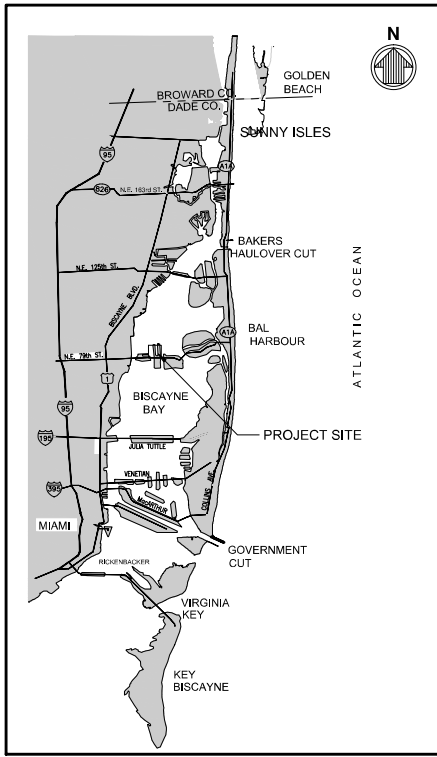
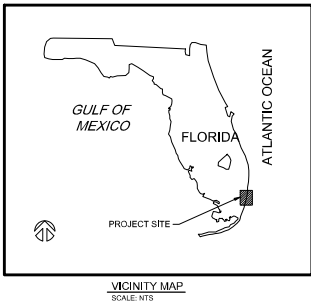


# VOGEL PARK DOCK DESIGN

## NORTH BAY VILLAGE, FLORIDA SECTION 09, TOWNSHIP 53S, RANGE 42E



| INDEX OF DRAWINGS |                                           |
|-------------------|-------------------------------------------|
| SHEET NO.         | SHEET TITLE                               |
| G-001             | COVER SHEET & INDEX OF DRAWINGS           |
| S-001             | WATERSIDE GENERAL NOTES                   |
| S-002             | STRUCTURAL NOTES                          |
| V-101             | WATERSIDE EXISTING CONDITIONS             |
| S-101             | SITE PLAN                                 |
| S-102             | PILE PLAN                                 |
| S-103             | DECK PLAN                                 |
| S-501             | DOCK DETAILS (1 OF 2)                     |
| S-502             | DOCK DETAILS (2 OF 2)                     |
| S-503             | STRUCTURAL DETAILS (1 OF 2)               |
| S-504             | STRUCTURAL DETAILS (2 OF 2)               |
| P-1.0             | GENERAL NOTES, SYMBOLS LEGEND AND DETAILS |
| P-2.0             | OVERALL PLUMBING SITE PLAN                |
| P-3.0             | ENLARGED PLUMBING DOCK PLAN               |
| E-1.0             | GENERAL NOTES AND SYMBOLS LEGEND          |
| E-2.0             | OVERALL ELECTRICAL SITE PLAN              |
| E-3.0             | ENLARGED ELECTRICAL DOCK PLAN             |
| E-4.0             | ELECTRICAL RISER CCTV RISER               |
| E-5.0             | ELECTRICAL DETAILS                        |

**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
NAME Ashley Dominguez  
DATE 07/25/2023

PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7800 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-265-5400  
EAC PROJECT No. 1907SL001-09

SUB-CONSULTANT:  
**moffatt & nichel**  
2837 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE 2**

KEY MAP:

| REVISIONS: |             |      |    |
|------------|-------------|------|----|
| NO.        | DESCRIPTION | DATE | BY |
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DATE ISSUED: March 5, 2023  
DESIGNED BY: VB  
DRAWN BY: CC  
REVIEWED BY: GWS  
SEAL

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-04'00"  
11.0.23

TIM BLANKENSHIP  
FL LICENSE No. 0055919

SHEET TITLE:  
**COVER SHEET &  
INDEX OF DRAWINGS**

SHEET NO.  
**G-001**

PERMIT SUBMITTAL



North Bay Village - Building Department  
Approved by: Building Department  
Date: 02/25/2023

## GENERAL WATERSIDE NOTES

- METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
- THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
- THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE OWNER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
- THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
- IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
- SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

## SURVEY NOTES

- TOPOGRAPHIC SURVEY PERFORMED BY SEA DIVERSIFIED, INC. SURVEY CONDUCTED ON MARCH 9-10, 2021.
- HYDROGRAPHIC ELEVATIONS SHOWN HEREIN PROVIDED BY SEA DIVERSIFIED, INC. SURVEY CONDUCTED ON MARCH 9-10, 2021.
- ELEVATIONS ARE IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- HORIZONTAL DATA SHOWN HEREON ARE REFERENCED TO GRID BEARINGS BASED UPON THE FLORIDA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (ADJUSTMENT OF 1999).
- UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
- THE TIDAL DATUM RELATIONSHIP BASED ON NOS (NOAA) STATION AT MIAMI, BISCAYNE BAY, FL (STATION 8723165).

| VERTICAL DATUM RELATIONSHIP |             |
|-----------------------------|-------------|
| DATUM                       | ELEV        |
| MHHW                        | + 0.26 FEET |
| MHW                         | + 0.22 FEET |
| MSL                         | -0.89 FEET  |
| NAVD                        | -0.00 FEET  |
| MLW                         | -1.97 FEET  |
| MLLW                        | -2.11 FEET  |

## DEMOLITION NOTES

- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURE. PLAN SHALL INCLUDED DETAILED MEANS AND METHOD OF DEMOLITION WORK.
- ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.

## LAYOUT AND TESTING:

- ALL CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY AND PAID FOR BY THE CONTRACTOR.
- ALL TESTING, INSPECTION AND BACKFILL SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS, AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY RETAINED BY THE OWNER.

## SCHEDULE FOR COMPLETION OF WORK TO CONSTRUCTION BASELINE SCHEDULE

THE CONTRACTOR SHALL PROVIDE PRODUCT SUBMITTALS, AND/OR CATALOG CUT SHEETS FOR THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION:

- PRELIMINARY SUBMITTALS:
  - SCHEDULE FOR COMPLETION OF WORK (TO BE UPDATED WEEKLY)
  - LIST OF SUBMITTALS
  - CONTRACTOR WORK PLAN
  - CONTACT LIST FOR GC'S STAFF
  - QUALITY ASSURANCE PLAN
- PRE-CAST CONCRETE
- TIMBER PILE
- HARDWARE.
- BITUMEN MEMBRANE.
- SPECIALTY ENGINEER SUBMITTALS (TO BE SIGNED/SEALED BY FLORIDA REGISTERED PROFESSIONAL ENGINEER.
  - GRATED DECK SHOP DRAWINGS
  - DOCK CALCULATIONS
  - KAYAK LAUNCH SHOP DRAWINGS

## ENVIRONMENTAL NOTES

- TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
- DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
- DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
- ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



North Bay Village - Building Department  
Approved by: Building Department  
Date: 02/25/2023

## TURBIDITY BARRIER NOTES

- THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN TURBIDITY CONTROL CURTAIN AROUND WORK AREA. THE PURPOSE OF THE CURTAIN IS TO AVOID ANY DEBRIS FROM GOING INTO THE MAIN WATERS. THE CONTRACTOR HAS THE OPTION TO ENCLOSE THE ENTIRE WATERSIDE OF THE SITE, WITHIN THE LIMITS OF DISTURBANCE, OR TO INSTALL AND MOVE THE CURTAIN IN STAGES. THE CONTRACTOR SHALL MAINTAIN SUCH CURTAINS AT ALL TIMES IN THE AREAS WHERE WORK IS IN PROGRESS.
- CONTRACTOR SHALL SUBMIT TURBIDITY CONTROL PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION IN ACCORDANCE WITH REGULATORY PERMITS.
- TURBIDITY SHALL BE MONITORED AS OUTLINED IN THE REGULATORY PERMIT.
- IF THE COMPLIANCE SAMPLE MEASURES ABOVE THE BACKGROUND SAMPLE, ALL OPERATIONS THAT ARE CAUSING THE WATER QUALITY VIOLATION WILL CEASE, AND THE ENVIRONMENTAL AGENCIES SHALL BE NOTIFIED OF THE VIOLATION (AS REQUIRED IN THE ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT). WORK THAT IS CAUSING THE WATER QUALITY VIOLATION WILL NOT RECOMMENCE UNTIL SUCH TIME AS THE WATER QUALITY READINGS THE APPROVAL OF THE AGENCIES.
- CONTRACTOR SHALL COMPILER AND SUBMIT MONITORING REPORTS TO OWNER AND TO THE AGENCIES, AS REQUIRED IN THE ENVIRONMENTAL PERMITS.
- CONTRACTOR SHALL UTILIZE DOUBLE TURBIDITY CURTAIN.



North Bay Village - Building Department  
Approved by: Building Department  
Date: 02/25/2023

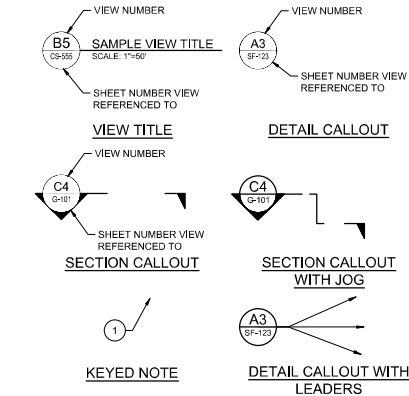
RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME Lindsay Elam  
DATE 02/15/2023

RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL  
NAME Ashley Dominguez  
DATE 07/25/2023

## ABBREVIATIONS

|       |                                     |
|-------|-------------------------------------|
| DBL   | = DOUBLE                            |
| DN    | = DOWN                              |
| EMBED | = EMBEDMENT                         |
| EQ    | = EQUAL                             |
| GALV  | = GALVANIZED                        |
| LG    | = LONG                              |
| MHW   | = MEAN HIGH WATER                   |
| MHHW  | = MEAN HIGHER HIGH WATER            |
| MLW   | = MEAN LOW WATER                    |
| MLLW  | = MEAN LOWER LOW WATER              |
| MSL   | = MEAN SEA LEVEL                    |
| NAD   | = NORTH AMERICAN DATUM              |
| NAVD  | = NORTH AMERICAN VERTICAL DATUM 88  |
| NIC   | = NOT IN CONTRACT                   |
| NMFS  | = NATIONAL MARINE FISHERIES SERVICE |
| SPA   | = SPACES                            |
| SS    | = STAINLESS STEEL                   |
| SQ    | = SQUARE                            |
| UON   | = UNLESS OTHERWISE NOTED            |
| BL    | = BASELINE                          |
| CL    | = CENTERLINE                        |
| '     | = MINUTES OR FEET                   |
| "     | = INCHES                            |
| &     | = AND                               |
| °     | = DEGREE                            |
| ±     | = PLUS OR MINUS                     |
| Ø     | = DIAMETER                          |
| PL    | = PLATE                             |

## LEGEND



\* VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT EXTENTS OF THE VIEW ON THE REFERENCED SHEET. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM: "VIEW NO./SHEET NO." (EG A1/CS-5001)

Timothy K. Blankenship  
PE No. 55502

2023.04.12  
09:37:31  
1-04'00'  
11.0.23



North Bay Village - Building Department  
Approved by: Building Department  
Date: 02/25/2023

PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7802 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

## CONSULTANT:

**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-285-5400  
EAC PROJECT NO. 1907SL001-09

## SUB-CONSULTANT:

**moffatt & nichel**  
2837 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

## PROJECT:

VOGEL PARK  
MARINE FACILITY  
PHASE 2

## KEY MAP:

## REVISIONS:

| NO. | DESCRIPTION | DATE | BY |
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DATE ISSUED: April 22, 2023

DESIGNED BY: VB

DRAWN BY: CC

REVIEWED BY: KT

SCALE:

2023.02.09

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05'00"

11.0.23

TIM BLANKENSHIP  
FL LICENSE No. 0059919

SHEET TITLE:

WATERSIDE  
GENERAL NOTES

SHEET NO.

S-001

PERMIT SUBMITTAL



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 03/22/2023

## DESIGN CRITERIA

- LOADING:
  - DESIGN VESSEL: 50 FEET.
  - LIVE LOAD
    - FIXED DOCK:
      - 100 PSF UNIFORM LOAD
      - 400-LBS POINT LOAD
    - RAILINGS:
      - 200-LBS CONCENTRATED LOAD (LATERAL)
  - BERTHING LOAD:
    - 3.0 FT/S APPROACH SPEED
    - 30 DEG APPROACH ANGLE
  - WIND LOAD:
    - DOCK (UNOCCUPIED): 170 MPH (3-SEC GUST)
    - DOCKS (OCCUPIED): 45 MPH (3-SEC GUST)
  - E. CURRENT LOAD: 3.3 FT/S
  - F. WAVE LOAD:
    - SIGNIFICANT WAVE HEIGHT (H<sub>s</sub>): 2.5 FT
    - WAVE PERIOD: 3.0s
  - G. KAYAK LAUNCH & BOAT LIFT:  
SEE SHEET S-101
- DESIGN CODES AND STANDARDS:
  - FLORIDA BUILDING CODE (2020).
  - AMERICAN CONCRETE INSTITUTE - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14).
  - AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL, 16TH EDITION.
  - AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (AWS D1.1 - 2017).
  - E. AMERICAN SOCIETY OF CIVIL ENGINEERS - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-10).
  - F. FDOT 2022 ROAD & BRIDGE STANDARD SPECIFICATIONS.
  - G. AMERICAN SOCIETY OF CIVIL ENGINEERS - MANUAL 50 PLANNING AND DESIGN GUIDELINES FOR SMALL CRAFT HARBORS (2012).
  - H. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS 2015)

## CONCRETE & REINFORCING STEEL

- ALL CONCRETE MATERIALS, REINFORCEMENT, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346, 400, AND 415 UNLESS OTHERWISE NOTED.
- ALL CONCRETE SHALL BE A NORMAL WEIGHT CONCRETE (WITH A MINIMUM DENSITY OF 145 pcf).
- ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315 AND ACI 301.
- MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
  - CAST-IN-PLACE CONCRETE ..... 5,500 psi (MIN. FDOT CLASS IV)
  - PRECAST/PRESTRESSED CONCRETE, ..... 6,000 psi (MIN. FDOT CLASS V SPECIAL)
  - REINFORCING STEEL ..... ASTM A615, GRADE 60
- CONCRETE SHALL CONTAIN 3 GAL/CY OF CORROSION INHIBITING ADMIXTURE, EUCON CIA OR APPROVED EQUAL.
- AGGREGATE SHALL CONFORM TO ASTM C 33, NO. 57.
- PROVIDE BROOM FINISH FOR ALL WALKING SURFACES.
- MINIMUM CONCRETE CLEAR COVER FOR REINFORCEMENT, 3" UON.
- PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES AND CORNERS, UON.
- ALL CEMENT SHALL CONFORM TO ASTM C 150, TYPE II FOR AN EXTREMELY AGGRESSIVE ENVIRONMENT, WITH SLAG OR FLY ASH. MAXIMUM W/C RATIO IS 0.41.
- CONTRACTOR SHALL REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL.
- ALL CONCRETE WORK, PLACEMENT MEANS, AND METHODS SHALL BE IN ACCORDANCE WITH ACI 304-10, 308-01, 308, 1-11 & 347R-03.
- 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.
- ALL CONSTRUCTION JOINTS BETWEEN CAST IN PLACE CONCRETE AND BETWEEN PRECAST TO CAST IN PLACE CONCRETE TO BE CLEANED WITH A ROUGHENED SURFACE OF 1/2" AMPLITUDE AND BONDED WITH EPOXY BONDING AGENT.
- ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING ARE CENTER TO CENTER LINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- METAL CHAIRS ARE NOT ALLOWED AND NO METAL SHALL PROTRUDE FROM SURFACE OF THE CONCRETE.
- CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND IN ACCORDANCE WITH FDOT SPECIFICATION 400-16.1 AND 400-16.2.



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 03/22/2023



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 03/22/2023

- EPOXY BONDING COMPOUND SHALL BE IN ACCORDANCE WITH FDOT SECTION 926 AND 937.
- FOR MECHANICAL REINFORCING BAR CONNECTORS, PROVIDE 125% MINIMUM YIELD STRENGTH OF THE REINFORCEMENT BAR. COAT CONNECTORS IN ACCORDANCE WITH THE SAME REQUIREMENTS AS REINFORCING BARS.
- LAP SPLICES SHALL BE MINIMUM CLASS "B" LAP SPLICES IN ACCORDANCE WITH ACI 318.

## PRESTRESSED CONCRETE PILES

- DOCK PILES SHALL BE 14" SQUARE P/S CONCRETE PILES IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 455-001 AND 455-014 AND STANDARD SPECIFICATIONS SECTIONS 450 AND 455. STRAND PATTERN SHALL BE 8-1/2" Ø (SPECIAL). PRESTRESSING STEEL SHALL BE SEVEN-WIRE STRAND, GRADE 270, LOW RELAXATION STRAND (LRS).
- CONCRETE FOR PRESTRESSED PILES SHALL BE FDOT CLASS V (SPECIAL). SEE "CONCRETE AND REINFORCING STEEL" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
- ADJUST BOTTOM CAP REINFORCEMENT AS NECESSARY TO FIT DOWEL BARS.
- DRIVE PRESTRESSED CONCRETE PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-7.
- PILES SHALL BE MANUFACTURED BY AN APPROVED FACILITY IN ACCORDANCE WITH FDOT SPECIFICATIONS.
- SPLICING OF CONCRETE PILES WILL NOT BE PERMITTED.
- CONCRETE STRENGTH:  
THE PILE CYLINDER STRENGTH SHALL BE 6,000 PSI MINIMUM AT 28 DAYS AND 4,000 PSI MINIMUM AT TIME OF TRANSFER OF THE PRESTRESSING FORCE.
- REINFORCING STEEL:  
ALL REINFORCING STEEL AND DOWELS SHALL BE IN ACCORDANCE WITH ASTM 615 OR ASTM 706, GRADE 60, EXCEPT SPIRAL TIES SHALL BE MANUFACTURED FROM COLD-DRAWN STEEL WIRE MEETING THE REQUIREMENTS OF ASTM A82.  
PRESTRESSING STEEL:  
PRESTRESSING STEEL SHALL BE SEVEN-WIRE STRAND, GRADE 270, LOW-RELAXATION STRAND (LRS).
- SPIRAL TIES:  
EACH WRAP OF SPIRALS SHALL BE TIED TO AT LEAST TWO CORNER STRANDS, ONE TURN REQUIRED FOR SPIRAL SPLICES.
- CONTRACTOR SHALL COORDINATE PILE DRIVING SCHEDULE SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING OPERATIONS.
- PREDRILLING MAY BE REQUIRED TO PROVIDE THE MINIMUM CLEAR COVER REQUIRED FOR LATERAL CAPACITY.
- EACH PILE PLACED IN A PREDRILLED HOLE SHALL BE DRIVEN BY IMPACT HAMMER TO CONFIRM THE PILE HAS REACHED THE REQUIRED AXIAL SERVICE LOADS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT MEET THE REQUIRED MINIMUM EMBEDMENT AND AXIAL CAPACITY.
- AFTER DRIVING THE PILES AND CLEANING OUT THE CORRUGATED SLEEVES, THE REINFORCING DOWELS SHALL BE INSTALLED WITH NON-SHRINK GROUT.
- LIFTING LOOPS SHALL BE UNDERCUT AND PATCHED PROVIDING 2 1/2" CLEAR COVER.

## PILE DRIVING REQUIREMENTS

- PILE ULTIMATE LOADS (FACTOR OF SAFETY: 2.5 FOR COMPRESSION, 3.0 FOR TENSION)

| STRUCTURE     | PILE TYPE       | AXIAL  | TENSION | LATERAL |
|---------------|-----------------|--------|---------|---------|
| DOCK          | 14" SQ P/S CONC | 27-TON | 9-TON   | 1.7-TON |
| MOORING PILES | 12" Ø TIMBER    | N/A    | N/A     | 1.4-TON |

- ESTIMATED MINIMUM TIP ELEVATIONS

| DOCK          | PILE TYPE       | MIN TIP ELEVATION (FT) |
|---------------|-----------------|------------------------|
| FIXED DOCK    | 14" SQ P/S CONC | -31'                   |
| MOORING PILES | 12" Ø TIMBER    | -42'                   |

- ALL PILES SHALL HAVE THE MINIMUM EMBEDMENT DEPTH SPECIFIED. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT REACH THE REQUIRED PILE TIP ELEVATION.
- JETTING OF PILES WILL NOT BE PERMITTED. PRE-DRILLING ONLY PER FDOT SPECIFICATIONS. PRE-DRILLING PROCEDURES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PRE-DRILLING.
- CONTRACTOR SHALL COORDINATE PILE DRIVING SCHEDULE SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING OPERATIONS.
- SOIL INFORMATION OBTAINED FROM GEOTECHNICAL REPORT TITLED "SUBSURFACE EXPLORATION MIAMI MONAD TERRACE" BY NV5, INC. DATED NOVEMBER 20, 2015.

- OWNER SHALL RETAIN INDEPENDENT CONSULTANT TO CONDUCT PRE/POST INSPECTION OF ADJACENT STRUCTURES IN ACCORDANCE WITH FDOT SPECIFICATION 108-2.1.2. CONSULTANT SHALL MONITOR VIBRATIONS DURING PILE DRIVING.

- OWNER TO RETAIN SPECIALTY ENGINEER TO OBSERVE PILE DRIVING AND PREPARE REPORT CONFIRMING PILE DRIVING REQUIREMENTS.

## EPOXY DOWEL AND ANCHORS

- DOWEL AND ANCHOR EMBEDMENT AND HOLE DIAMETER SHALL BE PER MANUFACTURER'S RECOMMENDATIONS TO DEVELOP 150% OF THE DOWEL OR ANCHOR BOLT TENSILE CAPACITY.
- FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION.
- DRILLED HOLES SHALL HAVE ROUGHENED INTERIOR SURFACE AS PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL LOCATE REINFORCEMENT PRIOR TO DRILLING HOLES, SO AS NOT TO DAMAGE THE REINFORCING STEEL.
- THE CONTRACTOR SHALL PREPARE A TEMPLATE AND DRILL REQUIRED HOLES.
- EPOXY BONDING COMPOUNDS SHALL BE IN ACCORDANCE WITH FDOT 937 AND 926. NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH FDOT SECTION 934.
- CONTRACTOR SHALL USE A CARBIDE TIP DRILL. PERCUSSION ROCK DRILL SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE MIXING AND APPLICATION OF EPOXY.
- CONTRACTOR SHALL SUBMIT MANUFACTURER'S DATA SHEET AND RECOMMENDATIONS FOR APPROVAL.

## MISCELLANEOUS METALS AND FABRICATIONS

- STAINLESS STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
  - STAINLESS PLATES, BARS, FABRICATIONS AND HARDWARE ASTM A276, TYPE 316L
  - STAINLESS HEX HEAD BOLTS ASTM A193, A320, F593, TYPE 316L
  - STAINLESS NUTS ASTM F594, TYPE 316L
  - STAINLESS STANDARD FLAT WASHERS ASTM F844, TYPE 316L

## TIMBER CONSTRUCTION

- ALL TIMBER CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- TIMBER RELATED MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
  - FENDER PILES: GREENHEART TIMBER.
- TIMBER DIMENSIONS INDICATED ON DRAWINGS ARE NOMINAL DIMENSIONS.
- CONTRACTOR SHALL PROVIDE MATERIAL CERTIFICATIONS FOR ALL PERMANENT MATERIAL INCLUDING BUT NOT LIMITED TO TIMBER, TIMBER TREATMENT, AND CONNECTING HARDWARE

## TIMBER PILES

- ALL TIMBER CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- TIMBER PILES SHALL BE DRIVEN TO THE TIP ELEVATION INDICATED ON THE DRAWINGS, USING A HAMMER OF AN APPROVED TYPE, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATION FOR THE TOTAL WEIGHT OF PILE AND THE CHARACTER OF THE SUBSURFACE MATERIAL TO BE ENCOUNTERED.
- TIMBER PILES SHALL CONFORM TO ASTM D 25 AND FDOT STANDARD SPECIFICATION 953.

## DECK GRATING

FIBERGLASS GRATING WITH MIN. 43% OPEN AREA SHALL CONFORM TO ASTM F3059

**RED - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
NAME: Ashley Dominguez  
DATE: 07/25/2023

Timothy K. Blankenship  
PE No. 55910

2023.04.12  
2 09:38:12  
-04'00"  
09:39:21  
-04'00"  
11.0.23



Paul Vogel Park  
North Bay Village  
7800 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33156  
PH: 305-285-5400  
EAC PROJECT No. 1907SLD01-09

SUB-CONSULTANT:  
**moffatt & nichel**  
2897 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE 2**

KEY MAP:

| NO. | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
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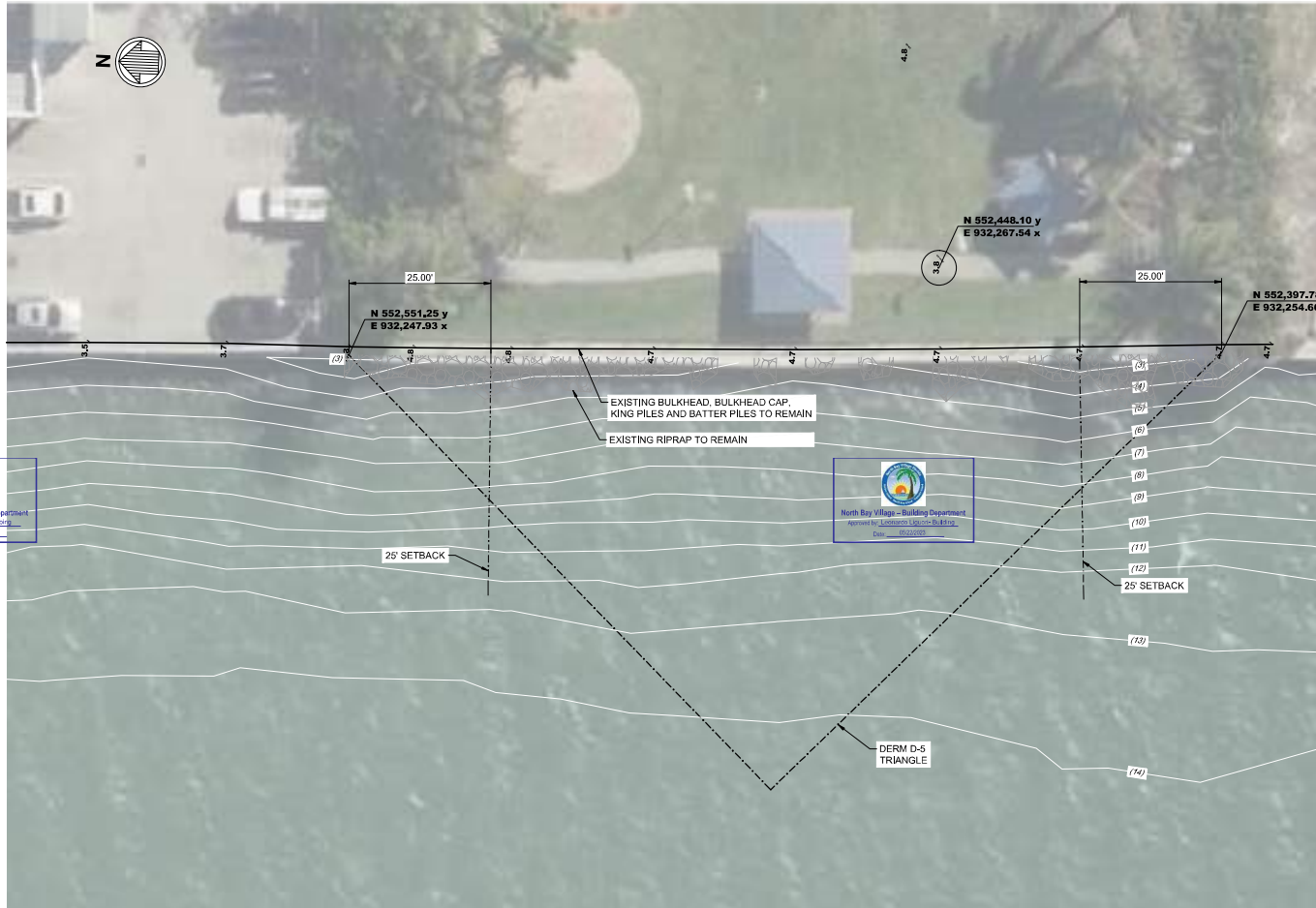
DATE ISSUED: March 3, 2023  
DESIGNED BY: VB  
DRAWN BY: CC  
REVIEWED BY: GWS  
SEAL:

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-04'00"  
09:39:21  
-04'00"  
11.0.23  
TIM BLANKENSHIP  
FL LICENSE No. 0055910  
SHEET TITLE:

STRUCTURAL  
NOTES

SHEET NO.  
S-002

PERMIT SUBMITTAL



1. REFER TO SURVEY NOTES ON SHEET G-002.

**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
**NAME** Ashley Dominguez  
**DATE** 07/25/2023

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME Lindsay Elam  
DATE 02/15/2023

2023.04.12  
09:39:59 -04'00'  
11.0.23

2023.02.0  
9 12:06:58  
-05'00'  
11.0.23

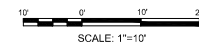
TIM BLANKENSHIP  
FL LICENSE No. 0055910

SHEET TITLE:

WATERSIDE  
EXISTING  
CONDITIONS

SHEET NO. V-101

PERMIT SUBMITTAL







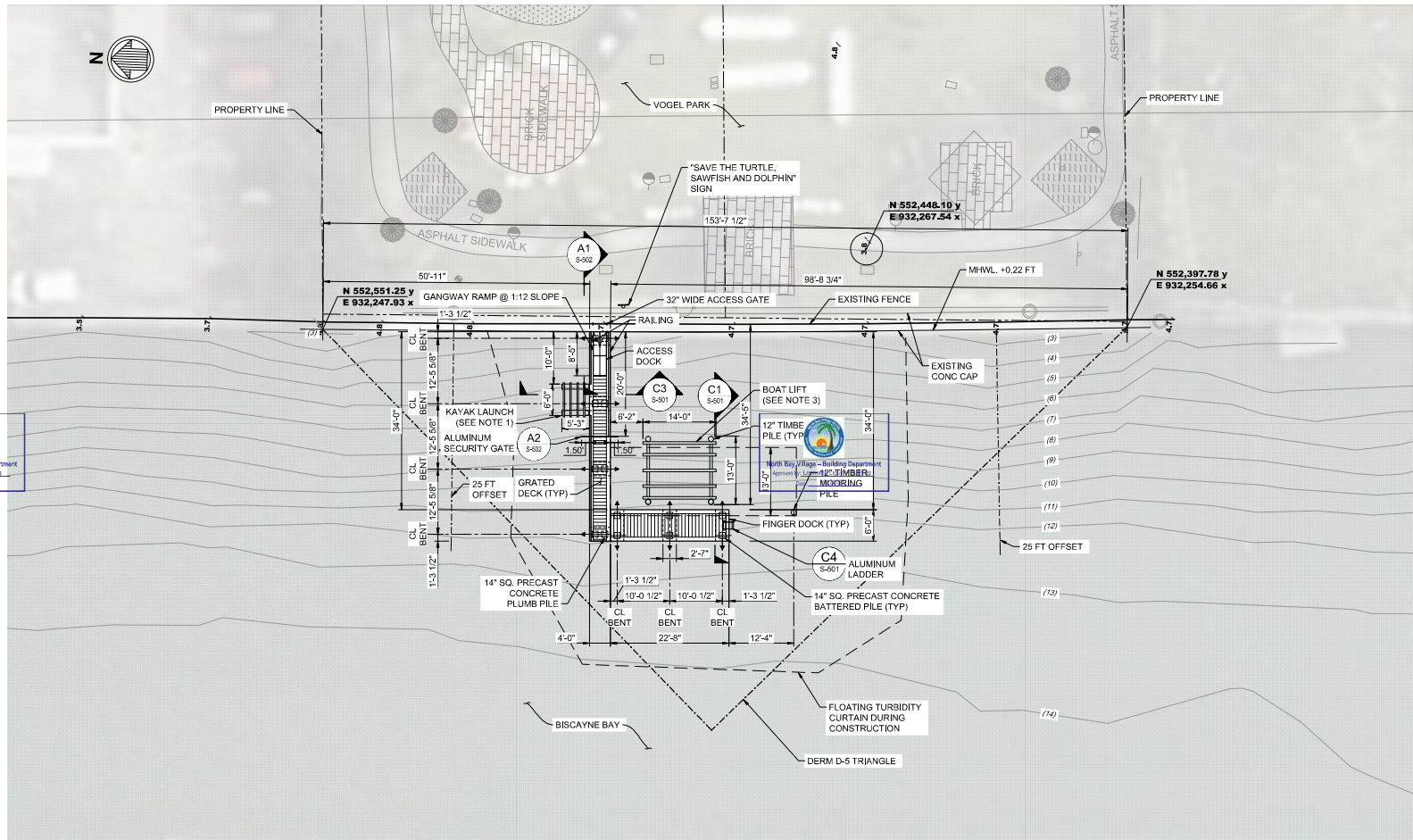
North Bay Village - Building Department  
Approved by: Ashley Dominguez - Electrical  
Date: 02/25/2023



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Electrical  
Date: 02/25/2023



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Electrical  
Date: 02/25/2023



#### DOCK SUMMARY:

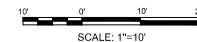
|                       |                                              |
|-----------------------|----------------------------------------------|
| DOCK                  | 296.02 SF                                    |
| SLIPS                 | 2 (1 35-FOOT POWERBOAT W/LIFT; 1 KAYAK LIFT) |
| PILE CAPS             | 7                                            |
| 14" SQ CONCRETE PILES | 14                                           |
| 12" Ø TIMBER PILES    | 5                                            |
| RAILING               | 54 FT                                        |
| PRE-EMPTED AREA       | 732 SF                                       |

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME Lindsay Elam  
DATE 02/15/2023

RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL  
NAME Ashley Dominguez  
DATE 07/25/2023

#### NOTES:

- KAYAK LAUNCH SHALL BE 7-STEP HEAVY DUTY GOLDEN BOAT LIFT KAYAK LAUNCH OR APPROVED EQUAL. MAX. 350 LB CAPACITY OVER WATER. DIMENSIONS ARE 63" X 72" FOR FRAME.
- REFER TO TURBIDITY CURTAIN NOTES ON SHEET S-001 AND TYPICAL DETAILS ON SHEET S-001.
- BOAT LIFT SHALL BE GOLDEN ENGINEERED 4-POST, 2-MOTOR SEA DRIVE, 16,000 LBS BOAT LIFT OR APPROVED EQUAL.



PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7800 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

#### CONSULTANT:



9555 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-265-5400  
EAC PROJECT NO. 19075.L001-09

#### SUB-CONSULTANT:



2637 SW 27th Ave., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

#### PROJECT:

VOGEL PARK  
MARINE FACILITY  
PHASE 2

#### KEY MAP:

#### REVISIONS:

| NO. | DESCRIPTION | DATE | BY |
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DATE ISSUED: April 22, 2022

DESIGNED BY: VB

DRAWN BY: CC

REVIEWED BY: KT

SEAL

2023.04.  
12  
09:40:36  
-04'00"  
11.0.23

timothy k. blankenship  
PE No. 51910

2023.02.0  
9 12:07:30  
-05'00"  
11.0.23

timothy k. blankenship  
PE No. 51910

TIM BLANKENSHIP  
FL LICENSE No. 0055910

#### SHEET TITLE:

SITE PLAN

#### SHEET NO.

S-101

PERMIT SUBMITTAL



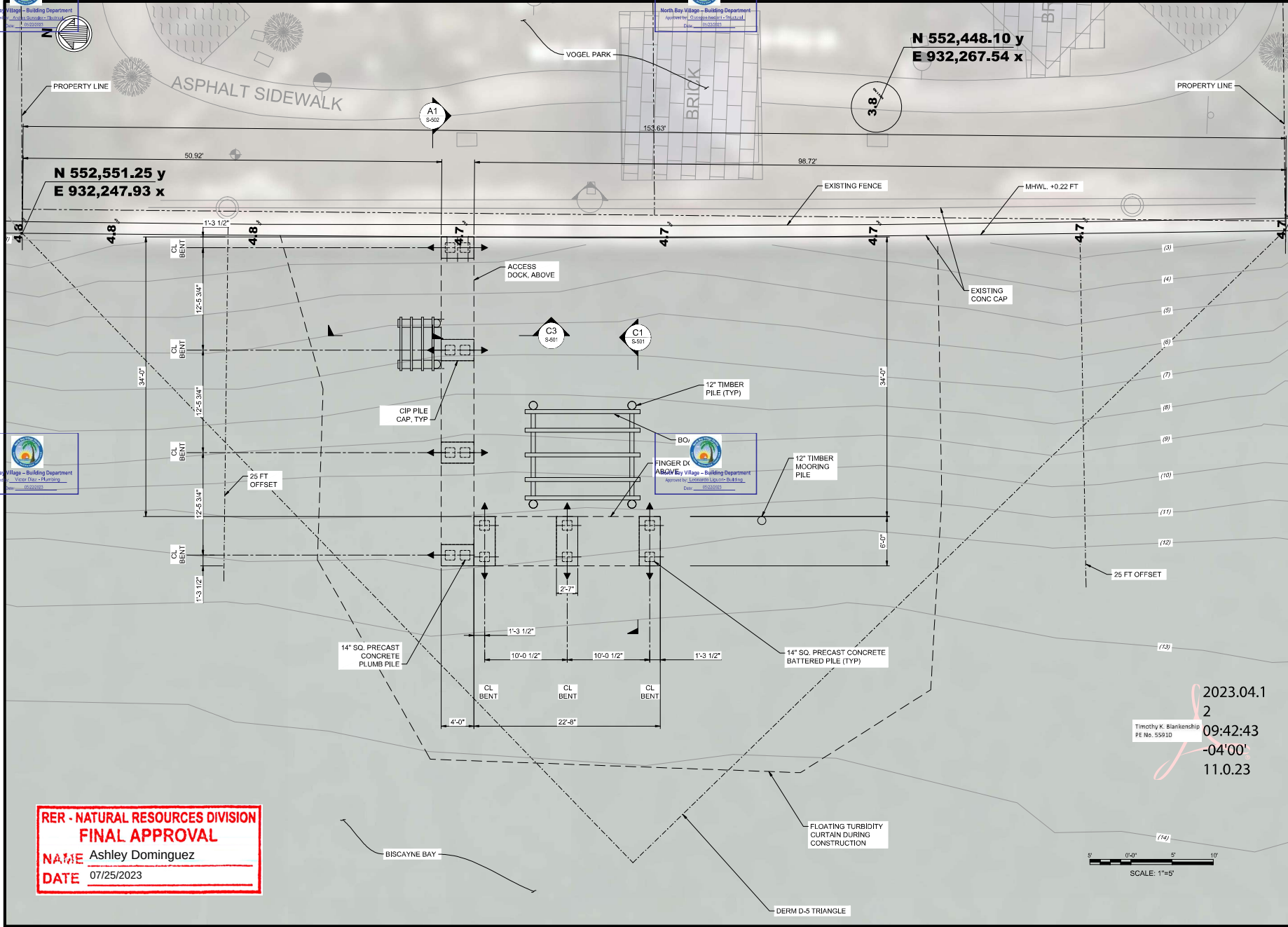
North Bay Village - Building Department  
Approved by: Ashley Dominguez - Planning  
Date: 07/25/2023



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Planning  
Date: 07/25/2023



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Planning  
Date: 07/25/2023



**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
**NAME** Ashley Dominguez  
**DATE** 07/25/2023

SCALE: 1"=5'

2023.04.12  
09:42:43  
-04'00"  
11.0.23

Timothy K. Blankenship  
PE No. 55910

PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7802 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-265-5400  
EAC PROJECT NO. 1907SL001-09

**mottatt & nichel**  
2937 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

**VOGEL PARK  
MARINE FACILITY  
PHASE 2**

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DATE ISSUED:  
DESIGNED BY: VB  
DRAWN BY: CC  
REVIEWED BY: GWS

SEAL  
2023.04.12  
09:42:43  
-04'00"  
11.0.23  
TIM BLANKENSHIP  
FL LICENSE No. 0055910

SHEET TITLE:  
**PILE PLAN**

SHEET NO.  
**S-102**

PERMIT SUBMITTAL

PLAN SCALE CORRESPONDING TO PLAN SCALE: 1"=5' FOR THE PLAN SCALE. ALL DIMENSIONS ARE IN FEET AND INCHES. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.





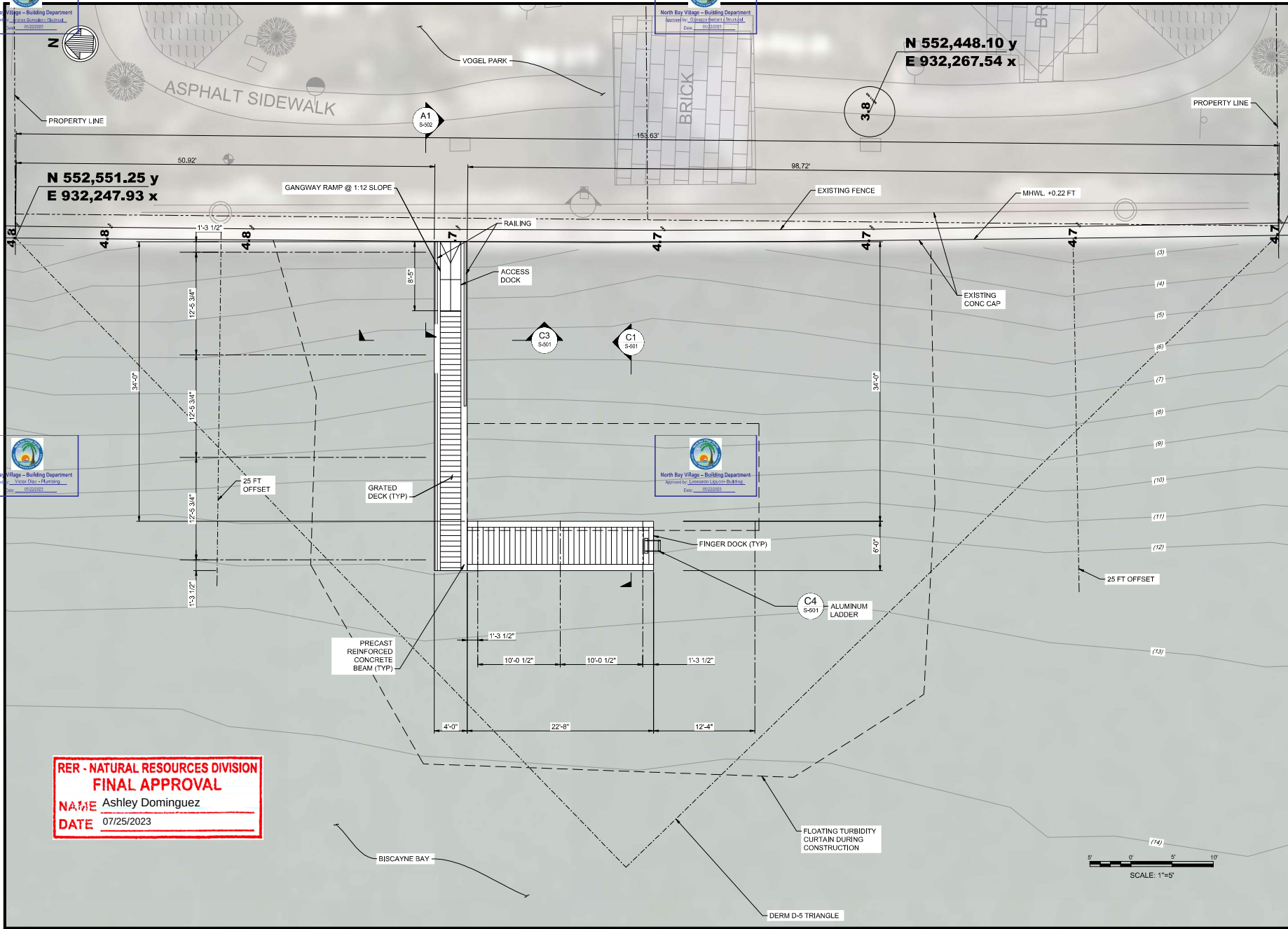
North Bay Village - Building Department  
Approved by: [Signature]  
Date: 07/25/2023



North Bay Village - Building Department  
Approved by: [Signature]  
Date: 07/25/2023



North Bay Village - Building Department  
Approved by: [Signature]  
Date: 07/25/2023



**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
NAME Ashley Dominguez  
DATE 07/25/2023

**PAUL VOGEL PARK**  
**NORTH BAY VILLAGE**  
7802 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-265-5400  
EAC PROJECT NO. 1907SL001-09

SUB-CONSULTANT:  
**moffatt & nichol**  
2837 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

PROJECT:  
**VOGEL PARK**  
**MARINE FACILITY**  
**PHASE 2**

KEY MAP:  
[Map showing the location of the project within the larger context of the park and surrounding areas.]

REVISIONS:

| NO. | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
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DATE ISSUED:  
DESIGNED BY: VB  
DRAWN BY: CC  
REVIEWED BY: GWS

SEAL:  
2023.04.  
12  
09:43:37  
-04'00'  
11.0.23  
TIM BLANKENSHIP  
FL LICENSE No. 0055919

SHEET TITLE:  
**DECK PLAN**

SHEET NO.  
**S-103**

PERMIT SUBMITTAL

PLAN SCALE CORRESPONDING TO PLAN SCALE: 1"=5' IF PLANTED ON OTHER SIZE, FOR USE NOT WARRANT THE ACCURACY OF THE PLAN SCALE. (PLAN SCALE: 1"=5' AS SHOWN, UNLESS NOTED OTHERWISE)



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 02/22/2023



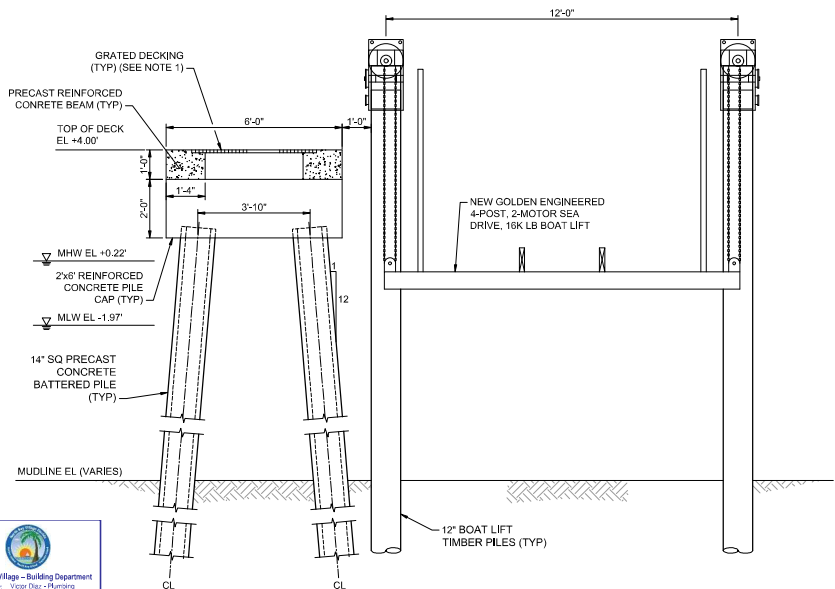
North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 02/22/2023



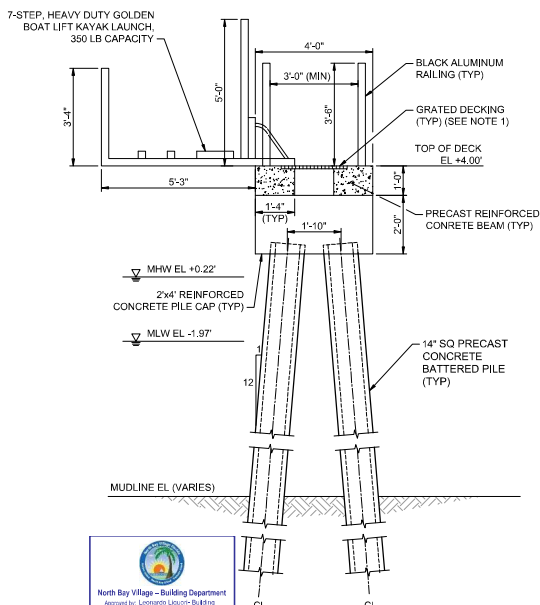
North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 02/22/2023

Notes

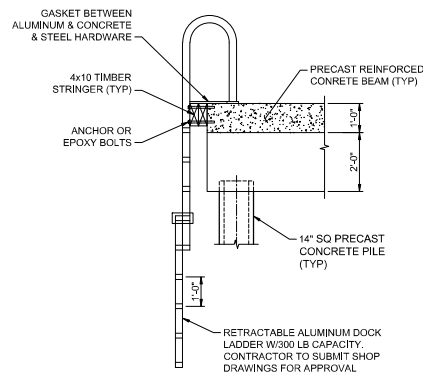
1. GRATED DECKING MUST ALLOW THE PASSAGE OF LIGHT THROUGH THE OPEN SPACES WITH A MINIMUM OF 43% OPEN SPACE.



C1 SECTION - DOCK AND BOAT LIFT  
SCALE: 1/2" = 1'-0"



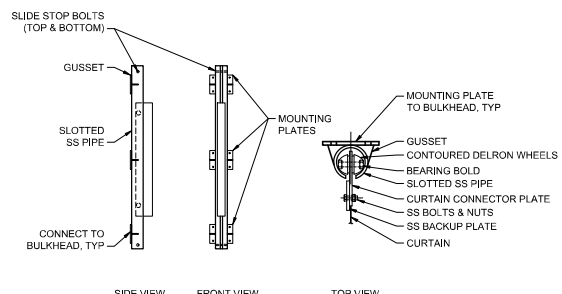
C3 SECTION - ACCESS DOCK  
SCALE: 1/2" = 1'-0"



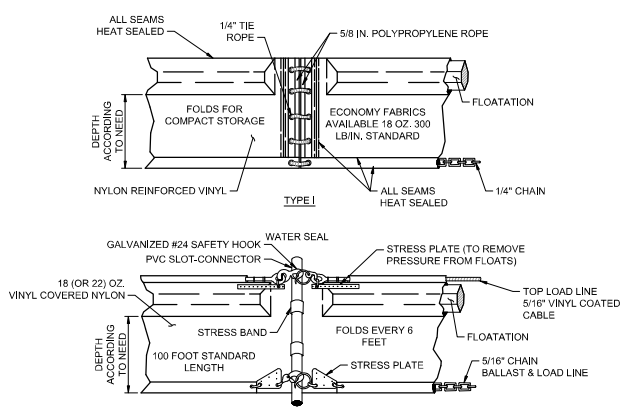
C4 DETAIL - LADDER  
SCALE: 1/2" = 1'-0"

RER - NATURAL RESOURCES DIVISION  
PRELIMINARY APPROVAL  
NAME Lindsay Elam  
DATE 02/15/2023

RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL  
NAME Ashley Dominguez  
DATE 07/25/2023



A1 DETAIL - TURBIDITY CURTAIN  
SCALE: NTS



A3 SECTION - TURBIDITY CURTAIN  
SCALE: NTS

SCALE: 1/2" = 1'-0"

PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7800 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
9559 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-265-5400  
EAC PROJECT NO. 190753.001-09

SUB-CONSULTANT:  
**moftatt & nichel**  
2837 SW 27TH AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE 2**

KEY MAP:

| NO. | DESCRIPTION | DATE | BY |
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DATE ISSUED: April 12, 2022  
DESIGNED BY: VB  
DRAWN BY: CC  
REVIEWED BY: KT

2023.04.12  
09:44:29  
-04:00'  
11.0.23  
2023.02.09  
12:07:58  
-05:00'  
11.0.23  
TIM BLANKENSHIP  
FL LICENSE NO. 0055916

SHEET TITLE:  
**DOCK DETAILS  
(1 OF 2)**

SHEET NO.  
**S-501**

PERMIT SUBMITTAL



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Electrical  
Date: 07/25/2023



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Electrical  
Date: 07/25/2023



North Bay Village - Building Department  
Approved by: Ashley Dominguez - Electrical  
Date: 07/25/2023

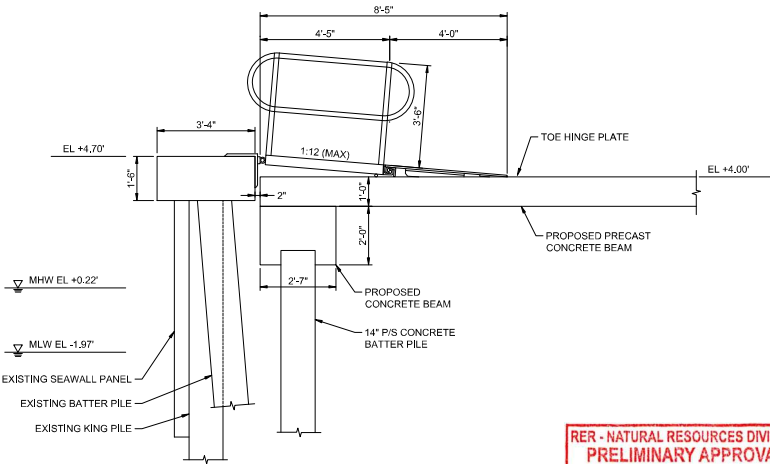
**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
NAME Ashley Dominguez  
DATE 07/25/2023



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 08/02/2023

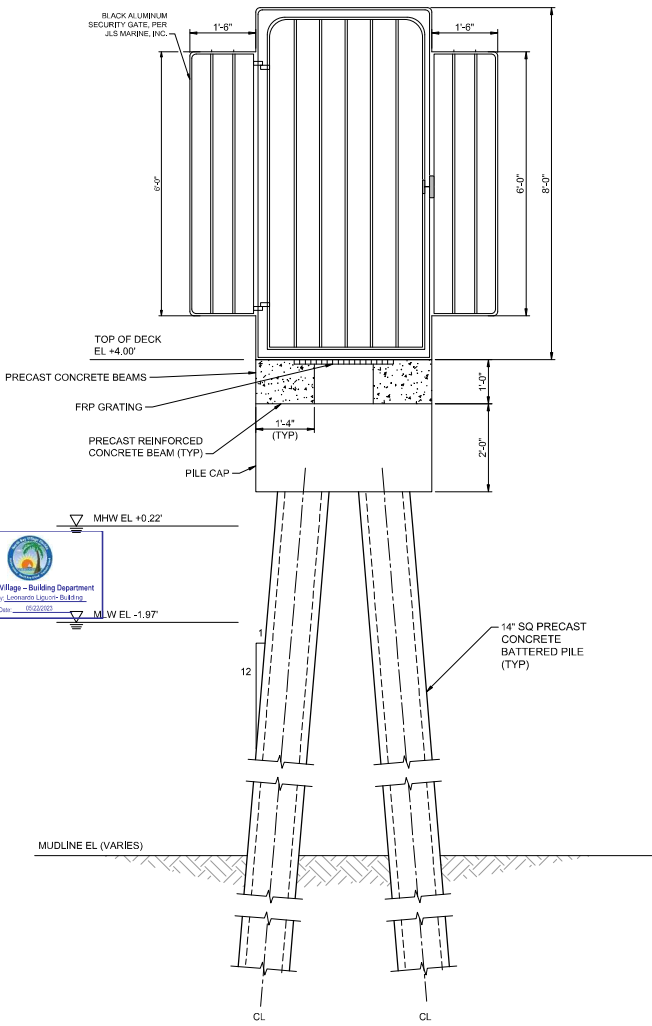


North Bay Village - Building Department  
Approved by: Lindsay Elam - Building  
Date: 02/15/2023

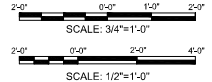


**A1** SECTION - GANGWAY  
SCALE: 1/2"=1'-0"

**RER - NATURAL RESOURCES DIVISION**  
**PRELIMINARY APPROVAL**  
NAME Lindsay Elam  
DATE 02/15/2023



**A2** SECURITY GATE  
SCALE: 3/4"=1'-0"



PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7800 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33156  
PH 305-265-5400  
EAC PROJECT No. 1907SL001-09

SUB-CONSULTANT:  
**moffatt & nichel**  
2837 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE 2**

KEY MAP:

| REVISIONS: |             |      |    |
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DATE ISSUED: April 22, 2022  
DESIGNED BY: VB  
DRAWN BY: CL  
REVIEWED BY: KT

SEAL:  
2023.04.12  
12:08:37  
-05'00"  
11.0.23  
TIM BLANKENSHIP  
FL LICENSE No. 0055910

SHEET TITLE:  
**DOCK DETAILS  
(2 OF 2)**

SHEET NO.  
**S-502**

PERMIT SUBMITTAL

PLAN SCALE CORRESPONDING TO PLAN SCALE. IF PLAN SCALE DOES NOT MATCH THE PLAN SCALE, THE PLAN SCALE SHALL BE USED. IF PLAN SCALE DOES NOT MATCH THE PLAN SCALE, THE PLAN SCALE SHALL BE USED.





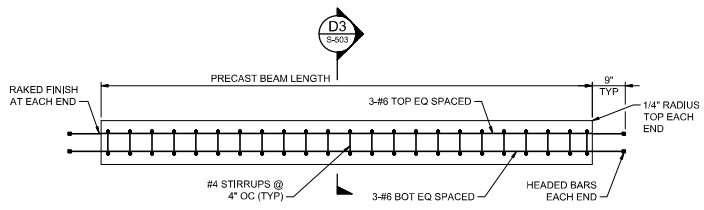
North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 07/25/2023



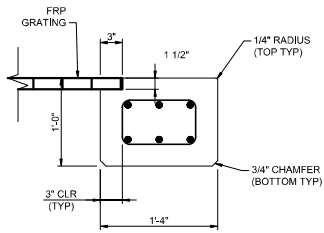
North Bay Village - Building Department  
Approved by: Christopher Heston - Structural  
Date: 07/25/2023



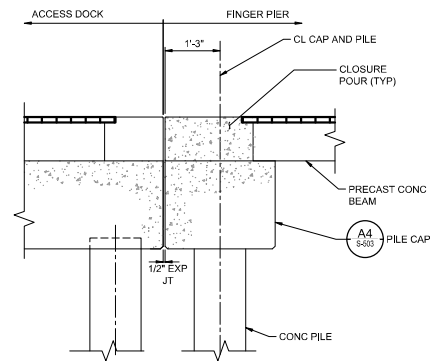
North Bay Village - Building Department  
Approved by: Christopher Heston - Structural  
Date: 07/25/2023



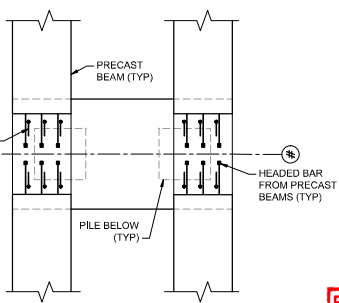
D1 PRECAST BEAM ELEVATION  
SCALE: 3/4"=1'-0"



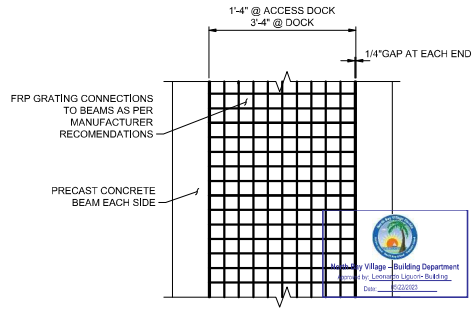
D3 PRECAST BEAM SECTION  
SCALE: 1 1/2"=1'-0"



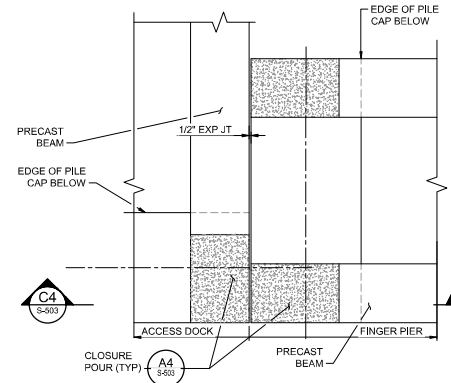
C4 SECTION AT END OF ACCESS DOCK  
SCALE: 3/4"=1'-0"



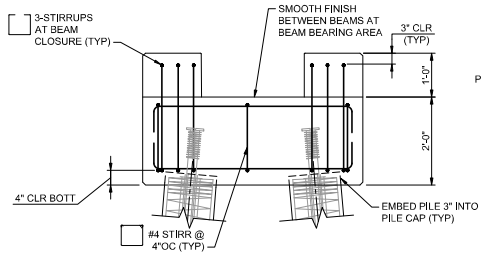
B1 PILE CAP REINFORCING PLAN  
SCALE: 3/4"=1'-0"



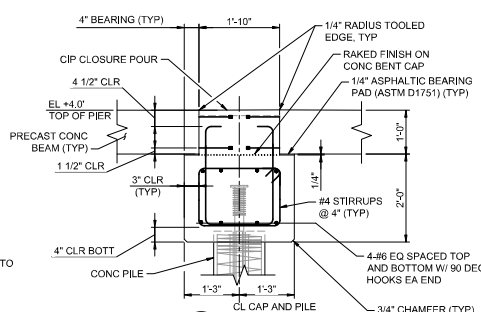
B3 GRATING DECK  
SCALE: 3/4"=1'-0"



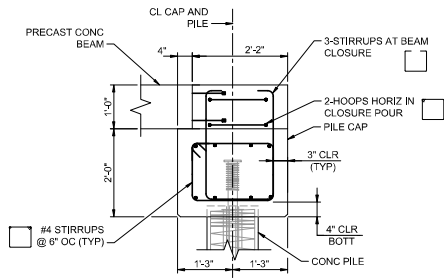
B5 ENLARGED PLAN AT END OF ACCESS DOCK  
SCALE: 3/4"=1'-0"  
NOTE: GRATING NOT SHOWN FOR CLARITY.



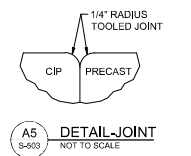
A1 PILE CAP REINFORCING ELEVATION  
SCALE: 3/4"=1'-0"



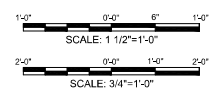
A2 SECTION  
SCALE: 3/4"=1'-0"



A4 - SECTION AT END OF FINGER PIER  
SCALE: 3/4"=1'-0"



A5 DETAIL - JOINT  
NOT TO SCALE



**RER - NATURAL RESOURCES DIVISION  
FINAL APPROVAL**  
NAME: Ashley Dominguez  
DATE: 07/25/2023

PAUL VOGEL PARK  
NORTH BAY VILLAGE  
7002 WEST DRIVE  
NORTH BAY VILLAGE, FL 33141

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33126  
PH: 305-265-5400  
EAC PROJECT NO. 1907SL001-09

SUB-CONSULTANT:  
**moffatt & nichel**  
2837 SW 27th AVE., STE 101A  
MIAMI, FL 33133  
305-230-1924  
(FL EB 4877)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE 2**

KEY MAP:

| NO. | DESCRIPTION | DATE | BY |
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DATE ISSUED:  
DESIGNED BY: VB  
DRAWN BY: CL  
REVIEWED BY: GWS  
SEAL:

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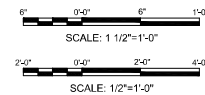
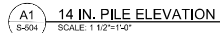
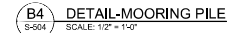
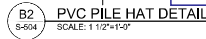
TIM BLANKENSHIP  
FL LICENSE NO. 9055910

SHEET TITLE:  
**STRUCTURAL DETAILS  
(1 OF 2)**

SHEET NO.:  
**S-503**

PERMIT SUBMITTAL

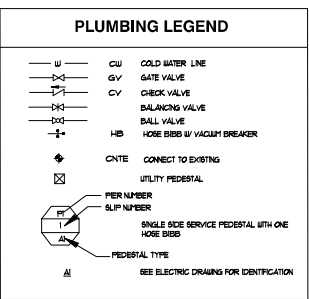
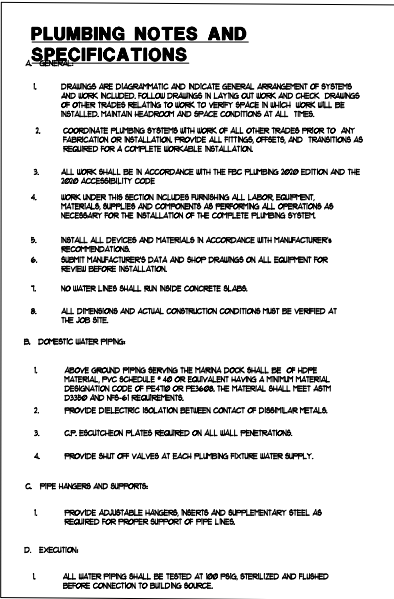
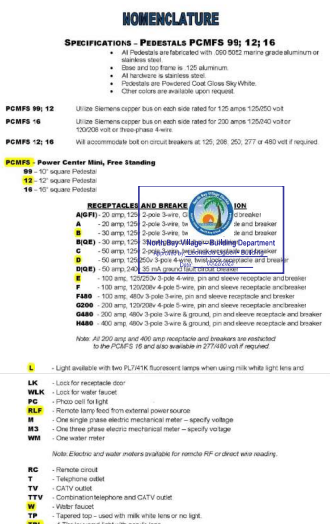
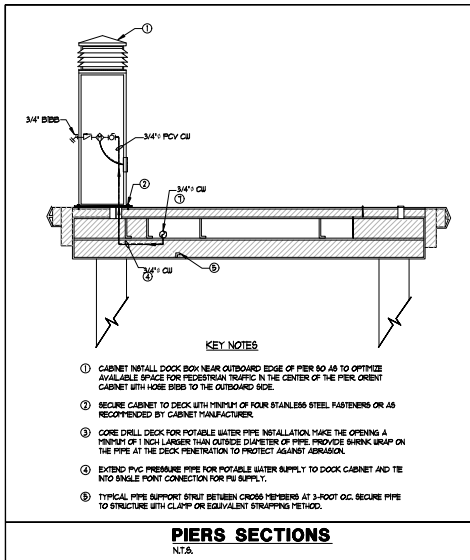
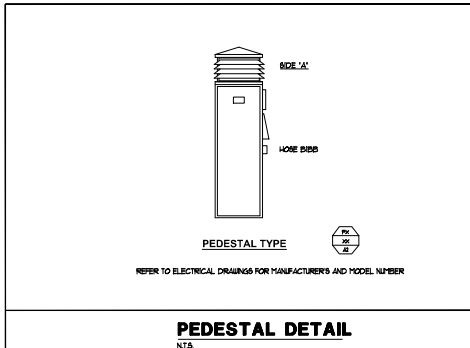
PLAN SHALL CONFORM TO ALL CITY, STATE AND FEDERAL REQUIREMENTS. IF ANY DISCREPANCY EXISTS, THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS.



**RER - NATURAL RESOURCES DIVISION**  
**FINAL APPROVAL**  
**NAME** Ashley Dominguez  
**DATE** 07/25/2023

PERMIT SUBMITTAL

PLAN SCALE CORRESPONDS TO PLOT SIZE 24"X36". IF PLOTTED ON OTHER SIZE, EOR DOES NOT WARRANT THE ACCURACY OF THE PLAN SCALE. C:\MIA\10007-04-20 CAD\DOCK\_ACTIVE\_VOGEL\_PARK.DOCK110207048-50-A.DWG March 9, 2025 11:18 AM GARCIA, HAROLD



NORTH BAY VILLAGE

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33156  
PH: 305-285-5400  
EAC PROJECT NO. 1907SLD01-09

SUB-CONSULTANT:  
Project No. - 21087  
**BASULTO**  
CONSULTING ENGINEERS  
Rene I. Basulto, P.E.  
1448 Palmetto Forestry Road  
Suite 202, Miami Lakes, FL 33014  
PH: 408-6111 • F: 305-434-1232  
www.basulto.com

DESIGN TICKET NO. 088304263  
**Sunshine**  
Call 811 or www.connect11.com to find full  
buried and/or shallow utilities to avoid utility  
location and marking.  
(www.connect11.com)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE II**

KEY MAP:

| NO. | DESCRIPTION | DATE | BY |
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DATE ISSUED: May 02, 2022  
DESIGNED BY: C.Y.  
DRAWN BY: D.T.  
REVIEWED BY: C.Y.

SEAL  
Rene I. Basulto  
Professional Engineer  
No. 40869  
FL 13412  
04-10-2023  
RENE I. BASULTO, P.E.  
P.E. #9869

GENERAL NOTES,  
SYMBOLS LEGEND  
AND  
DETAILS

SHEET NO.  
**P-1.0**

100% CONSTRUCTION DOCUMENTS

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North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023



North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023



**OVERALL SITE PLAN**  
SCALE: 1" = 10'-0"

NORTH BAY VILLAGE

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33156  
PH: 305-265-5400  
EAC PROJECT NO. 1907SLD01-09

SUB-CONSULTANT:  
Project No. - 21087  
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1448 Palmetto-Forestry Road  
Suite 212, Miami Lakes, FL 33014  
www.basulto.com  
305-498-3468, Fax: 305-498-3469

DESIGN TICKET NO. 085302420  
**Sunshine**  
Call 811 or www.sunshine11.com for full  
buried and/or surface utility information  
located and marked.  
(Not responsible for utility location or depth)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE II**

KEY MAP:

| NO. | DESCRIPTION | DATE | BY |
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DATE ISSUED: May 2, 2022  
DESIGNED BY: C.Y.  
DRAWN BY: D.T.  
REVIEWED BY: C.Y.

SEAL  
Rene I. Basulto  
No. 40869  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
04-10-2023  
RENE I. BASULTO, P.E.  
P.E. 40869

SHEET TITLE:  
**OVERALL PLUMBING  
SITE PLAN**

SHEET NO.  
**P-2.0**

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North Bay Village - Building Department  
Approved by: Ardena Sotomayor - Electrical  
Date: 05/02/2023



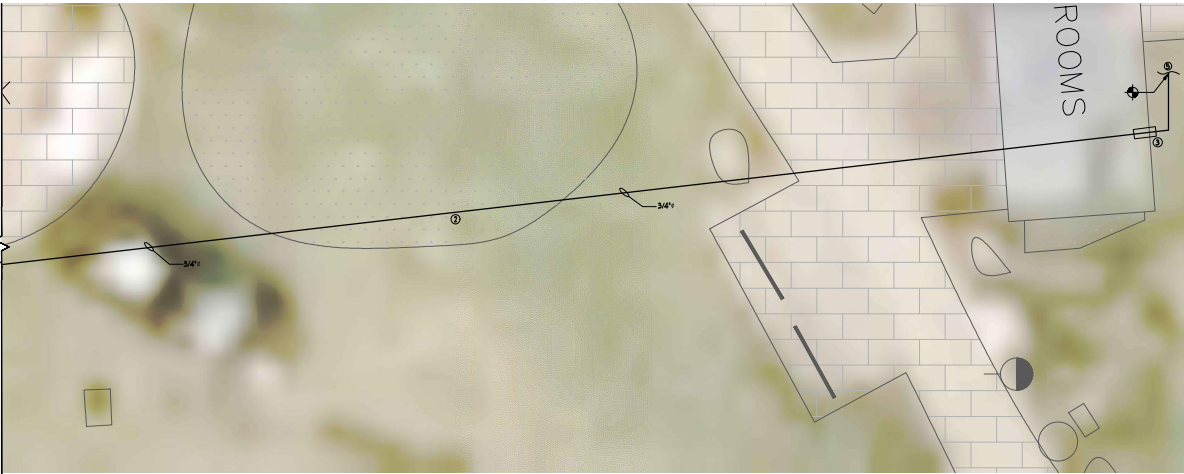
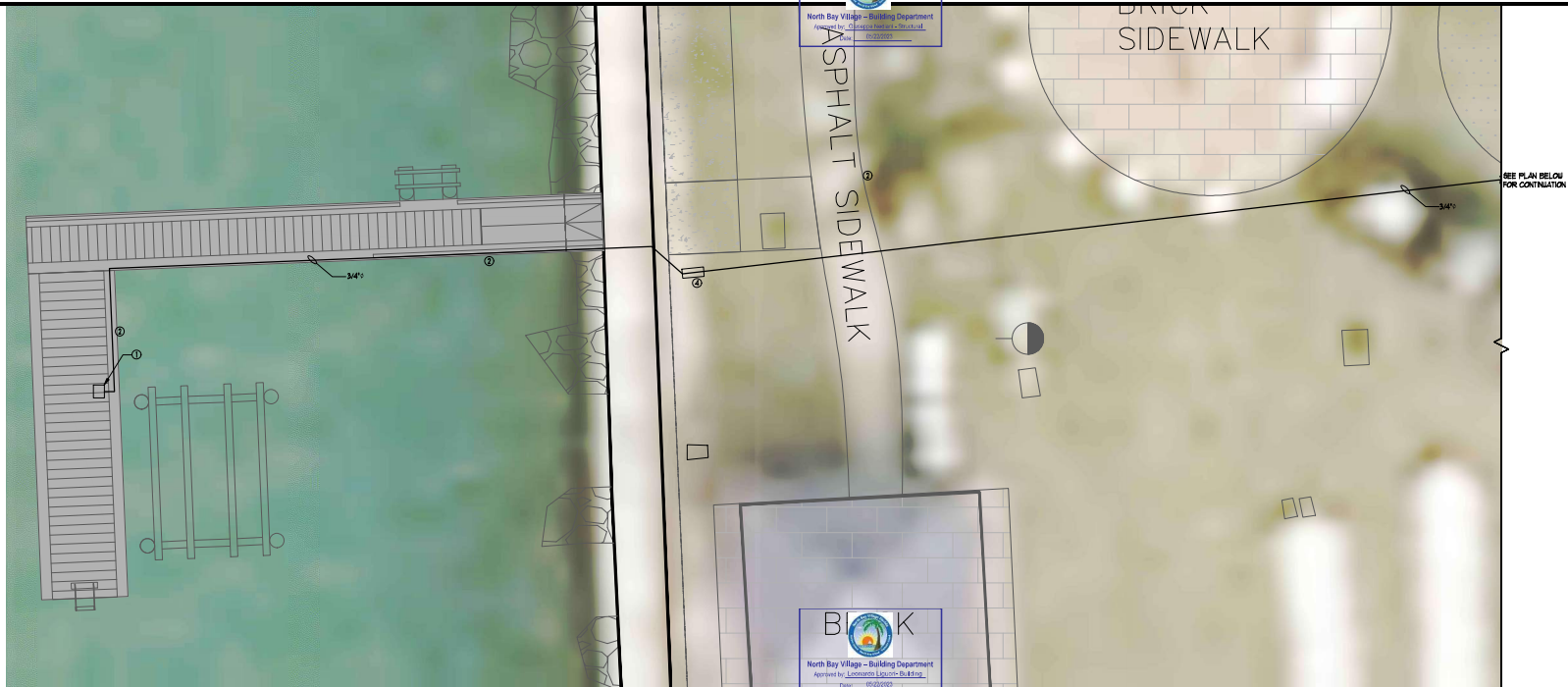
North Bay Village - Building Department  
Approved by: Vicente Diaz - Plumbing  
Date: 05/02/2023



North Bay Village - Building Department  
Approved by: Ardena Sotomayor - Electrical  
Date: 05/02/2023

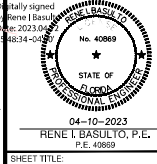


North Bay Village - Building Department  
Approved by: Ardena Sotomayor - Electrical  
Date: 05/02/2023



- KEY NOTES**
- ① NEW MARINA POLDER PRECASTAL WITH GENERAL PURPOSE RECEPTACLE AND WATER CONNECTION.
  - ② 3/4" DOMESTIC WATER PIPE.
  - ③ DIRECTIONAL DRILL ENTRANCE PIT
  - ④ DIRECTIONAL DRILL EXIT PIT
  - ⑤ CONNECTING TO EXISTING DOMESTIC WATER PIPE. THE EXACT LOCATION OF THE PIPES HAS TO BE FOUND ON THE FIELD BY THE CONTRACTOR.

Rene I Basulto



**ENLARGED PLUMBING DOCK PLAN**

**P-3.0**

100% CONSTRUCTION DOCUMENTS

**ENLARGED DOCK PLAN**  
SCALE: 1/4" = 1'-0"

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REPRODUCTION OF SUCH OR USE OF ELECTRONIC FILES IN PART OR WHOLE IS FORBIDDEN WITHOUT WRITTEN PERMISSION AND APPROPRIATE COMPENSATION.

PLAN SHALL CORRESPOND TO EACH SHEET. IF PLotted ON A 24" X 36" SHEET, THE SCALE OF THE PLAN SHALL BE 1/4" = 1'-0". THE SCALE OF THE PLAN SHALL BE 1/4" = 1'-0". THE SCALE OF THE PLAN SHALL BE 1/4" = 1'-0".

### ELECTRICAL LEGEND

|     |                                                                                                                                                                                                                                  |    |                                                                    |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------|
| ⓪   | LIGHTING FIXTURE TYPE DESIGNATION - SEE SCHEDULE                                                                                                                                                                                 | ⓪  | STATISTICAL OUTLET, 466" - VERIFY HEIGHT AND LOCATION              |
| 1   | 2x4 LED LIGHT FIXTURE - RECESSED                                                                                                                                                                                                 | TV | INSTRUMENTAL TELEVISION SYSTEM OUTLET (TV)                         |
| 2   | 2x4 LED LIGHT FIXTURE - RECESSED - EMERGENCY                                                                                                                                                                                     | TV | INSTRUMENTAL TELEVISION SYSTEM (TV) BROADCAST OUTLET               |
| 3   | 1x4 LED LIGHT FIXTURE - SURFACE/PENDANT/RECESSED                                                                                                                                                                                 | ⓪  | MONOPHONIC SUSPENDED FROM CEILING                                  |
| 4   | 1x4 LED LIGHT FIXTURE - SURFACE/PENDANT/RECESSED EMERGENCY LIGHT                                                                                                                                                                 | ⓪  | MONOPHONIC OUTLET, WALL MOUNTED +18" AFF. OR AS NOTED              |
| 5   | 2x2 LED LIGHT FIXTURE - RECESSED                                                                                                                                                                                                 | ⓪  | SOUND SYSTEM SPEAKER, FLUSH IN CEILING, SUB LETTER DENOTES CHANNEL |
| 6   | 2x2 LED LIGHT FIXTURE - RECESSED EMERGENCY                                                                                                                                                                                       | ⓪  | SOUND SYSTEM MONITOR SPEAKER, WALL MOUNTED                         |
| 7   | LED LIGHT FIXTURE - STRIP                                                                                                                                                                                                        | ⓪  | VOLUME CONTROL                                                     |
| 8   | LED LIGHT FIXTURE - EMERGENCY - STRIP                                                                                                                                                                                            | ⓪  | CLOCK SYSTEM PROGRAM BELL                                          |
| 9   | LED LIGHT FIXTURE - DOWNLIGHT RECESSED                                                                                                                                                                                           | ⓪  | OCCUPANCY SENSOR CEILING MOUNTED                                   |
| 10  | LED LIGHT FIXTURE - DOWNLIGHT RECESSED EMERGENCY                                                                                                                                                                                 | ⓪  | INTERCOM CALL BACK SWITCH                                          |
| 11  | LIGHT FIXTURE - SURFACE/WALL                                                                                                                                                                                                     | ⓪  | INTERCOM CALL BACK PRIVACY SWITCH                                  |
| 12  | LIGHT FIXTURE - SURFACE/WALL EMERGENCY                                                                                                                                                                                           | ⓪  | FAN AS NOTED. PROVIDE MOTOR RATED SWITCH AT EACH CONNECTION        |
| 13  | HUB, FIXTURE - ON WALL OR POLE                                                                                                                                                                                                   | ⓪  | PULL STATION                                                       |
| 14  | EXIT SIGN FIXTURE - CEILING/WALL - DIRECTION ARROW AS INDICATED                                                                                                                                                                  | ⓪  | EXPLOSION PROOF HEAT DETECTOR                                      |
| 15  | EMERGENCY LIGHT FIXTURE - SURFACE - BATTERY BACK UP                                                                                                                                                                              | ⓪  | ANALOG THERMAL SENSOR (HEAT DETECTOR)                              |
| 16  | TOGGLE SWITCH - 1PST, 20A, 120V/277V                                                                                                                                                                                             | ⓪  | PHOTOELECTRIC SMOKE SENSOR/ WITH PROTECTIVE COVER                  |
| 17  | TOGGLE SWITCH - 2PST, 20A, 120V/277V                                                                                                                                                                                             | ⓪  | PHOTOELECTRIC SMOKE SENSOR                                         |
| 18  | TOGGLE SWITCH - 3WAY, 20A, 120V/277V                                                                                                                                                                                             | ⓪  | DUCT HOUSING/WITH PHOTOELECTRIC SMOKE SENSOR                       |
| 19  | TOGGLE SWITCH - KEY OPERATED - 20A, 120V/277V                                                                                                                                                                                    | ⓪  | FIRE ALARM CONTROL PANEL                                           |
| 20  | MANUAL MOTOR RATED SWITCH - WITH THERMAL O.L.                                                                                                                                                                                    | ⓪  | FIRE ALARM ANNUNCIATOR PANEL (KEYBOARD, DISPLAY UNIT ANNUNCIATOR)  |
| 21  | DIMMER SWITCH - RATING AS NOTED.                                                                                                                                                                                                 | ⓪  | FIRE ALARM POWER SUPPLY                                            |
| 22  | TOGGLE SWITCH - M/OCCUPANCY SENSOR SWITCH (NOTION DETECTOR).                                                                                                                                                                     | ⓪  | FIRE ALARM TERMINAL CABINET                                        |
| 23  | CONDUIT SLEEVE (SIZE AS NOTED)                                                                                                                                                                                                   | ⓪  | FIRE ALARM SYNC MODULE                                             |
| 24  | RECEPTACLE - SINGLE - 20A, 125V, 3-WIRE (5-20R)                                                                                                                                                                                  | ⓪  | CEILING SPEAKER                                                    |
| 25  | RECEPTACLE - DUPLEX - 20A, 125V, 3-WIRE (5-20R)                                                                                                                                                                                  | ⓪  | WEATHER PROOF HORN/STROBE WALL MTD OTHERWISE NOTED                 |
| 26  | RECEPTACLE - DUPLEX - 20A, 125V, 3-WIRE (5-20R) MOUNTED ABOVE STD. HEIGHT OR ABOVE COUNTER                                                                                                                                       | ⓪  | HORN/STROBE WALL MTD OTHERWISE NOTED                               |
| 27  | SURGE SUPPRESSOR COMPUTER RECEPTACLE - HUBBELL 3530-S RECEPTACLE - DUPLEX - 20A, 125V, 3-WIRE (5-20R)                                                                                                                            | ⓪  | SPEAKER STROBE WALL MTD OTHERWISE NOTED                            |
| 28  | RECEPTACLE - GFCI DUPLEX - 20A, 125V, 3-WIRE (5-20R)                                                                                                                                                                             | ⓪  | SPEAKER STROBE WALL OR CEILING MTD                                 |
| 29  | QUAD RECEPTACLE - 20A, 125V, 3-WIRE (5-20R)                                                                                                                                                                                      | ⓪  | SPEAKER STROBE CEILING MTD                                         |
| 30  | QUAD RECEPTACLE - 20A, 125V, 3-WIRE (5-20R) MTD ABOVE STANDARD HEIGHT OR ABOVE COUNTER                                                                                                                                           | ⓪  | TAMPER SWITCH                                                      |
| 31  | RECEPTACLE - SINGLE - 30A, 250V, 3-WIRE (6-20R)                                                                                                                                                                                  | ⓪  | FLOW SWITCH                                                        |
| 32  | SPECIAL PURPOSE OUTLET AS NOTED - OR REQUIRED                                                                                                                                                                                    | ⓪  | ELECTROMAGNETIC DOOR-HOLDER                                        |
| 33  | FLOOR RECEPTACLE - DUPLEX/QUAD (OTHERWISE NOTED)                                                                                                                                                                                 | ⓪  | REMOTE TEST STATION                                                |
| 34  | FLOOR TEL/DATA OUTLET (OTHERWISE NOTED)                                                                                                                                                                                          | ⓪  | OUTPUT MODULE/ CONTROL MODULE                                      |
| 35  | FLOOR TEL OUTLET (OTHERWISE NOTED)                                                                                                                                                                                               | ⓪  | MONITOR MODULE                                                     |
| 36  | JUNCTION BOX - AS REQUIRED OR NOTED                                                                                                                                                                                              | ⓪  | ACCESS CONTROL DOOR CONTACT                                        |
| 37  | SURGE PROTECTION DEVICE, SEE PROJECT MANUAL                                                                                                                                                                                      | ⓪  | EMERGENCY SHUT-OFF BUTTON (OTHERWISE NOTED)                        |
| 38  | ENCLOSED CIRCUIT BREAKER, SIZE AS NOTED.                                                                                                                                                                                         | ⓪  | FLOOR AUDIO/VIDEO OUTLET (OTHERWISE NOTED)                         |
| 39  | HAND CONTROL PANEL, FUR. BY DIV. 15                                                                                                                                                                                              | ⓪  | ANALOG INTERFACE MODULE (A.I.M.)                                   |
| 40  | VARIABLE FREQUENCY DRIVE, FURN. BY DIV. 15                                                                                                                                                                                       | ⓪  | CONTROL DOOR                                                       |
| 41  | TRANSFORMER - DRY TYPE - SUSPENDED                                                                                                                                                                                               | ⓪  | DOOR SWITCH MONITOR                                                |
| 42  | TRANSFORMER - DRY TYPE - FLOOR MOUNTED                                                                                                                                                                                           | ⓪  | PANIC BUTTON                                                       |
| 43  | ELECTRIC PANEL - 120/200V, 3-PHASE, 4-WIRE, 5N, GROUND BUS                                                                                                                                                                       | ⓪  | MOTION DETECTOR                                                    |
| 44  | ELECTRIC PANEL - 277/480V, 3-PHASE, 4-WIRE, 5N, GROUND BUS                                                                                                                                                                       | ⓪  | CARD READER                                                        |
| 45  | SPECIAL SYSTEMS CABINET AS NOTED                                                                                                                                                                                                 | ⓪  | SECURITY CAMERA                                                    |
| 46  | SAFETY SWITCH - (3)-POLES, (30)-FRAME, (15)-FUSE                                                                                                                                                                                 | ⓪  | ABBREVIATIONS                                                      |
| 47  | SAFETY SWITCH NEMA 3R - (3)-POLES, (30)-FRAME, (15)-FUSE                                                                                                                                                                         | ⓪  | A.F.F. ACDC FINISHED FLOOR                                         |
| 48  | CONVENTION MOTOR STARTER WITH FUSED DISCONNECT                                                                                                                                                                                   | ⓪  | B.O. BOARD                                                         |
| 49  | LIGHTING CONTACTOR                                                                                                                                                                                                               | ⓪  | C.B. CIRCUIT BREAKER                                               |
| 50  | TELEPHONE OUTLET AT 18" AFF. (OR AS NOTED). RUN 1" ETC. TO CEILING EXTRA DEEP JUNCTION BOX, SPACE, PROVIDE PLUG STRING AND PLASTIC BUSHING AT BOTH ENDS. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION.                              | ⓪  | C.H. CIRCUIT BREAKER                                               |
| 51  | TELEPHONE OUTLET AT 48" AFF. (OR AS NOTED). EXTRA DEEP JUNCTION BOX FED BY (1)-1" STUB-UP CONDUIT DOING IN A 90° WITH PLASTIC BUSHING POINTING IN THE DIRECTION OF CABLE TRAY OR DIF. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION. | ⓪  | C.I. CIRCUIT BREAKER                                               |
| 52  | DATA OUTLET AT 18" AFF. (OR AS NOTED). EXTRA DEEP JUNCTION BOX FED BY (1)-1" STUB-UP CONDUIT DOING IN A 90° WITH PLASTIC BUSHING POINTING IN THE DIRECTION OF CABLE TRAY OR DIF. SEE FLOOR PLAN FOR ADDITIONAL INFORMATION.      | ⓪  | C.R. CIRCUIT BREAKER                                               |
| 53  |                                                                                                                                                                                                                                  | ⓪  | C.S. CIRCUIT BREAKER                                               |
| 54  |                                                                                                                                                                                                                                  | ⓪  | C.T. CIRCUIT BREAKER                                               |
| 55  |                                                                                                                                                                                                                                  | ⓪  | C.U. CIRCUIT BREAKER                                               |
| 56  |                                                                                                                                                                                                                                  | ⓪  | C.V. CIRCUIT BREAKER                                               |
| 57  |                                                                                                                                                                                                                                  | ⓪  | C.W. CIRCUIT BREAKER                                               |
| 58  |                                                                                                                                                                                                                                  | ⓪  | C.X. CIRCUIT BREAKER                                               |
| 59  |                                                                                                                                                                                                                                  | ⓪  | C.Y. CIRCUIT BREAKER                                               |
| 60  |                                                                                                                                                                                                                                  | ⓪  | C.Z. CIRCUIT BREAKER                                               |
| 61  |                                                                                                                                                                                                                                  | ⓪  | C.A. CIRCUIT BREAKER                                               |
| 62  |                                                                                                                                                                                                                                  | ⓪  | C.B. CIRCUIT BREAKER                                               |
| 63  |                                                                                                                                                                                                                                  | ⓪  | C.C. CIRCUIT BREAKER                                               |
| 64  |                                                                                                                                                                                                                                  | ⓪  | C.D. CIRCUIT BREAKER                                               |
| 65  |                                                                                                                                                                                                                                  | ⓪  | C.E. CIRCUIT BREAKER                                               |
| 66  |                                                                                                                                                                                                                                  | ⓪  | C.F. CIRCUIT BREAKER                                               |
| 67  |                                                                                                                                                                                                                                  | ⓪  | C.G. CIRCUIT BREAKER                                               |
| 68  |                                                                                                                                                                                                                                  | ⓪  | C.H. CIRCUIT BREAKER                                               |
| 69  |                                                                                                                                                                                                                                  | ⓪  | C.I. CIRCUIT BREAKER                                               |
| 70  |                                                                                                                                                                                                                                  | ⓪  | C.J. CIRCUIT BREAKER                                               |
| 71  |                                                                                                                                                                                                                                  | ⓪  | C.K. CIRCUIT BREAKER                                               |
| 72  |                                                                                                                                                                                                                                  | ⓪  | C.L. CIRCUIT BREAKER                                               |
| 73  |                                                                                                                                                                                                                                  | ⓪  | C.M. CIRCUIT BREAKER                                               |
| 74  |                                                                                                                                                                                                                                  | ⓪  | C.N. CIRCUIT BREAKER                                               |
| 75  |                                                                                                                                                                                                                                  | ⓪  | C.O. CIRCUIT BREAKER                                               |
| 76  |                                                                                                                                                                                                                                  | ⓪  | C.P. CIRCUIT BREAKER                                               |
| 77  |                                                                                                                                                                                                                                  | ⓪  | C.Q. CIRCUIT BREAKER                                               |
| 78  |                                                                                                                                                                                                                                  | ⓪  | C.R. CIRCUIT BREAKER                                               |
| 79  |                                                                                                                                                                                                                                  | ⓪  | C.S. CIRCUIT BREAKER                                               |
| 80  |                                                                                                                                                                                                                                  | ⓪  | C.T. CIRCUIT BREAKER                                               |
| 81  |                                                                                                                                                                                                                                  | ⓪  | C.U. CIRCUIT BREAKER                                               |
| 82  |                                                                                                                                                                                                                                  | ⓪  | C.V. CIRCUIT BREAKER                                               |
| 83  |                                                                                                                                                                                                                                  | ⓪  | C.W. CIRCUIT BREAKER                                               |
| 84  |                                                                                                                                                                                                                                  | ⓪  | C.X. CIRCUIT BREAKER                                               |
| 85  |                                                                                                                                                                                                                                  | ⓪  | C.Y. CIRCUIT BREAKER                                               |
| 86  |                                                                                                                                                                                                                                  | ⓪  | C.Z. CIRCUIT BREAKER                                               |
| 87  |                                                                                                                                                                                                                                  | ⓪  | C.A. CIRCUIT BREAKER                                               |
| 88  |                                                                                                                                                                                                                                  | ⓪  | C.B. CIRCUIT BREAKER                                               |
| 89  |                                                                                                                                                                                                                                  | ⓪  | C.C. CIRCUIT BREAKER                                               |
| 90  |                                                                                                                                                                                                                                  | ⓪  | C.D. CIRCUIT BREAKER                                               |
| 91  |                                                                                                                                                                                                                                  | ⓪  | C.E. CIRCUIT BREAKER                                               |
| 92  |                                                                                                                                                                                                                                  | ⓪  | C.F. CIRCUIT BREAKER                                               |
| 93  |                                                                                                                                                                                                                                  | ⓪  | C.G. CIRCUIT BREAKER                                               |
| 94  |                                                                                                                                                                                                                                  | ⓪  | C.H. CIRCUIT BREAKER                                               |
| 95  |                                                                                                                                                                                                                                  | ⓪  | C.I. CIRCUIT BREAKER                                               |
| 96  |                                                                                                                                                                                                                                  | ⓪  | C.J. CIRCUIT BREAKER                                               |
| 97  |                                                                                                                                                                                                                                  | ⓪  | C.K. CIRCUIT BREAKER                                               |
| 98  |                                                                                                                                                                                                                                  | ⓪  | C.L. CIRCUIT BREAKER                                               |
| 99  |                                                                                                                                                                                                                                  | ⓪  | C.M. CIRCUIT BREAKER                                               |
| 100 |                                                                                                                                                                                                                                  | ⓪  | C.N. CIRCUIT BREAKER                                               |
| 101 |                                                                                                                                                                                                                                  | ⓪  | C.O. CIRCUIT BREAKER                                               |
| 102 |                                                                                                                                                                                                                                  | ⓪  | C.P. CIRCUIT BREAKER                                               |
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### GENERAL ELECTRICAL NOTES

- Sheet E-1.0:  
This sheet will provide on this sheet  
1750-2000 (Art. 107.2)
- THE GENERAL CONDITIONS OF THE CONTRACT, BY WHICH DADE COUNTY SHALL BE PART OF THIS CONTRACT.
  - ALL ELECTRICAL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES INCLUDING THE FLORIDA BUILDING CODE (FBC), THE RULES AND REGULATIONS OF THE LOCAL UTILITY COMPANIES, ALL STANDARDS OF CONSTRUCTION ESTABLISHED BY THE LANDLORD, AND THE NATIONAL ELECTRICAL CODE (NEC). REFER TO APPLICABLE CODES TABLE ON THIS SHEET. WHERE APPLICABLE, SPECIAL CONSIDERATION MUST BE GIVEN TO AICCA STANDARDS.
  - PRIOR TO BID OR COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND EVALUATE ALL EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR SHALL QUALIFY THE BID ACCORDINGLY.
  - CONCRETE RESTRAINTERS ARE NOT ALLOWED FOR ANY REASON WITHOUT THE PRIOR CONSENT OF THE DESIGN CONSULTANTS AND BUILDING OWNER.
  - ALL SLAB AND FIRE WALL PENETRATIONS SHALL BE FIRE RATED, AND SHALL CONFORM TO LANDLORD'S APPROVAL, AS TO LOCATION AND CONSTRUCTION DETAILS.
  - THE CONTRACTOR SHALL VERIFY THE CEILING PENETRATIONS AND SUBSTITUTION SYSTEMS FOR SELECTION OF THE PROPER TYPE AND SUPPORT ARRANGEMENTS FOR LIGHTING FIXTURES.
  - THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ARCHITECT BEFORE ROUGH INSTALLATION OF LIGHTS, RECEPTABLES AND SWITCHES FOR EXACT LOCATION.
  - HORIZONTAL CONDUIT ROUTING SHALL BE PERMITTED ONLY FOR INTER-CONNECTION OF MULTIPLE RECEPTABLES UPON THAT WALL. HORIZONTAL CONDUITS SHALL NOT BE PERMITTED TO BE INSTALLED A SINGLE RECEPTABLE ON A WALL TO A RECEPTABLE ON AN ADJACING WALL.
  - EXISTING EXPOSED RISER DRAINAGE, AND/OR PANEL, SCHEDULES AS PROVIDED ON DRAWINGS ARE BASED ON THE AS-BUILT INFORMATION. AVAILABLE AND/OR ON-SITE VERIFICATION OF PANELBOARD DISCREPANCIES AS PERFORMED BY THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID. THE CONTRACTOR SHALL CONTRIBUTE THE INVOLVED CIRCUITS IDENTIFICATION AND LOCATION BEFORE PROCEEDING TO DISPERSED AND DISCONNECT ANY EQUIPMENT.
  - ALL ELECTRICAL EQUIPMENT MUST BEAR UL LABEL AND BE COMMERCIAL GRADE UNLESS OTHERWISE NOTED.
  - ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE APPROVED AS SAFE FOR USE IN THE US WORKSPACE FOR THE INTENDED APPLICATION, AS DETERMINED BY AN ORGANIZATION DESIGNATED BY THE LANDLORD (NATIONAL ELECTRICAL CODE, I.E.A. - U.S. C.A. ETC.)
  - THE CONTRACTOR SHALL SATISFACTORILY REPAIR/REPLACE ANY EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF WORK PERFORMED. SURFACES AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.
  - WHERE ALLOWED BY LANDLORD, METAL PLUMBING CABLE GANDY (MPC) SHALL BE USED INSTEAD OF METAL CONDUIT. METAL CONDUIT SHALL BE USED IN ALL OTHER AREAS.
  - WHERE SUBJECT TO PHYSICAL DAMAGE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE SAME. WHERE EXPOSED TO ANY OF THE DESTRUCTIVE CORROSIVE CONDITIONS (ACID, ALKALI, OR SALT), THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE SAME.
  - DIRECT BURIED IN THE EARTH OR EMBEDDED IN CONCRETE (UNLESS IDENTIFIED FOR DIRECT BURIAL).
  - EXPOSED TO CORROSIVE MEDIA (ACIDIC, ALKALIC, OR SALT) OR VAPORS OF CHLORINE OR OF HYDROCHLORIC ACID.
  - ALL FLOOR PENETRATIONS IN ALL EPPY CONDUITS.
  - FOR LINE VOLTAGE USING, ALLOW NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90° DEGREES TOTAL) BETWEEN ALL PULL POINTS, E.G. CONDUIT BENDS AND BOXES AS PER NEC 344.30.
  - ALL DEDICATED OUTLETS SERVING EQUIPMENT SUCH AS WASHER AND DRYERS, REFRIGERATORS, WATER COOLERS, COFFINERS, FANES, ETC. SHALL HAVE SEPARATE NEUTRAL CONDUCTORS TO EACH DEVICE OR APPLIANCE.
  - MAINTAIN FIRE RATINGS IN ALL PENETRATIONS THRU DECKING AND FIRE RATED WALLS. THIS INCLUDES MAINTAINING A MINIMUM 3/4" SEPARATION BETWEEN ELECTRICAL DEVICES MOUNTED ON OPPOSITE SIDES OF ALL FIRE RATED PARTITIONS AND WALLS.
  - PROVIDE ACCESS PANELS AS REQUIRED TO SERVICE ANY ELECTRICAL EQUIPMENT ABOVE HAND CEILING. COORDINATE WITH ARCHITECT BEFORE ROUGH INSTALLATION.
  - EACH MULTIPLE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SPONTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT WITH MEANS DISCONNECTS WHEN APPLICABLE.
  - TELECOMMUNICATIONS CABLES TO BE RUN BY OTHERS.
  - ELECTRICIANS SHALL NOT INSTALL MORE THAN SIX (6) RECEPTABLES PER CIRCUIT.
  - CONTRACTOR WILL BE HELD RESPONSIBLE FOR INTERRUPTION OF ELECTRICAL SERVICE TO OTHER TENANTS IN THE BUILDING.
  - CONTRACTOR SHALL NOT RUN PIPES, Wires, CONDUITS OR OTHER MATERIAL OUTSIDE THE TENANT AREA UNLESS OTHERWISE NOTED.
  - ALL ELECTRICAL CIRCUITS SHALL BE IDENTIFIED AND LABELED IN THE ELECTRICAL PANEL.
  - CIRCUIT NUMBERING SHOWN ARE FOR IDENTIFICATION PURPOSES ONLY AND MIGHT NOT CORRESPOND TO THE CIRCUIT DIRECTORY OF THE EXISTING PANELS. CONTRACTOR SHALL NOTIFY CONSULTANT OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. URBAN THE PROJECT IN COMPLETE. THE CONTRACTOR SHALL RE-LABEL CIRCUITS PER "AS BUILT," AND PROVIDE NEW TYPE WRITTEN DIRECTORY.
  - THE CONTRACTOR SHALL VERIFY THAT BRANCH CIRCUITS ARE BALANCED BETWEEN THE PHASES OF THE SYSTEM AND ADJUST AS NECESSARY AS DIRECTED BY THE CONSULTANT.
  - PROVIDE RACEWAY SYSTEMS AND PULL Wires FOR TELECOMMUNICATIONS CABLES AS INDICATED ON PLAN.
  - THE ELECTRICAL INSTALLATION SHALL HAVE THE APPROVAL OF THE OWNERS REPRESENTATIVES BEFORE ACCEPTANCE.
  - GUTTERS, UNLESS WALL, PIPES, ETC. SHALL BE SIZED PER THE NATIONAL ELECTRICAL CODE.
  - WHERE TELEPHONE DATA AND ELECTRICAL OUTLETS APPEAR BACK TO BACK, OUTLET BOXES ARE TO BE STAGGERED TO REDUCE NOISE TRANSMISSION THROUGH PARTITION.
  - DATA AND TELEPHONE FLOOR OUTLETS MUST HAVE CONDUIT WHEN LOCATED IN PLUMBING BELOW CONTRACTOR TO VERIFY THAT PORE-THRU AND CONDUIT WILL ACCOMMODATE EACH OR ALL SITUATIONS PRIOR TO INSTALLATION.
  - IF CORE DRILLING OR SLAB CUTTING IS PERFORMED, IT MUST BE CONDUCTED WITH NO FALL GROUND STOP SYSTEM OR 3-RAY.
  - WHERE AN EXISTING SCOPE OF WORK AREA UTILIZES EMERGENCY BRANCH CIRCUITS FOR EMERGENCY LIGHTING, CONNECT NEW EMERGENCY LIGHT FIXTURES AND EXIT SIGNS TO EXISTING AVAILABLE EMERGENCY LIGHTING BRANCH CIRCUIT LOCATED FOR THE RESPECTIVE FLOOR OR SPACE THIS EXISTING J-BOX IN THE PREDETERMINED AREA OR ELECTRICAL ROOM.
  - EXISTING CIRCUITING AS PRESENTED ON DRAWINGS ARE BASED ON THE "AS-BUILT" INFORMATION AVAILABLE AND "ON-SITE" VERIFICATION OF PANELBOARD DIRECTORY AS PERFORMED BY THE ENGINEER. THE CONTRACTOR MUST CONFIRM THE INVOLVED CIRCUITS IDENTIFICATION AND LOCATION BEFORE PROCEEDING TO DISPERSED AND DISCONNECT THE EQUIPMENT.
  - COORDINATION WITH OTHER TRADES.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGH REVIEW OF ALL PLANS AFFECTING THIS PROJECT AND SHALL COORDINATE WITH OTHER TRADES BEFORE THE COMMENCEMENT OF WORK SO THAT THE ROUTING OF SYSTEMS AND CLEARANCES SHALL BE ADEQUATE. ANY CONFLICTS OR DEVIATIONS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND ARCHITECT IMMEDIATELY BEFORE PROCEEDING.
  - SPECIAL ATTENTION SHALL BE GIVEN BUT NOT BE LIMITED TO THE FOLLOWING SYSTEMS:
    - 66.2A. CONDUIT, RACEWAY, TELEPHONE, WIRING.
    - 66.2B. AIR CONDITIONING OUTDOORS, PIPING, CONDENSATE AND WASTE.
    - 66.2C. GUARD AND VENT LINES, HOT AND COLD WATER LINES AND RAIN WATER LEADER.
  - DRAWINGS.
  - IT IS THE INTENT OF THE DRAWINGS TO OBTAIN A COMPLETE AND SATISFACTORY INSTALLATION. AN ATTEMPT HAS BEEN MADE TO SEPARATE AND COMPLETELY DEFINE THE WORK IN THE DRAWINGS. HOWEVER, SUCH SEPARATION SHALL NOT RELIEVE THE CONTRACTOR FROM FULL RESPONSIBILITY OF COMPLIANCE WITH THE WORK OF THEIR TRADE WHICH MAY BE INDICATED ON ANY OF THE DRAWINGS.
  - THE CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS, IN ADDITION TO THE ELECTRICAL AND OTHER RELATED TRADES. THIS COORDINATION SHALL BE DONE PRIOR TO SUBMITTING THE BID.
  - THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE ELECTRICAL DRAWINGS WITH REFERENCE TO BUILDING CONSTRUCTION AND OPERATIONS. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC BUT ARE TO BE FOLLOWED AS CLOSELY AS THE ACTUAL CONSTRUCTION OF THE BUILDING AND THE WORK OF OTHER TRADES WILL PERMIT.
  - THE DRAWINGS AND REVISIONS INDICATE IN DIAGRAMMATIC FORM THE ARRANGEMENTS DESIGNED FOR THE EQUIPMENT, FURNITURE, PRINCIPAL APPLIANCES, ETC., AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. HOWEVER, THE CONTRACTOR SHALL INCLUDE ANY ADDITIONAL CONDUIT, BOXES AND WIRING DUE TO THE STRUCTURAL OR OTHER OBSTRUCTION AT NO EXTRA COST.
  - PER NEC, ENERGY CONSERVATION CHAPTER 4 SECTION C405.1.1 FEEDER AND OUTFEEDER-OWNED SERVICE CONDUITS SHALL BE INSTALLED SIZED FOR A MAXIMUM VOLTAGE DROPT OF 3 PERCENT AT DESIGN LOAD.
  - ALL BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED SIZED IN ACCORDANCE WITH NEC 200.5 AND FOR A MAXIMUM VOLTAGE DROPT OF 3 PERCENT AT DESIGN LOAD PER NEC, ENERGY CONSERVATION, CHAPTER 4, SECTION C405.1.3.
  - PER NEC, ENERGY CONSERVATION, CHAPTER 4 SECTION C405.1.1, WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR TO THE BUILDING OWNER, INCLUDING:
    - 66.1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND
    - 66.2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
  - PER NEC, ENERGY CONSERVATION, CHAPTER 4 SECTION C405.1.1, THE CONTRACTOR SHALL PROVIDE AN OPERATING MANUAL AND MAINTENANCE MANUAL TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
    - 10.1. SERIAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
    - 10.2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
    - 10.3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
  - COLOR CODE FOR CONDUCTORS:
 

| DESIGN VOLT SYSTEM | 277/480 VOLT SYSTEM |
|--------------------|---------------------|
| NEUTRAL - WHITE    | NEUTRAL - GRAY      |
| PHASE A - BLUE     | PHASE A - BROWN     |
| PHASE B - RED      | PHASE B - ORANGE    |
| PHASE C - YELLOW   | PHASE C - GREEN     |
| GROUND - GREEN     | GROUND - GREEN      |

ALL OTHER COLORS (V

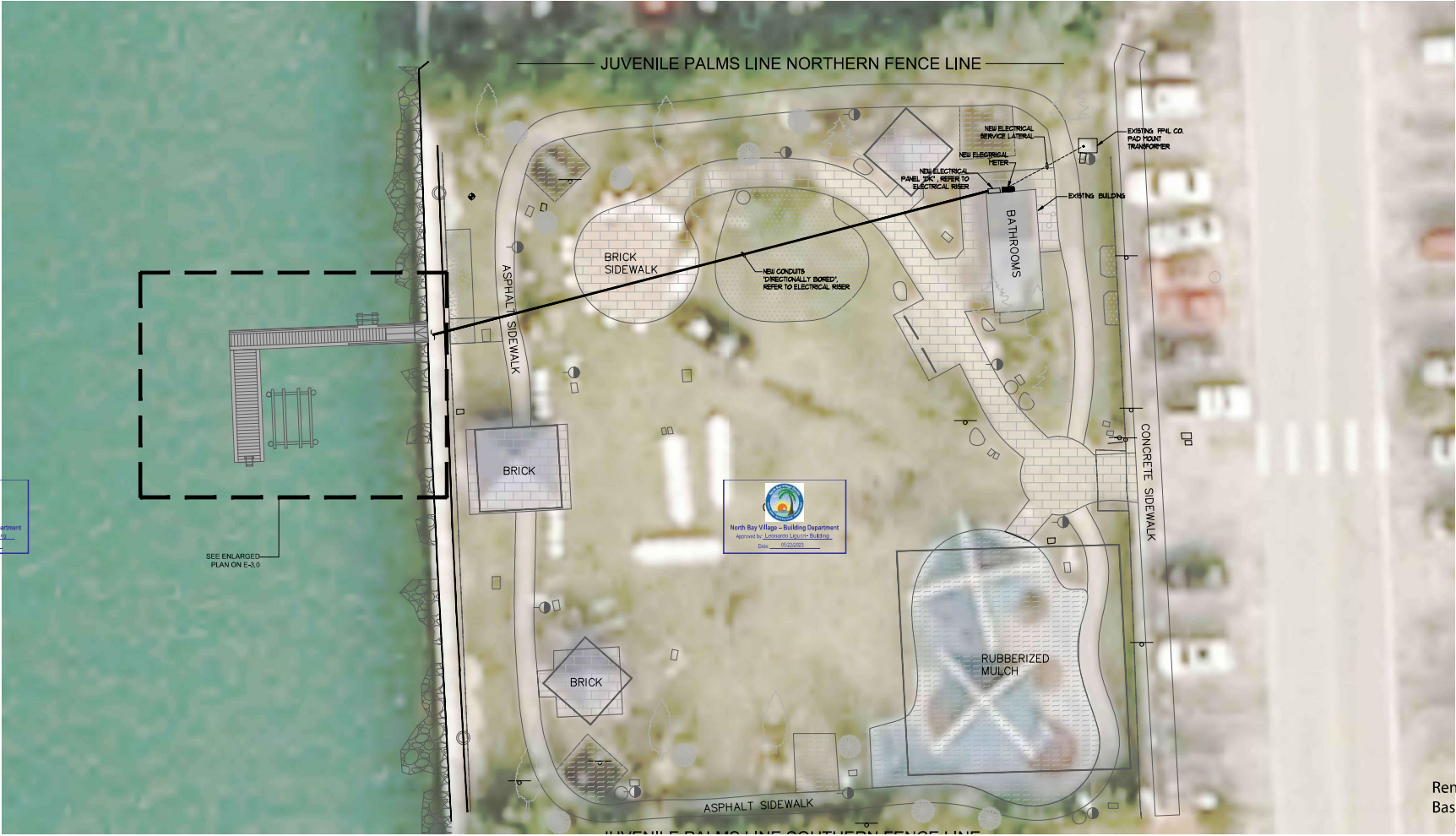


North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023

North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023

North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023

North Bay Village - Building Department  
Approved by: Victor Diaz - Planning  
Date: 05/22/2023



**OVERALL ELECTRICAL SITE PLAN**  
SCALE: 1" = 10'-0"

CONSULTANT:  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33156  
PH: 305-255-5400  
EAC PROJECT NO. 1907SLD01-09

SUB-CONSULTANT:  
Project No. - 21087  
**BASULTO**  
CONSULTING ENGINEERS  
Rene I. Basulto, P.E.  
1448 Palmetto-Forestry Road  
Suite 202, Miami Lakes, FL 33014  
www.basulto.com  
305-498-3468, 305-498-3469

DESIGN TICKET NO. 088304283  
**SunshineFL**  
Call 811 or www.sunshinefl.com for full  
buried utility information to help utilities  
locate and mark.  
(Don't dig before you dig!)

PROJECT:  
**VOGEL PARK  
MARINE FACILITY  
PHASE II**

KEY MAP:

| NO. | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
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DATE ISSUED: May 2, 2022  
DESIGNED BY: C.Y.  
DRAWN BY: D.T.  
REVIEWED BY: C.Y.

RENE I. BASULTO, P.E.  
No. 40869  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
04-10-2023  
RENE I. BASULTO, P.E.  
P.E. 40869

SHEET TITLE:  
**OVERALL ELECTRICAL  
SITE PLAN**

SHEET NO.  
**E-2.0**

100% CONSTRUCTION DOCUMENTS

THIS ITEM HAS BEEN DIGITALLY SIGNED  
AND SEALED BY RENE I. BASULTO, P.E.  
ON THE DATE ADJACENT TO THE SEAL.  
PRINTED COPIES OF THIS DOCUMENT  
ARE NOT CONSIDERED SIGNED AND  
SEALED AND THE SIGNATURE MUST BE  
VERIFIED ON ANY ELECTRONIC COPIES.

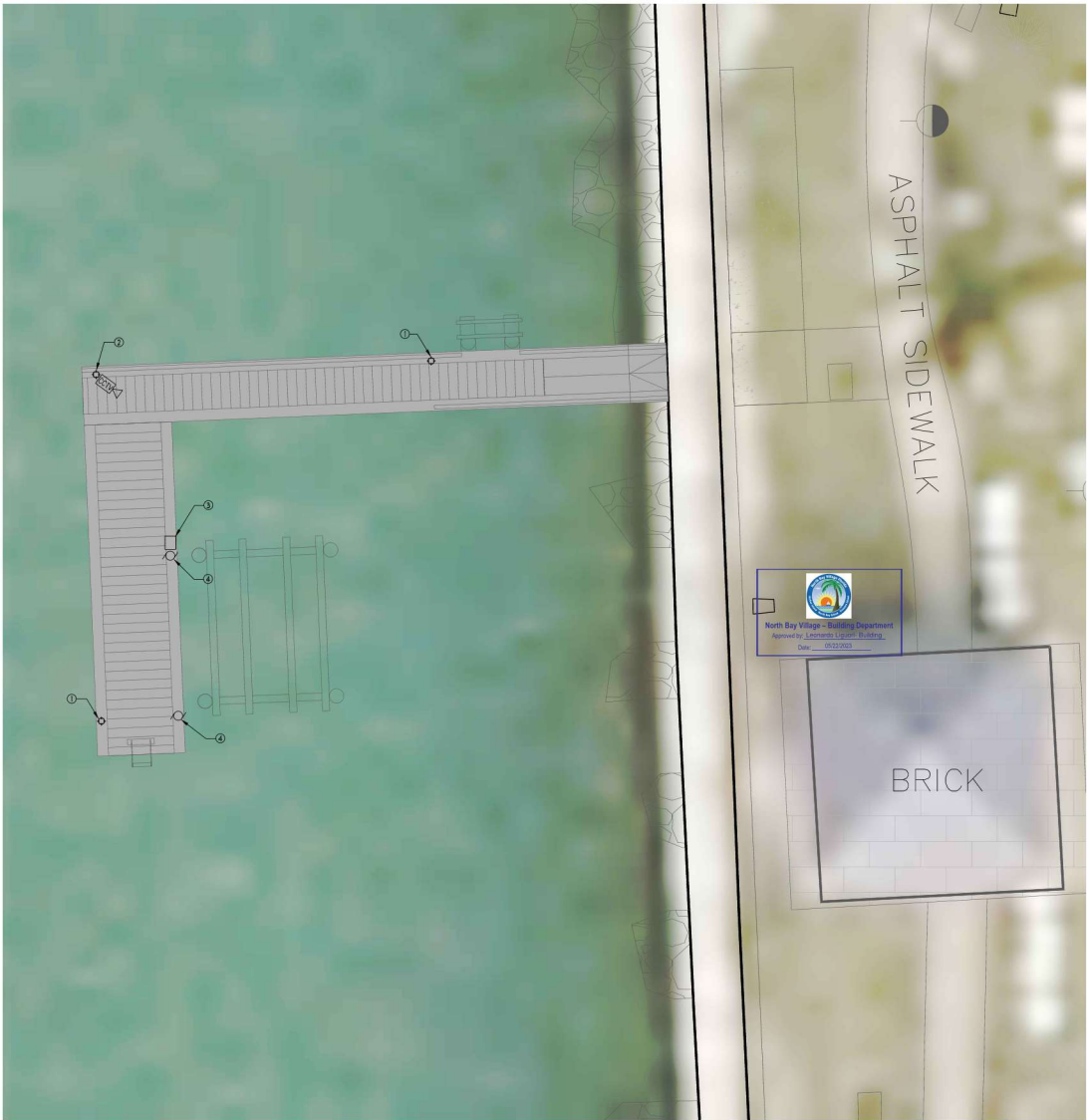
NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES

North Bay Village - Building Department  
Approved by: Andres Gonzalez - Electrical  
Date: 05/22/2023

North Bay Village - Building Department  
Approved by: Charlotte Nieves - Structural  
Date: 05/22/2023

North Bay Village - Building Department  
Approved by: Carlos Vazquez - Planning/Engineering  
Date: 05/22/2023

North Bay Village - Building Department  
Approved by: Victor Diaz - Plumbing  
Date: 05/22/2023



- KEY NOTES**
- ① NEW POLE LIGHT WITH RED-WHITE LED SOURCES
  - ② NEW POLE LIGHT WITH RED-WHITE LED SOURCES AND CCTV SECURITY CAMERA MOUNT
  - ③ NEW MARINA POWER pedestal WITH GENERAL PURPOSE RECEPTACLE AND WATER CONNECTION
  - ④ NEW BOAT LIFT MOTOR AND CONTROLLER
  - ⑤ REFER TO ELECTRICAL RISK ON DRAWING E-40 FOR DETAILED INFORMATION

Sheet E-3.0:  
Provide circuits numbers to new electrical loads  
(FAC-61G15.33)

**NORTH BAY VILLAGE**

**CONSULTANT:**  
**EAC**  
EAC Consulting, Inc.  
5959 BLUE LAGOON DRIVE, SUITE 410  
MIAMI, FL 33156  
PH: 305-265-5400  
EAC PROJECT No. 19075.L001-09

**SUB-CONSULTANT:**  
Project No.: 21087  
**BASULTO**  
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**DESIGN TICKET NO. 085024293**  
**SunshineFL**  
Call 811 or www.sunshinefl.com to find out  
before you dig where underground utilities  
are located and marked.  
(check website for more information)

**PROJECT:**  
**VOGEL PARK  
MARINE FACILITY  
PHASE II**

**KEY MAP:**

**REVISIONS:**

| NO. | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
|     |             |      |    |
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**DATE ISSUED:** May 2, 2022  
**DESIGNED BY:** C.Y.  
**DRAWN BY:** D.T.  
**REVIEWED BY:** C.Y.

**SEAL:**  
René I. Basulto  
No. 40869  
04-10-2023  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

**SHEET TITLE:**  
**ENLARGED ELECTRICAL  
DOCK PLAN**

**SHEET NO.**  
**E-3.0**

**100% CONSTRUCTION DOCUMENTS**

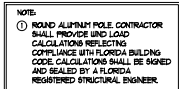
**ENLARGED ELECTRICAL DOCK PLAN**  
SCALE: 1/4" = 1'-0"

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NTS.

NTS



N.T.S.      NOTE: WIRE NUTS NOT PERMITTED.



|                  |
|------------------|
| Project Name:    |
| Contract Number: |
| Type:            |

The **Pavilion II** LED series is a versatile and contemporary fixture ideal for architectural applications where scale and style are essential.

Two cap choices combined with three shapes of shades allow for a number of design options. The decorative fins are cast aluminum.

Durable polyester powder coat finish is available in an array of architect colors.

The **Pavilion II** series is an elegant choice for parks, retail settings, restaurants and sports arenas.

| MODEL              | OPTICS        | SOURCE | CURRENT    | KEVIN       | VOLTAGE         | MOUNTING          | FINISH             | CAP/SLIDE | OPTIONS                       | OPTIC          |
|--------------------|---------------|--------|------------|-------------|-----------------|-------------------|--------------------|-----------|-------------------------------|----------------|
| PD-L               | T1            | 15LG   | 3<br>3000K | 3K<br>3000K | UNW<br>120V/77° | AM<br>AM-Rocket   | BZ<br>Breeze       | C1        | P30-100<br>P30-200<br>P30-300 | VW<br>Vista    |
|                    | T2            | 25LG   | 5<br>5000K | 4K<br>4000K | 5<br>50V/77°    | TM1<br>T-Mount    | SK<br>Slate        | C3        | PC-677<br>PC-678<br>PC-679    | PC<br>Pinnacle |
|                    | T2            | 44LG   | 5<br>5000K | 4K<br>4000K | 5<br>50V/77°    | YMS<br>Y-Mount    | SK<br>Slate        | H1        | WSC-6<br>WSC-12<br>WSC-18     | WC<br>Wildcat  |
|                    | T2            | 64LG   | 5<br>5000K | 4K<br>4000K | 5<br>50V/77°    | YMS<br>Y-Mount    | SK<br>Slate        | H1        | WSC-6<br>WSC-12<br>WSC-18     | WC<br>Wildcat  |
|                    | T2            | 80LG   |            |             |                 |                   |                    |           |                               |                |
|                    | T4            |        |            |             |                 | WM<br>W-Mount     | WH<br>White        | H2        | WSC-6<br>WSC-12<br>WSC-18     | WC<br>Wildcat  |
|                    | T4            |        |            |             |                 | WM<br>W-Mount     | WH<br>White        | H2        | WSC-6<br>WSC-12<br>WSC-18     | WC<br>Wildcat  |
|                    | T4A<br>Aurora |        |            |             |                 | SWH<br>S-W-Mount  | SWH<br>Smoke White | H3        | WSC-6<br>WSC-12<br>WSC-18     | WC<br>Wildcat  |
|                    | T5            |        |            |             |                 | GP<br>Grip        | GP<br>Grip         |           | WSC-40<br>WSC-60<br>WSC-80    | WC<br>Wildcat  |
|                    | T5            |        |            |             |                 | GY<br>Grip        | GY<br>Grip         |           | WSC-40<br>WSC-60<br>WSC-80    | WC<br>Wildcat  |
| T2W<br>Type 2 Wide |               |        |            |             |                 | SL<br>Slide       | SL<br>Slide        |           | WSC-40<br>WSC-60<br>WSC-80    | WC<br>Wildcat  |
|                    |               |        |            |             |                 | SW<br>Slide-Walk  | SW<br>Slide-Walk   |           | WSC-40<br>WSC-60<br>WSC-80    | WC<br>Wildcat  |
|                    |               |        |            |             |                 | CC<br>Custom Case | CC<br>Custom Case  |           | WSC-40<br>WSC-60<br>WSC-80    | WC<br>Wildcat  |
| T2W<br>mini-Tandem |               |        |            |             |                 |                   |                    |           | DM<br>Downing                 |                |

↑

| TYPE | MANUFACTURER & CATALOG NUMBER                                        | NUMBER OF LAMPS                         | VOLTS | MOUNTING | REMARKS              |
|------|----------------------------------------------------------------------|-----------------------------------------|-------|----------|----------------------|
| A    | VISIONARE *<br>FD-L-TS-48LC-B-4K-RED-2-CIRCUIT-INV-CI-HI-PC-V4003-SI | 100 WATT LED ARRAY<br>AND RED LED ARRAY | 240   | POLE     | SEE SWITCH<br>DETAIL |

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| A    | VISIONARE *<br>FD-L-TS-48LC-B-4K-RED-2-CIRCUIT-INV-CI-HI-PC-V4003-SI | 100 WATT LED ARRAY<br>AND RED LED ARRAY | 240   | POLE     | SEE SWITCH<br>DETAIL |

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Rene I  
Basulto



04-10-2023  
RENE I. BASULTO, P.E.  
P.E. 40869

**SHEET TITLE:**

## ELECTRICAL DETAILS

SHEET NO.

## E-5.0

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