



March 23, 2023

Ms. Cindy Mulkey
Deputy Director
Office of Siting Coordination
Department of Environmental Protection
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

Re: **FPL Lauderdale Plant - Dania Beach Energy Center (PA89-26A2)**
Post-Certification Amendment Request
Discharge Canal Oil Boom Installation

Dear Ms. Mulkey:

Florida Power & Light Company (FPL) is requesting a post-certification amendment to Site Certification No. PA 89-26A2 for FPL's Lauderdale Plant - Dania Beach Energy Center (DBEC), pursuant to Section 403.5113(1)(a), Florida Statutes, and Rule 62-17.205(1)(A) Florida Administrative Code. This request is for the installation of an oil boom structure (project) that will span the discharge canal at DBEC.

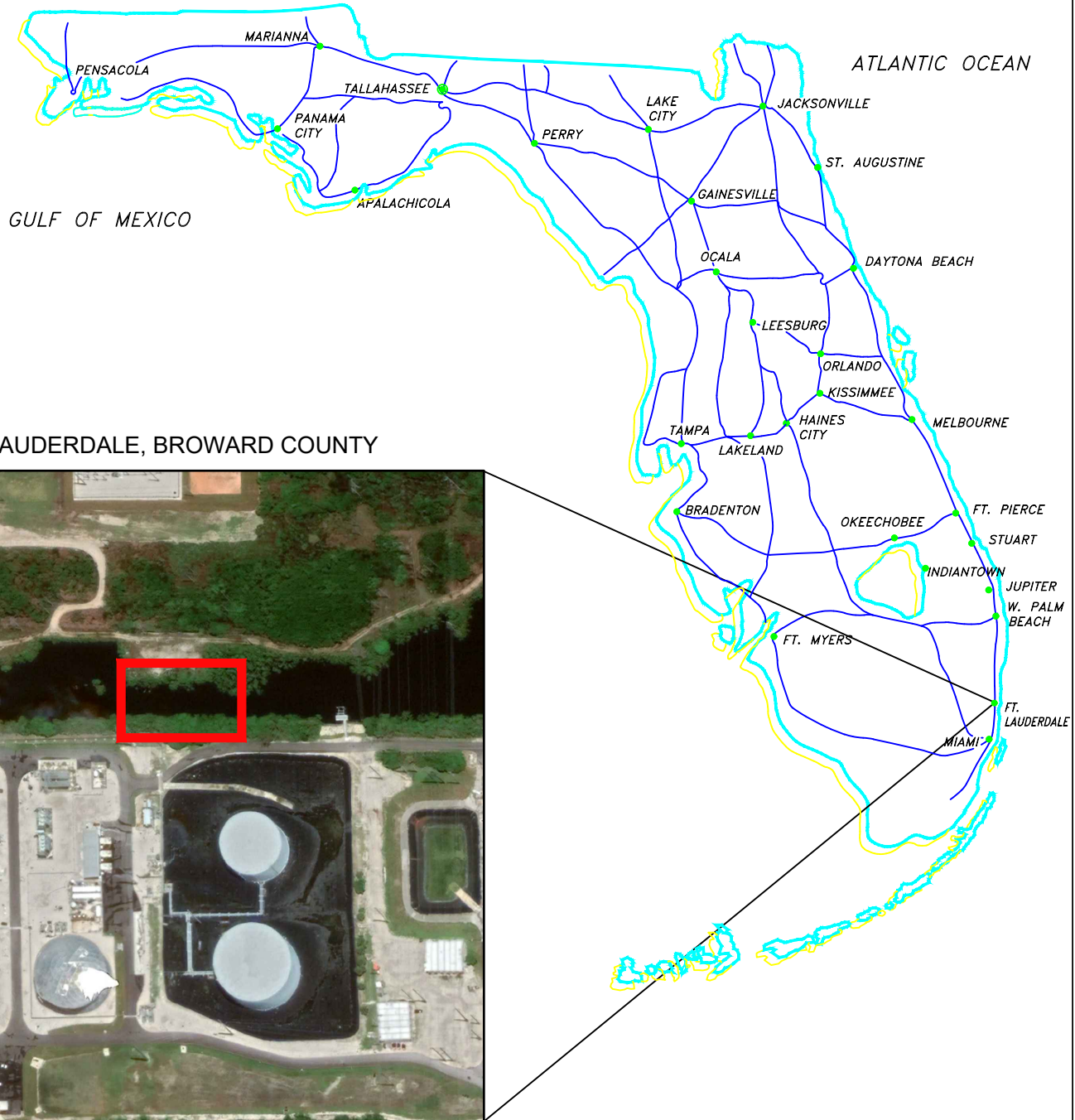
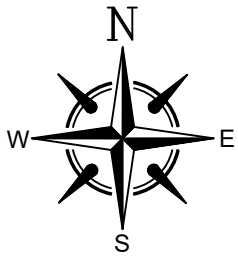
The project consists of installing a 75-foot floating dock, supported by six (6) 16-inch steel piles across the existing power plant discharge canal. The dock will have a deployable oil boom attached to the bottom with polyethylene floats and a polyvinyl chloride (PVC) bumper in front of each float. Two concrete revetments (north and south of canal) with sheet pile walls will be constructed and installed in the uplands connecting the dock to the sides of the canal. Approximately 16 cubic yards of material will be excavated to accommodate the floating dock. The project also consists of filling approximately 158 cubic yards in the uplands for the concrete revetments; fabric formed concrete filter point will also be used upstream and downstream of concrete revetments for erosion control.

Thank you for your attention to and consideration of FPL's request to amend the Site Certification for the DBEC. If you have any questions regarding this submittal, please do not hesitate to contact me at 561-691-7068 or Kennard.proctorjr@fpl.com.

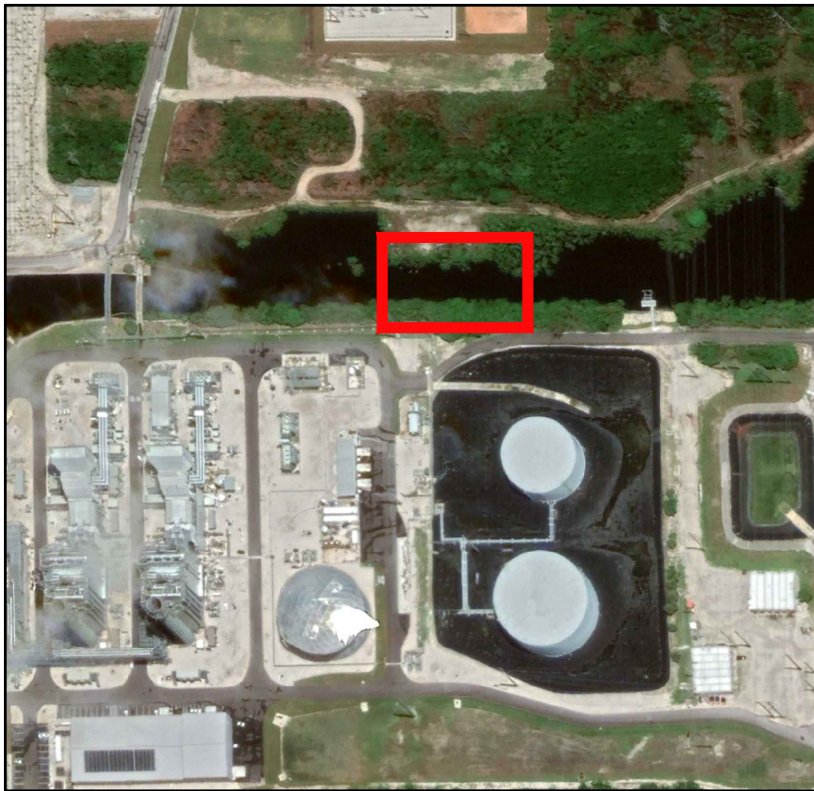
Sincerely,
FLORIDA POWER & LIGHT COMPANY

A handwritten signature in blue ink, appearing to read 'Ken Proctor', is written over the company name.

Ken Proctor
Sr. Project Manager, PMP
Attachments: FPL Oil Boom Design Drawings



FORT LAUDERDALE, BROWARD COUNTY



3898 SW 43rd CT, FORT LAUDERDALE, FL 33312

SITE LOCATION MAP

STATE OF FLORIDA
NOT TO SCALE

SECTION: 30
TOWNSHIP: 50 S
RANGE: 42 E

LATITUDE : 26.070244 N; 26° 04' 12.88" N
LONGITUDE : 80.196314 W; 80° 11' 46.73" W

CLIENT: FLORIDA POWER & LIGHT

PROJECT: FT LAUDERDALE PLANT OIL BOOM

SHEET: COVER - LOCATION MAP

FIGURE #: 1 OF 9

DATE: JANUARY 2023

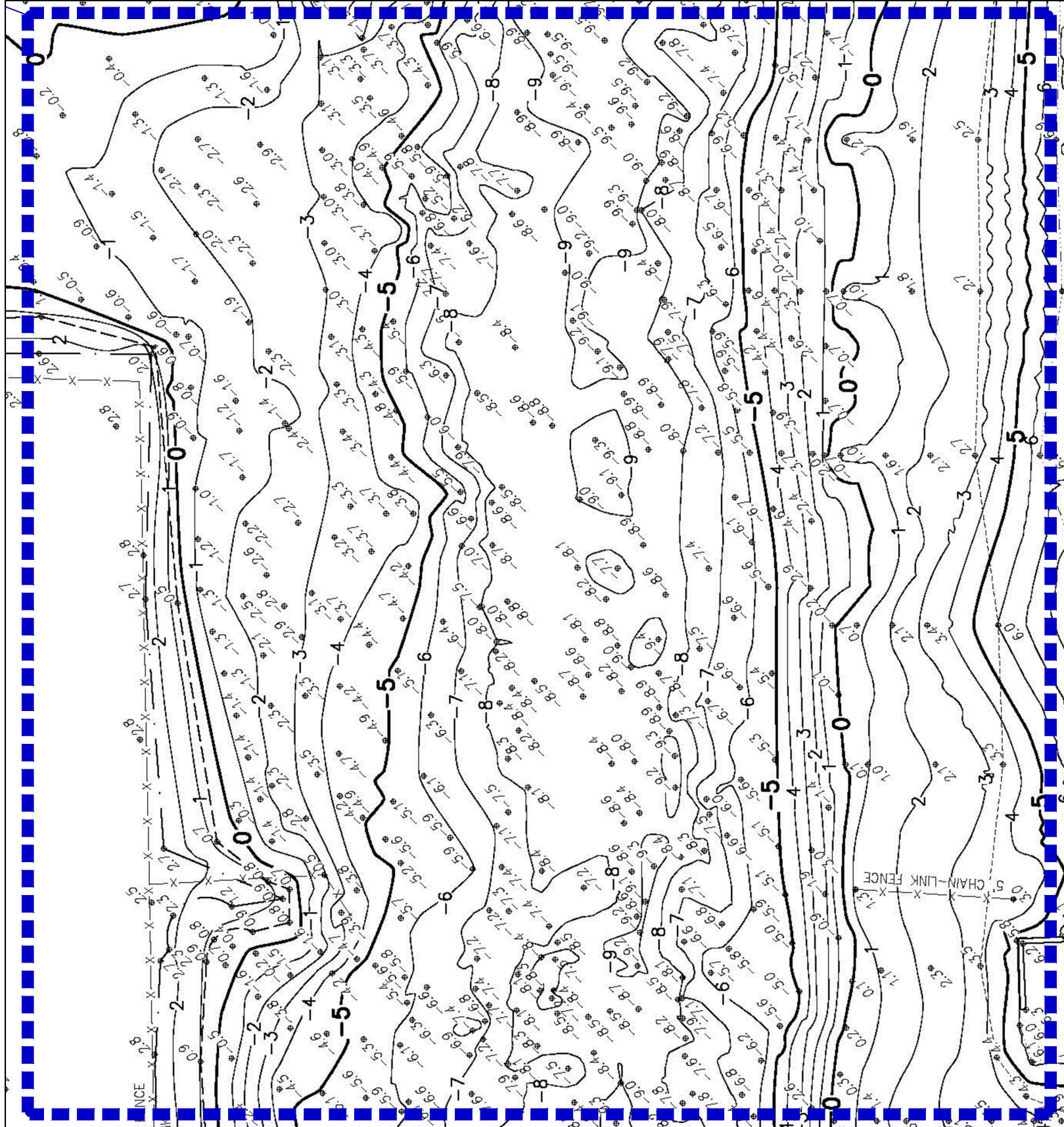
REVISED: -

CUTCHER & ASSOCIATES, INC.
COASTAL ENGINEERS

725 N HIGHWAY A1A
SUITE D101
JUPITER, FLORIDA 33477
VOICE: (561) 748-6745
EMAIL: depth@gate.net

P.E. NO: 50722
AUTH.CERT.NO.: 8641





SITE SURVEY - AVIROM & ASSOCIATES, INC. - 11/28/2022

SCALE - 1:180

CLIENT: FLORIDA POWER & LIGHT

PROJECT: FT LAUDERDALE PLANT OIL BOOM

SHEET: SITE SURVEY - AVIROM & ASSOC., INC. -
11/28/2022 - TOPOGRAPHIC & BATHYMETRIC

FIGURE #: 3 OF 9

DATE: JANUARY 2023

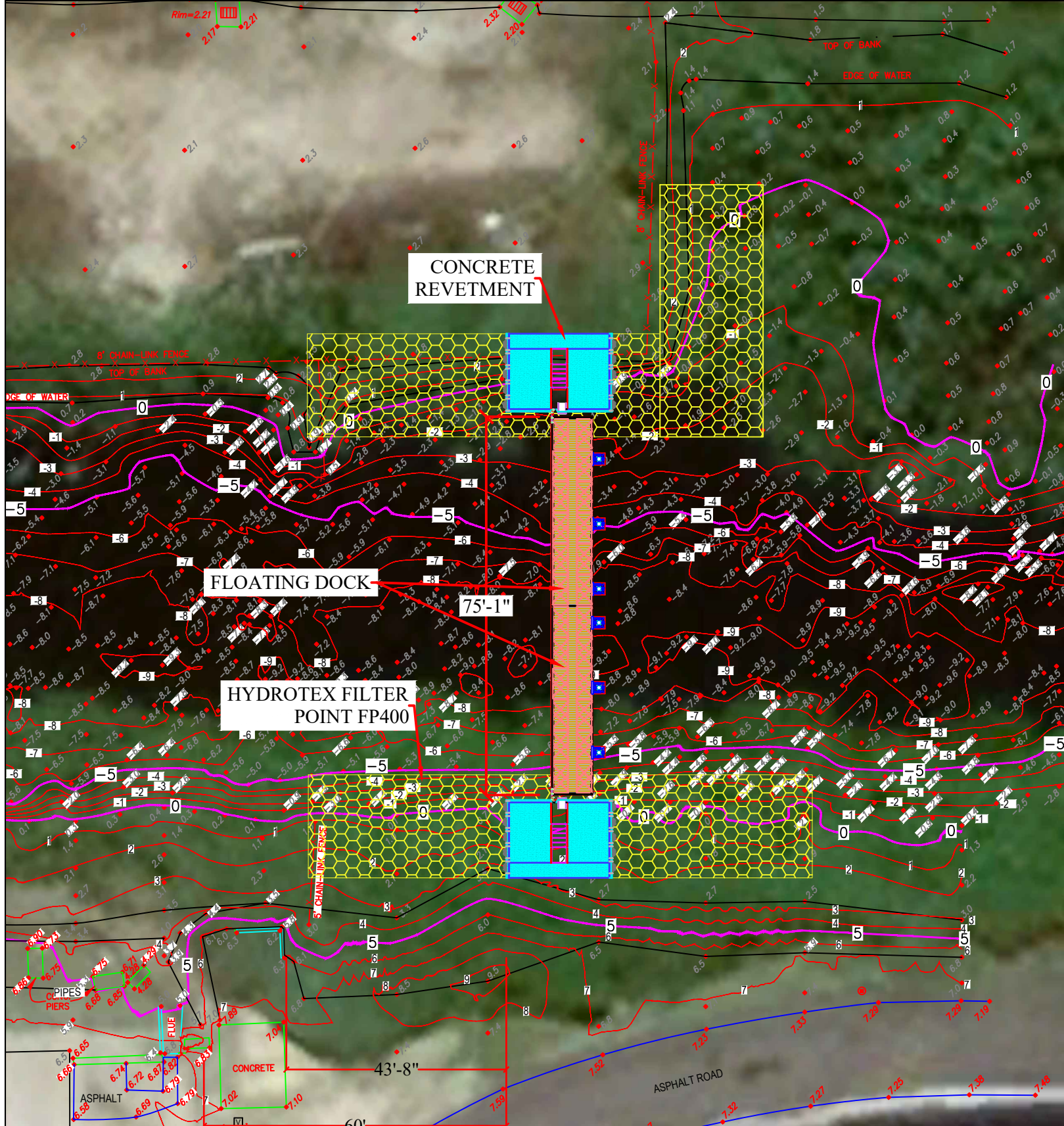
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P1 PLAN VIEW - SITE PLAN W/SURVEY
SCALE - 1:320

CLIENT: FLORIDA POWER & LIGHT

PROJECT: FT LAUDERDALE PLANT OIL BOOM

SHEET: PLAN VIEW - SITE PLAN W/SURVEY

FIGURE #: 4 OF 9

DATE: JANUARY 2023

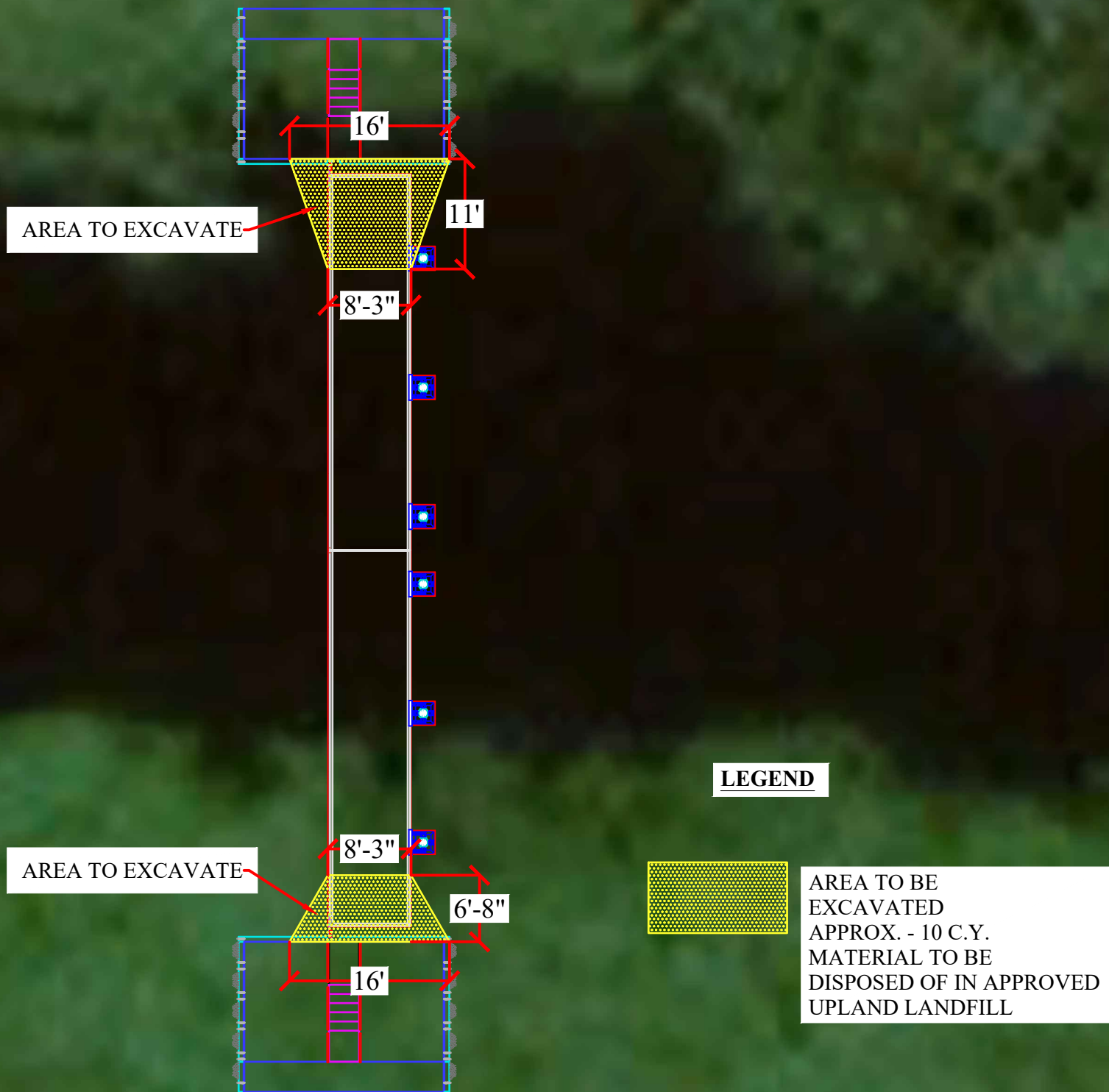
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P2

PLAN VIEW - DREDGING PLAN

SCALE - 1:180

CLIENT: FLORIDA POWER & LIGHT

PROJECT: FT LAUDERDALE PLANT OIL BOOM

SHEET: PLAN VIEW - DREDGING PLAN

FIGURE #: 5 OF 9

DATE: JANUARY 2023

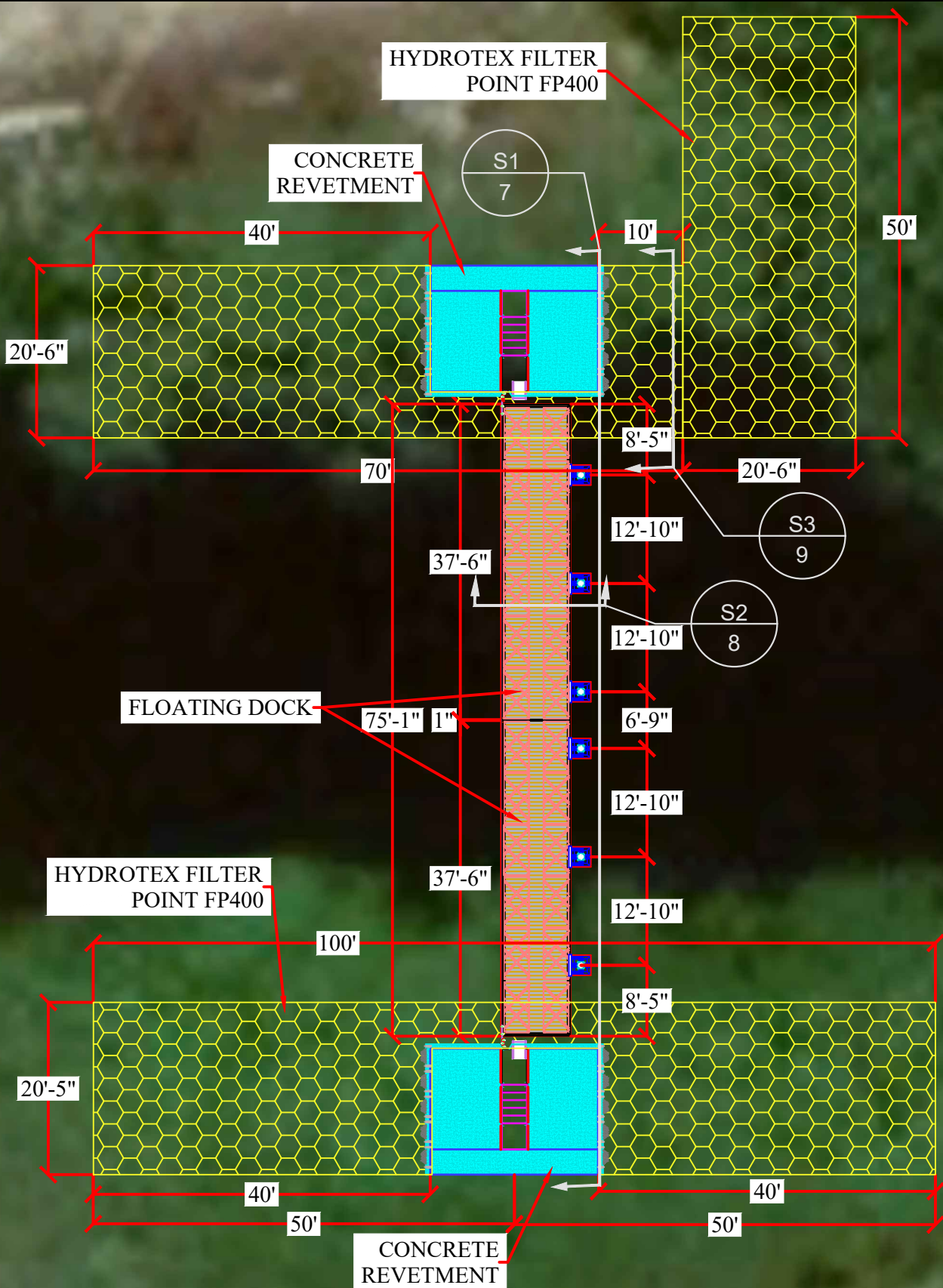
REVISED: -

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P3

PLAN VIEW - SITE PLAN

SCALE - 1:220

CLIENT: FLORIDA POWER & LIGHT

PROJECT: FT LAUDERDALE PLANT OIL BOOM

SHEET: PLAN VIEW - SITE PLAN

FIGURE #: 6 OF 9

DATE: JANUARY 2023

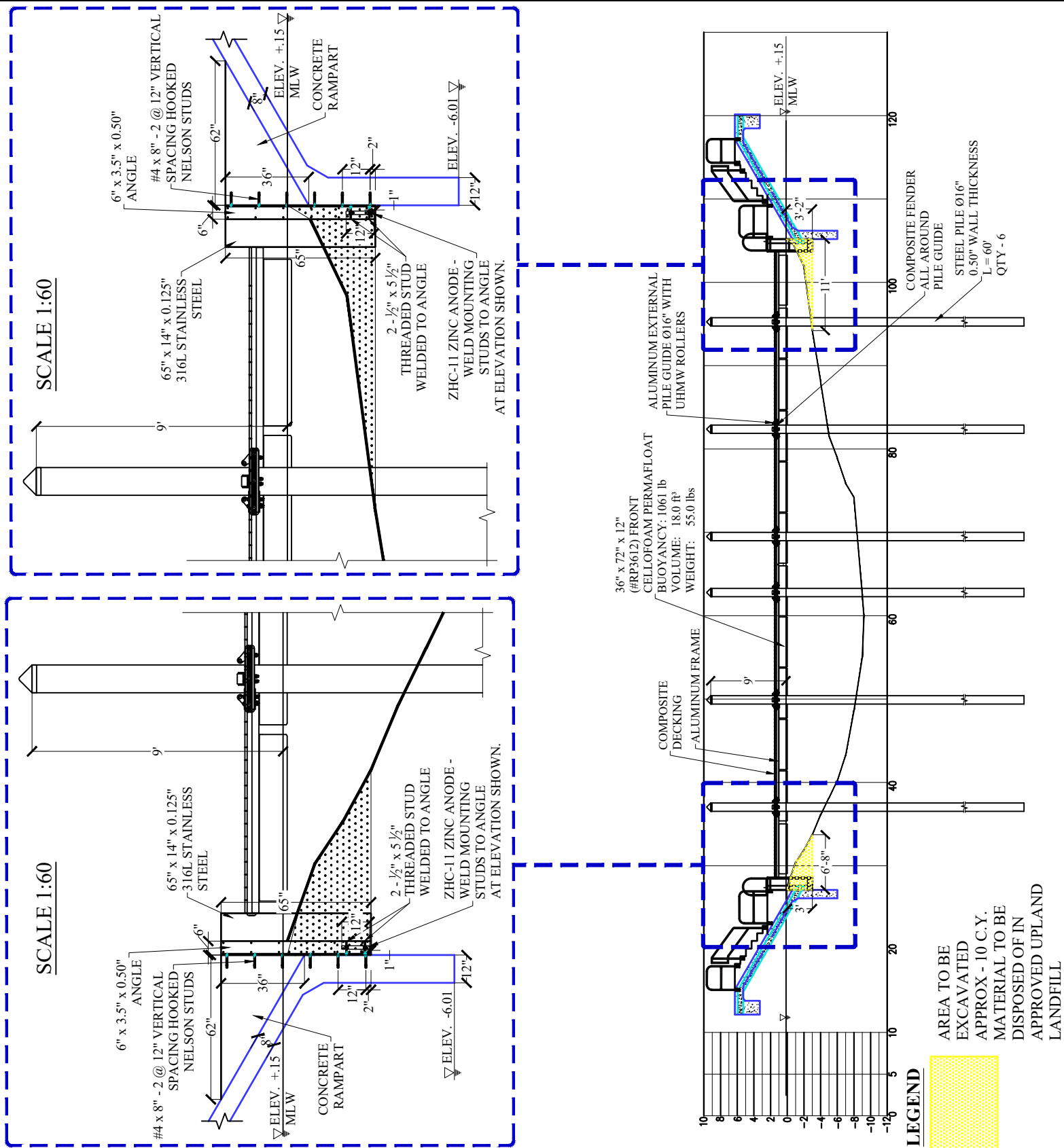
REVISED: -

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S1

SECTION VIEW - OIL BOOM FLOATING DOCK

SCALE - 1:200

CLIENT: FLORIDA POWER & LIGHT

PROJECT: LAUDERDALE PLANT OIL BOOM

SHEET: SECTION VIEW - OIL BOOM FLOATING DOCK REVISED: -

FIGURE #: 7 OF 9

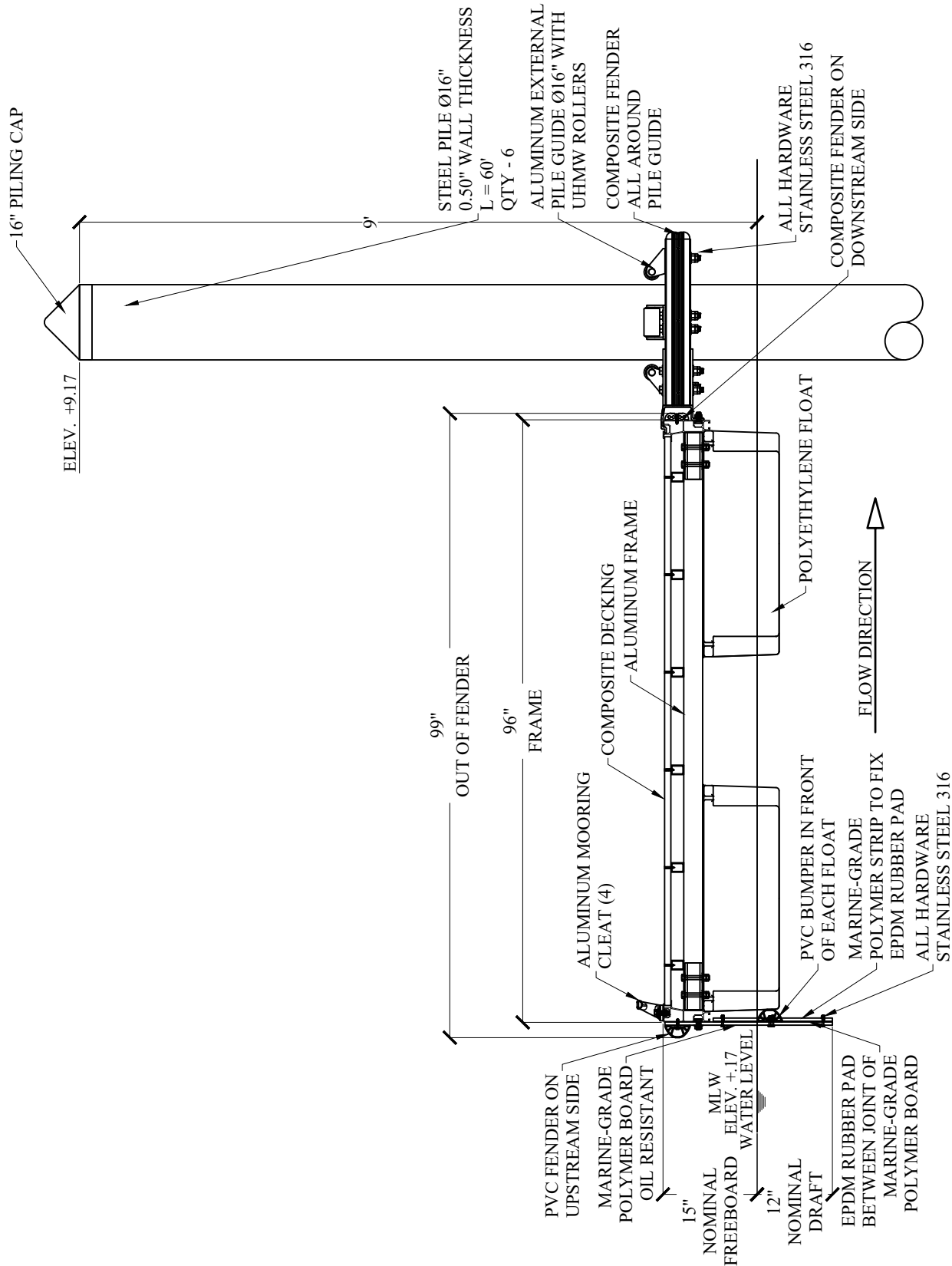
DATE: JANUARY 2023

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S2

SECTION VIEW - OIL BOOM FLOATING DOCK SECTION

SCALE - 1:25

CLIENT: FLORIDA POWER & LIGHT

PROJECT: LAUDERDALE PLANT OIL BOOM

SHEET: SECTION VIEW - OIL BOOM FLOATING DOCK
SECTION

FIGURE #: 8 OF 9

DATE: JANUARY 2023

REVISED: -

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ANCHOR CREST OF REVETMENT
USING THE NON-EXCAVATABLE
FLOWABLE FILL

8'-3"

VARIES

NEW HYDROTEX FILTER
POINT FP400

CONCRETE REVETMENT

MIRAFI 1100N

45"

38"

S3

SECTION VIEW - CONCRETE MATTRESS AT CONCRETE REVETMENT

SCALE - 1:40

CLIENT: FLORIDA POWER & LIGHT

PROJECT: LAUDERDALE PLANT OIL BOOM

SHEET: SECTION VIEW - CONCRETE MATTRESS AT
CONCRETE REVETMENT

FIGURE #: 9 OF 9

DATE: JANUARY 2023

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