



100% SUBMITTAL
April 7, 2023

NORTH BAY VILLAGE PUBLIC WORKS & ENGINEERING

1666 KENNEDY CAUSEWAY, 3RD FLOOR
NORTH BAY VILLAGE, FL 33141

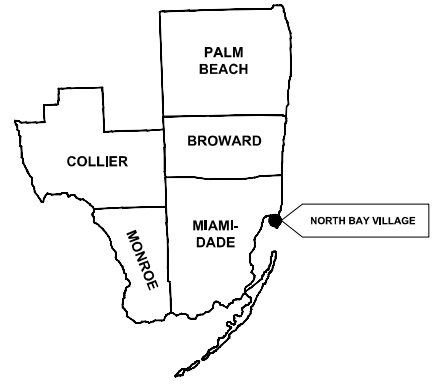


RFQ 2019-005

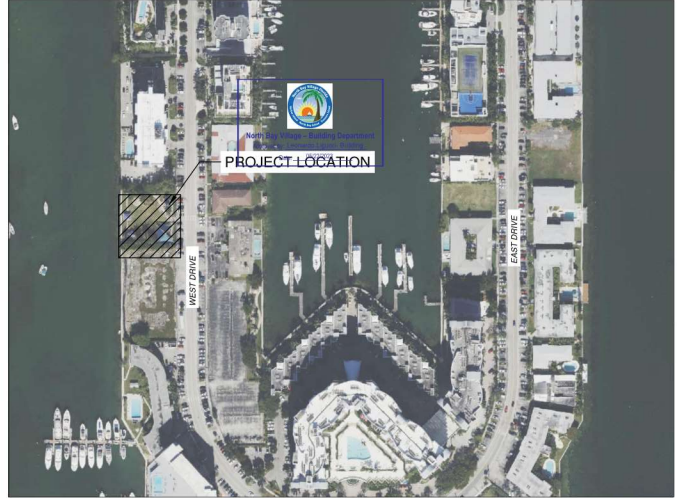
7920 WEST DR. NORTH BAY VILLAGE, FL 33141 VOGEL PARK MARINE FACILITY PHASE II

INDEX OF SHEETS

- G-0.0 COVER SHEET
- G-1.0 SIGNATURE SHEET
- C-1.0 GENERAL NOTES
- C-2.0 SWPPP NOTES AND DETAILS
- C-3.0 PAVING, GRADING AND WATER SERVICE PLAN
- S-501 CONCRETE WALKWAY STRUCTURAL DETAILS



Vicinity Map
NTS



PROJECT LOCATION MAP
1" = 150'

NORTH BAY VILLAGE COMMISSION

MAYOR: BRENT LATHAM
VICE MAYOR: MARVIN WILMOTH
COMMISSIONERS: DR. RICHARD CHERVONY
JULIANNA STROUT
RACHEL STREITFELD, ESQ

VILLAGE MANAGER: RALPH ROSADO, PH.D

PERMIT SET
MUST BE ON JOB SITE AT ALL TIMES DURING CONSTRUCTION.

SAFETY
IT IS PARAMOUNT FOR ALL CONSTRUCTION ACTIVITIES, APPLICABLE JURISDICTIONAL SAFETY REQUIREMENTS MUST BE ADHERED TO ALWAYS.

NOTE
INSPECTIONS REQUIRED
24 HOURS PRIOR TO COMMENCING WORK IN PUBLIC RIGHT OF WAY CONTACT APPLICABLE FLIGHT OF WAY JURISDICTION FOR INSPECTION.

NOTE
APPROVAL OF THESE PLANS DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION. A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM JURISDICTIONAL AUTHORITIES.

WARNING!! THERE ARE A NUMBER OF PUBLIC UTILITIES, COMMUNICATIONS, UNDERGROUND CABLES AND PIPES TRAVERSING THE PROJECT SITE AND ITS SURROUNDING. THE ENGINEER HAS MADE EVERY ATTEMPT TO SHOW THE APPROXIMATE LOCATION OF ALL ITEMS HORIZONTALLY AND VERTICALLY VIA AS-BUILT RECORDS WHERE AVAILABLE. HOWEVER, THE ENGINEER IS NOT RESPONSIBLE FOR SHOWING OR LOCATING EVERY ITEM CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY ITEM LOCATED, FLAGGED, AND IDENTIFIED PRIOR TO STARTUP OF CONSTRUCTION. ANY DAMAGE DONE TO ANY OF THE EXISTING ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY ITEM DAMAGED, CAUSED BY HIS/HER ACTIONS, WITH NO ADDITIONAL COMPENSATION.



EAC Consulting, Inc.
5959 Blue Lagoon Dr, Suite 410
MIAMI, FL 33126
(305) 285-5400

TRENCH WORK SHALL COMPLY WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 C.F.R.S. 1926.650 SUBPART P.

THESE PLANS ARE NOT FINAL CONSTRUCTION DOCUMENTS UNTIL APPROVALS BY ALL PERMITTING AND JURISDICTIONAL AGENCIES HAVE BEEN OBTAINED. CONSTRUCTION WITHOUT ALL SAID APPROVALS IS AT THE SOLE RISK OF THE CONTRACTOR. ENGINEER IS NOT RESPONSIBLE FOR ANY CHANGES MADE DUE TO PERMITTING/JURISDICTIONAL DIRECTIONS. IF CONSTRUCTION PROCEEDS WITHOUT DUE AUTHORIZATION/APPROVALS.



04-08-2023
EVELYN L. RODRIGUEZ, P.E.
FL LICENSE No. 78548

PLAN SCALE CORRESPONDING TO PLAN OF RECORDS: IF PLANNED OR OTHERS: SEE LOCAL AGENCY WARRANT. THE ACCURACY OF THE PLAN SCALE, UNLESS OTHERWISE NOTED, SHALL BE THE RESPONSIBILITY OF THE USER. DATE: 04/07/2023 10:00 AM. PROJECT: VOGEL PARK MARINE FACILITY PHASE II. DRAWING: CIVIL. DRAWING NO: 2023-04-07-001. DRAWN BY: RALPH ROSADO



North Bay Village - Building Department
Approved by: Evelyn Rodriguez - Electrical
Date: 04/20/2023



Evelyn Rodriguez

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY EVELYN L. RODRIGUEZ, 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.

EAC CONSULTING, INC.
8959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33150
EVELYN L. RODRIGUEZ, P.E. NO. 78548

Digitally signed by Evelyn Rodriguez
Date: 2023.04.07 16:50:29
+04'00'

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, FAC

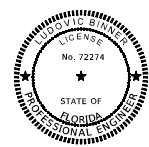
SHEET NO.	SHEET NAME
C-0.0	COVER SHEET
G-0.0	SIGNATURE SHEET
C-1.0	GENERAL NOTES
C-2.0	SWPPP NOTES AND DETAILS
C-3.0	PAVING, GRADING AND WATER SERVICE PLAN



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 04/20/2023



North Bay Village - Building Department
Approved by: Ludovic Binner - Structural
Date: 02/20/2023



Ludovic Binner

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY LUDOVIC BINNER, P.E.

ON THE DATE ADJACENT TO THE SEAL

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MORFAT & NICHOL
2337 SW 27TH AVE, SUITE 101A
MIAMI, FL 33157
LUDOVIC BINNER, P.E. NO. 72274

Digitally signed by Ludovic Binner
Date: 2023.02.07 17:18:41-0400'

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, FAC

SHEET NO.	SHEET NAME
G-1.0	SIGNATURE SHEET
S-501	CONCRETE WALKWAY STRUCTURAL DETAILS



North Bay Village - Building Department
Approved by: Ludovic Binner - Building
Date: 02/20/2023



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 04/20/2023

NORTH BAY VILLAGE

CONSULTANT:
EAC
EAC Consulting, Inc.
8959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33150
PH: 305-265-5400
EAC PROJECT NO. 19075.LD01-09

SUB-CONSULTANT:



PROJECT:
VOGEL PARK MARINE FACILITY PHASE II

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: 4/7/2023
DESIGNED BY: ER
DRAWN BY: BW
REVIEWED BY: MA

SEAL:

EVELYN L. RODRIGUEZ, P.E.
FL LICENSE No. 78548

SHEET TITLE:
SIGNATURE SHEET

SHEET NO.
G-1.0
PERMIT SUBMITTAL

NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES

SCALE CORRESPONDS TO PLAN SHEET NO. 19075.LD01-09. IF PLOTTED ON OTHER SIZE, CONTACT THE PROJECT ARCHITECT FOR THE CORRECT SCALE. SCALE: AS SHOWN ON SHEET NO. 19075.LD01-09.



SWPPP & NPDES PERMIT NOTES

1. ALL CONSTRUCTION PROJECTS 1 OR MORE ACRES IN SIZE THAT DISCHARGE TO OFFSITE AREAS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM SMALL AND LARGE CONSTRUCTION ACTIVITIES. IN ORDER TO MEET NPDES REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP), IMPLEMENTING, INSPECTING, MAINTAINING, AND REPORTING ON ALL ELEMENTS OF THE SWPPP, COMPLETING AND SUBMITTING THE REQUIRED NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) FORMS AS THE OPERATOR, AND PAYING ALL ASSOCIATED FEES. FOR PROJECTS LESS THAN 1 ACRE IN SIZE THAT ARE NOT REQUIRED TO COMPLY WITH THE NPDES GENERAL PERMIT, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION IN ACCORDANCE WITH APPLICABLE DRAWINGS AND/OR SPECIFICATIONS.
2. THE CONTRACTOR SHALL UTILIZE A STREET SWEEPER (USING WATER) OR OTHER LOCAL JURISDICTION APPROVED EQUIPMENT FOR CONTROLLING AND REMOVING DUST.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE & REPAIRS OF EROSION & SEDIMENT CONTROL/SWPPP DEVICES PER THE FOOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION). THE MAINTENANCE OF THESE DEVICES WILL OCCUR UNTIL THE OWNER'S REPRESENTATIVE HAS DETERMINED AN AREA PERMANENTLY STABILIZED. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AFTER COMPLETION OF THE PROJECT.
4. CONFORMANCE WITH SWPPP SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITIES TO PROTECT ADJACENT PROPERTIES, FEATURES & NATURAL ENVIRONMENT FROM THE POSSIBLE DAMAGE IMPACT THAT MAY ARISE BECAUSE OF THE CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY THAT ALL DRAINAGE STRUCTURES, WITHIN THE PROJECT LIMITS WHETHER INDICATED ON THE PLANS OR NOT, ARE PROTECTED IN ACCORDANCE WITH THE ESTABLISHED METHODS.
6. DUST RESULTING FROM PROPOSED DEMOLITION ACTIVITIES, SHALL BE PREVENTED FROM INTRUSION INTO THE STORMWATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES (WATER OR SLURRY) SHALL BE RETAINED ON SITE. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENTS IS PROHIBITED FROM THIS PROJECT.
7. CONTRACTOR SHALL INSTALL PERIMETER POLLUTION PREVENTION CONTROLS AFTER CLEARING & GRUBBING BUT BEFORE BEGINNING OTHER CONSTRUCTION PHASES. CONTRACTOR SHALL REMOVE PERIMETER CONTROLS ONLY AFTER ALL AREAS HAVE BEEN STABILIZED.
8. CONTRACTOR SHALL MAINTAIN THE EXISTING DRAINAGE FLOW PATTERNS DURING CONSTRUCTION.
9. CONTRACTOR SHALL MONITOR ALL POLLUTION CONTROL DEVICES TO ENSURE SUFFICIENT CONVEYANCE OF STORMWATER RUNOFF DURING CONSTRUCTION.
10. CONTRACTOR SHALL COVER LOADED TRUCKS WITH TARP-AULINS.
11. CONTRACTOR SHALL REMOVE DIRT AND SEDIMENTS FROM ROADS DAILY.
12. CONTRACTOR SHALL STABILIZE CONSTRUCTION ENTRANCES ACCORDING TO EROSION & SEDIMENT CONTROL MANUAL SOIL TRACKING PREVENTION DEVICE DETAILS.
13. CONTRACTOR SHALL REMOVE BUILT UP SEDIMENT FROM THE STAKED SILT FENCE WHEN IT REACHES ONE-THIRD OF THE FENCE BARRIER OR WHENEVER FLOW IS IMPEDED.
14. CONTRACTOR SHALL INSPECT POLLUTION CONTROL DEVICES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS & WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL & MAINTAIN RAIN GAGES & RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO VERIFY THAT CONTROLS INSTALLED IN THE FIELD COMPLY WITH APPROVED NPDES/NOI PERMIT CONDITIONS.
15. WITHIN 24 HOURS OF INSPECTION, THE CONTRACTOR SHALL INITIATE REPAIRS TO THE CONTROL DEVICES THAT THE INSPECTION INDICATES ARE NOT IN ACCEPTABLE WORKING CONDITIONS.
16. CONTRACTOR SHALL INSTALL SOIL TRACKING PREVENTION DEVICES (STPD) (PER FOOT STANDARDS) AT POINTS WHERE TRAFFIC LEAVES OR ENTER DISTURBED AREAS SUCH AS WORK ZONES/STOCKPILE AREAS. CONTRACTOR SHALL INSTALL STPD PRIOR TO THE ASSOCIATED AREA BEING DISTURBED.
17. CONTRACTOR SHALL NOT ALLOW SEDIMENTS TO ACCUMULATE WITHIN DRAINAGE STRUCTURE & CONVEYANCE PIPELINES. STRUCTURES & PIPELINES SHALL BE CLEANED PRIOR TO FINISHING. THE CLEANING OPERATIONS SHALL NOT FLOOD OR IMPEDE THE DOWNSTREAM SYSTEM.
18. CONTRACTOR SHALL PROTECT STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL AGAINST ACCIDENTAL FLOODING FROM PROJECT SITE BY WIND & WATER FLOW.
19. CONTRACTOR SHALL PROTECT ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION FROM SEDIMENTS, WYTHRESHOLD.
20. CONTRACTOR SHALL SUBMIT MODIFICATIONS OR CHANGES TO THE INFORMATION DEPICTED ON THE SWPPP NOTES AND/OR DRAWINGS TO THE JURISDICTIONS FOR APPROVAL.
21. ALL APPLICABLE PERMITS RELATING TO THE INSTALLATION OF THESE MEASURES SHALL BE SECURED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

STATE OF FLORIDA EAC DESIGNER & REVIEWER MANUAL LATEST EDITION JULY 2013

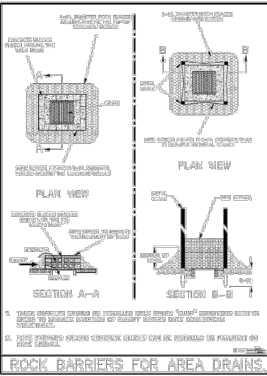


Figure V-10: Illustration of Rock Barriers around Area Drains
Provisions & plans by State/Division Department to copy and reproduce the book.

STATE OF FLORIDA EAC DESIGNER & REVIEWER MANUAL LATEST EDITION JULY 2013

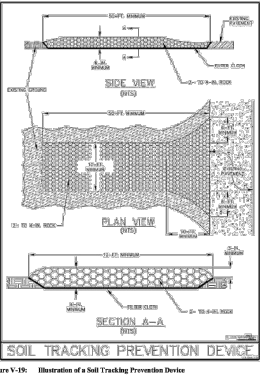


Figure V-11: Illustration of a Soil Tracking Prevention Device
Provisions & plans by State/Division Department to copy and reproduce the book.

STATE OF FLORIDA EAC DESIGNER & REVIEWER MANUAL LATEST EDITION JULY 2013

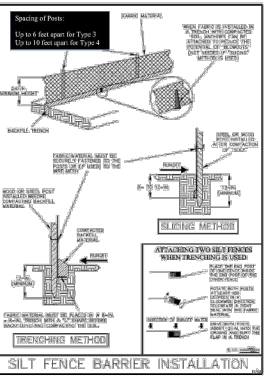


Figure V-12: Illustration of a Silt Fence Barrier
Provisions & plans by State/Division Department to copy and reproduce the book.



18. CONTRACTOR SHALL NOT ALLOW SEDIMENTS TO ACCUMULATE WITHIN DRAINAGE STRUCTURE & CONVEYANCE PIPELINES. STRUCTURES & PIPELINES SHALL BE CLEANED PRIOR TO FINISHING. THE CLEANING OPERATIONS SHALL NOT FLOOD OR IMPEDE THE DOWNSTREAM SYSTEM.
19. CONTRACTOR SHALL PROTECT STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL AGAINST ACCIDENTAL FLOODING FROM PROJECT SITE BY WIND & WATER FLOW.
20. CONTRACTOR SHALL PROTECT ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION FROM SEDIMENTS, WYTHRESHOLD.

STATE OF FLORIDA EAC DESIGNER & REVIEWER MANUAL LATEST EDITION JULY 2013

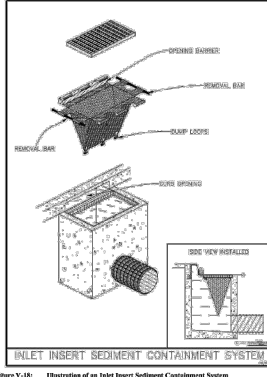


Figure V-13: Illustration of an Inlet Insert Sediment Containment System
Provisions & plans by State/Division Department to copy and reproduce the book.

NORTH BAY VILLAGE

CONSULTANT:
EAC
 EAC Consulting, Inc.
 8999 BLUE LAGOON DRIVE, SUITE 410
 MIAMI, FL 33156
 PH: 305-265-5400
 EAC PROJECT NO. 19075.LD01-09

SUB-CONSULTANT:

DESIGN NUMBER AND CROSSING:
Sunshine
 CALL FOR SPECIFICATIONS TO THE FULL DRAWING SET AND FOR THE FULL LIST OF SUBMITTALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AGENCIES WITH JURISDICTION OVER THE PROJECT.

VOGEL PARK MARINE FACILITY PHASE II

KEY MAP:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: 4/7/2023
 DESIGNED BY: ER
 DRAWN BY: BW
 REVIEWED BY: MA

SEAL:

 EVELYN L. RODRIGUEZ, P.E.
 FL LICENSE NO. 78548

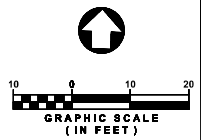
SWPPP NOTES AND DETAILS

SHEET NO. **C-2.0**

PERMIT SUBMITTAL

NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES

PLAN SCALE CORRESPONDING TO PLAN SHEET NO. FOR CROSSING INFORMATION. DRAWING SHALL BE ACCURATE TO THE PLAN SCALE. (PLAN SCALE CORRESPONDING TO CROSSING SHEET NO. FOR CROSSING INFORMATION. DRAWING SHALL BE ACCURATE TO THE PLAN SCALE.)



NORTH BAY VILLAGE

CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33156
PH: 305-265-5400
EAC PROJECT NO. 1907SL04-D-09

SUB-CONSULTANT:
VISION PROJECTS
CALL 813 OR VISIT US ONLINE AT www.visionprojects.com
1100 N. W. 12th Street
Miami, FL 33136
www.visionprojects.com

PROJECT:
VOGEL PARK MARINE FACILITY PHASE II

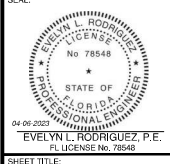
KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: 07/27/2022

DESIGNED BY: ER
DRAWN BY: BW
REVIEWED BY: MA



04/06/2022
EVELYN L. RODRIGUEZ, P.E.
FL LICENSE NO. 78548

SHEET TITLE:
PAVING, GRADING AND WATER SERVICE PLAN

SHEET NO.
C-3.0

PERMIT SUBMITTAL



GRADING NOTES:

- PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL REQUEST ELECTRONIC FILES CONTAINING PROPOSED SITE GRADES FROM EOR. THE CONTRACTOR SHALL UTILIZE THE ELECTRONIC FILES IN LAYING OUT AND STAKING THE PROPOSED SITE GRADING DESIGN.
- THE CONTRACTOR SHALL UTILIZE THE SERVICES OF A LICENSED PROFESSIONAL SURVEYOR IN ESTABLISHING THE PROPOSED SITE GRADING BASED ON ELECTRONIC CAD FILES PROVIDED BY EOR.
- GRADING SHOWN ON THESE PLANS/DRAWINGS ARE PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL BE EXPECTED TO GRADE THE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE IN ALL AREAS THROUGHOUT THE SITE.
- CONTRACTOR SHALL ENSURE SMOOTH TRANSITIONS ARE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS/DRAWINGS TO ACCOMPLISH THE GRADING INTENT.
- CONTRACTOR SHALL UNIFORMLY SMOOTH GRADE THE SITE DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOPS OF EMBANKMENTS AND BREAKS IN GRADE SHALL BE ROUNDED. FINISHED SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, FREE FROM IRREGULAR SURFACE CHANGES AND COMPATIBLE TO THE SMOOTHNESS OBTAINED BY GRADER OPERATIONS.
- CONTRACTOR SHALL ENSURE THAT GRADING WITHIN 10 FEET OF STRUCTURES SHALL BE WITHIN 0.5 INCH OF THE PROPOSED GRADE. ALL OTHER AREAS SHALL BE WITHIN 1 INCH OF THE PROPOSED GRADE.
- NEWLY GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EROSION. ALL SETTLEMENT OR WASHING AWAY THAT MAY OCCUR FROM ANY CAUSE PRIOR TO SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES RE-ESTABLISHED TO THE REQUIRED ELEVATION AND SLOPES AT NO ADDITIONAL COST TO THE PROJECT.
- SITE GRADING CONTRACTOR SHALL HAVE A MINIMUM OF (10) YEARS OF EXPERIENCE IN PERFORMING SITE GRADING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.

ENGINEERS NOTES:

- THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND PROPERLY INSTALLED UTILITIES AND IMPROVEMENTS FROM DAMAGE. DISRUPTION OF SERVICE OR DESTRUCTION OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK.
- THE MINIMUM DEPTH OF COVER ON THE WATER MAINS SHALL BE 48 INCHES WHERE 48 INCHES OF COVER CANNOT BE MAINTAINED REFER TO GS 1.2 OF THE HOWARD STANDARDS FOR ADDITIONAL COVER REQUIREMENTS.
- ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE UNDER THE DIRECTION OF THE ENGINEER AND APPLICABLE JURISDICTIONAL AUTHORITIES.
- THE CONTRACTOR SHALL VERIFY THE NATURE, DEPTH AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL SECURE PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON SITE. THE PLANS SHALL BE MADE AVAILABLE TO THE ENGINEER AND JURISDICTIONAL AUTHORITIES UPON REQUEST.
- ALL OTHER PUBLIC OR PRIVATE UTILITY FACILITIES SHALL BE CONSTRUCTED AT LEAST 5 FEET FROM ANY WATER MAIN AS MEASURED FROM THE OUTSIDE BELL OF THE UTILITY PIPE.
- WHEN THE 5 FEET SEPARATION BETWEEN PROPOSED AND EXISTING LINES IS NOT POSSIBLE, THE CONTRACTOR SHALL HAND DIG OR EXPOSE THE WATER PIPE(S) BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.

HEALTH DEPARTMENT NOTES:

WATER MAINS HORIZONTAL SEPARATIONS:

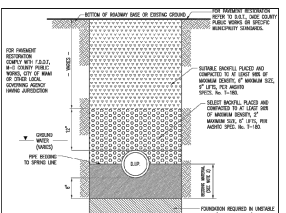
- SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES. SHALL BE 3 FEET MINIMUM.
- BETWEEN WATER MAINS AND VACUUM TYPE SEWER, PREFERABLY 10 FEET AND AT LEAST 3 FEET MINIMUM.
- GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FEET AND AT LEAST 3 FEET MAY BE REDUCED TO 3 FEET WHERE BOTTOM OF WATER MAINS IS AT LEAST 8 INCHES ABOVE TOP OF SEWER TRENCH.
- 10 FEET TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

WATER MAIN VERTICAL SEPARATIONS:

- SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER OR STORM SEWERS TO BE PREFERABLY 12 INCHES, OR AT LEAST 8 INCHES ABOVE OR AT LEAST 12 INCHES BELOW.
- PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.

NOTE:

CENTER 1 FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS. ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER.



NOTES:

- ALL EXCAVATION SHALL BE PROTECTED FROM TRAFFIC AND EROSION. ALL SETTLEMENT OR WASHING AWAY THAT MAY OCCUR FROM ANY CAUSE PRIOR TO SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES RE-ESTABLISHED TO THE REQUIRED ELEVATION AND SLOPES AT NO ADDITIONAL COST TO THE PROJECT.
- ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE UNDER THE DIRECTION OF THE ENGINEER AND APPLICABLE JURISDICTIONAL AUTHORITIES.
- THE CONTRACTOR SHALL VERIFY THE NATURE, DEPTH AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL SECURE PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON SITE. THE PLANS SHALL BE MADE AVAILABLE TO THE ENGINEER AND JURISDICTIONAL AUTHORITIES UPON REQUEST.
- ALL OTHER PUBLIC OR PRIVATE UTILITY FACILITIES SHALL BE CONSTRUCTED AT LEAST 5 FEET FROM ANY WATER MAIN AS MEASURED FROM THE OUTSIDE BELL OF THE UTILITY PIPE.
- WHEN THE 5 FEET SEPARATION BETWEEN PROPOSED AND EXISTING LINES IS NOT POSSIBLE, THE CONTRACTOR SHALL HAND DIG OR EXPOSE THE WATER PIPE(S) BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.



NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES



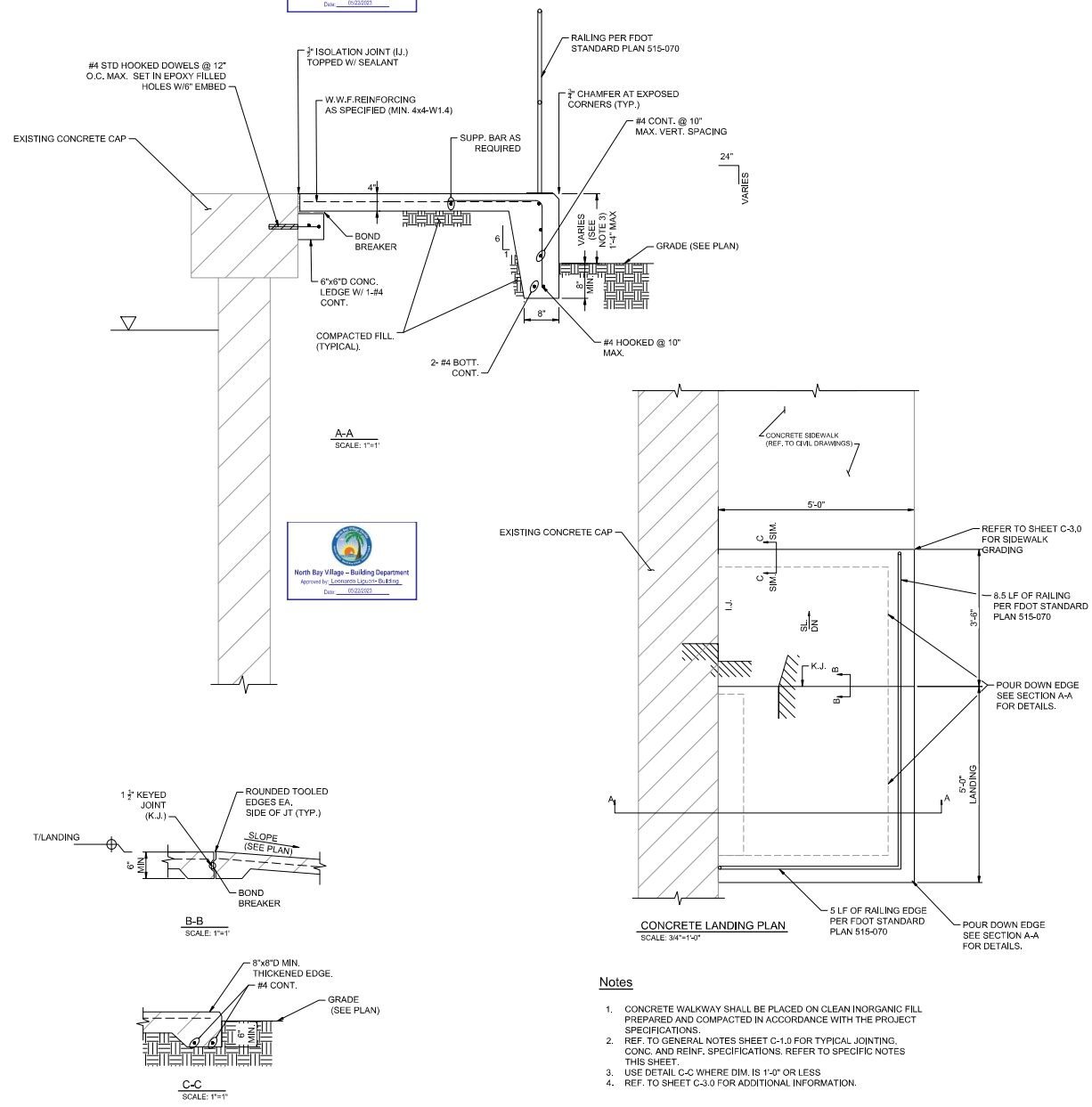
CONCRETE & REINFORCING STEEL

- 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 CONCRETE5,000 psi (MIN.)
 - REINFORCING STEELASTM A615, GRADE 60
- 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 304-00, 308-16, 308.1-11 & 347-14.
- ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315-18. REINFORCING STEEL SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO USE IN CONSTRUCTION.
- 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.



EPOXY BOWELS

- DOWEL EMBEDMENT AND HOLE DIAMETER SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- 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.



- Notes**
- CONCRETE WALKWAY SHALL BE PLACED ON CLEAN INORGANIC FILL PREPARED AND COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
 - REF. TO GENERAL NOTES SHEET C-1.0 FOR TYPICAL JOINTING, CONC. AND REINF. SPECIFICATIONS. REFER TO SPECIFIC NOTES THIS SHEET.
 - USE DETAIL C-C WHERE DIM. IS 1'-0" OR LESS
 - REF. TO SHEET C-3.0 FOR ADDITIONAL INFORMATION.



**PAUL VOGLER PARK
NORTH BAY VILLAGE**
7820 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

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

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: MARCH 31, 2023
DESIGNED BY: LB/TN
DRAWN BY: FF
REVIEWED BY: LB

LUDOVIC BINNER
FL LICENSE No. 72274

**CONCRETE WALKWAY
STRUCTURAL DETAILS**

SHEET NO. **S-501**

PERMIT SUBMITTAL

PLAN SCALE CORRESPONDS TO PLAN SHEET NUMBER. IF PLOTTED ON OTHER SIZE, CON DOES NOT WARRANT THE ACCURACY OF THE PLAN SCALE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLAN SCALE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLAN SCALE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLAN SCALE.