table>																(PH) PHASE OF ISSUE:		(A) PRELIMINARY				(B) DESIGN				(C) PERMIT				(D) TENDER				(E) CONSTRUCTION				(F) RECORD				PH	REV	DESCRIPTION				DRN	DSN	APR	QCM	YYYY-MM-DD	PH	REV	DESCRIPTION				DRN	DSN	APR	QCM	YYYY-MM-DD	D	--	ISSUED FOR BID				MM	KMJ	GGT		2019-09-17																																																																																																																																																																																												<div>PREPARED FOR:</div> <div></div>	<div>PREPARED BY:</div> <div></div>	<div>TOWN MARINA PROJECT</div> <div>BULKHEAD WALL DETAILS (SHEET 2 OF 3)</div> <div><div><div>ISSUE NUMBER:</div><div>D-01</div></div><div><div>ISSUE DATE:</div><div>2019-09-17</div></div><div><div>SHEET NUMBER:</div><div>SW-502</div></div></div> <div><div>PROJECT NUMBER:</div><div>12717.201</div></div>			
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NOTES:

1. CEMENT GROUT SHALL MEET FDOT SECTION 930 REQUIREMENTS FOR CONCRETE REPAIR FOR PREDOMINANTLY VERTICAL SURFACES - HIGH PERFORMANCE. CEMENT GROUT MATERIAL SHALL BE FROM FDOT APPROVED PRODUCTS LIST (APL).
2. LOCATE WALL PENETRATIONS AS REQUIRED. PROVIDE SUFFICIENT SPACE BETWEEN PENETRATIONS SUCH THAT 6 INCHES OF CONCRETE IS ACHIEVED.
3. ADDITIONAL WALL PENETRATIONS INCLUDING THOSE NOT LOCATED ADJACENT TO GANGWAY APPROACH RAMP (I.E. AC) SHALL BE CONSTRUCTED USING METHODOLOGY SHOWN ON THIS SHEET.

[illegible]

PREPARED FOR:



PREPARED BY:

# Baird.

TOWN MARINA PROJECT		
BULKHEAD WALL DETAILS (SHEET 3 OF 3)		
ISSUE NUMBER: D-01	ISSUE DATE: 2019-09-17	SHEET NUMBER: SW-503
PROJECT NUMBER: 12717.201		

PLOT PAPER SIZE: ANSI D - 22.00 X 34.00 INCHES

SECTION NO.: 93280  
PERMIT NO.: 2019-C-496-00006  
LOCATION: The Town of Palm Beach  
S.R. No.: SR 704/Okeechobee Blvd. @  
Royal Park Bridge  
Agreement #: 20200113-1

## EXHIBIT C

### MAINTENANCE PLAN REQUIREMENTS

The **AGENCY** shall submit to the **DEPARTMENT** a maintenance plan detailing the means and methods for accomplishing repairs to the IMPROVEMENTS in accordance with all **DEPARTMENT** Standards, Procedures and Specifications. This plan must be submitted and approved by the **DEPARTMENT** prior to commencing any maintenance or repair activities. The plan should at minimum detail how the **AGENCY** will address the following:

1. Providing for continuous traffic control and necessary traffic control devices as required for the safe movement of traffic of vehicular and pedestrian traffic past the location of the structure being repaired for the duration of the repair in accordance with **DEPARTMENT** Standards, Procedures and Specifications.
2. Protection of adjacent surrounding property, real estate, vehicles, pedestrians, attachments to the light poles, or other assets during the preparation and recoating of surfaces.
3. Containment of debris or materials used in or resulting from the repair.

After the maintenance plan is approved, the **AGENCY** shall submit a work plan to the **DEPARTMENT** for approval prior to each repair to be performed detailing:

1. The proposed date of the repair
2. The location of the repair
3. The nature of the repair
4. The materials to be used for the repair
5. The methods to be used for the repair

**RESOLUTION NO. 154-2019**

A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF PALM BEACH, PALM BEACH COUNTY, FLORIDA, APPROVING A CONSTRUCTION AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FOR WORK ASSOCIATED WITH THE TOWN MARINA PROJECT TO BE CONSTRUCTED WITHIN THE FDOT RIGHT-OF-WAY.

\* \* \* \* \*


BE IT RESOLVED BY THE TOWN COUNCIL of the Town of Palm Beach, Palm Beach County, Florida as follows:

Section 1. The Town Council of the Town of Palm Beach hereby approves a Construction Agreement between the Florida Department of Transportation (FDOT) and the Town of Palm Beach for construction of improvements within the FDOT right-of-way that are associated with the Town Marina project.

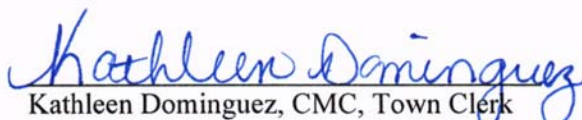
Section 2. The Town Manager, or his designee, is hereby authorized to execute a Construction Agreement on behalf of the Town of Palm Beach for these improvements.

Section 3. The Town Manager, or his designee, is hereby authorized to take such further actions as may be necessary to effectuate the completion of the said project, and to act as the Construction Coordinator as defined in the Construction Agreement.

**PASSED AND ADOPTED** in a regular, adjourned session of the Town Council of the Town of Palm Beach assembled this 10<sup>th</sup> day of December, 2019.

  
Gail L. Coniglio, Mayor

ATTEST:

  
Kathleen Dominguez, CMC, Town Clerk