

MEAN HIGH WATER SURVEY
FILE NUMBER IS #

THIS MEAN HIGH WATER LINE SURVEY COMPLIES WITH CHAPTER 177, PART II, FLORIDA STATUTES

THE MEAN HIGH WATER ELEVATION AS SHOWN HEREON WAS ESTABLISHED BY EXTENDING THE ELEVATION SHOWN AT MEAN HIGH WATER INTERPOLATION POINT NO. 3262

ELEVATIONS SHOWN AS (X.XX) REFER TO NGVD29 VERTICAL DATUM

ELEVATIONS SHOWN AS (X.XX) REFER TO NAVD88 VERTICAL DATUM

BENCHMARK USED: PID AA0023
STAMPING: KH 1 1959
MARK LOGO: USE
EL. 2.93', NAVD88
EL. 4.27', NGVD29

WATER DEPTHS SHOWN AS [X.XX] ARE REFERENCED TO THE MEAN LOW WATER ELEVATION OF -0.09', NGVD29, -1.43 NAVD. THIS DATA WAS OBTAINED AT TOP OF SUBSTRATE.

WATER DEPTHS SHOWN AS [X.XX REF] ARE REFERENCED TO MEAN LOW WATER AND WERE OBTAINED AT REFUSAL. REFUSAL WAS OBTAINED BY ONE PERSON DRIVING A FIXED LENGTH SURVEY ROD THROUGH SUBSTRATE.

MEAN LOW WATER ELEVATION SHOWN ABOVE IS PUBLISHED DATA FROM TIDE INTERPOLATION POINT NO. 3262

FLOOD ZONES REFER TO NGVD1929 AS PER FIRM MAPS

I HAVE CONSULTED THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP - COMMUNITY NO.: 120168; MAP NO.: 12087C-1509K; MAP DATE: 02-18-05; THE HERON DESCRIBED PROPERTY APPEARS TO BE IN FLOOD ZONE: AEB AND AE9

This parcel crosses more than one National Flood Insurance Program Flood Zone line(s), the approximate location of which are shown hereon. These lines are approximate in their location, as scaled from F.E.M.A. Flood Insurance Rate Map 12087C, Panel No. 1509K, last revised on 02/18/05. The flood map is at a scale of 1" = 500' ±. At this scale the line itself is 10' ± in width. In addition to the small scale the map is extremely vague, making precise location of the subject parcel impossible. These lines are shown hereon for informational purposes only, and should not be used as the sole criteria for determining construction limits. The location of these lines should be verified by the appropriate authorities prior to construction.

BAY OF FLORIDA

NORTH
ASSUMED FROM LEGAL DESCRIPTION
SCALE: 1" = 30'

BEARING BASE:
90° LOT

ALL ANGLES DEPICTED
ARE 90 DEGREES UNLESS
OTHERWISE INDICATED

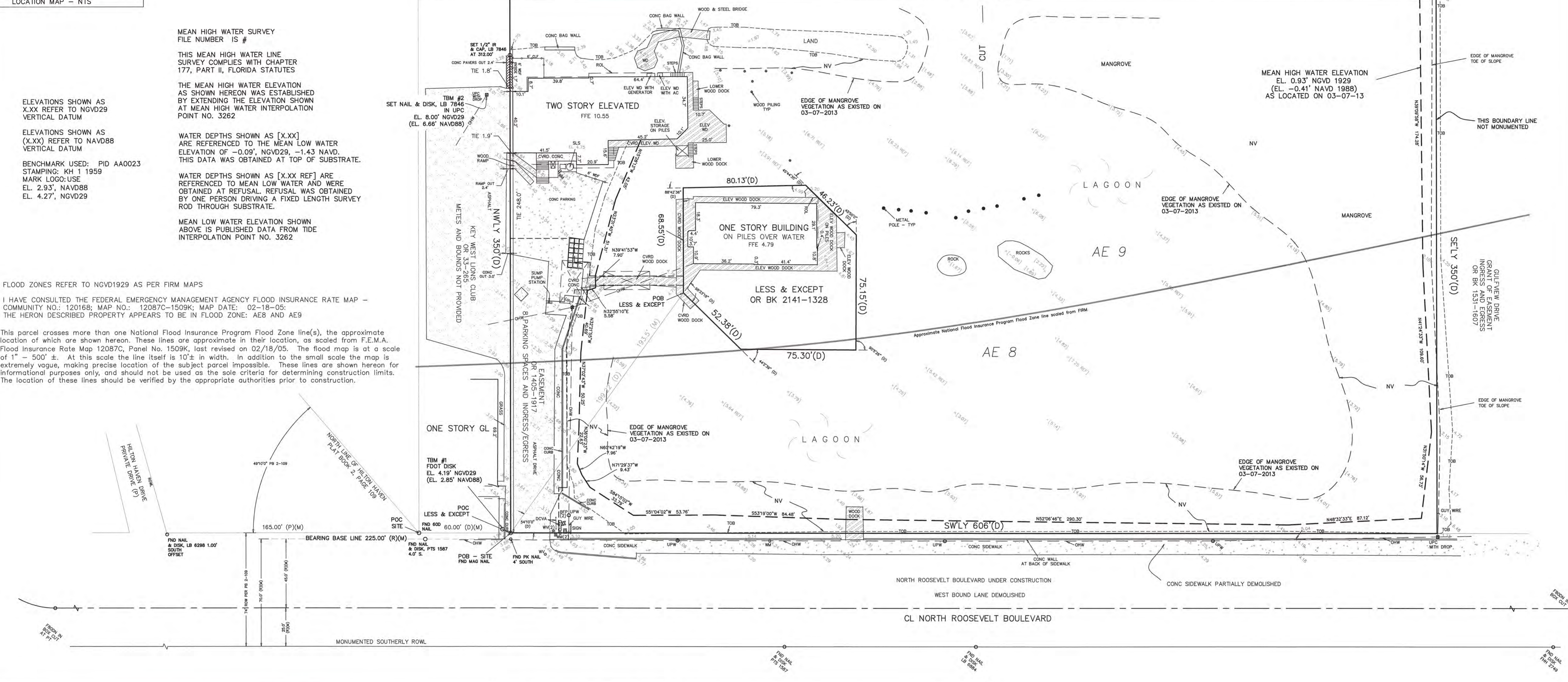
ADDRESS:
2704 NORTH ROOSEVELT BLVD.
KEY WEST, FL. 33040



CITY OF KEY WEST
TIF DEED #24523

NE'LY 606'(D)

MEAN HIGH WATER ELEVATION
EL. 0.93' NGVD 1929
(EL. -0.41' NAVD 1988)
AS LOCATED ON 03-07-13



MAP OF BOUNDARY, TOPOGRAPHIC & MEAN HIGH WATER LINE SURVEY
Section 33, Township 67 South, Range 25 East,
City of Key West, Monroe County, State of Florida.

LEGAL DESCRIPTION - provided by the client

Commencing at a point at the intersection of Roosevelt Boulevard and the Northeastly property line of Hilton Haven; thence in a Northeastly direction along the seawall which forms the North boundary of Roosevelt Boulevard a distance of 60 feet to a Point of Beginning; thence at right angles and in a Northwesterly direction a distance of 350 feet; thence at right angles and in a Northeastly direction the distance of 606 feet; thence in a Southeastly direction a distance of 350 feet to a point which is on the North boundary line of the right of way of Roosevelt Boulevard; thence at right angles and in a Southwesterly direction the distance of 606 feet back to the point or place of beginning. Containing 5.03 acres, more or less, lying and being in Section 33, Township 67 South, Range 25 East, Monroe County, State of Florida.

Excepting thereout and therefrom the following: A parcel of land of the Island of Key West and being part of the parcel of land described in O.R. Book g-44, page 181 of the Public Records of Monroe County Florida, and being more particularly described by metes and bounds as follows: COMMENCING at the Southwesterly corner of said parcel land described in O.R. Book G-44, Page 181 and the Northwesterly right-of-way line of Roosevelt Boulevard; thence in a Northwesterly direction along a line deflected 54 degrees 10 minutes to the North of said Northwesterly right-of-way line of Roosevelt Boulevard, 199.22 feet to the point of beginning; thence with a deflection angle to the right of 98 degrees 33 minutes 18 seconds and along the centerline of an existing wood dock, 52.38 feet; thence continue along said centerline with a deflection angle to the left of 44 degrees 02 minutes 39 seconds, 75.30 feet; thence continue along said centerline with the deflection angle to the left of 90 degrees 05 minutes 26 seconds, 75.15 feet; thence continue along said centerline with a deflection angle to the left of 45 degrees 50 minutes 00 seconds, 46.23 feet; thence with the deflection angle to the left of 45 degrees 44 minutes 35 seconds, 80.13 feet to the centerline of an existing wood dock; thence along said centerline with a deflection angle to the left of 88 degrees 42 minutes 36 seconds, 68.55 feet to the point of beginning and containing 10,818 square feet more or less.

NOTE: LEGAL DESCRIPTIONS HAVE BEEN FURNISHED BY THE CLIENT OR HIS/HER REPRESENTATIVE. PUBLIC RECORDS HAVE NOT BEEN RESEARCHED BY THE SURVEYOR TO DETERMINE THE ACCURACY OF THESE DESCRIPTIONS NOR HAVE ADJOINING PROPERTIES BEEN RESEARCHED TO DETERMINE OVERLAPS OR HIATUS. THIS SURVEY DOES NOT PURPORT TO SHOW OWNERSHIP OF WALLS OR FENCES ALONG PROPERTY LINES. ADDITIONS OR DELETIONS TO THIS SURVEY MAP BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES. MEASURED DIMENSIONS EITHER PLATTED OR DESCRIBED DIMENSIONS UNLESS INDICATED OTHERWISE. FOUNDATIONS BENEATH THE SURFACE ARE NOT SHOWN.

THE FOLLOWING IS A LIST OF ABBREVIATIONS THAT MAY BE FOUND ON THIS SHEET.

- | | | | | | |
|---------------------------------|------------------------------------|----------------------|--|------------------------------------|--------------------------------------|
| BFP = BACK-FLOW PREVENTER | D = DEED | FO = FENCE OUTSIDE | MTLF = METAL FENCE | PRC = POINT OF REVERSE CURVE | TOB = TOP OF BANK |
| BO = BLOW OUT | DOVA = DOUBLE CHECK VALVE ASSEMBLY | FOL = FENCE ON LINE | NAVD = NORTH AMERICAN VERTICAL DATUM (1988) | PRM = PERMANENT REFERENCE MONUMENT | TOS = TOE OF SLOPE |
| C = CALCULATED | DEASE = DRAINAGE EASEMENT | GB = GRADE BREAK | NOVD = NATIONAL GEODESIC VERTICAL DATUM (1929) | PT = POINT OF TANGENT | TS = TRAFFIC SIGN |
| C&G = 2' CONCRETE CURB & GUTTER | DMH = DRAINAGE MANHOLE | GI = GRATE INLET | NTS = NOT TO SCALE | R = RADIUS | UEASE = UTILITY EASEMENT |
| CB = CONCRETE BLOCK | EB = ELECTRIC BOX | GW = GUY WIRE | NV = NATIVE VEGETATION | ROL = ROOF OVERHANG LINE | UPC = CONCRETE UTILITY POLE |
| CBW = CONCRETE BLOCK WALL | EL = ELEVATION | HR = HOSE BIB | OHW = OVERHEAD WIRES | R/W = RIGHT OF WAY | UPW = METAL UTILITY POLE |
| CBRW = CONCRETE BLOCK CURB | ELEV = ELEVATED | IR = IRON ROD | P = PLAT | SCD = SANITARY CLEAN-OUT | WB = WOOD BOX |
| CI = CURB INLET | EM = ELECTRIC METER | L = ARC LENGTH | PC = POINT OF CURVE | SLS = SANITARY LIFT STATION | WD = WOOD DECK |
| CL = CENTERLINE | ENCL = ENCLOSURE | LE = LOWER ENCLOSURE | POC = PERMANENT CONTROL POINT | SMH = SANITARY MANHOLE | WDF = WOOD FENCE |
| CF = CHAINLINK FENCE | ENCL = FINISHED FLOOR ELEVATION | LS = LANDSCAPING | PI = POINT OF INTERSECTION | SPV = SPRINKLER CONTROL VALVE | WL = WOOD LANDING |
| CM = CONCRETE MONUMENT | FI = FENCE INSIDE | M = MEASURED | PK = PARKER KALON NAIL | SV = SEWER VALVE | WM = WATER METER |
| CONC = CONCRETE | G/S = CONCRETE SLAB | MB = MAILBOX | PM = PARKING METER | TB = TELEPHONE BOX | WRACK LINE = LINE OF DEBRIS ON SHORE |
| CVRD = COVERED | | FND = FOUND | C/S = CONCRETE SLAB | POB = POINT OF BEGINNING | WW = WATER VALVE |

CERTIFIED TO - RICHARD C. WALKER AND MARY JO WALKER

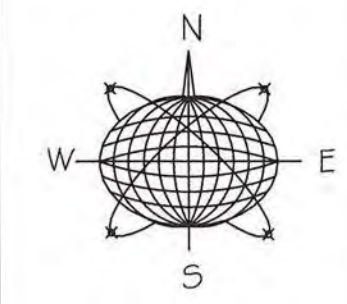
SCALE: 1" = 30'
FIELD WORK DATE: 03/07/13
REVISION DATE: -/-/-
SHEET 1 OF 1
DRAWN BY: BT
CHECKED BY: RW
INVOICE #: 12112801

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 349.17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, THIS SURVEY, WHEN SCHEDULE B HAS BEEN PROVIDED MEETS THE PROVISIONS OF FLORIDA ENFORCEMENT FORM 8, SUPPLEMENT (B) (1) (STANDARD), (B) (2) (ENCROACHMENTS), & (B) (4) (EASEMENTS) SCHEDULE "B" HAS NOT BEEN PROVIDED.

NOT VALID WITHOUT THE SIGNATURE AND THE RAISED SEAL OF A LICENSED SURVEYOR AND MAPPER

SIGNED: [Signature]
JOE ROBERT WHITE, LS 6688, PROFESSIONAL SURVEYOR AND MAPPER

REECE & WHITE
LAND SURVEYING, INC.
PROFESSIONAL SURVEYOR AND MAPPER, LB 7846
127 INDUSTRIAL ROAD, BIG PINE KEY, FL 33043
OFFICE (305) 872 - 1348
FAX (305) 872 - 5622



Meridian Engineering LLC
201 Front Street, Suite 210
Key West, Florida 33040
AUTHORIZATION #29401
ph:305-293-3263 fax:293-4899

Seal:

NOT VALID FOR CONSTRUCTION UNLESS
SIGNED AND SEALED IN THIS BLOCK
RICHARD J. MILELLI
PE #58315

General Notes:



2407 N ROOSEVELT BOULEVARD

KEY WEST, FLORIDA

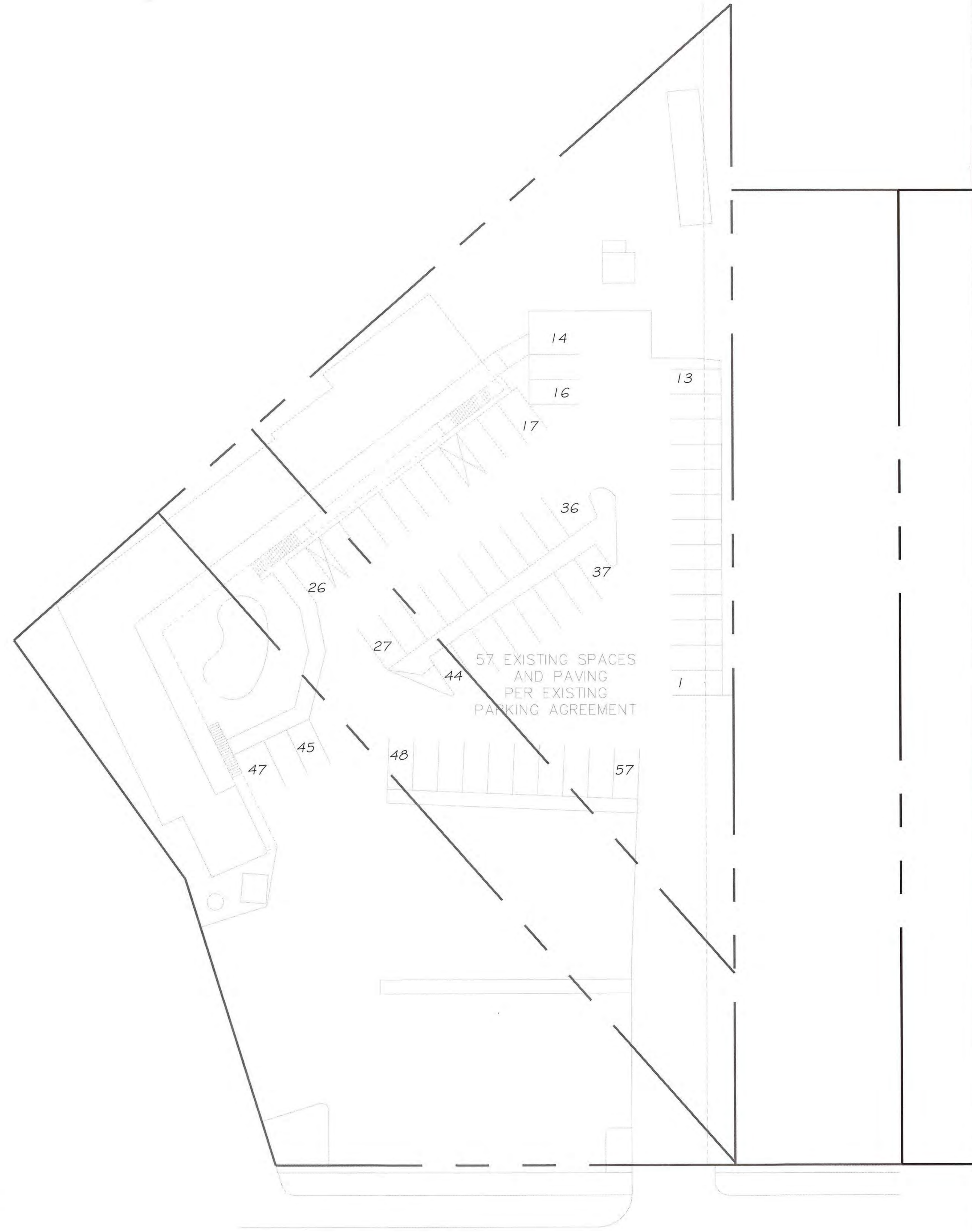
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| Project No. | Scale: |
| 11-0102 | AS NOTED |
| HTA AutoCad File No. | |

Revisions:

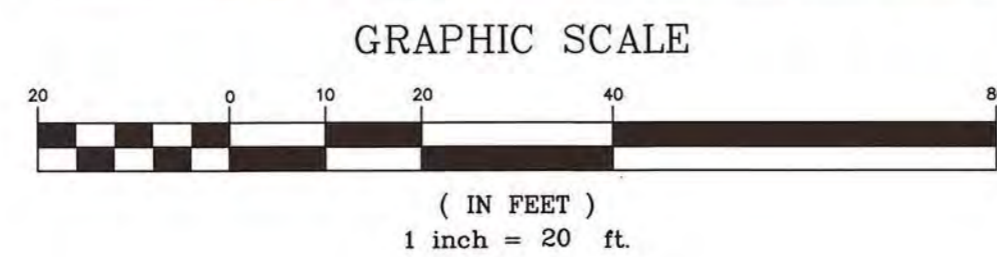
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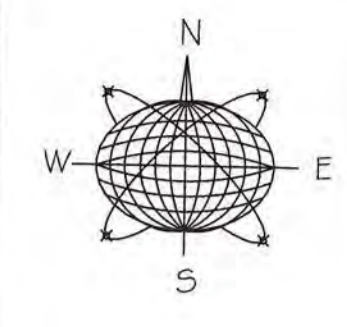
Title:
MARINA
PLAN

Sheet Number:
SE-2b
Date: 09.08.13



EXISTING PARKING PLAN





Meridian Engineering LLC
 201 Front Street, Suite 210
 Key West, Florida 33040
 AUTHORIZATION #29401
 ph:305-293-3293 fax:293-4899

Seal:

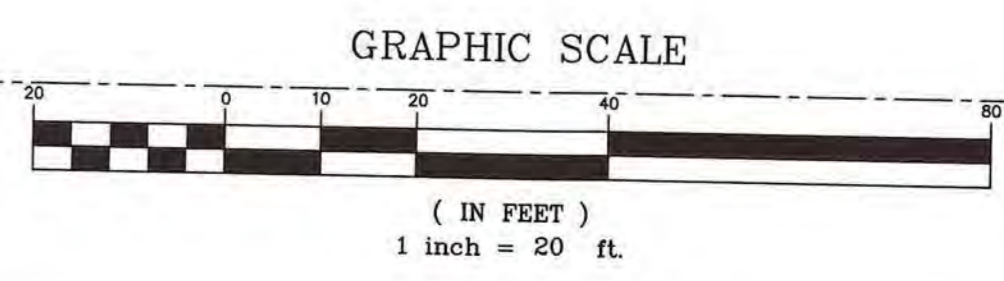
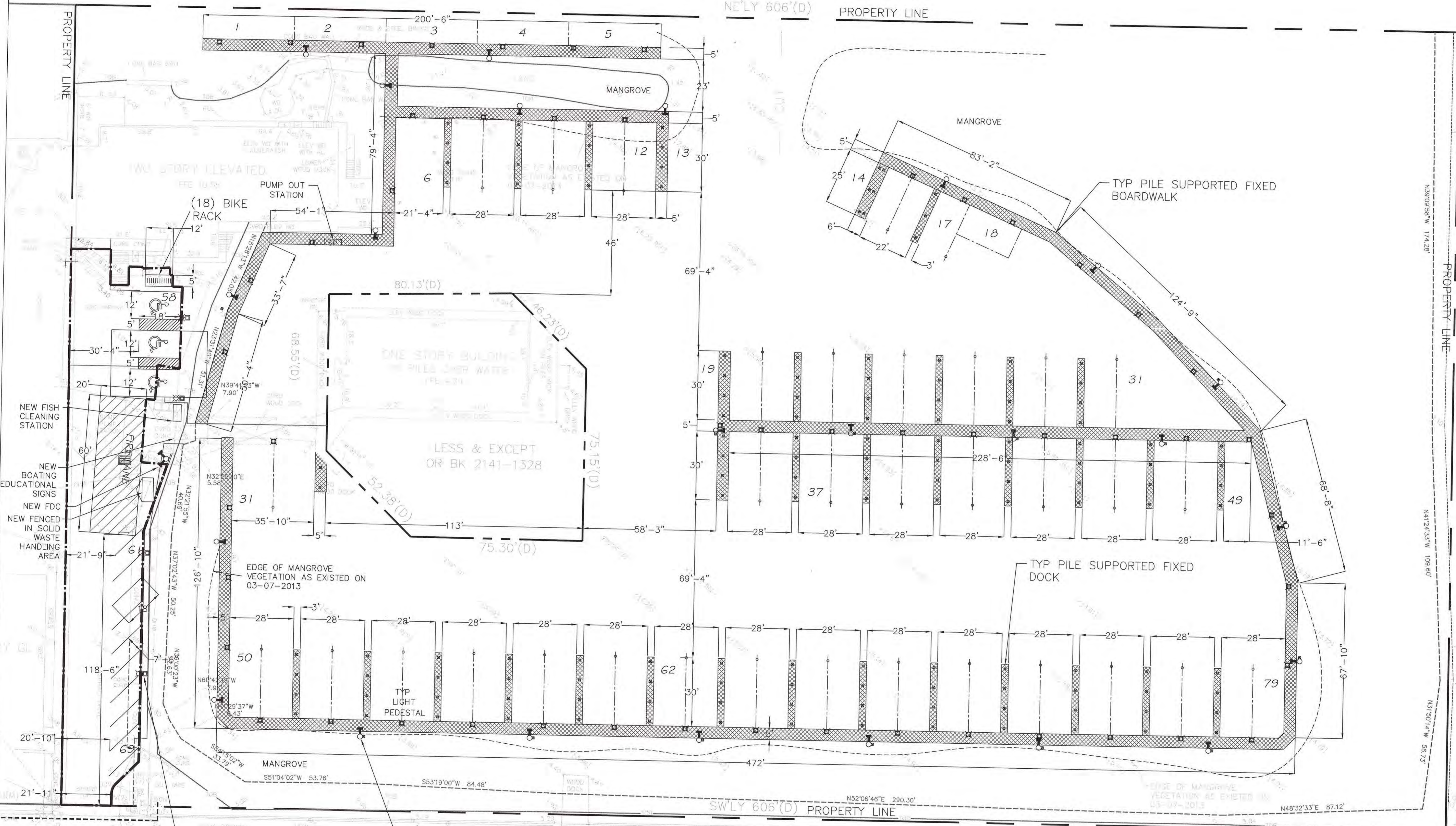
NOT VALID FOR CONSTRUCTION UNLESS
 SIGNED AND SEALED IN THIS BLOCK
 RICHARD J. MILELLI
 PE #58315



**2407 N ROOSEVELT
 BOULEVARD**
 KEY WEST, FLORIDA

Drawn By: RJM
 Checked By: RJM
 Project No. 11-0102
 Scale: AS NOTED
 HTA AutoCad File No.

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| Revisions: | |
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| Title: | MARINA PLAN |
| Sheet Number: | SE-1 |
| Date: | 09.08.13 |



INDENT ROOSEVELT BOULEVARD UNDER CONSTRUCTION
 WEST BOUND LINE PERMITS
 CL NORTH ROOSEVELT BOULEVARD



Meridian Engineering LLC
201 Front Street, Suite 210
Key West, Florida 33040
AUTHORIZATION #29401
P1206293/2019/04/29/0499

Seal:

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SIGNED AND SEALED BY THE ARCHITECT
RICHARD J. MILELLI
PE #58319

General Notes:

2407 N ROOSEVELT
BOULEVARD

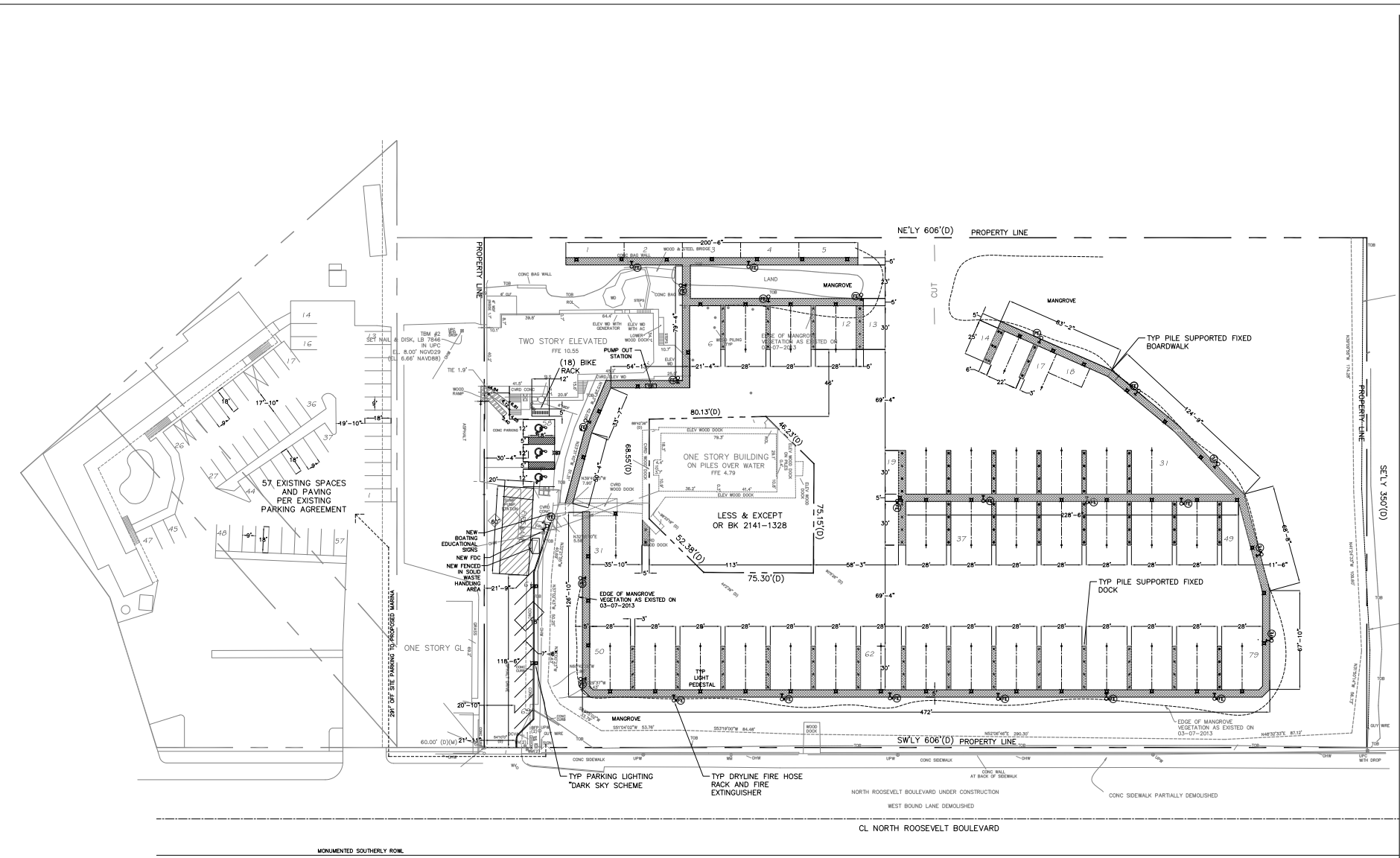
KEY WEST, FLORIDA

Drawn By: Checked By:
Project No. 11-4102 Scale: AS NOTED
HTA AutoCad File No.

Revisions:

Title: MARINA PLAN

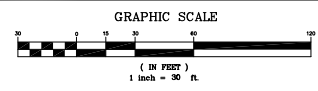
Sheet Number:
SE-1a
Date: 09.08.19

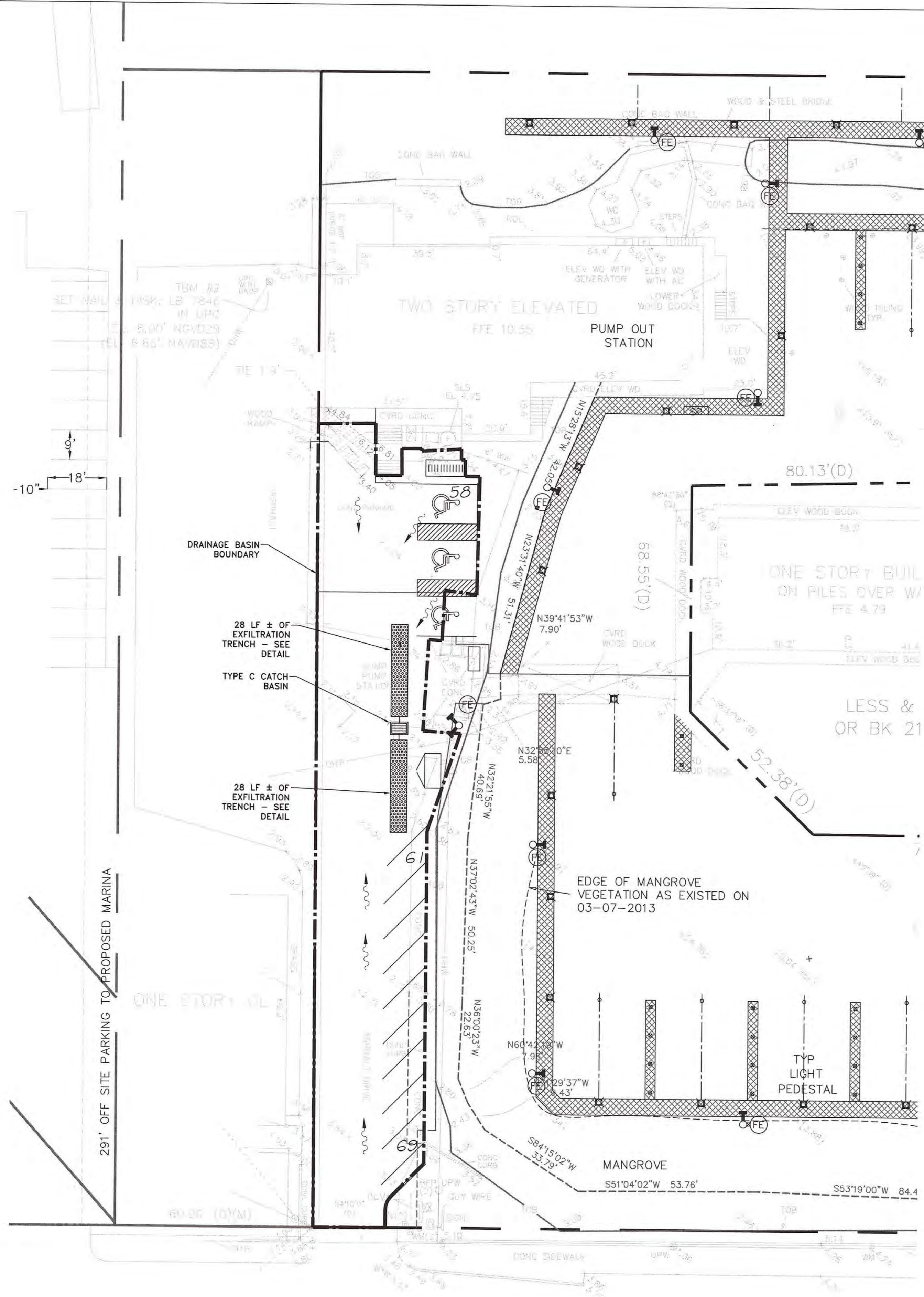


- Conditionals of Approval by the City of Key West:**
- Life-Safety:**
- Applicant shall coordinate with the U.S. Coast Guard to provide and maintain navigational markers from the docking basin to open water.
 - The applicant shall work with the KWFD and FDOT to permit emergency egress from the boardwalk to N. Roosevelt. Such access shall be for emergency egress only.
 - The applicant shall install life-safety equipment, such as hose closets and stand pipes, as required by KWFD.
- Lighting:**
- No lighting other than "dark-sky"-style dock-pedestal lighting shall be permitted on the docks and boardwalks
 - No more than "navigational best management practice" channel lighting shall be permitted at the entrance of the basin
- Clean Marina:**
- Clean Marina Designation shall be maintained.
 - Pump out facilities shall be available to all boats in the dockage.
- Sound/ Wake:**
- The property owner shall post No Wake signs within the dockage basin.
 - Applicant shall pursue a dusk to dawn no wake zone from the basin's entrance extending out 500ft (approximately to the power poles) as depicted in Attachment A. Notwithstanding

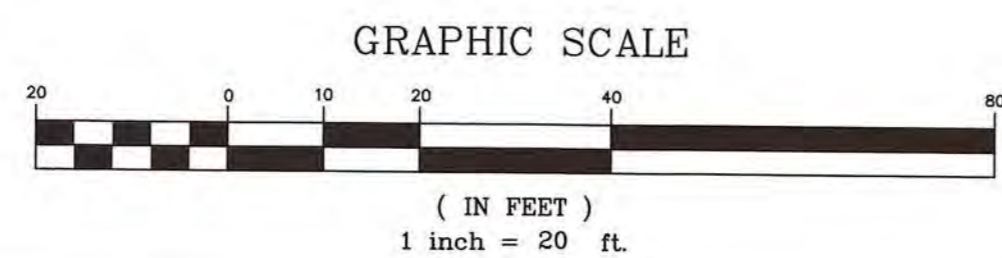
- Sound/ Wake (cont.):**
- the success of implementing such a no wake zone, users of dockage at 2407 N. Roosevelt shall respect an idle speed/ no wake area extending 900 feet from the edge of the basin at 2407 N. Roosevelt property from dusk to dawn as depicted in Attachment A.
- From dusk to dawn users of the dockage basin at 2407 N. Roosevelt shall not create noise in or cause noise to emanate from the dockage basin which equals or exceeds a measured sound level of 75 dBA (maximum permitted sound level in decibels) collectively for more than 30 seconds of any measurement period which shall not be less than five minutes as measured from an adjacent residential dwelling; enforcement of this agreement shall be consistent with Sec. 26-194(b) of the Key West Code.
- Signage:**
- The property owner will bring any nonconforming signage along the property's N. Roosevelt border into compliance with Sec. 114-31.
- Restrooms:**
- During hours of operation the property owner shall make restrooms available for users of the dockage.
- Parking:**
- Signs shall be installed designating the 8 non-exclusive parking spaces as "1 Hour Parking".
- Fish Cleaning:**
- No fish cleaning station shall be installed.

OVERALL DEVELOPMENT PLAN





DRAINAGE PLAN



DRAINAGE CALCULATIONS

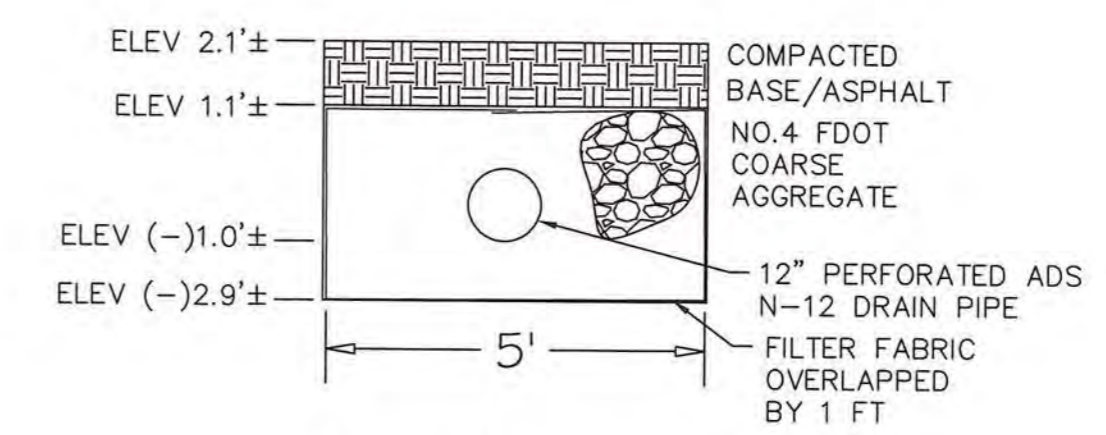
WATER QUALITY

PROJECT AREA = 0.20 Ac
 PERVIOUS = 0.000 Ac
 IMPERVIOUS = 0.20 Ac

ONE INCH OF RUNOFF FROM DRAINAGE BASIN = 0.20 Ac-in

EXFILTRATION TRENCH PROVIDED

EXFILTRATION TRENCH VOLUME CALCULATED USING SPHMO EQUATION (PG F-10 OF THE ERP INFORMATION MANUAL)
 VARIABLES K=0.0001; H=2'; W=5'; D_u=1'; D_s=4'
 VOLUME = 0.20 Ac-in
 TRENCH LENGTH = 56 FT

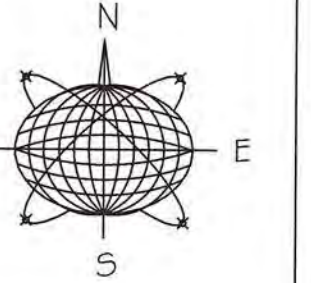


EXFILTRATION TRENCH
NTS

- NOTES:**
- 1. FILTER FABRIC SHALL BE MARAFI FILTERWEAVE 300 OR ENGINEER APPROVED EQUIVALENT. FILTER FABRIC SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
 - 2. ELEVATION DERIVED FROM SURVEY.

LEGEND

~> DRAINAGE FLOW



Meridian Engineering LLC
 201 Front Street, Suite 210
 Key West, Florida 33040
 AUTHORIZATION #29401
 ph: 305-293-3283 fax: 293-4899

Seal:

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 RICHARD J. MILELLI
 PE #58315

General Notes:



2407 N ROOSEVELT
 BOULEVARD

KEY WEST, FLORIDA

| | |
|----------------------|-------------|
| Drawn By: | Checked By: |
| Project No.: | Scale: |
| HTA AutoCad File No. | |

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| Revisions: |
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Title:

DRAINAGE
 PLAN

Sheet Number:

C-1

Date: 09.08.13



PROPERTY LINE

CONC BAG WALL

CONC BAG WALL

CONC BAG WALL

TWO STORY ELEVATED
FFE 10.85

(18) BIKE RACK

PUMP OUT STATION

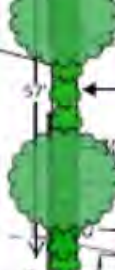
TBM #2
DISK, LB 7846
IN UPC
8.00' NGVD29
6.66' NAVD88

Perimeter Landscape Buffer
5ft x 37ft, 100% Native
2 Shade Trees
17 Shrubs

TIE 1.9'

WOOD

ASPHALT



NEW BOATING EDUCATIONAL SIGNS

NEW FDC
NEW FENCED IN SOLID WASTE HANDLING AREA

NEW FDC

OFF SITE PARKING TO PROPOSED MARINA

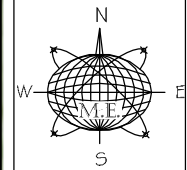
ONE STORY GL

68.55'(D)

EDGE OF MANGROVE VEGETATION AS EXISTED
03-07-2013

118'-6"

50



Meridian Engineering LLC
201 Front Street, Suite 203
Key West, Florida 33340
AUTHORIZATION # 29401
ph:305-293-3263 fax:293-4899

Seat

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SIGNED AND SEALED IN THIS BLOCK
RICHARD J. MILELLI
PE #58315

General Notes:

WALKER MARINA
2407 N. ROOSEVELT BLVD
KEY WEST, FLORIDA

Drawn By: SLM
Checked By: RJM
Project No.:
Scale: AS NOTED

AutoCad File No.:
Walker ACOE (08-08-14)

Revisions:

Title: FIRE ACCESS PLAN

Sheet Number: **C-7.0**
Date: JUNE 12, 2014

