

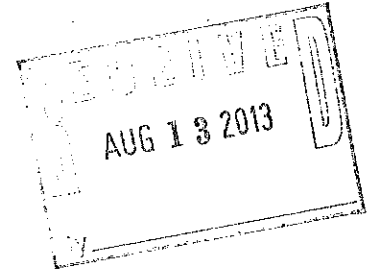


DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
MIAMI REGULATORY OFFICE  
9900 SOUTHWEST 107<sup>th</sup> Ave, SUITE 203  
MIAMI, FLORIDA 33176

REPLY TO  
ATTENTION OF

Regulatory Division  
South Permits Branch  
Miami Regulatory Office  
SAJ-1999-02683 (GP-AG)

AUG 08 2013



City of Miami  
c/o Orlando Misas, CIP Project Manager  
444 SW 2<sup>nd</sup> Avenue  
Miami, FL 33130

Dear Mr. Misas:

Your application for a Department of the Army permit received on April 26, 2013, has been assigned number SAJ-1999-02683. A review of the information and drawings provided shows the proposed work is to constructing a 22.5 foot wide by 155 foot long baywalk/deck as well as a 9 foot wide by 94 foot long connection walkway to an existing walkway at Margaret Pace Park. Of the total 4,033 square feet associated with the structure only 594 square feet will be over navigable waters of the U.S. and the remaining will be located landward of the annual high tide line. The widest portion of the deck will be located at the south property line and will extend over water approximately 12 feet and will be supported by 2 concrete piles. The remainder of the baywalk will vary between 1-4 feet over water and will be cantilever. The project also includes the temporary deployment of a turbidity curtain during the construction phase. Work is proposed in U.S. navigable waters.

The project is located on Biscayne Bay at 1737 North Bayshore Drive in Section 19, Township 53 South, Range 42 East, Miami, Florida 33172.

Your project, as depicted on the enclosed drawings dated by the Corps on August 8, 2013, is authorized by Regional General Permit (GP) SAJ-33. This authorization is valid until **8 April 2018**. You must comply with all of the special and general conditions and any project-specific conditions of this authorization or you may be subject to enforcement action. The following project-specific conditions are included with this authorization:

1. **Reporting Address:** All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 9900 Southwest 107<sup>th</sup> Avenue, Suite 203, Miami, Florida 33176. The Permittee shall reference this permit number, SAJ-1999-2683 (GP-AG), on all submittals.

**2. Commencement Notification:** Within ten (10) days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

**3. Self-Certification:** Within sixty (60) days of completion of the authorized work or at the expiration of the construction authorization of this permit, whichever occurs first, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form (attached) and submit to the Corps. In the event that the completed work deviates, in any manner, from the authorized work, the Permittee shall describe, on the Self-Certification Form, the deviations between the work authorized by the permit and the work as constructed. Please note that the description of any deviations on the Self-Certification Form does not constitute approval of any deviations by the Corps.

**4. Posting of Permit:** The Permittee shall ensure that all contractors, sub-contractors, and entities associated with the implementation of the project review, understand, and comply with the approved plans and special conditions made part of this permit. Complete copies of the permit and approved plans shall be available at the construction site at all times. Failure to comply with the approved plans and permit special conditions may subject the Permittee to enforcement action.

**5. Regulatory Agency Changes:** Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a modification of this permit is required prior to initiation of those changes. It is the Permittee's responsibility to request a modification from the Miami Regulatory Office.

**6. Manatee Conditions:** The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011," attached to this permit.

**7. Sea Turtle and Smalltooth Sawfish Conditions:** The Permittee agrees to abide by the enclosed standard construction conditions designed to protect the Smalltooth sawfish and sea turtles (National Marine Fisheries, 2006).

**8. Turbidity Barriers:** Prior to the initiation of any of the work authorized by this permit the Permittee shall install floating turbidity barriers with weighted skirts that extend to within one foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all erodible materials have been stabilized.

**9. Water Quality Certification and FWC Licensing:** This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. Prior to the initiation of any construction, projects qualifying for this Nationwide permit must qualify for an exemption under section 403.813(1), F.S. or 373.406, F.S., or

otherwise be authorized by the applicable permit required under Part IV of Chapter 373, F.S., by the Department of Environmental Protection, a water management district under section 373.069, F.S., or a local government with delegated authority under section 373.441, F.S., and receive Water Quality Certification (WQC) and applicable Coastal Zone Consistency Concurrence (CZCC) or waiver thereto, as well as any authorizations required for the use of state-owned submerged lands under Chapter 253, F.S., and, as applicable, Chapter 258, F.S. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

This letter of authorization does not include conditions that would prevent the 'take' of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory (<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

**10. Cultural Resources/Historic Properties:**

- a. No structure or work shall adversely affect, impact, or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.
- b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the Corps. The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.
- c. A cultural resources assessment may be required of the permit area, if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO and the Corps.
- d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work in the vicinity shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist. The Corps shall then notify the appropriate SHPO and THPO(s). Based, on

the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist, SHPO and the Corps.

e. In the unlikely event that human remains are encountered on federal or tribal lands, or in situations where Archaeological Resources Protection Act of 1979, or Native American Graves Protection Repatriation Act of 1990 applies, all work in the vicinity shall immediately cease and the Permittee immediately notify the Corps. The Corps shall then notify the appropriate THPO(s) and SHPO. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. After such notification, project activities on federal lands shall not resume without written authorization from the Corps, and/or appropriate THPO(s), SHPO, and federal manager. After such notification, project activities on tribal lands shall not resume without written authorization from the appropriate THPO(s) and the Corps.

**11. Best Management Practices:** Environmental controls and best management practices must be implemented to properly contain construction materials and prevent fugitive particulates from entering surrounding waters during the construction of the project.

**12. Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced GP, please contact Albert Gonzalez by telephone at 305-779-6055.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit <http://per2.nwp.usace.army.mil/survey.html> and complete our automated Customer Service Survey. Your input is appreciated – favorable or otherwise. Again, please be aware this web address is case sensitive and should be entered as it appears above.

Sincerely,



ALBERT GONZALEZ  
Project Manager

Enclosures:

FWS Standard Manatee Conditions for In-Water Work (2011)  
NMFS Sea Turtle and Smalltooth Sawfish Construction Conditions (2006)  
General Conditions  
Self-Certification Statement of Compliance  
Permit Transfer Request  
Project drawings date stamped on 8 August 2013

Copies Furnished:

Ricardo Ayala, BCC Engineering  
CESAJ-RD-PE

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**

**General Permit Number: SAJ-33**  
**Application Number: SAJ-1999-02683**

Permittee's Name & Address (please print or type): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Location of the Work: \_\_\_\_\_

\_\_\_\_\_

Date Work Started: \_\_\_\_\_ Date Work Completed: \_\_\_\_\_

Description of the Work (e.g. bank stabilization, residential or commercial filling, docks, dredging, etc.): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Acreage or Square Feet of Impacts to Waters of the United States:

\_\_\_\_\_

Describe Mitigation completed (if applicable): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Describe any Deviations from Permit (attach drawing(s) depicting the deviations):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date

GENERAL CONDITIONS

33 CFR PART 320-330

PUBLISHED FEDERAL REGISTER DATED 13 NOVEMBER 1986

1. The time limit for completing the work authorized ends on **date identified in the letter**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at [ImperiledSpecies@myFWC.com](mailto:ImperiledSpecies@myFWC.com)
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at [MyFWC.com/manatee](http://MyFWC.com/manatee). Questions concerning these signs can be sent to the email address listed above.



# CAUTION: MANATEE HABITAT

All project vessels

## **IDLE SPEED / NO WAKE**

When a manatee is within 50 feet of work  
all in-water activities must

## **SHUT DOWN**

Report any collision with or injury to a manatee:

Wildlife Alert:

**1-888-404-FWCC(3922)**

cell \*FWC or #FWC





UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
Southeast Regional Office  
263 13th Avenue South  
St. Petersburg, FL 33701

### SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc



**DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST**

**PERMIT NUMBER: SAJ-1999-02683 (GP-AG)**

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, FL 32232-0019.

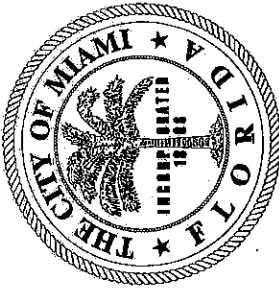
\_\_\_\_\_  
(TRANSFEEE-SIGNATURE)                      (SUBDIVISION)

\_\_\_\_\_  
(DATE)                                      (LOT)    (BLOCK)

\_\_\_\_\_  
(NAME-PRINTED)                                      (STREET ADDRESS)

\_\_\_\_\_  
  
\_\_\_\_\_  
(MAILING ADDRESS)

\_\_\_\_\_  
(CITY, STATE, ZIP CODE)



**CITY OF MIAMI  
CAPITAL IMPROVEMENTS PROGRAM**

**MARK SPANIOLI, P.E. DIRECTOR  
PROJECT No. B-30731  
MIAMI WOMAN'S CLUB  
SEAWALL & BAYWALK  
CONSTRUCTION PLANS**

**Commissioner**

**Mayor**  
Tomas F. Regalado

**Commissioner**

Wifredo (Willy) Gort

**Commissioner**

Marc Sarnoff

**Commissioner**

Frank Carollo

**Commissioner**

Francis Suarez

**Commissioner**

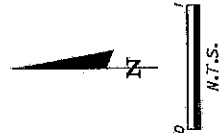
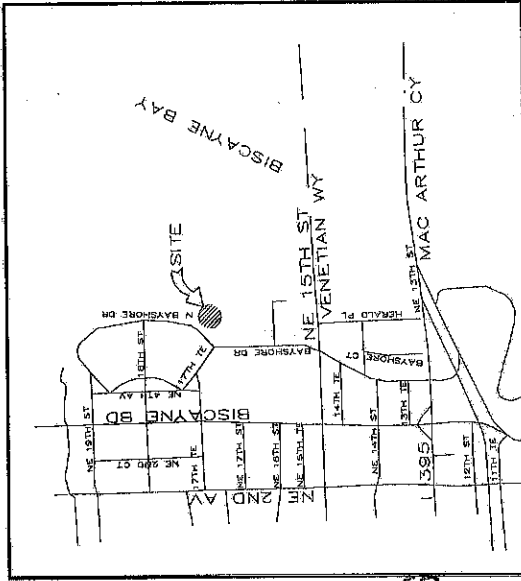
Michelle Spence Jones

**City Manager**

Johnny Martinez, P.E.

**INDEX OF SHEETS**

SHEET NO.	SHEET DESCRIPTION
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6 & 7	ENGINEERING DETAILS
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**US ARMY  
CORPS OF ENGINEERS**

**AUG 08 2013**

MIAMI REGULATORY OFFICE

COE # 1999-02683  
PROJECT MANAGER: A. Gonzalez

GOVERNING STANDARDS AND SPECIFICATIONS:  
- FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2010,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2010,  
AS AMENDED BY CONTRACT DOCUMENTS FOR  
- CITY OF MIAMI ENGINEERING MANUAL FOR  
DESIGN AND CONSTRUCTION DATED DECEMBER 2010.

**ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:**  
Mark A. White, P.E.  
BCC Engineering  
7300 N Kendall Drive, Suite 400  
Miami, Florida 33156  
Phone: (305) 676-2250  
Fax: (305) 676-2851

**STRUCTURAL SHOP DRAWINGS  
TO BE SUBMITTED TO:**  
Steve Golash, P.E.  
BCC Engineering  
7300 N Kendall Drive, Suite 400  
Miami, Florida 33156  
Phone: (305) 676-2250  
Fax: (305) 676-2851

PLANS PREPARED BY:



NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

ROADWAY PLANS  
ENGINEER OF RECORD: RICARDO A. AYALA, P.E.

P.E. NO.: 69950

SHEET NO.	1
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ITEM	PAY ITEM	DESCRIPTION	LIMITS	QUANTITY
1	104-1	MOBILIZATION	LS	1
2	104-10-3	SILT FENCE	LF	328
3	104-11	FLOATING TURBIDITY BARRIER	LF	350
4	104-18	INLET PROTECTION SYSTEM	EA	2
5	110-1-1	CLEARING AND GRUBBING	AC	0.084
6	120-6	BENCHMARK (FULL TO REGRADE GREEN AREAS ALONG WALKWAY)	CY	6
7	425-2-101	CONTECH HYDRODYNAMIC SEPARATION SYSTEM - MODEL CDS2015	EA	1
8	425-10	YARD DRAIN - NYLOPLAST (8")	EA	15
9	425-10	DRAIN BASIN - NYLOPLAST (12")	EA	1
10	425-10	TRENCH DRAIN (2" URN 2-888 OR APPROVED EQUAL)	LF	8
11	430-175-112	PIPE CULLY (OPT MAT) (ROUND) (8") (ALL PIPE TO BE PVC)	LF	166
12	430-175-112	PIPE CULLY (OPT MAT) (ROUND) (10") (ALL PIPE TO BE HDPE)	LF	30
13	435-34-2	PRESTRESSED CONCRETE PILING, 14" SQ	LF	48
14	515-2-319	PEDESTRIAN RAILING	LF	140
15	520-2-4	CONCRETE CURB (TYPE 10')	LF	143
16	580-10-928	FENCING (ALUMINUM PROJECT FENCE)	LF	150
17	570-1-2	PERFORMANCE TURF, SOD	SF	120
18	580-1-2	LANDSCAPE COMPLETE (CABBAGE PALM OR EQUAL)	EA	17
19		SEAWALL REPAIR	SF	150
20		RIVER ROCK	SF	510
21		CAST-IN-PLACE CONCRETE	CY	132
22	715-2-11	LIGHTING - CONDUIT UNDERGROUND	LF	450
23	715-14-32	LIGHTING - R.L.BOX, INSTALL	EA	5
24	715-511-115	LIGHT POLE COMPLETE SPECIAL DESIGN (15' H), FM	EA	3
25	721-75-1	BENCH (AS PER CITY OF MIAMI GREENWAY STANDARDS)	EA	4
26	721-74-1	TRASH RECEPTACLE (AS PER CITY OF MIAMI GREENWAY STANDARDS)	EA	2

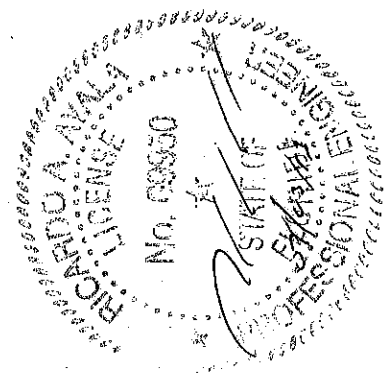
**PAY ITEM NOTES:**  
 PAY ITEMS INCLUDES ESTIMATED QUANTITY CONTINGENT UPON THE CONTRACTOR'S FIELD OBSERVATIONS. QUANTITIES MAY BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER.  
 CLEARING AND GRUBBING INCLUDES REMOVAL OF EXISTING PAVEMENT, MISCELLANEOUS CURBS, BENCHES, AND LEGAL AREAS PROVIDED BY THE CONTRACTOR. INCLUDES THE COST OF CLEANING-OUT ALL EXISTING DRAINAGE STRUCTURES WHICH ARE TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.

425-2-101  
 THIS PAY ITEM SHALL INCLUDE FURNISHING AND INSTALLING COMPLETE HYDRODYNAMIC DEVICE AS SPECIFIED IN THE PLANS (CONTECH HYDRODYNAMIC SEPARATION SYSTEM - MODEL CDS2015). THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR WITHIN THE LIMITS OF CONSTRUCTION. SECTION 425 FOR INSTALLATION OF MANHOLES.

**US ARMY  
 CORPS OF ENGINEERS**

AUG 08 2013

MIAMI REGULATORY OFFICE  
 SOE # 1999-02683  
 PROJECT MANAGER: *A. Gonzalez*



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM PROJECT NAME: MIAMI WOMAN'S CLUB SEAWALL & BAYWALK PROJECT ID: B-30731			SUMMARY OF QUANTITIES SHEET NO. 2		

RICARDO A. AYALA, P.E.  
 License No. 69950  
 7320 N Kendall Drive, Suite 400  
 Miami, Florida 33156  
 Phone: (305) 570-2330  
 Certificate of Authorization No. 7184

**GENERAL NOTES**

1. B.M. DATA AND ELEVATION ARE CITY OF MIAMI DATA.
2. ANY BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CHANGES, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MIAMI TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY THE CITY OF MIAMI SURVEYOR, DEPARTMENT OF PUBLIC WORKS, (305) 361-1200.
3. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CHANGES, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MIAMI TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL OBTAIN ALL LAND SURVEY AND MONUMENTS AND SHALL FURNISH TO CITY OF MIAMI SURVEYOR, DEPARTMENT OF PUBLIC WORKS A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
4. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MIAMI DEPARTMENT OF PUBLIC WORKS, DEPARTMENT AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
5. MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED AND COVERED CONSISTENTLY THROUGHOUT THE PROJECT. ALL VALVES, MANHOLES, AND OTHER CONTROL MECHANISMS SHALL BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CHANGES, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MIAMI TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL OBTAIN ALL LAND SURVEY AND MONUMENTS AND SHALL FURNISH TO CITY OF MIAMI SURVEYOR, DEPARTMENT OF PUBLIC WORKS A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
6. CLEARING AND GRUBBING, GRAVING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE ROW SHALL BE INCLUDED IN RELATED BID ITEMS.
7. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD FOR ALL ITEMS USED IN THIS PROJECT.
8. WHEN DESCRIBING MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE CONTRACTOR SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH EPOXY/ASTM MATERIAL.

9. EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED.
10. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF RECORD OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.
11. THERE SHALL BE NO MORE THAN THREE LATERAL DRAINAGE INSTALLATIONS WITHOUT BACKFILLING. BACKFILLING OF LATERAL DRAINAGE SHALL NOT LAG MORE THAN 72 HOURS BEHIND THE START OF EXCAVATION.
12. WHERE NEW PAVEMENT MEETS EXISTING CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.
13. WHERE CONNECTIONS TO EXISTING SIDEWALKS AND DRIVEWAYS ARE NOT INDICATED ON DRAWINGS, THE CONTRACTOR SHALL BE MADE AS DIRECTED BY THE ENGINEER OF RECORD. DROP CURBS AND DRIVEWAY CONNECTIONS SHALL BE PROVIDED FOR ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT. PAYMENT SHALL BE INCLUDED IN THE COST OF RELATED BID ITEMS.
14. CONTRACTOR TO INSTALL PREFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING IMPROVEMENTS.
15. PROPOSED ASPHALT PAVEMENT SHALL MEET APPLICABLE CITY OF MIAMI SPECIFICATIONS AND 2010 EDITION OF THE FOOT SPECIFICATIONS.
16. ALL CONCRETE SHALL DEVELOP A MINIMUM OF 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE NOTED.
17. ALL PIPES ENTERING PROPOSED STRUCTURES SHALL BE FLUSH WITH THE INSIDE FACE OF THE WALL AND FINISHED IN A NEAT AND WORKMANLIKE MANNER.
18. THE CONTRACTOR SHALL ASSIST THE CITY WITH THE HANDLING OF PUBLIC INFORMATION MATERIALS, INCLUDING CITIZEN NOTIFICATION LETTERS AND PROJECT CONSTRUCTION SIGNS, PRIOR TO THE START OF EACH SIGNIFICANT PHASE OF CONSTRUCTION. COST OF THIS WORK SHALL BE INCLUDED IN THE MAINTENANCE OF ROW TO BID ITEM.
19. FOR TYPICAL TRENCH BACKFILL FOR PROPOSED PIPES REFER TO CITY OF MIAMI STANDARD DETAIL MISC. 35-35-31.
20. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING DOCK AND SEA WALL. ANY DAMAGE TO PRIVATE PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.
21. MIAMI-DADE COUNTY REQUIRES A CLASS I PERMIT.

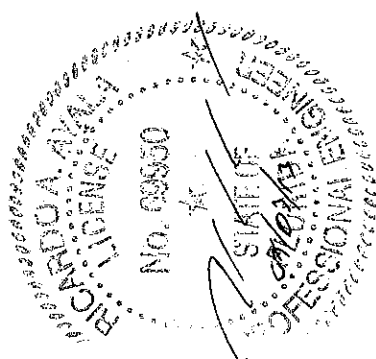
**US ARMY  
CORPS OF ENGINEERS**

AUG 08 2013

MIAMI REGULATORY OFFICE

COE #: 1999-02683

PROJECT MANAGER: A. Gonzalez



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

Ricardo A. Aguila, P.E.  
 7300 N. WINDSOR BLVD.  
 MIAMI, FLORIDA 33158  
 Phone: (305) 570-2350  
 Fax: (305) 670-6230  
 Certificate # 098550, No. 7194

CITY OF MIAMI	
CAPITAL IMPROVEMENTS PROGRAM	PROJECT ID
MIAMI WOMAN'S CLUB	B-50731
SEAWALL & BAYWALK	

**GENERAL NOTES**





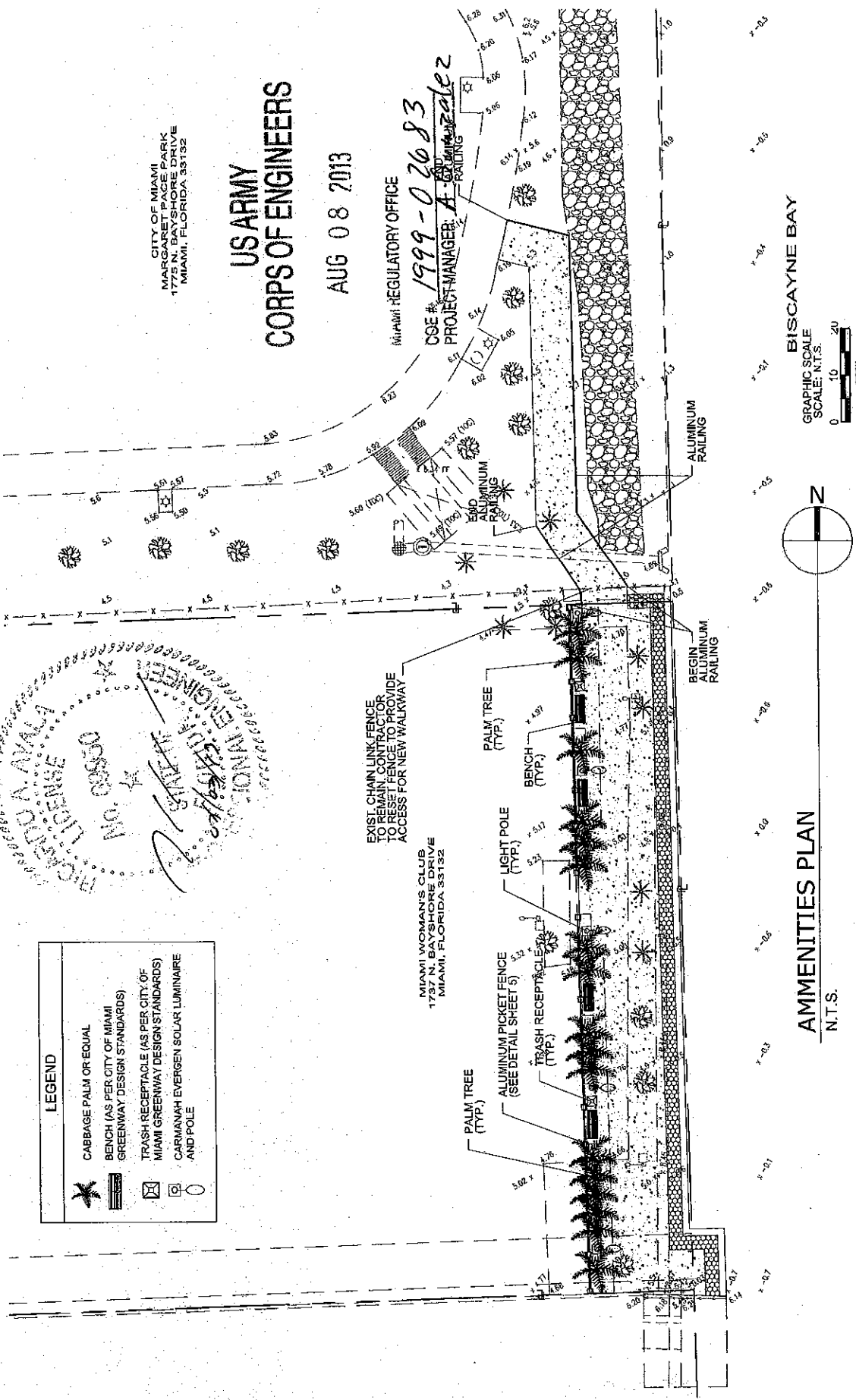
LEGEND	
	CABBAGE PALM OR EQUAL
	BENCH (AS PER CITY OF MIAMI GREENWAY DESIGN STANDARDS)
	TRASH RECEPTACLE (AS PER CITY OF MIAMI GREENWAY DESIGN STANDARDS)
	CARMANAH EVERGEN SOLAR LUMINAIRE AND POLE

**US ARMY  
CORPS OF ENGINEERS**

AUG 08 2013

Miami REGULATORY OFFICE  
CSE # 1999-02683  
PROJECT MANAGER: A. ~~...~~ ~~...~~

CITY OF MIAMI  
MARGARET PAGE PARK  
MIAMI, FLORIDA 33132



**AMMENITIES PLAN**  
N.T.S.

DATE	BY	DESCRIPTION	REVISION'S	DATE	BY	DESCRIPTION

Ricardo A. Ayala, P.E. License No. 008830 7300 N. BAYSHORE DRIVE MIAMI, FLORIDA 33158 Phone: (305) 670-2350 Fax: (305) 670-2351 Certificate of Authorization No. 7184		CITY OF MIAMI <b>CAPITAL IMPROVEMENTS PROGRAM</b> PROJECT NAME <b>MIAMI WOMAN'S CLUB SEAWALL &amp; BAYWALK</b> PROJECT ID <b>B-30731</b>
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<b>AMMENITIES PLAN</b>	SHEET NO. 5
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**US ARMY  
CORPS OF ENGINEERS**

AUG 08 2013

MIAMI REGULATORY OFFICE

GOE # / 1999-02683  
PROJECT MANAGER: *A. Gonzalez*

MIAMI WOMAN'S CLUB  
1737 N. BAYSHORE DRIVE

Exist. Asphalt Pavement

MARGARET PLAGE PARK  
1717 N. BAYSHORE DRIVE

1  
S-3

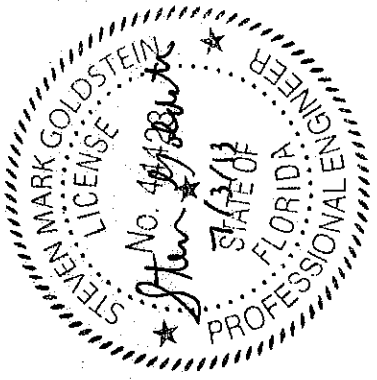
2  
S-4

3  
S-5

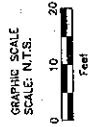
DOUBLETREE  
GRAND HOTEL  
BAYSHORE DR.

Existing  
Concrete  
Walkway

Existing Concrete Walkway



BISCAZYNE BAY



KEY PLAN  
N.T.S.

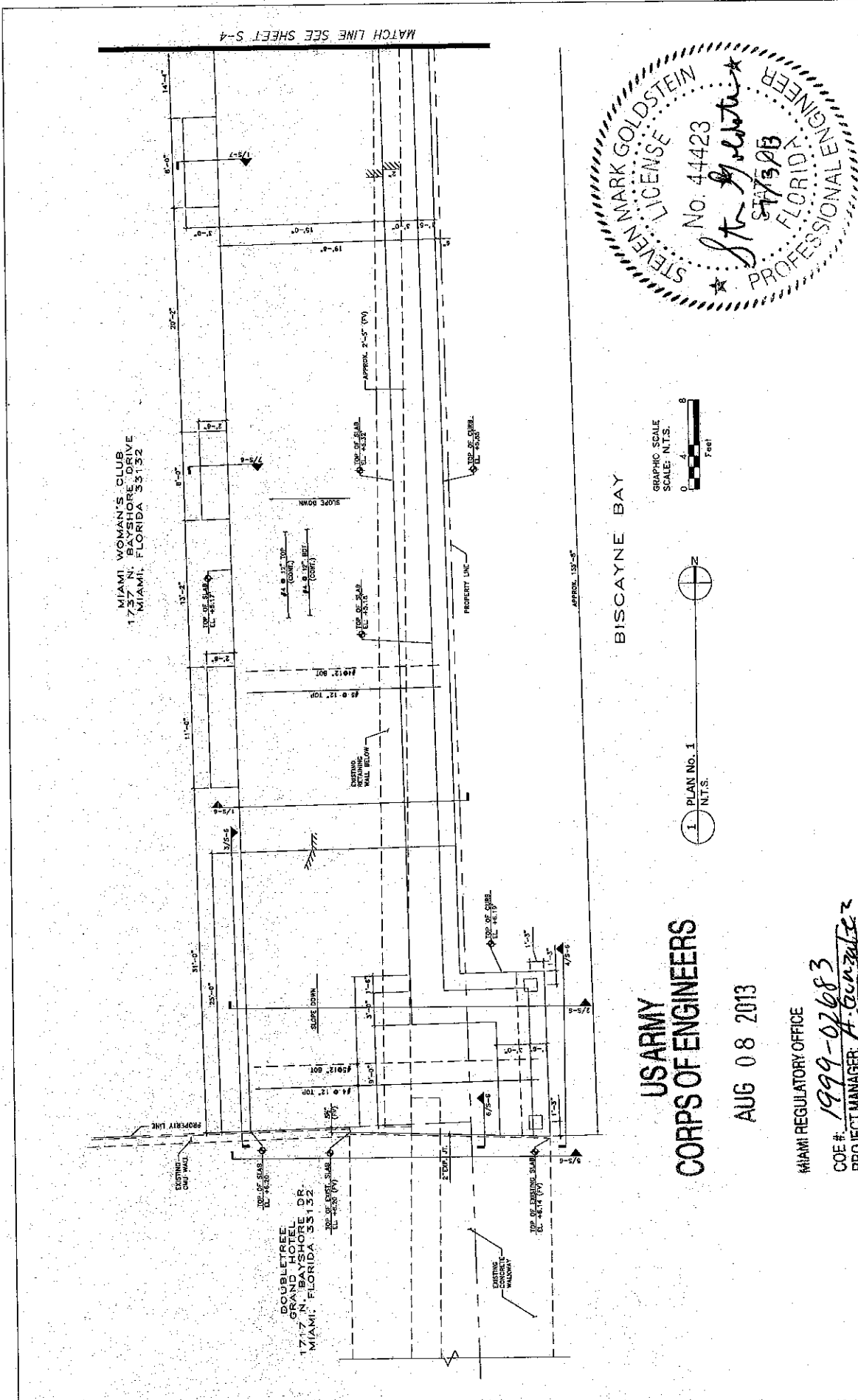
SHEET  
NO.  
S-2

KEY PLAN

CITY OF MIAMI  
CAPITAL IMPROVEMENTS PROGRAM  
PROJECT NAME / PROJECT ID  
MIAMI WOMAN'S CLUB / B-30731  
SEAWALL & BAYWALK

Steven Goldstein  
P.E. License No. 44423  
7300 N. Kendall Drive, Suite 400  
Miami, Florida 33156  
Phone: (305) 670-2331  
Fax: (305) 670-2331  
Certificate of Authorization No. 7184  
engineering

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



BISCAYNE BAY

GRAPHIC SCALE  
SCALE: N.T.S.  
0 4 8  
Feet



PLAN No. 1  
N.T.S.

US ARMY  
CORPS OF ENGINEERS


AUG 08 2013

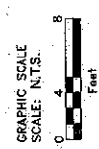
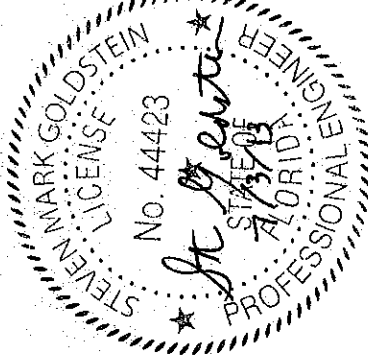
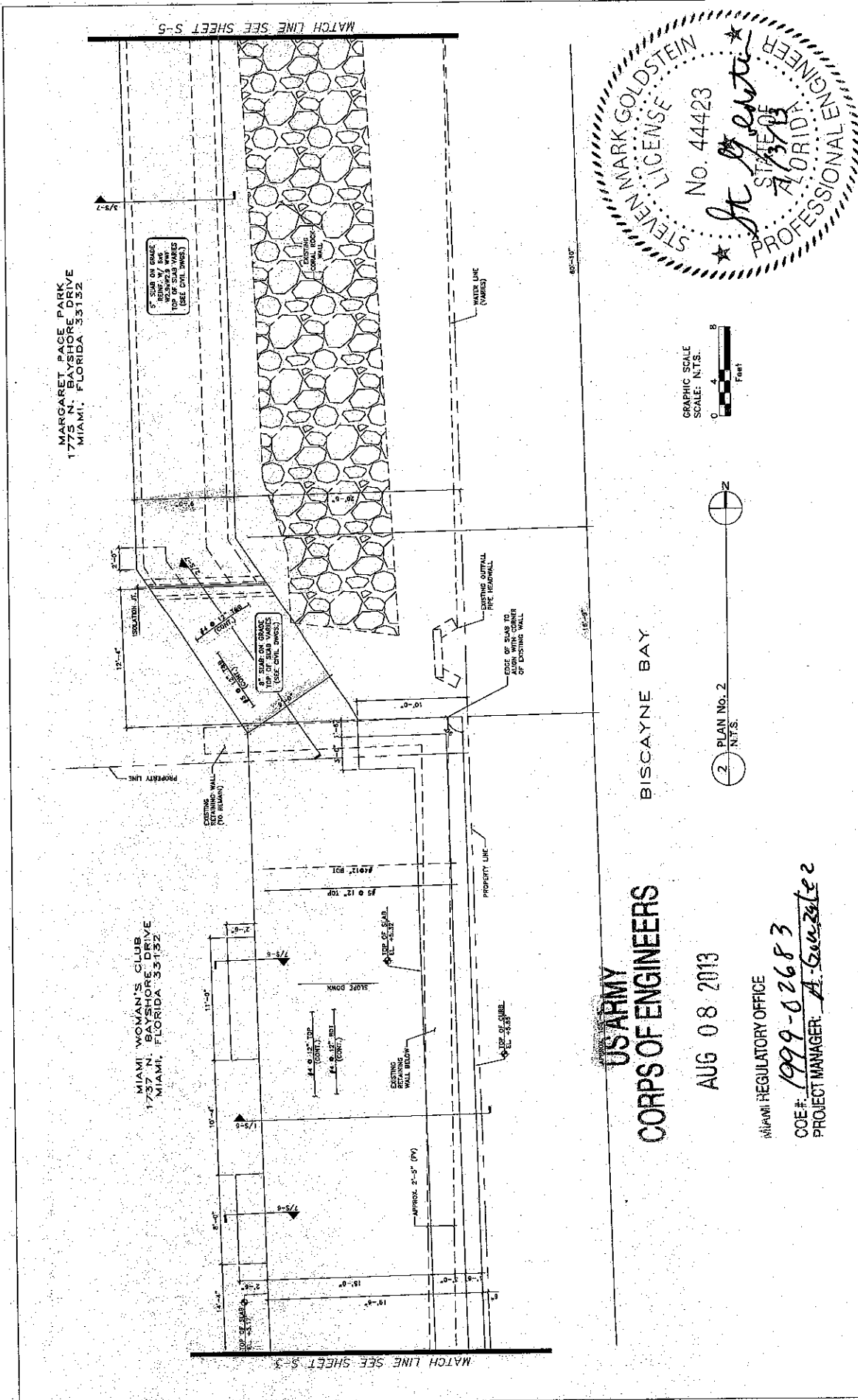
MIAMI REGULATORY OFFICE

COE # 1999-07683  
PROJECT MANAGER: *H. Gonzalez*

DATE	BY	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Steven Goldstein P.E. License No. 44423 7900 N. Kendall Drive, Suite 400 Miami, Florida 33158 Phone: (305) 570-2230 Fax: (305) 570-2231 Certificate of Authorization No. 7184 		CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM PROJECT NAME: MIAMI WOMAN'S CLUB SEAWALL & BAYWALK PROJECT ID: B-30731	SHEET NO. S-3
PLAN No. 1		CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM PROJECT NAME: MIAMI WOMAN'S CLUB SEAWALL & BAYWALK PROJECT ID: B-30731	SHEET NO. S-3



2 PLAN No. 2  
N.T.S.


US ARMY  
CORPS OF ENGINEERS

AUG 08 2013

MIAMI REGULATORY OFFICE  
COE #: 1999-02683  
PROJECT MANAGER: A. Gonzalez

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

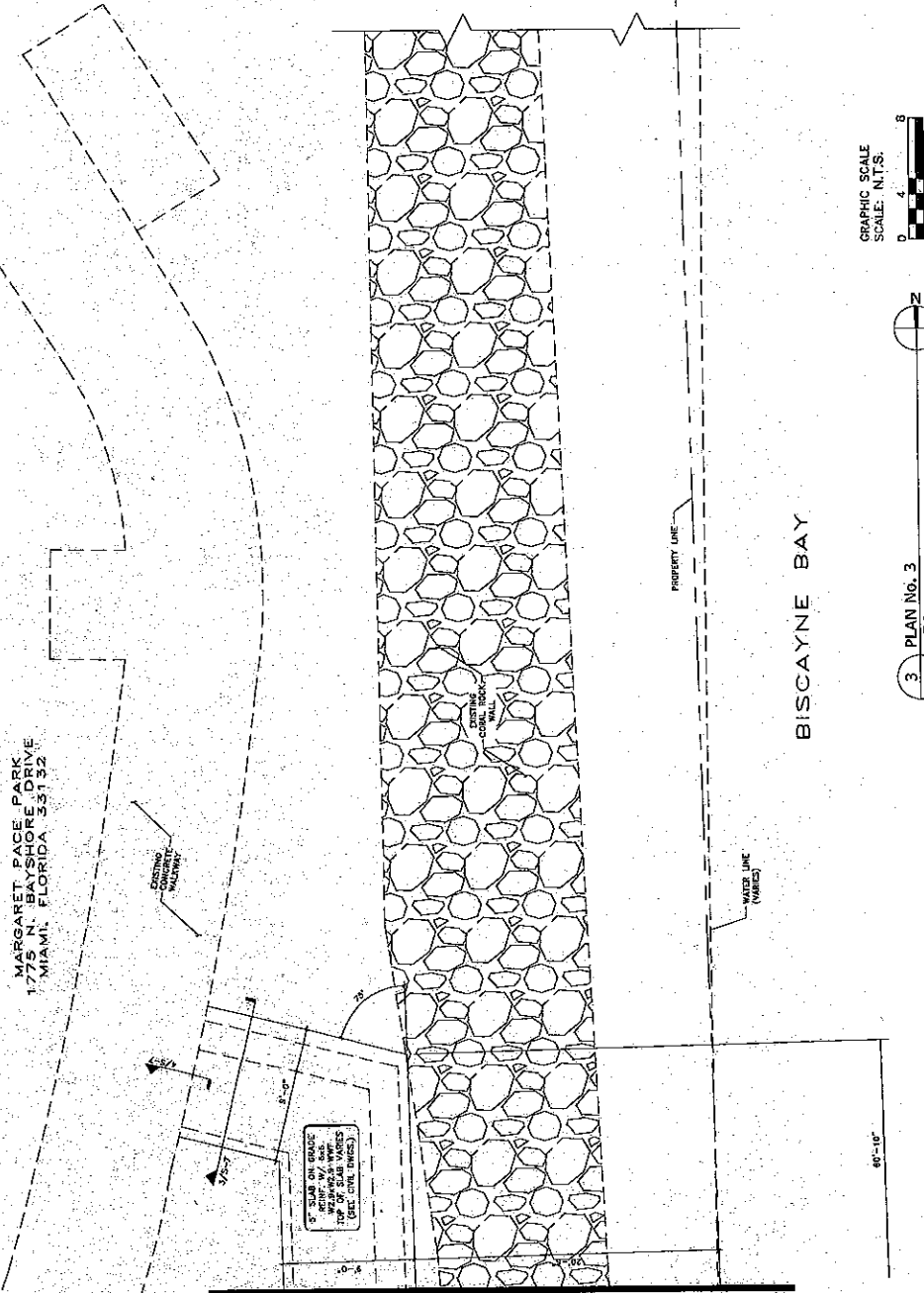
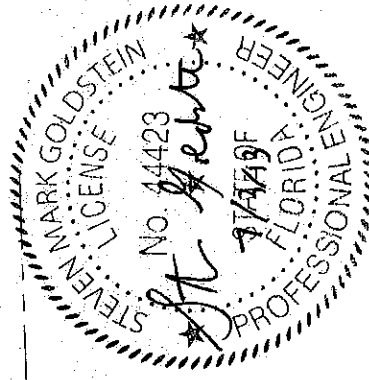
Steven Goldwin P.E. License No. 44203 7320 N. Kendall Drive, Suite 400 Miami, Florida 33156 Phone: (305) 672-2351 Fax: (305) 672-2351 Certificate of Authorization No. 7184  engineering	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM PROJECT NAME: MIAMI WOMAN'S CLUB PROJECT ID: B-30731 SEMI-WALL & BAYWALK	SHEET NO. S-4 PLAN No. 2
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**US ARMY  
CORPS OF ENGINEERS**

AUG 08 2013

MIAMI REGULATORY OFFICE

COE #: 1999-02683  
PROJECT MANAGER: A. Sanchez



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM PROJECT NAME: MIAMI WOMAN'S CLUB SEAWALL & BAYWALK PROJECT ID: B-307.31		PLAN No. 3	SHEET NO. S-5
Steven Goldstein P.E. License No. 44423 7200 N. Kendall Drive, Suite 400 Miami, Florida 33156 Phone: (305) 670-2351 Fax: (305) 670-2351 Certificate of Authorization No. 7164		engineering	



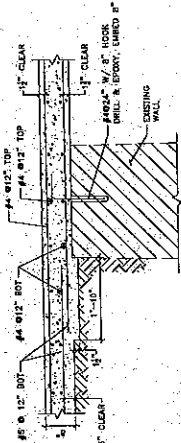
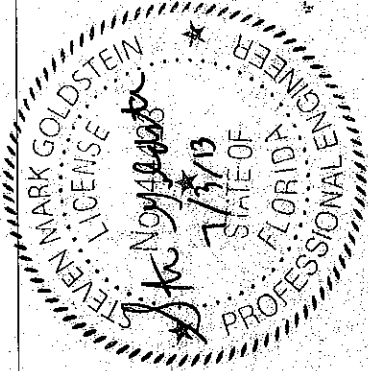


US ARMY  
CORPS OF ENGINEERS

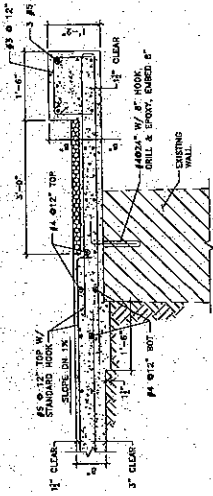
AUG 08 2013

MIAMI REGULATORY OFFICE

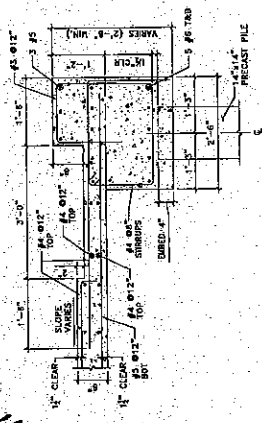
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PROJECT MANAGER: A. GUNZLER



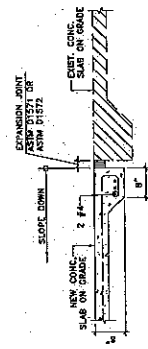
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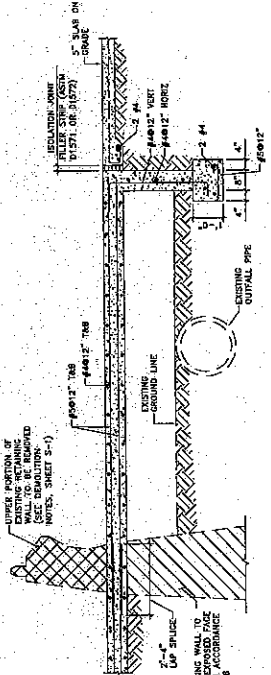
5 SLAB EDGE DETAIL  
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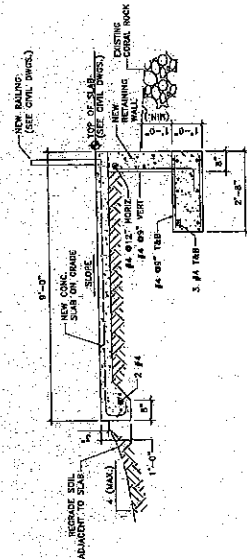
7 BEAM DETAIL  
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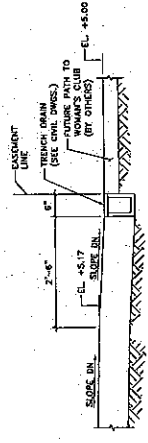
4 SECTION AT EXISTING WALKWAY  
N.T.S.



2 SECTION AT EXPANSION JOINT AT MARGARET FACE PARK  
N.T.S.



3 SECTION THROUGH WALKWAY ON GRADE  
N.T.S.



1 SECTION AT PATH TO WOMAN'S CLUB  
N.T.S.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Steven Goldstein  
P.E. License No. 44423  
7900 N. Kendall Drive, Suite 400  
Miami, Florida 33156  
Tel: 305-555-1111  
Fax: 305-555-2233  
Certificate of Authorization No. 7184  
engineering

CITY OF MIAMI  
CAPITAL IMPROVEMENTS PROGRAM  
PROJECT NAME  
MIAMI WOMAN'S CLUB  
SEAWALK & BAYWALK  
PROJECT ID  
B-30731

SECTIONS AND DETAILS

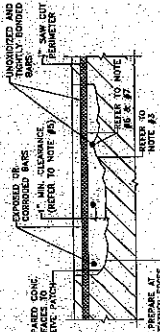
**US ARMY  
CORPS OF ENGINEERS**

AUG 08 2013

REGULATORY OFFICE

COE #: 1999-02683

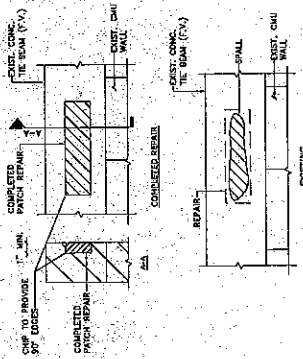
PROJECT MANAGER: A. Gonzalez



CRACK OR OTHERWISE PREPARE AT RIGHT ANGLES. NO FEATHER EDGES. REPAIR SHALL BE REINFORCED WITH BARS SPACING OR RECTANGULAR.

**SECTION THROUGH CONCRETE REPAIR**

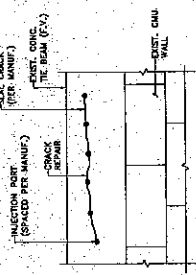
1. PRIOR TO COMMENCING THE REPAIRS, CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY ENGINEER OF RECORD OF ANY DEFICIENCIES.
2. PRIOR TO COMMENCING DEMOLITION, CONTRACTOR SHALL INSTALL SHORING AS SHOWN ON PLAN.
3. REMOVE DETRIMENTAL, LOOSE, LOOSE DELAMINATED CONCRETE, MOIST EXPOSED REINFORCING STEEL, REBAR WITH 3\"/>



**CONCRETE DEMOLITION/REPAIR NOTES (WITH/OUT REINFORCEMENT)**

1. PRIOR TO COMMENCING THE REPAIRS, CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY ENGINEER OF RECORD OF ANY DEFICIENCIES.
2. CONCRETE SHALL BE REMOVED TO SOUND, NON-POROUS SUBSTRATE.
3. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR SURFACE PREPARATION AND INSTALLATION.
4. PATCH WITH SKATOP 123 PLUS (OR EQUIVALENT).

1 CONCRETE REPAIR DETAILS  
N.T.S.



**CRACK REPAIR NOTES**

1. PRIOR TO COMMENCING THE REPAIRS, CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY ENGINEER OF RECORD OF ANY DEFICIENCIES.
2. PATCH ALL CRACKS WITH Sika Crack Fix (OR EQUIV.) AND SHORING SHALL BE MAINTAINED THROUGHOUT THE REPAIR PROCESS.
3. REPAIR SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



REVISIONS		DESCRIPTION		DATE		BY	

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM		PROJECT ID B-30731
PROJECT NAME MIAMI WOMAN'S CLUB SEAWALL & BAYWALK		CITY OF MIAMI ENGINEERING Certificate of Authorization No. 7184

STEVEN GOLDSTEIN P.E. License No. 44423 7300 N. Kendall Drive, Suite 400 Miami, Florida 33156 Phone: (305) 670-2330 Fax: (305) 670-2335	SHEET NO. S-8
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