

NORTH BAY VILLAGE PUBLIC WORKS & ENGINEERING

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



RFQ 2019-005

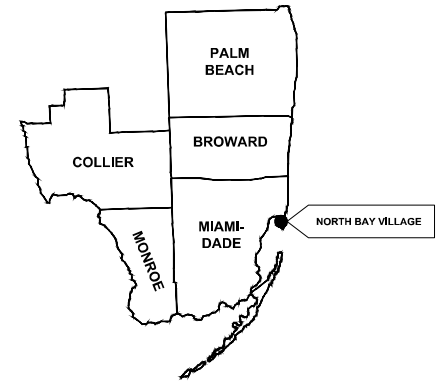
7920 WEST DR. NORTH BAY VILLAGE, FL 33141

VOGEL PARK MARINE FACILITY PHASE II

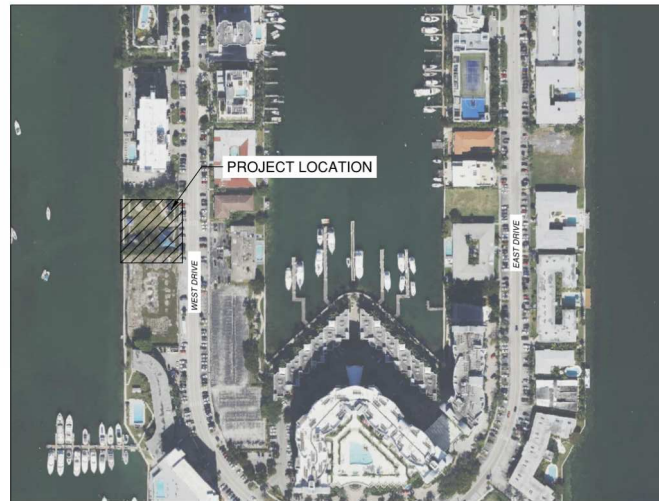
**BID SET
ITB 2023-003
AUGUST 2023**

INDEX OF SHEETS

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Vicinity Map
NTS



PROJECT LOCATION MAP
1" = 150'



NORTH BAY VILLAGE COMMISSION

MAYOR: BRENT LATHAM
 VICE MAYOR: DR. RICHARD CHEVRONY
 COMMISSIONERS: GORAN CUK
 ANDY DARO
 RACHEL STREITFELD, ESQ

VILLAGE MANAGER: RALPH ROSADO, Ph.D

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

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

SAFETY
 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 ASH-CARLE HEAD 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.

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.

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



8/18/2023
 EVELYN L. RODRIGUEZ, P.E.
 FL LICENSE No. 78548

PLANS SCALE CORRESPONDING TO DATE: 08/15/2023. IF A PORTION OF THESE PLANS, LOGS, ETC. ARE NOT WARRANT THE ACCURACY OF THE PLANS. SCALE CORRESPONDING TO DATE: 08/15/2023. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.



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

ON THE DATE ADJACENT TO THE SEAL

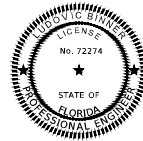
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EAC CONSULTING, INC.
8585 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33150
EVELYN L. RODRIGUEZ, P.E. NO. 78548
8/18/2023

Evelyn Rodriguez, Digitally signed and sealed by Evelyn L. Rodriguez
Date: 2023.08.21 15:55:47 -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
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



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

ON THE DATE ADJACENT TO THE SEAL

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MOPFAT & NICHOL
2337 SW 27TH AVE, SUITE 101A
MIAMI, FL 33153
LUDOVIC BINNER P.E. NO. 72274

Ludovic Binner, Digitally signed and sealed by Ludovic Binner
Date: 2023.08.21 14:41:50-0400

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

CONSULTANT:



EAC Consulting, Inc.
8585 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33150
PH: 305-265-5400
EAC PROJECT NO. 19075.LD01-09

SUB-CONSULTANT:

DESIGN TICKET NO. 288332433
Sunshine
Call 811 or visit our website at www.sunshinefl.com for more information. For more information, visit our website at www.sunshinefl.com.

PROJECT:

**VOGEL PARK
MARINE FACILITY
PHASE II**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY
1	ADDENDUM NO. 1	8-18-2023	BW

DATE ISSUED: 8/21/2023

DESIGNED BY: ER

DRAWN BY: BW

REVIEWED BY: MA

SEAL:

8/18/2023
EVELYN L. RODRIGUEZ, P.E.
FL LICENSE No. 78548

SHEET TITLE:

**SIGNATURE
SHEET**

SHEET NO.

G-1.0

BID SET

NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES

IF ANY SCALE CORRECTIONS TO A01 ARE REQUIRED, IT MUST BE DONE ON THESE SAME COPIES AND NOT WARRANT THE ACCURACY OF THE PLAN SHALL BE THE USER'S RESPONSIBILITY. EAC CONSULTING, INC. 8/18/2023

SWPPP & NPDES PERMIT NOTES

1. ALL CONSTRUCTION PROJECTS 1/2 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 OWNERS REPRESENTATIVE HAS DESIGNATED 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 TARPULINS.
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 DETAIL.
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 GAUGES & 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 PERMIT CONDITIONS.
15. WITHIN 24 HOURS OF INFILTRATION, 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 PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
18. CONTRACTOR SHALL PROTECT STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL AGAINST ACCIDENTAL TRANSPORTATION FROM PROJECT SITE BY WIND & WATER FLOW.
19. CONTRACTOR SHALL PROTECT ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION FROM SEDIMENT(S) INTRUSION.
20. CONTRACTOR SHALL SUBMIT MODIFICATIONS OR CHANGES TO THE INFORMATION DEPICTED ON THE SWPPP NOTES AND/OR DRAWINGS TO THE ECOR JURISDICTIONS FOR APPROVAL.
21. ALL APPLICABLE PERMITS RELATING TO THE INSTALLATION OF THESE MEASURES SHALL BE SECURED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

ROCK BARRIERS FOR AREA DRAINS

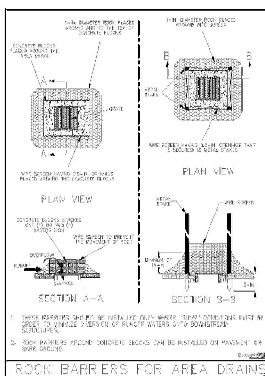


Figure V-33 Illustration of Rock Barrier System across Area Drain
 Scale: 1/4" = 1'-0" (Not to Scale)

MINIMUM 24 HOURS OF ADVANCE NOTICE TO PREPARE AND INSTALLATION OF EROSION & SEDIMENT CONTROL

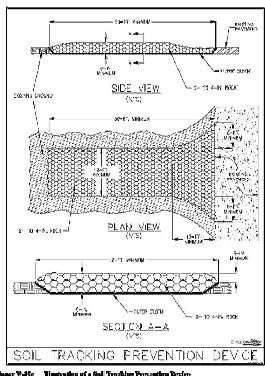


Figure V-34 Illustration of a Soil Tracking Prevention Device
 Scale: 1/4" = 1'-0" (Not to Scale)

MINIMUM 24 HOURS OF ADVANCE NOTICE TO PREPARE AND INSTALLATION OF EROSION & SEDIMENT CONTROL

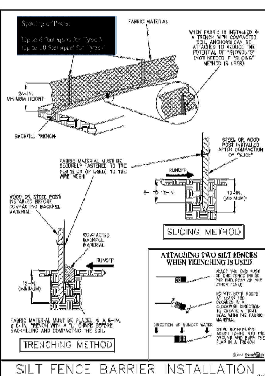


Figure V-35 Illustration of a Silt Fence Barrier
 Scale: 1/4" = 1'-0" (Not to Scale)

STPD (STORMWATER POLLUTION PREVENTION DEVICE) WITHIN 24 HOURS OF INFILTRATION

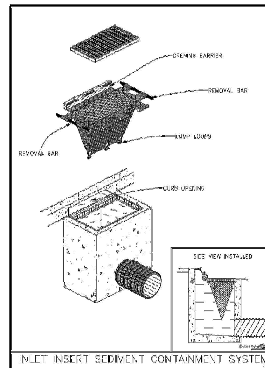


Figure V-41 Illustration of the M-C Insert Sediment Containment System
 Scale: 1/4" = 1'-0" (Not to Scale)



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 PH: 305-265-5400
 EAC PROJECT NO. 19075L01-D09

SUB-CONSULTANT:

DESIGN LICENSE NO. 288332423
Sunshine
 CERT. NO. 288332423 (EIT) (08/15/2023)
 No. of hours: 48000
 www.sunshine.com

PROJECT:
VOGEL PARK MARINE FACILITY PHASE II

KEY MAP:

NO.	DESCRIPTION	DATE	BY
1	ADDENDUM NO. 1	8-18-2023	BW

DATE ISSUED: 02/1/2023
 DESIGNED BY: ER
 DRAWN BY: BW
 REVIEWED BY: MA

SEAL:

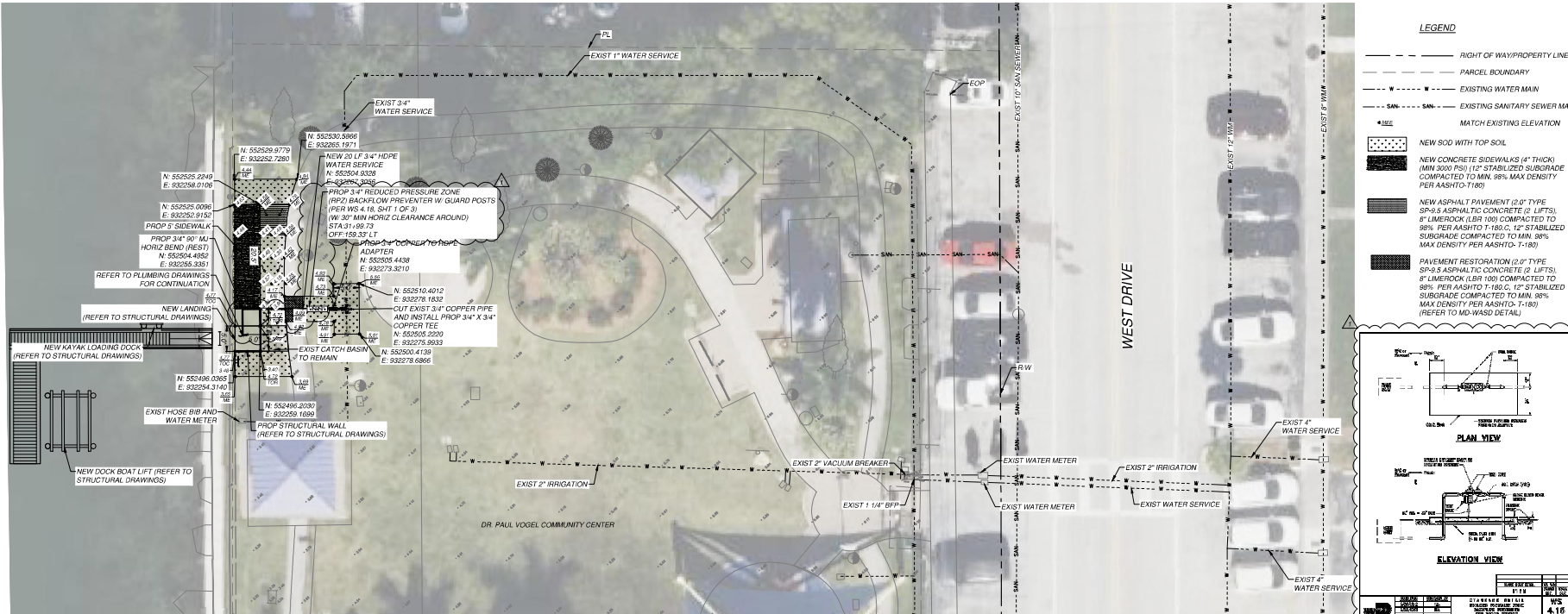
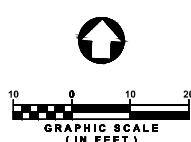
 EVELYN L. RODRIGUEZ, P.E.
 FL LICENSE NO. 78548

SWPPP NOTES AND DETAILS

SHEET TITLE:
C-2.0
 BID SET

NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES

THIS SHEET CONFORMS TO AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AS SPECIFIED IN THE CONTRACT DOCUMENTS.



LEGEND

- RIGHT OF WAY/PROPERTY LINE
- - - - - PARCEL BOUNDARY
- - - - - EXISTING WATER MAIN
- - - - - EXISTING SANITARY SEWER MAIN
- - - - - MATCH EXISTING ELEVATION
- NEW SOG WITH TOP SOIL
- NEW CONCRETE SIDEWALKS (4" THICK) (MIN 3000 PSI) 12" STABILIZED SUBGRADE COMPACTED TO MIN 98% MAX DENSITY PER AASHTO T-180
- NEW ASPHALT PAVEMENT (2" TYPE SP-9.5 ASPHALTIC CONCRETE (2 LIFTS) 8" LIMEROCK (LB 100) COMPACTED TO 98% PER AASHTO T-180. 12" STABILIZED SUBGRADE COMPACTED TO MIN 98% MAX DENSITY PER AASHTO T-180)
- PAVEMENT RESTORATION (2" TYPE SP-9.5 ASPHALTIC CONCRETE (2 LIFTS) 8" LIMEROCK (LB 100) COMPACTED TO 98% PER AASHTO T-180. 12" STABILIZED SUBGRADE COMPACTED TO MIN 98% MAX DENSITY PER AASHTO T-180) (REFER TO MD-WAD DETAIL)

PLAN VIEW

ELEVATION VIEW

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 MIAMI, FL 33150
 PH: 305-285-5400
 EAC PROJECT NO. 19075.LD01-09

SUB-CONSULTANT:
Sunshine
 Call for services and information
 11000 NW 11th Street, Suite 100
 Fort Lauderdale, FL 33304
 www.sunshinefl.com

PROJECT:
VOGEL PARK MARINE FACILITY PHASE II

KEY MAP:

REVISONS:

NO.	DESCRIPTION	DATE	BY
1	ADDENDUM NO. 1	01/20/2023	BW

DATE ISSUED: 8/21/2023

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



8/18/2023
 SHEET TITLE:

PAVING, GRADING AND WATER SERVICE PLAN

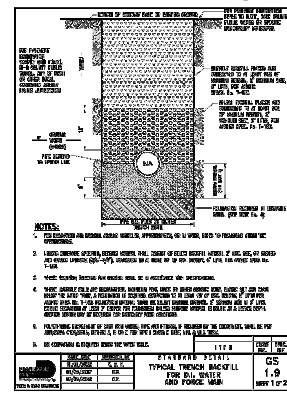
SHEET NO.

C-3.0

BID SET

- 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 VIEWED 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 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 MD-WAD 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 BELLY OF THE UTILITY PIPE.
 - WHEN THE 5 FEET SEPARATION BETWEEN PROPOSED AND EXISTING LINE IS NOT POSSIBLE, THE CONTRACTOR SHALL HAND DIG OR EXPOSE THE WATER PIPE(S) BEFORE PROCEEDING WITH POWER EQUIPMENT EXCAVATION.
 - IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUITS, CABLES, ETC. IN THE SAME TRENCH PARALLELS AND ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY CROSS.
 - CONTRACTOR SHALL ADVISE THE CITY OF NORTH BAY VILLAGE PUBLIC WORKS DEPARTMENT TO VIEW PROCEDURES BEFORE ISSUANCE OF NOTICE TO PROCEED AND CONSTRUCTION WORK.
 - CONTRACTOR SHALL REVIEW AND COORDINATE PROPOSED CONNECTIONS WITH ALL UTILITY PLANS AND AS-BUILT INFORMATION.
 - MAINTAIN WATER & SEWER DEPARTMENT (M-DWSD) CURRENT STANDARDS, SPECIFICATIONS AND REFERENCES ARE APPLICABLE TO THIS PROJECT AS DEPICTED ON THE PLAN AND THE DETAIL SHEETS. NO DEVIATION IS AUTHORIZED EXCEPT AFTER OBTAINING PRIOR CONSENT OF OWNER, NORTH BAY VILLAGE'S ENGINEER.
 - TEMPORARY DISCONNECTIONS FOR TRI-ANS RE-ROUTES AND PROP. TAPS SHALL BE PROPERLY COORDINATED WITH PROPERTY OWNERS AND THE NORTH BAY VILLAGE.
 - TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT. A TEMPORARY COVER WITH A CAPACITY OF 40,000 LBS SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO NORTH BAY VILLAGE.
 - TRENCH EXCAVATIONS SHALL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT SECTION 583.80(5)(3) AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 C.F.R. 1926.650 SUBPART 1P INCLUDING ALL SUBSEQUENT REVISIONS.
 - TRENCH AND DITCHES SHALL COMPLY WITH NECESSARY SECURITY AS PER RULE 380.43(2) FAC. AND 6A.208(1)(2). CONTRACTOR SHALL PROVIDE APPROPRIATE CERTIFICATION THAT HE HAS COMPLIED WITH THE ABOVE. SUCH CERTIFICATION MUST BE SUBMITTED PRIOR TO CLOSE OUT AND FOR PROJECT TO BE ACCEPTED AS COMPLETE.
 - SHOP DRAWINGS SHALL COMPLY WITH PROJECT GENERAL CONDITIONS AND APPLICABLE TECHNICAL SPECIFICATIONS.
 - CONTRACTOR SHALL REQUEST PRE-CONSTRUCTION MEETING WITH NORTH BAY VILLAGE PUBLIC WORKS DEPARTMENT TO VIEW PROCEDURES BEFORE ISSUANCE OF NOTICE TO PROCEED AND CONSTRUCTION WORK.
 - WATER MAINS AND SERVICE LINES SHALL COMPLY WITH APPLICABLE NORTH BAY VILLAGE PUBLIC WORKS DEPARTMENT REGULATIONS AND SPECIFICATIONS. FLORIDA HEALTH DEPARTMENT STANDARDS AND FLORIDA D.E.P. JURISDICTIONAL CRITERIA AND REQUIREMENTS.
 - CONSTRUCTION DEBRIS SHALL NOT BE BURIED OR LEFT ON SITE DURING OR AFTER CONSTRUCTION TO IMPACT ON PROPOSED WORK OR ALREADY CONSTRUCTED WORK.
 - ALL AREAS AFFECTED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
 - APPLICABLE NORTH BAY VILLAGE PUBLIC WORKS DEPARTMENT, HRS AND DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) PERMIT APPROVALS MUST BE OBTAINED PRIOR TO COMMENCING CONSTRUCTION.

- 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 6 FEET MAY BE REDUCED TO 3 FEET WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER MAINS.
 - 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 6 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:

- SEE CONTRACTOR'S ENGINEER'S NOTES FOR ALL NOTES AND SPECIFICATIONS.
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CONTRACTOR'S RESPONSIBILITIES:

- VERIFY ALL UTILITIES AND DEPT. APPROVALS.
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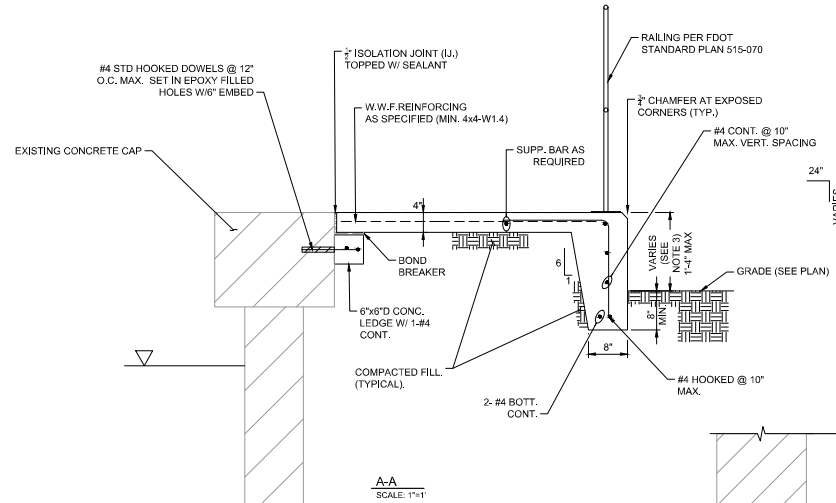
CONTRACTOR SHALL VERIFY ALL UTILITIES AND DEPT. APPROVALS. CONTRACTOR SHALL VERIFY ALL UTILITIES AND DEPT. APPROVALS. CONTRACTOR SHALL VERIFY ALL UTILITIES AND DEPT. APPROVALS.

CONCRETE & REINFORCING STEEL

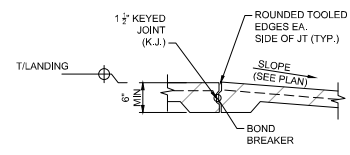
- ALL CONCRETE MATERIALS, REINFORCEMENT, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346, 400, AND 415 UNLESS OTHERWISE NOTED.
- ALL CONCRETE SHALL BE A NORMAL WEIGHT CONCRETE (WITH A MINIMUM DENSITY OF 145 pcf).
- ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL 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.
- CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND IN ACCORDANCE WITH FDOT SPECIFICATION 400-16.1 AND 400-16.2.
- LAP SPLICES SHALL BE MINIMUM CLASS "B" LAP SPLICES IN ACCORDANCE WITH ACI 318.

EPOXY DOWELS

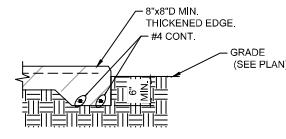
- DOWEL EMBEDMENT AND HOLE DIAMETER SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION.
- DRILLED HOLES SHALL HAVE ROUGHENED INTERIOR SURFACE AS PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL LOCATE REINFORCEMENT PRIOR TO DRILLING HOLES, 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.



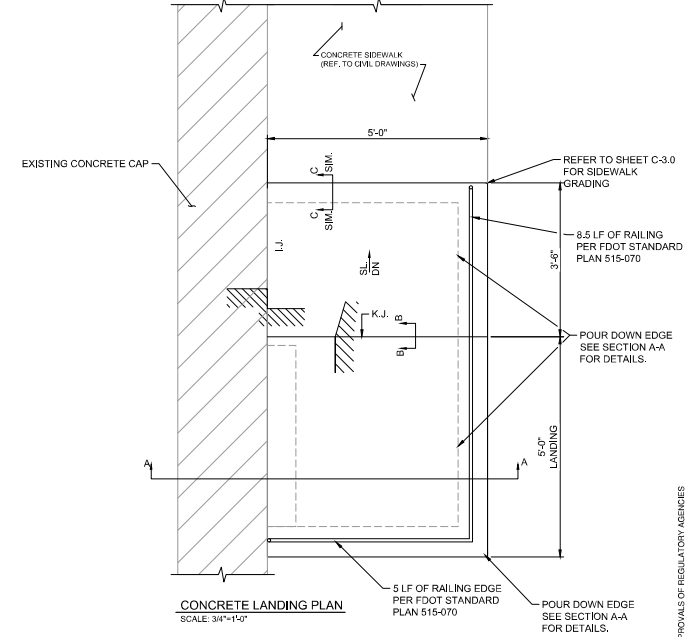
A-A
SCALE: 1"=1'



B-B
SCALE: 1"=1'



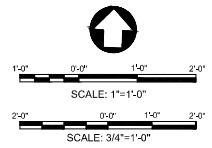
C-C
SCALE: 1"=1'




CONCRETE LANDING PLAN
SCALE: 3/4"=1'-0"

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.






NORTH BAY VILLAGE

CONSULTANT:



EAC Consulting, Inc.
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MIAMI, FL 33156
PH: 305-265-5400
EAC PROJECT NO. 19075.L001-09

SUB-CONSULTANT:



mollett & nichel
2837 SW 27th AVE., STE. 101A
MIAMI, FL 33155
305-230-1924
(FL EB 4877)

PROJECT:

VOGEL PARK MARINE FACILITY PHASE II

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: JULY 17, 2023
 DESIGNED BY: LB/TN
 DRAWN BY: FE
 REVIEWED BY: LB

SEAL:
 Ludovic Binner, State of Florida,
 Professional Engineer, License No.
 72274.
 This form has been digitally signed and
 sealed by Ludovic Binner on the date
 indicated here.
 Printed copies of this document are not
 considered signed and sealed and the
 signature must be verified on any
 electronic copies.
 2023.08.21 14:45:59-04'00"

LUDOVIC BINNER
FL LICENSE NO. 72274

SHEET TITLE:
CONCRETE WALKWAY STRUCTURAL DETAILS

SHEET NO.
S-501

BID SET

PLAN SCALE CORRESPONDS TO PLAN SIZE. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PLAN SCALE. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PLAN SCALE. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PLAN SCALE.