

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
JOINT PARTICIPATION AGREEMENT  
CONTRACT NUMBER \_\_\_\_\_**

**THIS AGREEMENT**, entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by and between the State of Florida Department of Transportation, a component agency of the State of Florida, hereinafter called the DEPARTMENT, and the **City of Fort Lauderdale**, a municipal corporation of the State of Florida, located at **100 North Andrews Avenue, Fort Lauderdale, Florida 33301**, hereinafter called the PARTICIPANT.

**WITNESSETH**

**WHEREAS**, the DEPARTMENT and the PARTICIPANT are desirous of having the PARTICIPANT make certain improvements in connection with **Financial Management (FM) Number 431108-1-58-01** for landscape, hardscape and/or irrigation improvements in the **City of Fort Lauderdale, Florida, State Road A1A (S.E. 17th Street Causeway) from State Road 5 (US 1) (M.P. 0.000) to Mayan Drive (M.P. 1.632)**, herein after referred to as the "Project". Refer to Exhibit "A" for a detailed Scope of Services and Exhibit "C" for a set of Project Plans attached hereto and made a part hereof; and,

**WHEREAS**, the improvements are in the interest of both the PARTICIPANT and the DEPARTMENT and it would be more practical, expeditious, and economical for the PARTICIPANT to perform such activities; and,

**WHEREAS**, the PARTICIPANT by Resolution No. \_\_\_\_\_ adopted on \_\_\_\_\_, 20\_\_\_\_, a copy of which is attached hereto and made a part hereof, authorizes the proper officials to enter into this Agreement.

**NOW, THEREFORE**, in consideration of the mutual benefits to be derived from joint participation on the Project, the parties agree to the following:

- 1) The recitals set forth above are true and correct and are deemed incorporated herein.
- 2) The PARTICIPANT shall be responsible for assuring that the Project complies with all applicable Federal, State and Local laws, rules, regulations, guidelines and standards, and will not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the performance of work under the Agreement.
- 3) The DEPARTMENT agrees to make all previous studies, maps, drawings, surveys and other data and information pertaining to the Project available to the PARTICIPANT at no extra cost.
- 4) The PARTICIPANT shall have the sole responsibility for resolving claims and requests for additional work for the Project at no additional cost to the Department. The PARTICIPANT will make best efforts to obtain the DEPARTMENT'S input in its decisions.

- 5) The total cost of the Project is estimated at **One Hundred Eighty Thousand Dollars and No Cents (\$180,000.00)**. The DEPARTMENT agrees to pay **(One Hundred Percent) (100%)** of the total actual cost of the Project, up to a maximum amount of **One Hundred Eighty Thousand Dollars and No Cents (\$180,000.00)** for actual costs incurred. The PARTICIPANT shall submit progress billings to the DEPARTMENT on a quarterly basis. The balance of the Project cost shall be the sole responsibility of and paid by the PARTICIPANT. The PARTICIPANT acknowledges and agrees that the DEPARTMENT'S obligation to make payment under the AGREEMENT is contingent upon an annual appropriation by the Florida legislature.
- 6) The PARTICIPANT will comply with the Federal and/or State Audit provisions set forth in Exhibit "D" and Exhibit "E" which are attached hereto and made part of this Agreement.
- 7) The PARTICIPANT must obtain a permit from the DEPARTMENT before the PARTICIPANT may proceed with construction of the Project.
- 8) The PARTICIPANT:
  - a) shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the PARTICIPANT during the term of the contract; and
  - b) shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
- 9) The PARTICIPANT must certify that the installation of the project is completed by a Contractor prequalified by the DEPARTMENT as required by Section 2 of the Standard Specifications for Road and Bridge Construction (2013), as amended unless otherwise approved by the DEPARTMENT in writing.

Construction Engineering Inspection (CEI) services will be provided at the Participant's sole cost by hiring a DEPARTMENT prequalified consultant firm including one individual that has completed the Advanced Maintenance of Traffic Level Training, unless otherwise approved by the DEPARTMENT in writing. The CEI staff shall be present on the Project at all times that the contractor is working. Administration of the CEI staff shall be under the responsible charge of a State of Florida licensed Professional Engineer. The DEPARTMENT shall approve all CEI personnel.
- 10) This Agreement and any interest herein shall not be assigned, transferred or otherwise encumbered by the PARTICIPANT under any circumstances without the prior written consent of the DEPARTMENT. However, this Agreement shall run to the DEPARTMENT and its successors.
- 11) Except as otherwise set forth herein, this Agreement shall continue in effect and be binding to both the PARTICIPANT and the DEPARTMENT until the Project is accepted in writing by the DEPARTMENT'S Project Manager as complete, or **December 31, 2014**, whichever occurs first. The DEPARTMENT and PARTICIPANT may agree to extend this Agreement in writing. The PARTICIPANT shall delegate signature authority to the City Manager.

- 12) The PARTICIPANT shall provide the following quantifiable, measurable, and verifiable units of deliverables. Each deliverable must specify the required minimum level of service to be performed and the criteria for evaluating successful completion. The deliverables for the Project are shown in Exhibit B, Deliverables, attached hereto and a made apart hereof. The PARTICIPANT will need DEPARTMENT approval if deviating from these deliverables as shown in Exhibit B.

The PARTICIPANT will be reimbursed only for actual expenses incurred during the Agreement time period that are directly related to the installation of landscape improvements as set forth in this Agreement. The PARTICIPANT will submit a written progress report by the 15<sup>th</sup> day of the month following the installation attesting to the actual number of large and/or small plants installed, along with all irrigation parts received and installation at the Project site. Upon completion, the PARTICIPANT will notify the DEPARTMENT'S Landscape Architect of the landscape improvements contemplated in this Agreement. Deliverables must be received and accepted in writing by the DEPARTMENT'S Project Manager prior to payments.

- 13) The PARTICIPANT shall agree to maintain all landscape improvements at its sole cost and expense and in accordance with the terms of the Amendment Number Five (5) City of Fort Lauderdale Landscape Inclusive Maintenance Memorandum of Agreement attached hereto and made a part hereof as Exhibit F.
- 14) Upon completion and certification of Project, the PARTICIPANT must submit the final invoice to the DEPARTMENT within 180 days after the final acceptance of the Project which follows the 365 day warranty period. Invoices submitted after the 180 day time period will not be paid.
- 15) Payment shall be made only after receipt and approval of goods and services unless advance payments are authorized by the Department of Financial Services under **Section 215.422(14), Florida Statutes**, or by the DEPARTMENT'S Comptroller under **Section 334.004(29), Florida Statutes**.
- 16) Invoices shall be submitted by the PARTICIPANT in detail sufficient for a proper pre-audit and post-audit thereof, based on the quantifiable, measurable and verifiable units of deliverables as established in 12) above and Exhibit B.
- 17) Supporting documentation must establish that the deliverables were received and accepted in writing by the PARTICIPANT and that the required minimum level of service to be performed based on the criteria for evaluating successful completion as specified in 12) has been met.
- 18) PARTICIPANT providing goods and services to the DEPARTMENT should be aware of the following time frames. The DEPARTMENT has (10) ten working days to inspect and approve the goods and services where working day is defined as any day of the week excluding Saturday, Sunday and any legal holiday as designated in **Section 110.117, Florida Statutes**. The DEPARTMENT has (20) twenty working days to deliver a request for payment (voucher) to the Department of Financial Services. The (20) twenty working days are measured from the latter of the date the invoice is received or the goods or services are received, inspected and approved.

- 19) If a payment is not available within (40) forty days, a separate interest penalty at a rate as established pursuant to **Section 55.03(1), Florida Statutes**, will be due and payable, in addition to the invoice amount, to the PARTICIPANT. Interest penalties of less than one (1) dollar will not be enforced unless the PARTICIPANT requests payment. Invoices that have to be returned to a PARTICIPANT because of PARTICIPANT preparation errors will result in a delay in the payment. The invoice payment requirements do not start until a properly completed invoice is provided to the DEPARTMENT.
- 20) A Vendor Ombudsman has been established within the Department of Financial Services. The duties of this individual include acting as an advocate for Participants who may be experiencing problems in obtaining timely payment(s) from a state agency. The Vendor Ombudsman may be contacted at (850) 413-5516 or by calling the Division of Consumer Services at 1-877-693-5236.
- 21) Records of costs incurred under the terms of this Agreement shall be maintained and made available upon request to the DEPARTMENT at all times during the period of this Agreement and for five years after final payment is made. Copies of these documents and records shall be furnished to the DEPARTMENT upon request. Records of costs incurred include the PARTICIPANT'S general accounting records and the Project records, together with supporting documents and records, of the contractor and all subcontractors performing work on the Project, and all other records of the Contractor and subcontractors considered necessary by the Department for a proper audit of costs.
- 22) In the event this contract is for services in excess of TWENTY-FIVE THOUSAND DOLLARS (\$25,000.00) and a term for a period of more than one year, the provisions of **Section 339.135(6)(a), Florida Statutes**, are hereby incorporated:

"The DEPARTMENT, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The Department shall require a statement from the Comptroller of the Department that such funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the Department which are for an amount in excess of TWENTY FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year."
- 23) The PARTICIPANT warrants that it has not employed or obtained any company or person, other than bona fide employees of the PARTICIPANT, to solicit or secure this Agreement, and it has not paid or agreed to pay any company, corporation, individual or firm, other than a bona fide employee employed by the PARTICIPANT. For breach or violation of this provision, the DEPARTMENT shall have the right to terminate the Agreement without liability.

- 24) With respect to any of the PARTICIPANT'S agents, consultants, sub consultants, contractors and / or sub contractors, such party in any contract for this Project shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities and suits of any nature arising out of, because of, or due to any intentional and / or negligent act or occurrence, omission or commission of such agents, consultants, sub consultants, contractors and / or sub contractors. The PARTICIPANT shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that this indemnification does not cover or indemnify the DEPARTMENT for its own negligence.
- 25) This Agreement is governed by and construed in accordance with the laws of the State of Florida. In the event it becomes necessary for the DEPARTMENT or PARTICIPANT to institute suit for the enforcement of the provisions of this AGREEMENT, each party shall be responsible to pay their own attorney fees and court costs. Venue with respect to such litigation shall be in Broward County, Florida.
- 26) This document incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained herein, and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document except the **Amendment Number Five (5) City of Fort Lauderdale Landscape Inclusive Maintenance Memorandum of Agreement** between the DEPARTMENT and the PARTICIPANT which is included as Exhibit F. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representation or agreements whether oral or written. It is further agreed that no modification, amendment, or alteration in the terms and conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.
- 27) Any or all notices (except invoices) given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledged or sent by certified mail, return receipt requested. All notices delivered shall be sent to the following addresses:

If to the DEPARTMENT:

State of Florida Department of Transportation  
3400 West Commercial Blvd.  
Ft. Lauderdale, FL 33309-3421  
Attention: Elisabeth A. Hassett, R.L.A.  
FDOT District IV Landscape Architect  
A second copy to: Office of the General Counsel

If to the PARTICIPANT:

City of Fort Lauderdale  
100 North Andrews Avenue,  
Fort Lauderdale, Florida 33301  
Eric Czerniejewski  
With a Copy to: City Attorney

24. LIST OF EXHIBITS

- Exhibit A: Scope of Services
- Exhibit B: Deliverables
- Exhibit C: Project Plans
- Exhibit D: Federal and /or State Funded Contracts
- Exhibit E: Authorization
- Exhibit F: Amendment Number Five (5) City of Fort Lauderdale Landscape Inclusive Maintenance Memorandum of Agreement

**IN WITNESS WHEREOF**, this Agreement is to be executed below for the purposes specified herein. Authorization has been given to enter into and execute this Agreement by Resolution No. \_\_\_\_\_, hereto attached.

WITNESSES:

CITY OF FORT LAUDERDALE

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
JOHN P. 'JACK' SEILER, Mayor

By: \_\_\_\_\_

LEE R. FELDMAN, City Manager

(SEAL)

ATTEST:

\_\_\_\_\_  
JONDA K. JOSEPH, City Clerk

Approved as to Form:

\_\_\_\_\_  
Assistant City Attorney

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
By: \_\_\_\_\_  
Director of Transportation Development

\_\_\_\_\_ Date

Attest: \_\_\_\_\_ (SEAL)  
Executive Secretary

Approved as to Form

\_\_\_\_\_  
Office of the General Counsel

\_\_\_\_\_ Date

## EXHIBIT A SCOPE OF SERVICES

The PARTICIPANT (**City of Fort Lauderdale**) agrees to make certain landscape improvements on **State Road A1A (S.E. 17th Street Causeway) from State Road 5 (US 1) (M.P. 0.000) to Mayan Drive (M.P. 1.632), Fort Lauderdale, Florida**, and will subsequently furnish, construct, and inspect the landscape, hardscape, and/or irrigation as shown in the plans and specifications prepared by **Michael Conner, RLA, of Calvin, Giordano & Associates, Inc.** The following conditions shall apply:

- (a) The current Florida Department of Transportation Design Standard Index 546 must be adhered to.
- (b) Clear zone/horizontal clearance as specified in the Plans Preparation Manual – English Volume 1, Chapter 2 and Department Design Standard Index 700 must be adhered to.
- (c) Landscape materials shall not obstruct roadside signs or the view zone for permitted outdoor advertising signs per Florida Statutes 479.106.
- (d) Landscape, hardscape, and/or irrigation materials shall be of a size, type and placement so as not to impede large machine mowing that the DEPARTMENT currently provides and will continue to provide at the same frequency.
- (e) Should the PARTICIPANT elect to design, furnish and construct irrigation, all costs associated with water source connection(s), continued maintenance of the distribution system and water, and electricity costs shall be born solely by the PARTICIPANT. All permits (including tree permits), fees, and any mitigation associated with the removal, relocation or adjustments of these improvements are the PARTICIPANT'S responsibility.
- (f) During the installation of the Project and future maintenance operations, maintenance of traffic shall be in accordance with the current edition of the MUTCD and the current Department Design Standards (series 600).
- (g) The PARTICIPANT shall secure a permit from the DEPARTMENT prior to the commencement of any work. The Engineer of Record (EOR) shall meet with Permit Staff prior to permit application and provide the local maintenance office located at: FDOT Broward Operations, 5548 NW 9<sup>th</sup> Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300, a twenty-four (24) hour telephone number and the name of a responsible person that the DEPARTMENT may contact. The PARTICIPANT shall notify the local maintenance office 48 hours prior to the start of the Project and provide as-built plans at project completion.
- (h) If there is a need to restrict the normal flow of traffic it shall be done on Monday-Friday during off-peak hours (9 AM to 3 PM), and the party performing such work shall give 48 hour notice to the local law enforcement agency within whose jurisdiction such road is located prior to commencing work on the Project. The DEPARTMENT'S Public Information Office shall also be notified by phone at 954-777-4092 at least 48 hours in advance.
- (i) The PARTICIPANT shall be responsible to clear all utilities within the Project limits.

**EXHIBIT B**  
**DELIVERABLES**

**\*THE PARTICIPANT WILL NEED DEPARTMENT APPROVAL IF DEVIATING FROM THESE DELIVERIBLES AS SHOWN IN EXHIBIT B.**

Large Plants	Units	62
Small Plants	Units	490
Sod	Square Feet	8550
1 year-warranty and maintenance	Lump Sum	1
MOT/Mobilization/General Conditions	Lump Sum	1
Irrigation bubblers	Units	24



**EXHIBIT C**  
**PROJECT PLANS**

Please see attached plans prepared by:

**Michael Conner, RLA,**  
**Calvin, Giordano & Associates, Inc.**

Dated: **November 29, 2012**

**STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION**

**CONTRACT PLANS**

FINANCIAL PROJECT ID: 431108-1-58-01

(FEDERAL FUNDS)

BROWARD COUNTY (8618000)

STATE ROAD NO. A1A

**LANDSCAPE PLANS**

S.R. A1A (17<sup>th</sup> CAUSEWAY)  
FROM S.R. 5 (FEDERAL HIGHWAY - M.P. 0.00)  
TO MAYAN DR. (M.P. 1.632)

**INDEX OF LANDSCAPE PLANS**

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	TRAFFIC CONTROL PLAN
3	OVERALL KEY PLAN
3-4	PLANTING SCHEDULE & NOTES
5-16	LANDSCAPE PLANS
17	IRRIGATION NOTES & SCHEDULE
18-27	IRRIGATION PLANS
28-29	IRRIGATION DETAILS

**GOVERNING STANDARDS AND SPECIFICATIONS:**  
Florida Department of Transportation, 2013 Design Standards and revised Index Drawings as appended herein, and 2013 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

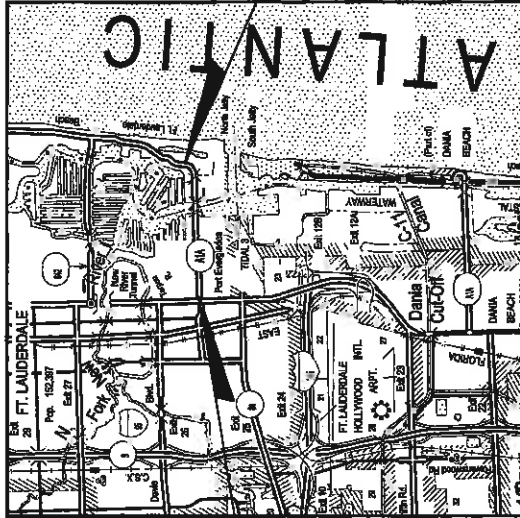
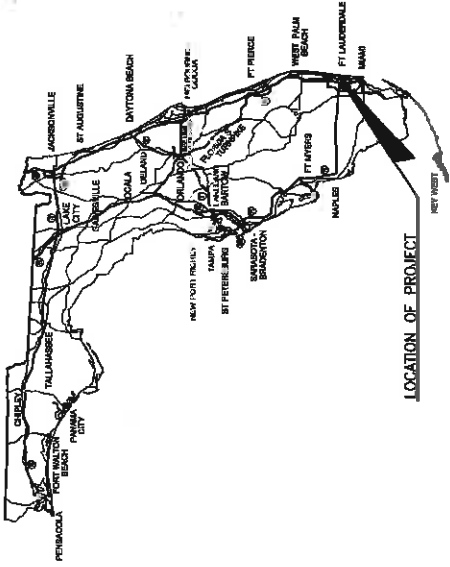
For Design Standards click on the "Design Standards" link at the following web site:  
<http://www.dot.state.fl.us/design/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:  
<http://www.dot.state.fl.us/specifications/office/>

S.R. A1A DESIGN SPEED: 35 MPH

MAINTAINING AGENCY: CITY OF FT. LAUDERDALE

Contact: Thomas White, ASLA-IBA  
Landscape Architect - Certified Arborist  
CITY OF FORT LAUDERDALE PARKS AND RECREATION  
1350 West Broward Boulevard  
Fort Lauderdale, Florida 33312  
954-878-6330  
thomasw@fortlauderdale.gov



PLANS PREPARED BY:  
Calvi, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1400 S.W. 15th Ave., Fort Lauderdale, Florida 33316  
Phone: 954-581-1100  
Fax: 954-581-1107  
Certificate of Authorization LCA0000008  
VENDOR ID NO. 85-001-008

BEGIN PROJECT  
S.R. A1A (17th St Causeway)  
M.P. 0.00

END PROJECT  
S.R. A1A (17th St Causeway)  
M.P. 1.632

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

KEY SHEET REVISIONS	
DATE	DESCRIPTION

LANDSCAPE PLANS  
ARCHITECT OF RECORD: MICHAEL FORMER, R.L.A.

R.L.A. NO.: LICENSE NO. 118

FISCAL YEAR	2013
SHEET NO.	1

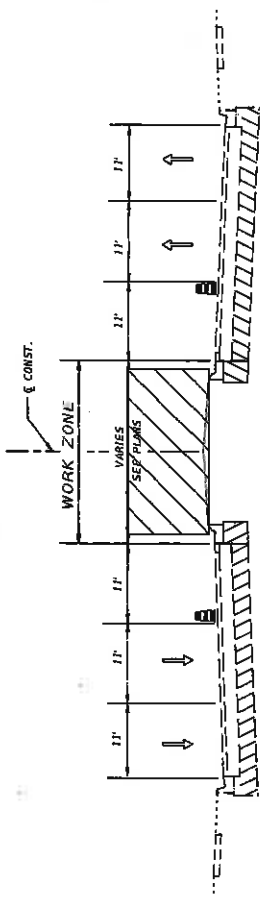
FDOT PROJECT MANAGER: ELISABETH HASSETT, RLA (FDOT DISTRICT IV LANDSCAPE ARCHITECT)

USBR: mmswdoza 11/29/2012 2:56:47 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CADD Files\Drawings\125311-L-COVER.dwg

NOV. 29, 2012

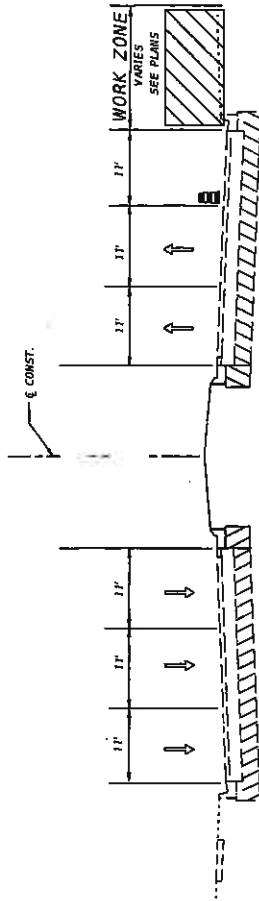
**TRAFFIC CONTROL PLAN - GENERAL NOTES**

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS DATED 2012/2013, INDEX 600 SERIES, MUTCD 2009 AND PROJECT PLANS.
2. THE REGULATORY SPEED LIMIT FOR SR. 9411TH ST. CAUSEWAY DURING CONSTRUCTION SHALL BE MAINTAINED AT THE EXISTING POSTED SPEED OF 35 MPH.
3. EXISTING SIGNS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE PROJECT ADMINISTRATOR.
4. THE CONTRACTOR SHALL PROVIDE A 24 HOUR EMERGENCY CONTACT NAME AND NUMBER.
5. TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIALS ARE AVAILABLE FOR THE CONSTRUCTION OF THAT PARTICULAR AREA. ALL LANES OF TRAFFIC SHALL BE OPEN DURING INACTIVE WORK PERIODS. ALL WORK ZONE SIGNS SHALL BE COVERED PER INDEX 600 OR REMOVED DURING INACTIVE WORK PERIODS.
6. FULL TIME FLORIDA CERTIFIED NOT SUPERVISOR SHALL BE ON SITE WHEN CONTRACTOR IS WORKING AND SHALL BE ON CALL FOR EMERGENCIES WHEN THE CONTRACTOR IS NOT WORKING. COPY OF HIS/HER CURRENT CERTIFICATION SHALL BECOME PART OF PROJECT FILE.
7. ALL LANES ON SR 9411TH ST. CAUSEWAY MUST BE OPEN FOR TRAFFIC DURING AN EVACUATION NOTICE FOR A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE ENGINEER.
8. WORK ZONE MAINLINE LANE CLOSURE TIME RESTRICTIONS:  
 NORMAL WORK HOURS WILL BE LIMITED TO MONDAY THROUGH FRIDAY FROM 9:00 AM TO 4:00 PM.  
 LANE CLOSURE WILL BE LIMITED TO EITHER THE LANE ADJACENT TO THE MEDIAN OR THE OUTSIDE BUT NOT BOTH AT ANY GIVEN TIME.  
 NO LANE CLOSURE ARE PERMITTED ON HOLIDAYS.
9. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSING CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME AS TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
10. THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT WITHIN THE CLEAR ZONE DURING CONSTRUCTION ACTIVITY PERIOD, THE CONTRACTOR SHALL LIMIT THE STORAGE OF MATERIAL AND EQUIPMENT TO THE WORK ZONE AREA.
11. CONTRACTOR TO COORDINATE WORK AREAS WITHIN THE PARKING LOTS UNDER THE BRIDGE WITH THE CITY OF FORT LAUDERDALE PARKING SERVICES.

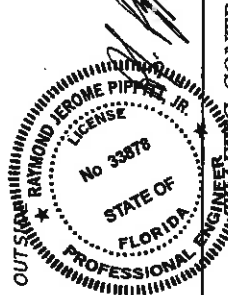


FOR WORK IN MEDIAN FOLLOW DESIGN STANDARD INDEXES 600, 613 AND 616.

**WORK IN MEDIAN**



FOR WORK IN MEDIAN FOLLOW DESIGN STANDARD INDEXES 600, 613, 616 AND 660.

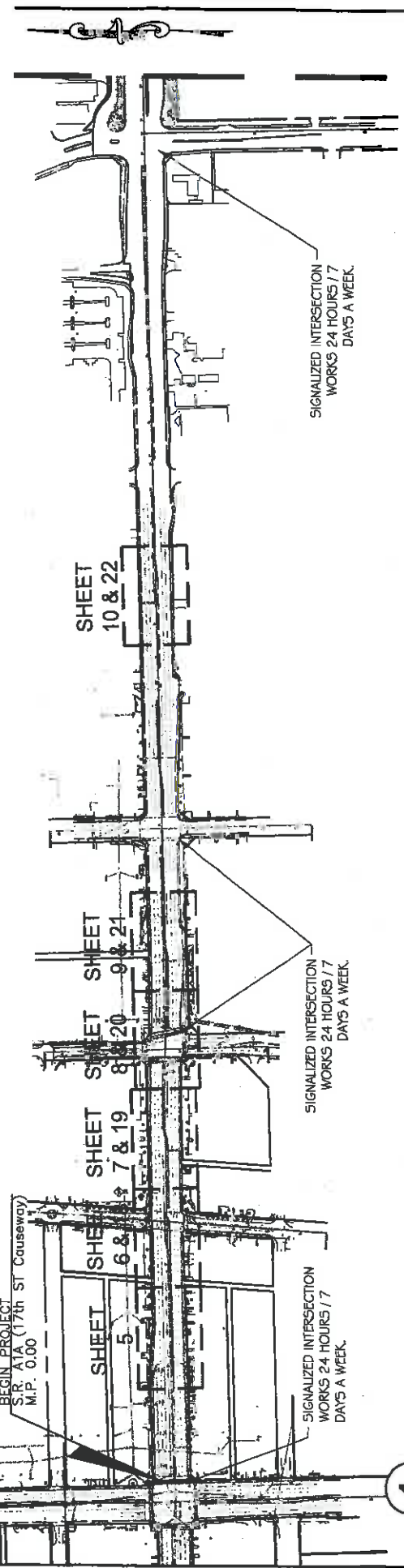


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Engineer of Record: Raymond J. Pippen, PE No. 33878 Calvin, Gombano & Associates, Inc. EXCEPTIO NAL SOLUTIONS 1400 NW One Six One Fort Lauderdale, Florida 33311 Phone: 954-521-7791 Fax: 954-521-8807 Website: www.cga-engineers.com Vendor ID No. 05-001-35823		S.R. 9411TH ST. CAUSEWAY BEAUTIFICATION GRANT	ROAD NO. AIA COUNTY BROWARD	FINANCIAL PROJECT ID 43108-1-58-01	SHEET NO. 1
PROJECT 11/28/2012 5:09:03 PM P:\Project\2012\123371-28-17-25-Causeway Beautification Grant\CAD\Traw\ASV\zawap\VCOR2012.dwg		PROFESSIONAL ENGINEER'S CONTROL PLAN		1	

BEGIN PROJECT  
S.R. A1A (17th St Causeway)  
M.P. 0.00

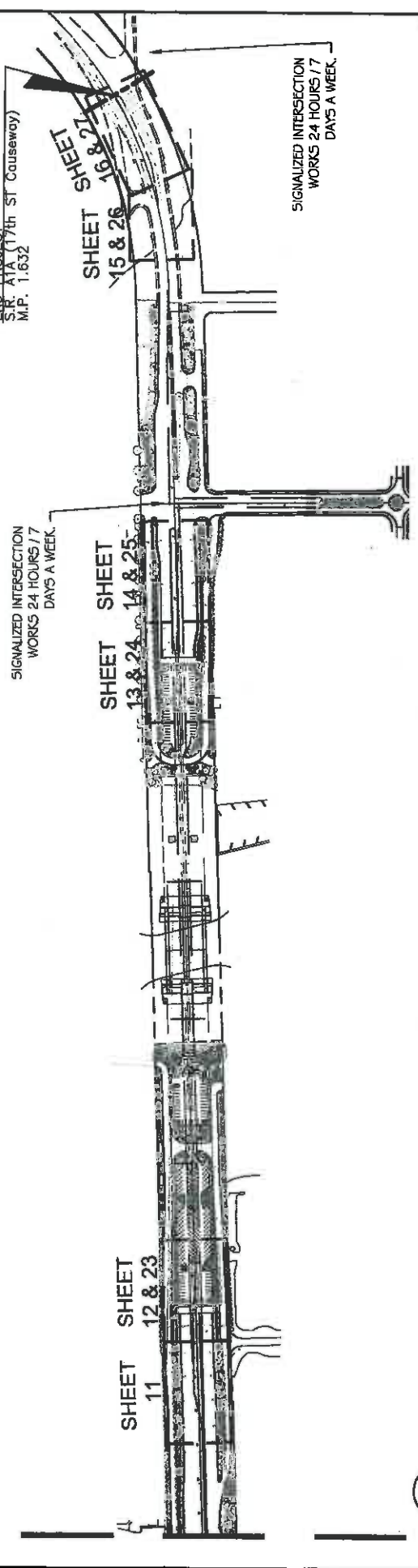


1

**EAST OF EISENHOWER TO US-1**

1:300

END PROJECT  
S.R. A1A (17th St Causeway)  
M.P. 1.632



2

**WEST OF EISENHOWER**

1:300

*Michael P. G...*  
11-29-12

DATE	REVISIONS	DESCRIPTION



S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	
ROAD NO.	COUNTY
A1A	BROWARD
FINANCIAL PROJECT ID	
431108-1-58-01	

**OVERALL KEY PLAN**

SHEET NO. 2

NOV. 29, 2012

TABULATION OF QUANTITIES / PLANT SCHEDULE

Table with 13 columns: PAY ITEM NO., PAY SIZE, SYM, BOTANICAL NAME, COMMON NAME, INSTALLED SIZE, MAXIMUM MAINTAINED SIZE, SPACING, NATIVE, DROUGHT TOLERANT, UNIT, SHEET NUMBERS (6-12), TOTAL FOR SHEETS 5 TO 8, GRAND TOTAL. Lists plants like Coconut Palm, Medjool Date Palm, Florida Royal Palm, etc.

Table with 13 columns: PAY ITEM NO., PAY SIZE, SYM, BOTANICAL NAME, COMMON NAME, INSTALLED SIZE, MAXIMUM MAINTAINED SIZE, SPACING, NATIVE, DROUGHT TOLERANT, UNIT, SHEET NUMBERS (9-12), TOTAL FOR SHEETS 9 TO 12, GRAND TOTAL. Lists plants like Coconut Palm, Medjool Date Palm, Florida Royal Palm, etc.

NOV 29 2012

Signature

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT  
ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-59-01  
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REVISIONS TABLE with columns: NO., DESCRIPTION, DATE

PLANTING SCHEDULE

SHEET NO. 3

**TABULATION OF QUANTITIES / PLANT SCHEDULE**

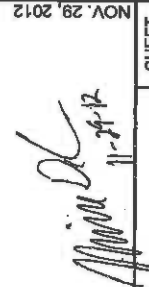
PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	NATIVE	DROUGHT TOLERANT	UNIT	SHEET NUMBERS						TOTAL FOR SHEETS 13 TO 16		GRAND TOTAL						
											13		14		15		16			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
											PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL							
N/A	N/A	CNG	<i>Cocos nucifera</i>	Coconut Palm	10'-15' C.T.	N/A	25' O.C.	EA.		EA.															
N/A	N/A	PDM	<i>Phoenix dactylifera</i>	Medjool Date Palm	22' C.T.	N/A	20' O.C.	Yes		EA.	3	10									13				
N/A	N/A	PDF	<i>Phoenix dactylifera</i>	Medjool Date Palm	20' C.T.	N/A	N/A	Yes		EA.											18				
N/A	N/A	ITE	<i>Physalis peruviana</i>	Speltaine Palm	14'-24' C.T.	N/A	12' O.C.			EA.											1				
N/A	N/A	REL	<i>Roystonia elata</i>	Florida Royal Palm	20' G.W.	N/A	25' O.C.	Yes		EA.	3										25				
N/A	N/A	BRO	<i>Asimina blanchetiana</i>	Orange Bromeliads	3 Gal., 15" Ht.	18" Ht.	24" O.C.			EA.											5				
N/A	N/A	GES	<i>Conocarpus erectus</i>	Silver Button Wood	3 Gal., 24" Ht.	36" Ht.	24" O.C.	Yes		EA.											40				
N/A	N/A	FMG	<i>Ficus microcarpa</i>	Green Island Ficus	3 Gal., 15" Ht.	18" Ht.	18" O.C.	Yes		EA.											30				
N/A	N/A	HYM	<i>Hymenocallis latifolia</i>	Spider Lily	3 Gal., 15" Ht.	30" Ht.	24" O.C.			EA.											40				
N/A	N/A	NEH	<i>Microsorium scolopendrium</i>	Wart Fern	3 Gal., 15" Ht.	30" Ht.	24" O.C.	Yes		EA.	30										280				
N/A	N/A	SAT	<i>Scitellaria arborescens</i>	Var. Arborescens	3 Gal., 24" Ht.	36" Ht.	24" O.C.	Yes		EA.											60				
N/A	N/A	RHI	<i>Rhaphirolepis indica</i>	Indian Hawthorn	3 Gal., 15" Ht.	18" Ht.	24" O.C.	Yes		EA.											30				
N/A	N/A	SSF	<i>St. Augustine floratum</i>	St. Augustine SOD	N/A	N/A	N/A	Yes		S.F.	676	20									20				
N/A	N/A		1 Year Warranty/Maintenance							S.F.	2,250	2,700	1,575								7,200	6,550			

**PLANTING NOTES:**

**GENERAL:**

- STATE LAW MANDATES CONTACTING "SUNSHINE STATE ONE-CALL OF FLORIDA, INC." AT 811 OR 1-800-432-4770, AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION AND/OR INSTALLATION ACTIVITIES AT HIS SOLE EXPENSE.
- CONTRACTOR SHALL CONTACT FDOT 'OPERATIONS' FOR DIRECTION AS TO THE DISPOSAL OF EXCAVATED FILL. BROWARD OPERATIONS: CONTACT ANTONIO CASTRO AT (954) 958-7671.
- CONTRACTOR SHALL MAINTAIN CLEAR SIGHT AT MEDIAN OPENINGS FOR VEHICLES TURNING ACROSS ONCOMING TRAFFIC, AS DEFINED PER FDOT INDEX 5-46, EXCEPT WHERE SIGNALIZED INTERSECTIONS THAT DO NOT GO FLASHING.
- CONTRACTOR SHALL MAINTAIN A HORIZONTAL CLEAR ZONE, AS DEFINED PER FDOT INDEX 700.

- CONTRACTOR SHALL INSTALL PLANT MATERIAL AS DETAILED IN FDOT INDEX 5-44 LANDSCAPE INSTALLATION.
- LANDSCAPE INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATIONS 580 AND ANY APPLICABLE UPDATES.
- FDOT INDEX CAN BE FOUND AT THE FOLLOWING WEBSITE:  
<http://www.dot.state.fl.us/design/DesignStandardsStandards.shtml>
- CYPRESS MULCH IS NOT PERMITTED ON FDOT RIGHT OF WAY. CONTRACTOR SHALL PROVIDE 3" RECYCLED MULCH CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC). SUBMIT PROOF OF CERTIFICATION TO THE FDOT DISTRICT OPERATIONS PERMIT LANDSCAPE INSPECTOR UPON INSPECTION.

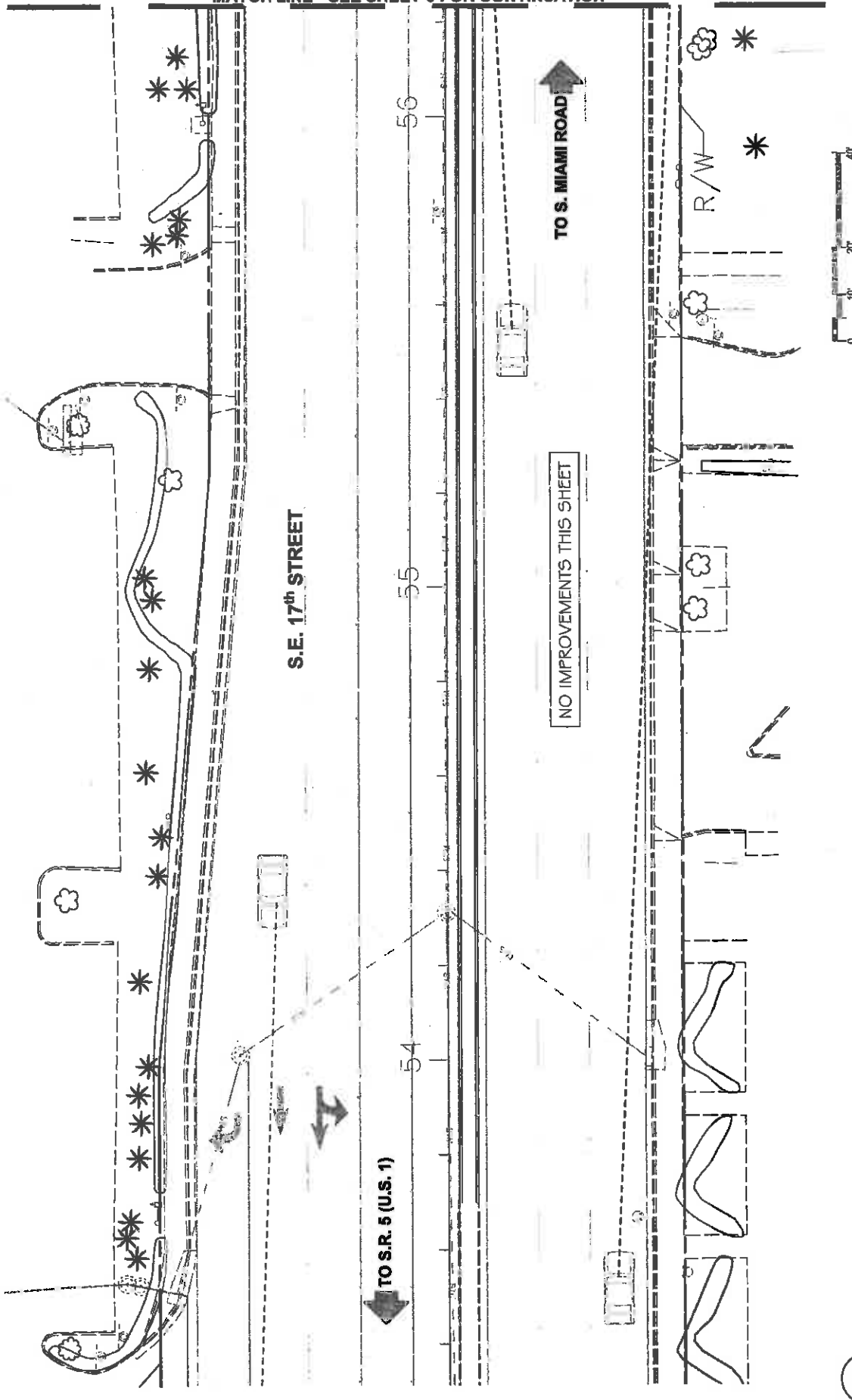
NOV. 29. 2012  
  
 11-29-12

DATE		REVISIONS		DESCRIPTION	
<b>S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT</b>					
ROAD NO.		COUNTY		FINANCIAL PROJECT ID	
A1A		BROWARD		431108-1-58-01	
11/29/2012 3:00:32 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\000 Files\Drawings\125311-LD10-NOTES.dwg USER: rmmendezo					

**PLANTING SCHEDULE & NOTES**

SHEET NO. **4**

MATCH LINE - SEE SHEET 6 FOR CONTINUATION



# A PARTIAL PLANTING PLAN

REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECTURE OF MIAMI: MICHAEL CONNER, P.L.L.C.  
 LICENSE NO. 1411  
 CATHY GREGG & ASSOCIATES, INC.  
 EXCEPTIONAL SOLUTIONS  
 1000 N.W. 10th Street, Suite 100  
 Fort Lauderdale, FL 33304  
 Phone: (954) 341-7788 Fax: (954) 343-1897  
 Certificate of Accreditation License No. 0000000000  
 VERIFIED LICENSE NO. 0000000000  
 USPEC Immortalia

S.R. A1A (SEE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	FINANCIAL PROJECT ID
ROAD NO. A1A	431108-1-58-01
COUNTY BROWARD	

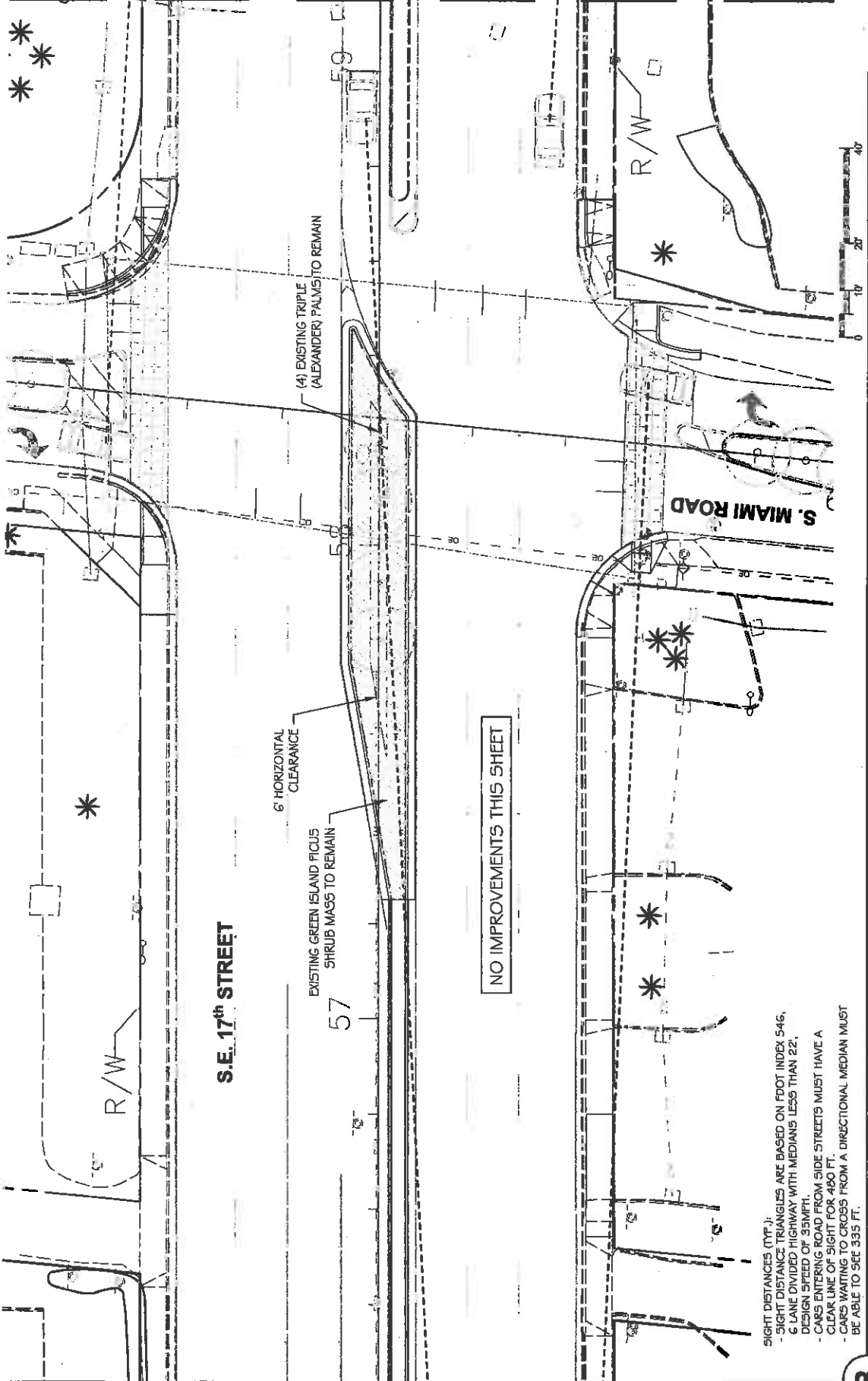
LANDSCAPE PLAN

*Michael Conner*  
 11-29-12

SHEET NO.	5
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MATCH LINE - SEE SHEET 7 FOR CONTINUATION

NOV. 29, 2012



S.E. 17th STREET

6' HORIZONTAL CLEARANCE

EXISTING GREEN ISLAND FIGUS SHRUB MASS TO REMAIN

(4) EXISTING TRIPLE (ALEXANDER) PALMIS TO REMAIN

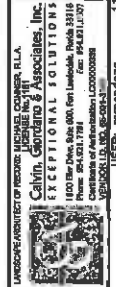
NO IMPROVEMENTS THIS SHEET

S. MIAMI ROAD

- SIGHT DISTANCES (FT.):
- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546,
  - 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22',
  - DESIGN SPEED OF 35MPH.
  - CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 480 FT.
  - CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 335 FT.

**B PARTIAL PLANTING PLAN**

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01

LANDSCAPE PLAN 11-29-12

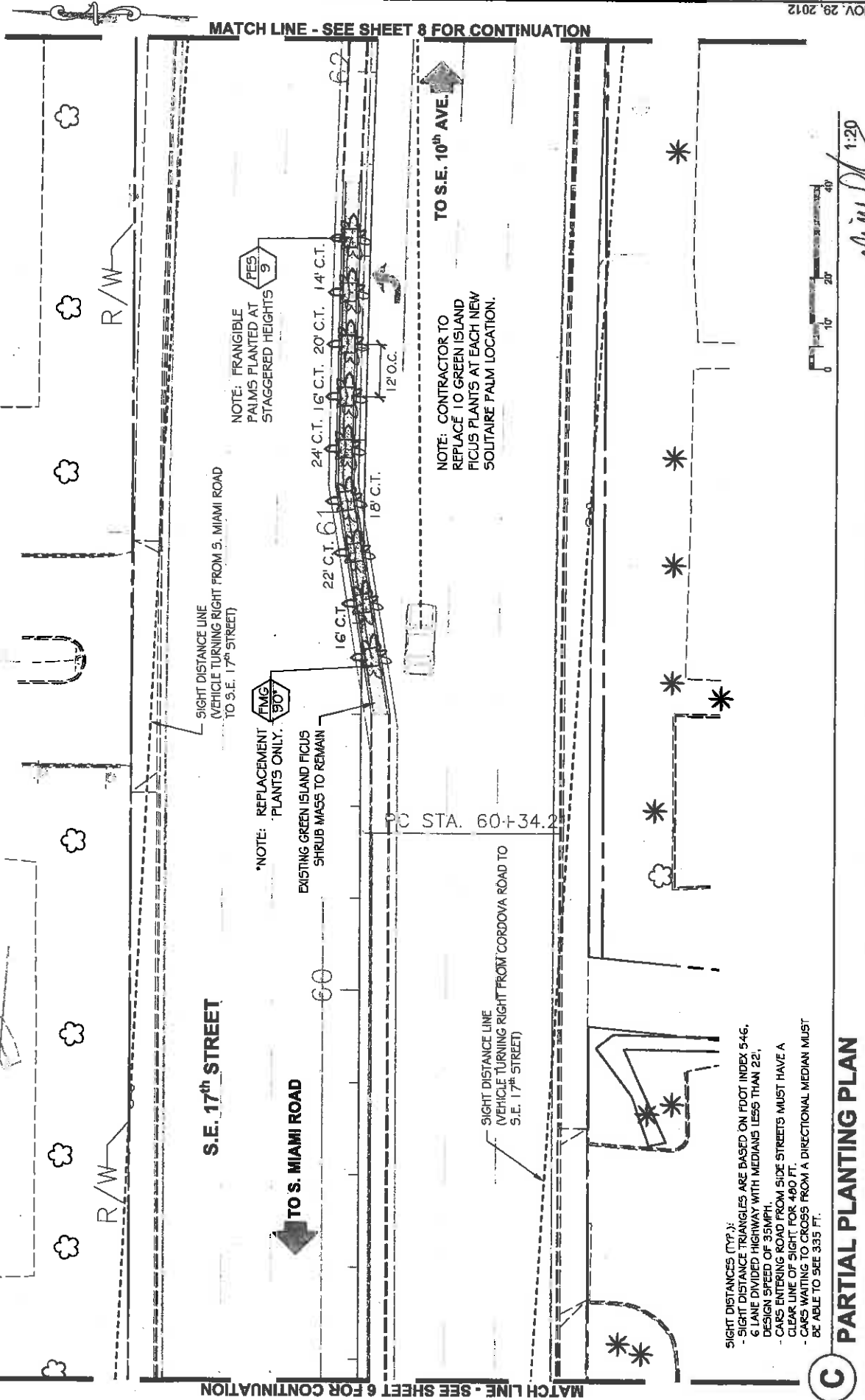
SHEET NO. 6

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MATCH LINE - SEE SHEET 8 FOR CONTINUATION

NOV. 29, 2012



MATCH LINE - SEE SHEET 6 FOR CONTINUATION

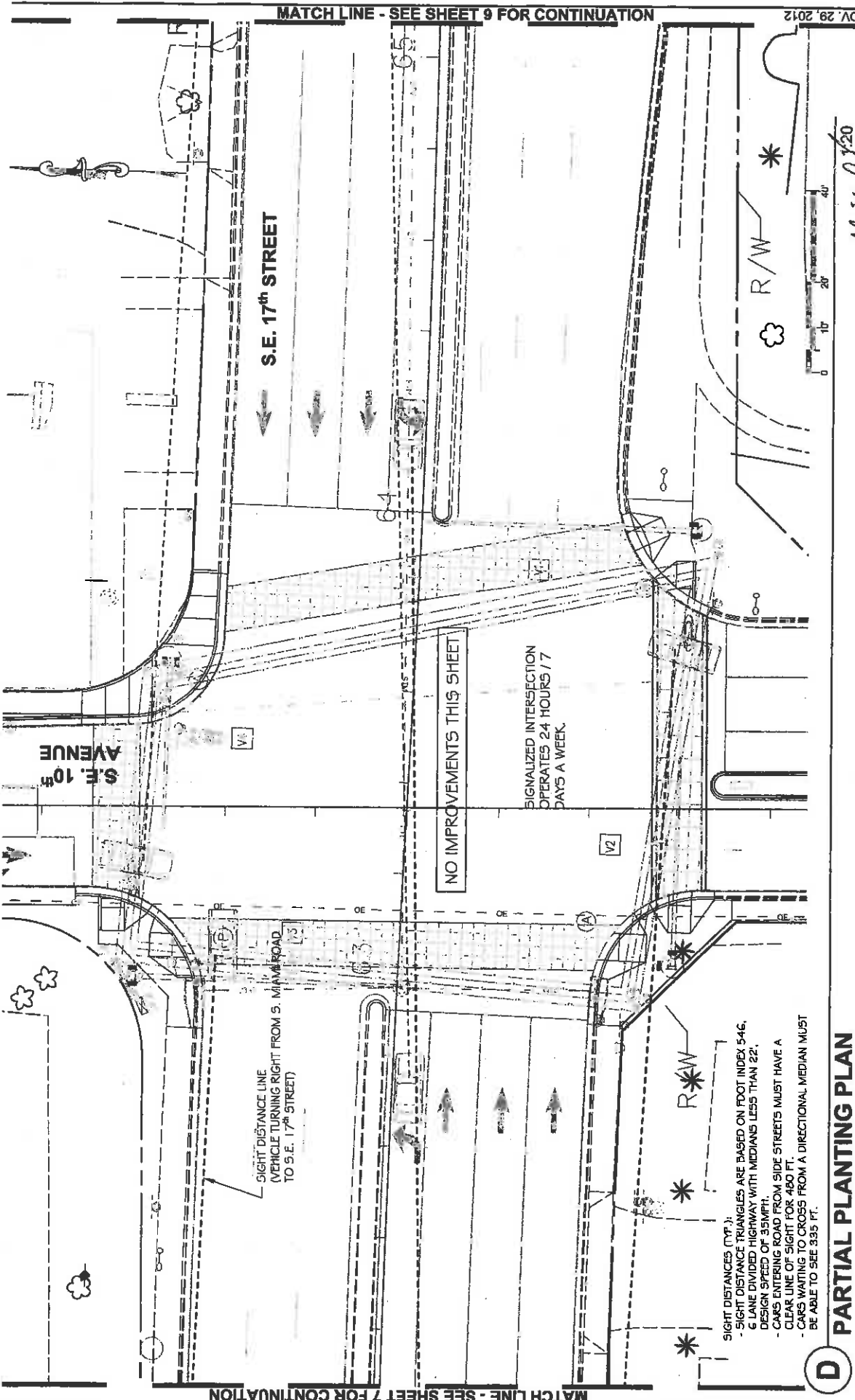
TO S.E. 10<sup>th</sup> AVE.

TO S. MIAMI ROAD

SIGHT DISTANCES (TYP.):  
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FDOT INDEX 546.  
 - 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22'.  
 - DESIGN SPEED OF 35MPH.  
 - CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 480 FT.  
 - CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 335 FT.

**C PARTIAL PLANTING PLAN**

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
<p>LANDSCAPE ARCHITECT: PROGRESS PARTNERS COMPANY, P.C.A.                  LICENSE NO. 1411                  CALVIN, GORRING &amp; ASSOCIATES, INC.                  EXCEPTIONAL SOLUTIONS                  1000 Old Dixie Hwy. Suite 600, Fort Lauderdale, Florida 33315                  Phone: (954) 462-3377 Fax: (954) 462-1867                  Website: www.progresspartners.com                  Professional Seal: [Seal] License No. 11111                  Certificate of Authorization: CA20000000                  USER: mmendoza</p>				
<p>S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT</p>			FINANCIAL PROJECT ID	431108-1-59-01
ROAD NO.		A1A	COURTY	BROWARD
<b>LANDSCAPE PLAN</b>				
SHEET NO.				7



MATCH LINE - SEE SHEET 9 FOR CONTINUATION

NOV. 29, 2012

SHEET NO.	8
<b>LANDSCAPE PLAN</b>	
<p>S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT</p>	
ROAD NO.	A1A
COUNTY	BROWARD
FINANCIAL PROJECT ID	431108-1-58-01
<p>11/29/2012 3:01:14 PM P:\Projects\2012\23511 SE 17 St Causeway Beautification Grant\CADD Plans\Drawings\23511-L100-PLANTING_PLANS.dwg</p>	

*Signature*  
11-29-12

**D PARTIAL PLANTING PLAN**

- SIGHT DISTANCES (V.F.):
- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546.
- 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22'.
- DESIGN SPEED OF 35MPH.
- CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 490 FT.
- CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 335 FT.

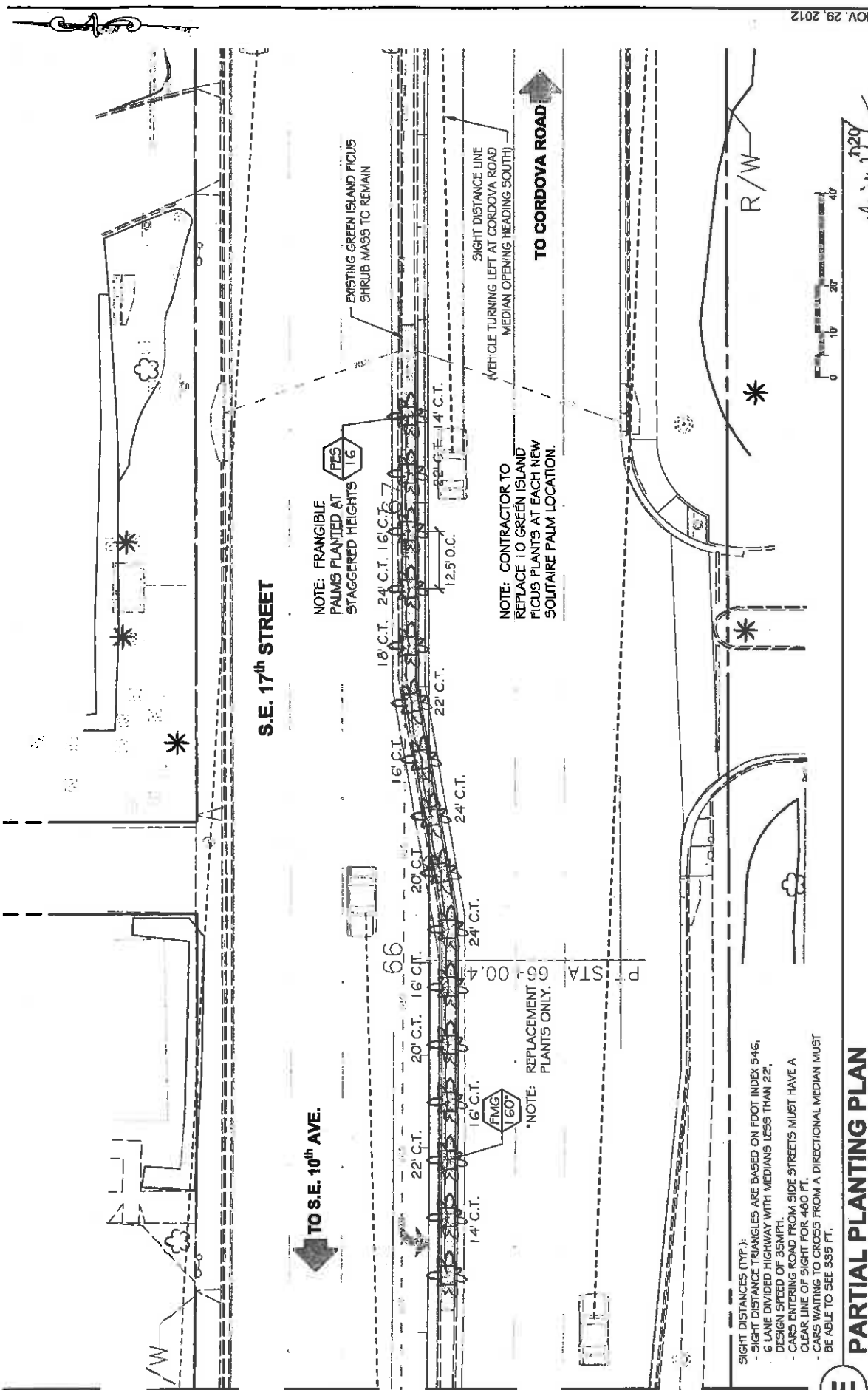
NO IMPROVEMENTS THIS SHEET

SIGNALIZED INTERSECTION OPERATES 24 HOURS / 7 DAYS A WEEK.

SIGHT DISTANCE LINE (VEHICLE TURNING RIGHT FROM S. MIAMI ROAD TO S.E. 17th STREET)

LANDSCAPE SERVICES OF BROWARD COUNTY, P.L.A.  
 PIERRE ALBERT  
 Calvin, Gloriano & Associates, Inc.  
 EXCEPTIONAL SOLUTIONS  
 1800 N.W. 11th St., 6th Fl., Ft. Lauderdale, Florida 33304  
 Phone: (954) 531-1100  
 Fax: (954) 531-1101  
 Certificate of Accreditation LC20000209  
 VERSION 1.0 05/07/07  
 USBC: mm2m02020

MATCH LINE - SEE SHEET 8 FOR CONTINUATION



SIGHT DISTANCES (TYP.):  
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546,  
 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22',  
 DESIGN SPEED OF 35MPH.  
 - CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A  
 CLEAR LINE OF SIGHT FOR 460 FT.  
 - CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIUM MUST  
 BE ABLE TO SEE 335 FT.

**E PARTIAL PLANTING PLAN**

REVISIONS	DATE	DESCRIPTION

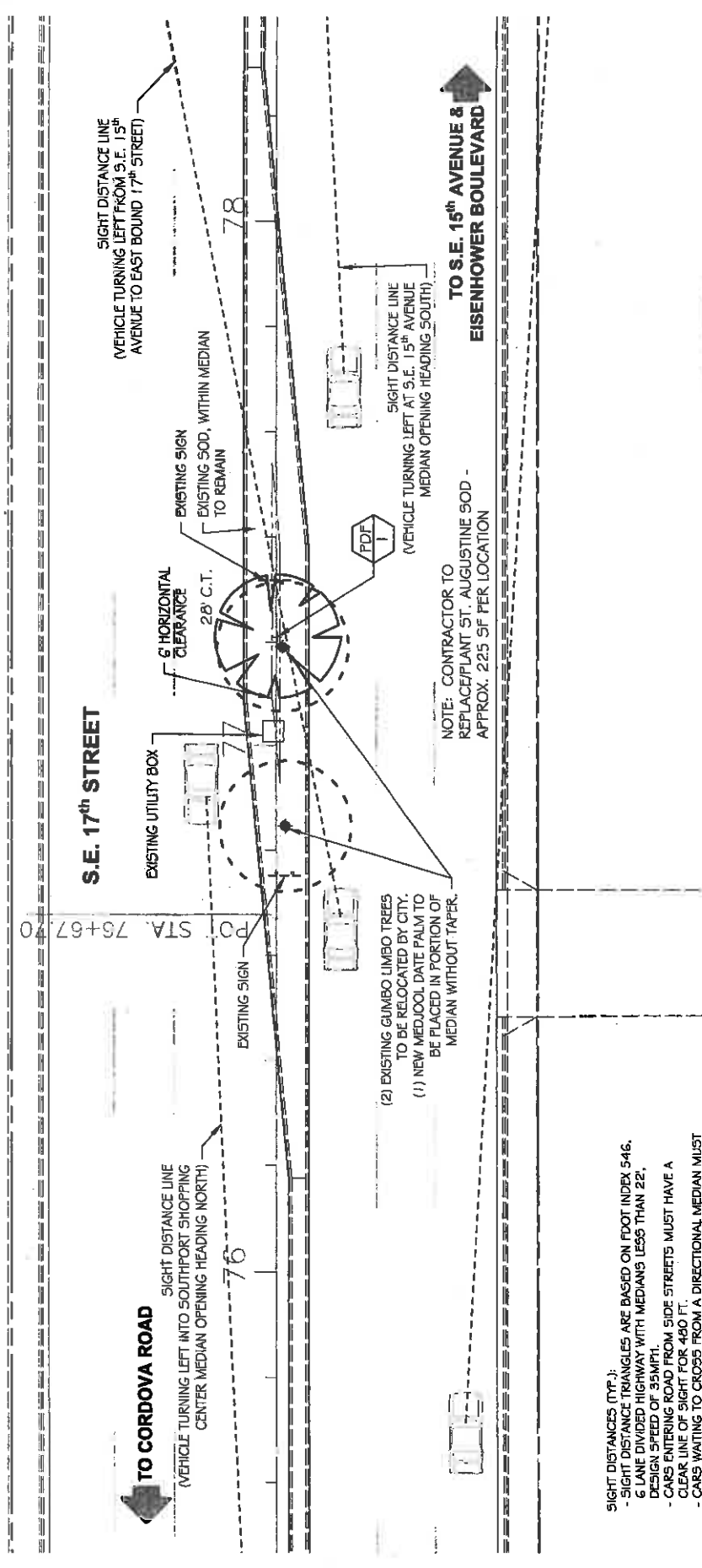
UNLICENSED ARCHITECT OR ENGINEER OR PROFESSIONAL LANDSCAPE ARCHITECT  
 License No. 11111  
**EXCEPTIONAL SOLUTIONS, Inc.**  
 1000 N. W. 17th Ave., Suite 100  
 Ft. Lauderdale, FL 33311  
 Phone: 754.341.1111  
 Fax: 754.341.1112  
 Certificate of Authorization: LC00000333  
 VENDOR ID: 100-850001

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	FINANCIAL PROJECT ID
ROAD NO. A1A	COUNTY BROWARD
431108-1-58-01	

LANDSCAPE PLAN 11-29-12

SHEET NO. 9

NOV. 29, 2012



S.E. 17th STREET

TO CORDOVA ROAD

TO S.E. 15th AVENUE & EISENHOWER BOULEVARD

NOTE: CONTRACTOR TO REPLACE/PLANT 5T. AUGUSTINE SOD - APPROX. 225 SF PER LOCATION

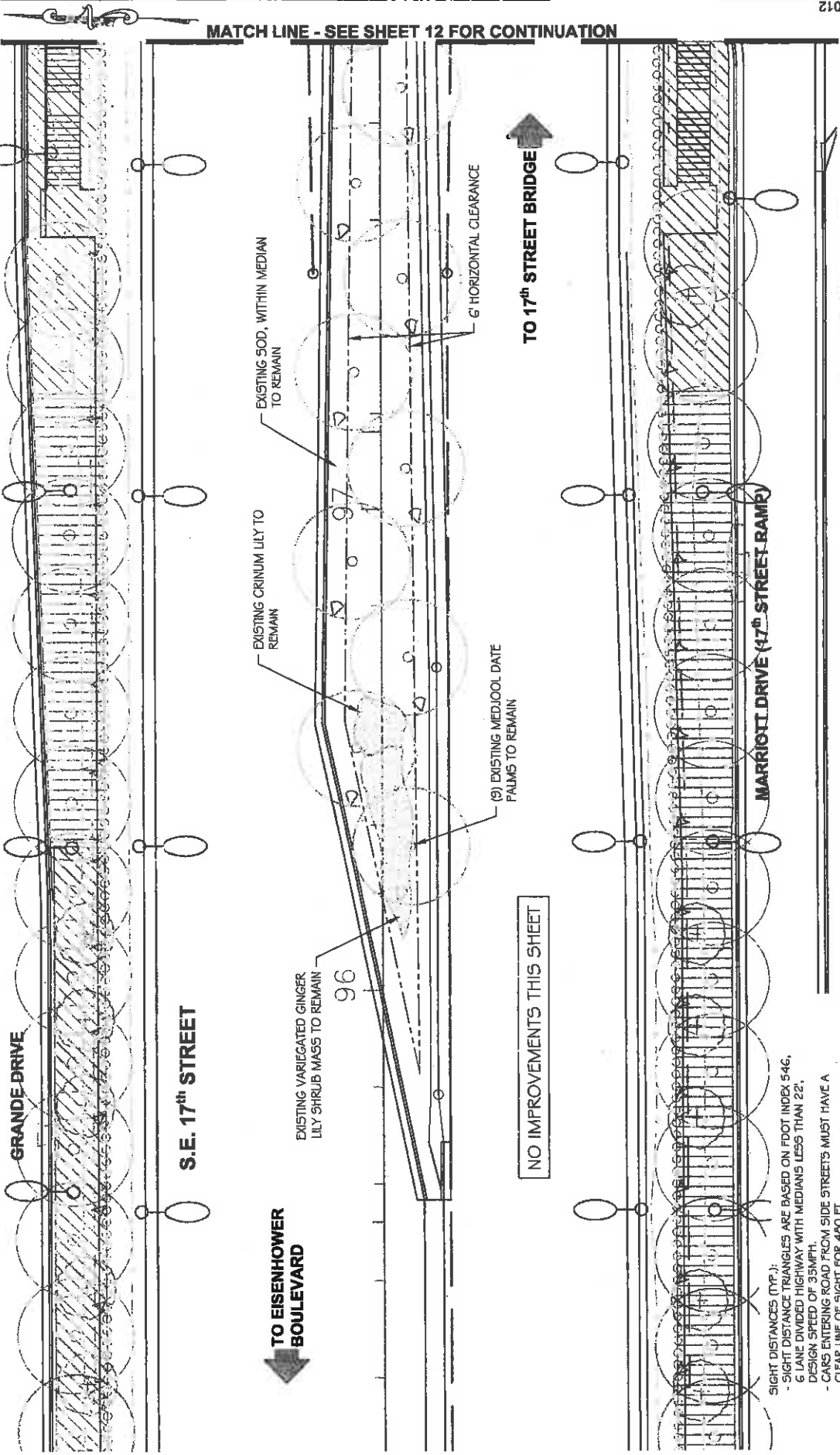
(2) EXISTING JUMBO LIMBO TREES TO BE RELOCATED BY CITY: (1) NEW MEDJOL DATE PALM TO BE PLACED IN PORTION OF MEDIAN WITHOUT TAPER.

- SIGHT DISTANCES (M.F.):
- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546.
- 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22', DESIGN SPEED OF 35MPH
- CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 450 FT.
- CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 395 FT.

F PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

MATCH LINE - SEE SHEET 12 FOR CONTINUATION



SIGHT DISTANCES (M.P.):  
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546,  
 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22',  
 DESIGN SPEED OF 35MPH.  
 - CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A  
 CLEAR LINE OF SIGHT FOR 400 FT.  
 - CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST  
 BE ABLE TO SEE 335 FT.

### PARTIAL PLANTING PLAN

DATE	REVISIONS	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: MICHAEL OWENS, R.L.A. License No. 1141 Calvin, Orlando & Associates, Inc. <b>ACCEPTORAL SOLUTIONS, Inc.</b> 10000 US Highway 19 North, Suite 200 Palm Beach Gardens, Florida 33418-1107 Phone: 561.943.1711 Fax: 561.943.1107 Certificate of Accreditation: LC200000899 USBC: 050152033800 USER: mowens	
S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	FINANCIAL PROJECT ID: 431108-1-58-01
ROAD NO. A1A	COUNTY BROWARD
11/29/2012 3:01:39 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CADD Files\Drawings\125311-1108-PLANTING_PLANS.dwg	

### LANDSCAPE PLAN

SHEET NO. 11

GRANDE DRIVE

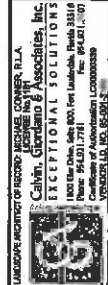
PARKING BENEATH  
17th STREET BRIDGE

TO EISENHOWER  
BOULEVARD

- SIGHT DISTANCES (V.P.):
- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546.
- 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22' DESIGN SPEED OF 55MPH.
- CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 480 FT.
- CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 335 FT.

**H PARTIAL PLANTING PLAN**

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



S.R. A1A (SE 17 ST CAUSEWAY)  
BEAUTIFICATION GRANT

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	431108-1-58-01

SHEET NO. 12

LANDSCAPE PLAN 11/29/12

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NOV. 29, 2012

MATCH LINE - SEE SHEET 11 FOR CONTINUATION

6' HORIZONTAL CLEARANCE  
EXISTING INDIAN HAWTHORN  
SHRUB MASS TO REMAIN

NOTE: CONTRACTOR TO  
REPLACE/PLANT ST. AUGUSTINE SOD -  
APPROX. 225 SF PER LOCATION  
EXISTING VARIEGATED  
ARBOVICOLA TO REMAIN

EXISTING SOD, WITHIN  
MEDIAN TO REMAIN

EXISTING SOD, WITHIN  
MEDIAN TO REMAIN

EXISTING SOD, WITHIN  
MEDIAN TO REMAIN

(5) EXISTING MEDJOL DATE  
PALMS TO REMAIN

EXISTING SOD, IN  
MEDIAN TO REMAIN

EXISTING SOD, WITHIN  
MEDIAN TO REMAIN

EXISTING SOD, WITHIN  
MEDIAN TO REMAIN

EXISTING CRINUM LILY  
TO REMAIN

NOTE: CONTRACTOR TO REPLACE  
20 VARIEGATED ARBOVICOLA  
PLANTS AT NEW PALM LOCATION.

(1) EXISTING ROYAL  
PALM TO REMAIN

(1) EXISTING FAN  
PALM TO REMAIN

(1) EXISTING FAN  
PALM TO REMAIN

(1) EXISTING FAN PALM TO  
BE RELOCATED BY CITY

EXISTING SOD, WITHIN MEDIAN  
TO REMAIN

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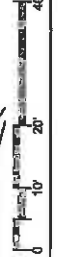
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MEDIAN TO REMAIN

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EXISTING SOD, WITHIN  
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EXISTING SOD, WITHIN  
MEDIAN TO REMAIN



1:20

MATCH LINE - SEE SHEET 14 FOR CONTINUATION

ACCESS ROAD (17<sup>th</sup> STREET RAMP)

PARKING BENEATH 17<sup>th</sup> STREET BRIDGE

S.E. 17<sup>th</sup> STREET

TO S.E. 23<sup>rd</sup> AVENUE

ACCESS ROAD (17<sup>th</sup> STREET RAMP)

6' HORIZONTAL CLEARANCE

EXISTING CRINUM LILY TO REMAIN

EXISTING FAN PALM TO REMAIN

EXISTING WART FERN TO REMAIN

22' C.T.

22' C.T.

22' C.T.

20' G.W.

20' G.W.

20' G.W.

25' O.C.

NOTE: CONTRACTOR TO REPLACE PLANT ST. AUGUSTINE SOD - APPROX. 225 SF PER LOCATION

NOTE: REPLACEMENT PLANTS ONLY.

(1) EXISTING FAN PALM TO BE RELOCATED BY CITY

(2) EXISTING FAN PALMS TO BE RELOCATED BY CITY

NOTE: CONTRACTOR TO REPLACE 10 WART FERNS AT EACH NEW PALM LOCATION.

EXISTING SOD, WITHIN MEDIAN TO REMAIN

EXISTING FAN PALMS TO REMAIN

EXISTING WART FERN TO REMAIN

- SIGHT DISTANCES (TYP.):
- SIGHT DISTANCE TRIANGLES ARE BASED ON FDOT INDEX 546.
  - 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22' DESIGN SPEED OF 35MPH.
  - CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 450 FT.
  - CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 335 FT.

1 PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS

LANDSCAPE ARCHITECT OF RECORD: MERRILL CONNER, PLLC  
 11729/2012 3:0156 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CADD Files\Drawings\125311-L100-PLANTING\_PLANS.dwg  
 11/29/12  
 11/29/12

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	ROAD NO. A1A	COUNTY BROWARD	FINANCIAL PROJECT ID 431106-1-58-01
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LANDSCAPE PLAN  
 SHEET NO. 13

SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546,  
 6 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22',  
 DESIGN SPEED OF 35MPH.  
 CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A  
 CLEAR LINE OF SIGHT FOR 400 FT.  
 CARS WANTING TO CROSS FROM A DIRECTIONAL MEDIAN MUST  
 BE ABLE TO SEE 335 FT.

ACCESS ROAD (17<sup>th</sup> STREET RAMP)

S.E. 17<sup>th</sup> STREET

TO 17<sup>th</sup> STREET BRIDGE

MATCH LINE - SEE SHEET 13 FOR CONTINUATION

NOTE: CONTRACTOR TO  
 REPLACE/PLANT 5T. AUGUSTINE SOD -  
 APPROX. 225 SF PER LOCATION

\*\*NOTE: CONTRACTOR TO FILL  
 RELOCATED PALM LOCATIONS WITH  
 10 INDIAN HAWTHORN AT EACH,  
 100'-0" MIN.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22' C.T.

EXISTING SOD, WITHIN  
 MEDIAN TO REMAIN

(2) EXISTING BISMARKIA PALMS  
 TO BE RELOCATED BY CITY

(3) EXISTING BISMARKIA PALMS  
 TO BE RELOCATED BY CITY

EXISTING INDIAN HAWTHORN  
 SHRUB MASS TO REMAIN

6' HORIZONTAL CLEARANCE

FDMA 10

RHL 20

100'-0" MIN.

TO S.E. 23<sup>rd</sup> AVENUE

ACCESS ROAD (17<sup>th</sup> STREET RAMP)

1:20

0 10 20 40

LANDSCAPE PLAN

NOV. 29, 2012

11-24-12

14

S.R. A1A (SE 17<sup>th</sup> CAUSEWAY)  
 BEAUTIFICATION GRANT

ROAD NO. A1A

COUNTY BROWARD

FINANCIAL PROJECT ID 4311108-1-58-01

11/29/2012 3:52:09 PM F:\Projects\2012\125311 SE 17<sup>th</sup> St Causeway Beautification Grant\CADD Files\Drawings\125311-1100-PLANTING\_PLANS.dwg

USER: mmm0222

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CROWNER, B.L.A.  
 LICENSE NO. 11111  
 Cabin, Crowder & Associates, Inc.  
 EXCEPTIONAL SOLUTIONS  
 1100 N.W. 11th St., Suite 100  
 Fort Lauderdale, FL 33304  
 Phone: 954.371.1111 Fax: 954.371.1100  
 Website: www.mcausa.com  
 VENDOR LICENSE NO. 2001337

REVISIONS

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

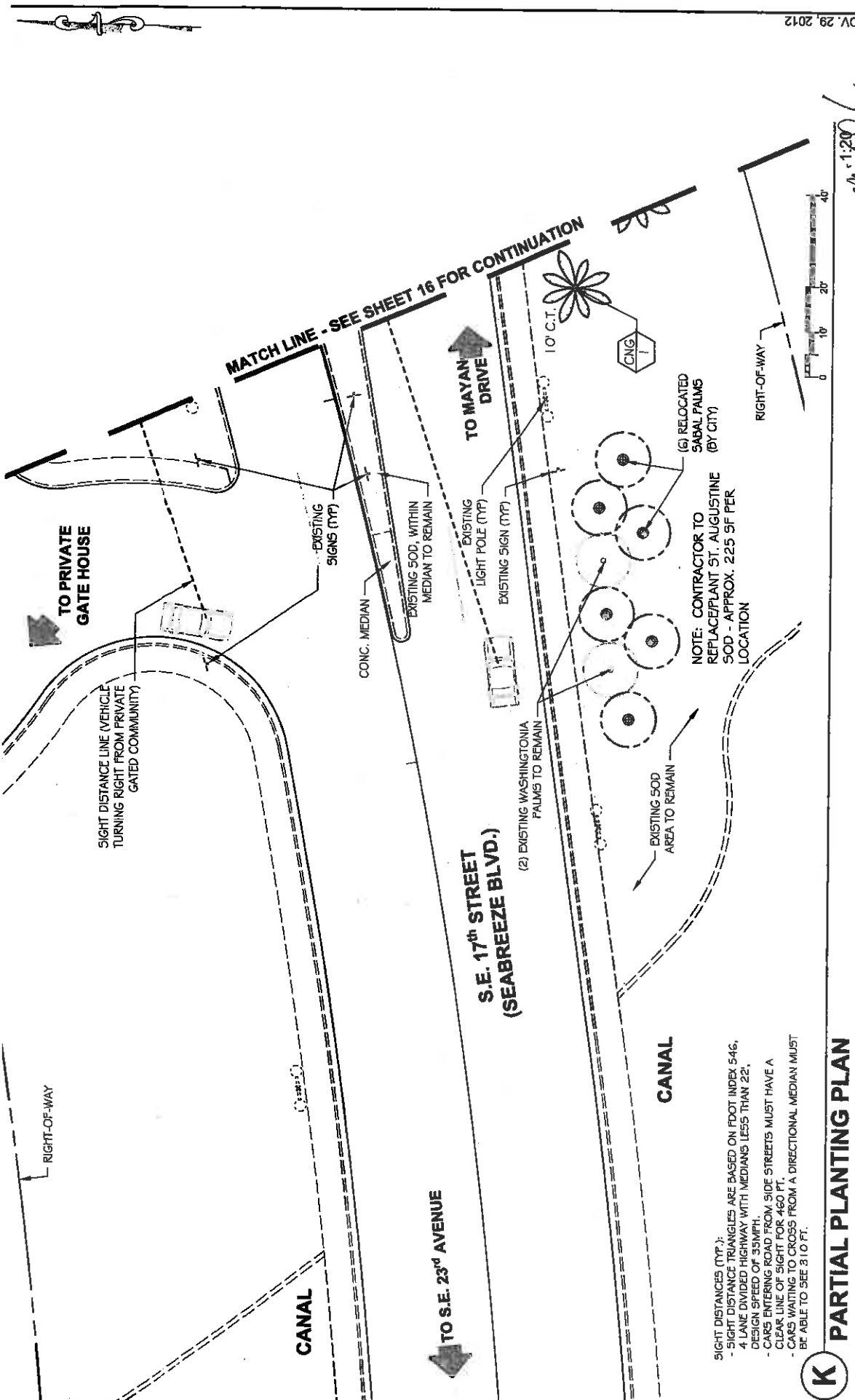
DATE

DESCRIPTION

DATE

DESCRIPTION





**SIGHT DISTANCES (TYP.):**

- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546, 4 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22', DESIGN SPEED OF 35MPH.
- CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 160 FT.
- CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 3 TO FT.

**(K) PARTIAL PLANTING PLAN**

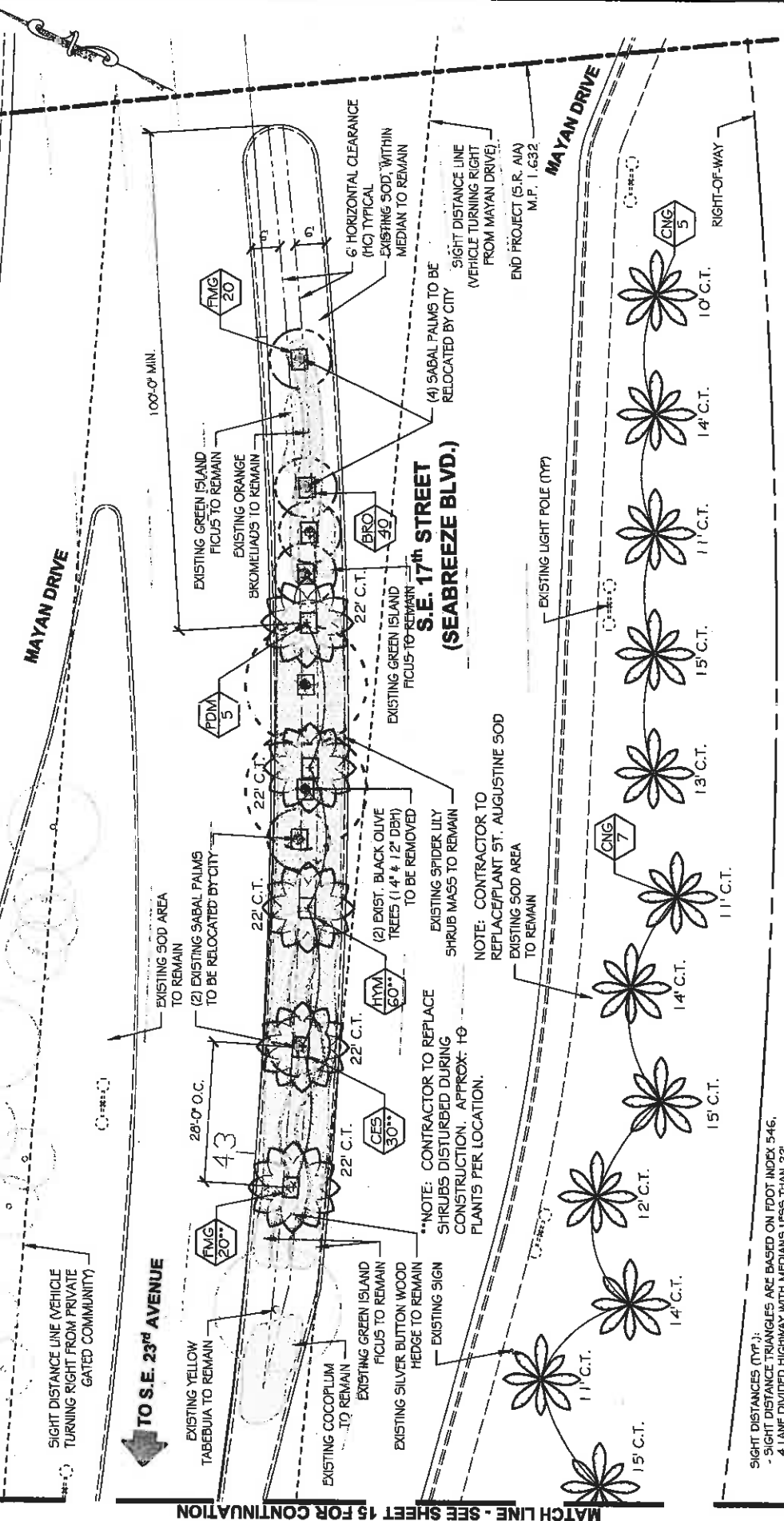
DATE	DESCRIPTION	REVISIONS

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, P.L.L.C. (Seabreeze Blvd.) California: 00000000 & Associates, Inc. REGISTERED PROFESSIONAL ARCHITECTS Name: 00000000, Inc. License No. 00000000 00000000, Inc. License No. 00000000 00000000, Inc. License No. 00000000		S.R. A1A (SE 17 <sup>th</sup> ST CAUSEWAY) BEAUTIFICATION GRANT	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
A1A	BROWARD	431108-1-58-01	15

**LANDSCAPE PLAN**

11-7-12



SIGHT DISTANCE LINE (VEHICLE TURNING RIGHT FROM PRIVATE GATED COMMUNITY)

TO S.E. 23<sup>RD</sup> AVENUE

EXISTING SOD AREA TO REMAIN  
 (2) EXISTING SABAL PALMS TO BE RELOCATED BY CITY  
 (2) EXIST. BLACK OLIVE TREES (1"4" x 12" DBH) TO BE REMOVED  
 SHRUB MASS TO REMAIN  
 (2) EXIST. SPIDER LILY TO BE REMOVED  
 (2) EXIST. GREEN ISLAND FIGS TO REMAIN  
 (4) SABAL PALMS TO BE RELOCATED BY CITY  
 (4) SIGHT DISTANCE LINE (VEHICLE TURNING RIGHT FROM MAYAN DRIVE)  
 END PROJECT (S.R. AIA) M.P. 1.632

NOTE: CONTRACTOR TO REPLACE/PLANT ST. AUGUSTINE SOD TO REMAIN  
 NOTE: CONTRACTOR TO REPLACE SHRUBS DISTURBED DURING CONSTRUCTION. APPROX. 10 PLANTS PER LOCATION.  
 SIGHT DISTANCES (M.P.):  
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546.  
 - 4 LANE DIVIDED HIGHWAY WITH MEDIANS LESS THAN 22'. DESIGN SPEED OF 35MPH.  
 - CARS ENTERING ROAD FROM SIDE STREETS MUST HAVE A CLEAR LINE OF SIGHT FOR 460 FT.  
 - CARS WAITING TO CROSS FROM A DIRECTIONAL MEDIAN MUST BE ABLE TO SEE 310 FT.

MATCH LINE - SEE SHEET 15 FOR CONTINUATION

1:20  
 [Signature]  
 11-29-12

LANDSCAPE PLAN

S.R. AIA (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT  
 COUNTY FINANCIAL PROJECT ID  
 ROAD NO. COUNTY FINANCIAL PROJECT ID  
 AIA BROWARD 431108-1-58-01

**L PARTIAL PLANTING PLAN**

REVISIONS	DATE	DESCRIPTION

**IRRIGATION / WATERING NOTES:**

- GENERAL:**
- CONTRACTOR SHALL COORDINATE WITH CITY OF FT. LAUDERDALE PARKS & REC. DEPARTMENT (CONTACT TIM SOUTHWY 954-828-5394) PRIOR TO THE INSTALLATION OF ANY IRRIGATION EQUIPMENT.
  - IRRIGATION PLANS ARE SCHEMATIC IN NATURE, CONTRACTOR SHALL INSTALL ALL PIPE, VALVES, AND BUBBLERS IN LANDSCAPE AREAS AS DIRECTED IN DETAILS.
  - CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW EXISTING PLANT MATERIAL WITHIN MEDIAN/SIDE O.V.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.
  - REPAIR OF ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS/HER EXPENSE.
  - INSTALLATION OF LATERALS & BUBBLERS AROUND EXISTING TREES SHALL BE DONE BY HAND. EXTREME CARE MUST BE USED TO PREVENT DAMAGE TO THE ROOT SYSTEM OF EXISTING TREES. ROOTS LARGER THAN 2-1/2" SHALL NOT BE CUT, SOIL BENEATH THE ROOT SHALL BE CAREFULLY EXCAVATED IN ORDER TO PASS ANY LATERAL BENEATH THE ROOT. SOIL SHALL BE BACK WASHED INTO THESE AREAS IN ORDER TO AVOID ANY AIR POCKETS FROM FORMING.
  - CONTRACTOR SHALL USE PVC SCH 40 OR PVC CLASS 200 PIPE WITH NEW PVC SCH40 FITTINGS. ALL JOINTS/FITTINGS SHALL BE SOLVENT WELD, UNLESS OTHERWISE SPECIFIED.
  - CONTROL WIRE SHALL BE A MINIMUM OF 14 GAUGE OR MATCH EXISTING SPARE WIRES, IF AVAILABLE. IF A SPARE IS AVAILABLE, CONTRACTOR SHALL CONNECT OTHER END OF SPARE IN TIME/CONTROLLER DEVICE AND ASSURE SCHEDULE IS SET FOR ESTABLISHMENT PERIOD OF PALMS.
  - CONTRACTOR SHALL COORDINATE CLOCK/CONTROLLER SETTINGS WITH THE CITY OF FT. LAUDERDALE PARKS AND REC. DEPARTMENT, AND PROVIDE THEM WITH A WRITTEN SCHEDULE. AS WELL AS PROVIDE THEM WITH AN AS-BUILT DRAWING SHOWING LOCATIONS OF BUBBLERS, LATERALS, VALVES (EXISTING AND NEW CONNECTED TO ANY ZONE REPAIRED OR INSTALLED) AND LABELED IN SUCH A WAY TO BE RECOGNIZED WITH THE WRITTEN SCHEDULE.
  - IF IT IS NOT POSSIBLE TO PROVIDE AUTOMATIC IRRIGATION TO ANY OF THE NEW OR RELOCATED PALMS & TREES, CONTRACTOR SHALL PROVIDE A WATERING CONTRACT:

12. WATERING SCHEDULE (FIRST 6 MONTHS):

WEEKS)	FREQUENCY (WATERING DAYS)
1 THRU 6	MON., WED., FRI., SAT.
7 THRU 12	MON., WED., FRI.
13 THRU 24	MON., FRI.

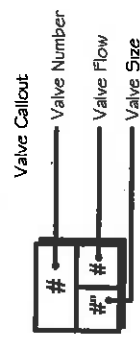
\*6 MONTH WATERING SCHEDULE IS A MINIMUM, CONTRACTOR IS RESPONSIBLE FOR WATERING PLANT MATERIAL FOR THE FULL 12 MONTH ESTABLISHMENT/WARRANTY PERIOD.

**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL	QTY	GPM
□	RAIN BIRD 1804-SAM-PRS-1400 FLOOD	8	0.5
▲	RAIN BIRD 1804-SAM-PRS-1400 FLOOD	39	0.1
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
⊙	EXISTING VALVE WITH BATTERY OPERATED TIME CLOCK		
⊙	EXISTING BACKFLOW DEVICE		
⊙	2" PRESSURE VACUUM BREAKER		
⊙	EXISTING IRRIGATION CONTROLLER		
⊙	EXISTING WATER METER		
⊙	RAIN BIRD PGA ANGLE 1" ELECTRIC REMOTE CONTROL VALVE, INSTALLED IN A NEW CARSON 14198 VALVE BOX.		

EXISTING IRRIGATION MAIN LINE/LATERAL/OR CONDUIT (LOCATION IS APPROXIMATE, CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ACTUAL LOCATIONS OF UNDERGROUND IRRIGATION LINES AND UTILITIES, PRIOR TO BID.)

IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21, SIZE PER PLAN



10. ALL NEW PLANT MATERIAL SHALL HAVE AN ESTABLISHMENT PERIOD OF 12 MONTHS FROM THE TIME OF FINAL ACCEPTANCE. DURING THE ESTABLISHMENT PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING ITEMS: WATERING PER THE SCHEDULE ATTACHED (#12), RE-SETTING OF PLANTS, REPLACEMENT OF SICK OR DEAD PLANTS, ALL OTHER CARE REQUIRED FOR PROPER GROWTH. ANY PLANT MATERIAL NOT IN HEALTHY GROWING CONDITION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT.

10.1. THE 12 MONTH WARRANTY/ESTABLISHMENT PERIOD SHALL BE EXTENDED BY 45 DAYS FOR ALL REPLACEMENT PLANT MATERIAL AT THE CLIENT'S EXPENSE. THE CONTRACTOR WILL REPLACE ANY PLANT MATERIAL DAMAGED AS A RESULT OF AUTOMOBILE ACCIDENTS OR ACTS OF GOD LIMITED TO HAIL, FREEZE, LIGHTNING, AND WINDS EXCEEDING 75 MPH AS DEFINED BY THE MIAMI HURRICANE CENTER.

11. WATERING CONTRACT SHALL BE INCLUDED IN CONTRACTORS BID FOR ANY PLANT MATERIAL THAT HAS BEEN ROOT PRUNED, INSTALLED, DISTURBED BY CONSTRUCTION, OR WHERE PROPOSED OR EXISTING IRRIGATION SYSTEMS ARE NOT FUNCTIONAL. ALL WARRANTIES SHALL BE IN PLACE BY CONTRACTOR REGARDLESS OF NON-OPERATIONAL IRRIGATION SYSTEMS OR AREAS WHERE NO IRRIGATION IS PROPOSED.

LICENSE NUMBER OF RECORD: MICHAEL CONNER P.L.L.C. LICENSE NO. 11111 CABIN, CORDIANO & ASSOCIATES, INC. EXCEPTIONAL SOLUTIONS 1100 Biscayne Blvd, Suite 200, Fort Lauderdale, Florida 33308 Phone: (954) 573-1111 Fax: (954) 573-1111 Website: www.cca.com Certificate of Authorization LC2000039		S.R. A1A (SEE 17 ST CAUSEWAY) BEAUTIFICATION GRANT ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01	SHEET NO. 17 IRRIGATION NOTES & SCHEDULE
11/29/2012 3:02:53 PM P:\Projects\2012\128311 SE 17 St Causeway Beautification Grant\CAUD Files\Drawings\128311-1010-NOTES.dwg USER: mmendoza		NOV 29 2012	

MATCH LINE - SEE SHEET 19 FOR CONTINUATION

NOV. 29, 2012

EXISTING IRRIGATION VALVES WITH BATTERY OPERATED CONTROLLER, 2" ANTI-SIPHON VACUUM BREAKER, AND METER (P.O.C.) LOCATED IN MEDIAN

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/R.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

EXISTING VALVE CONTROL IS SPRAY HEADS IN MEDIANS (S.E. 17th STREET) BETWEEN S. MIAMI ROAD TO CORDOVA ROAD.

NO IMPROVEMENTS THIS SHEET

**B PARTIAL IRRIGATION PLAN**

REVISIONS	DATE	DESCRIPTION

APPROVE (PRINT NAME OF REGISTERED PROFESSIONAL ENGINEER, P.E.)  
 CAHILL, GUARDINO & ASSOCIATES, INC.  
 EXCEPTIONAL SOLUTIONS  
 1800 SW 15th Ave, Suite 200, Fort Lauderdale, Florida 33315  
 Phone: (954) 331-1801  
 Fax: (954) 331-1802  
 Website: www.cahillguardino.com  
 USER: rmmendoza

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01

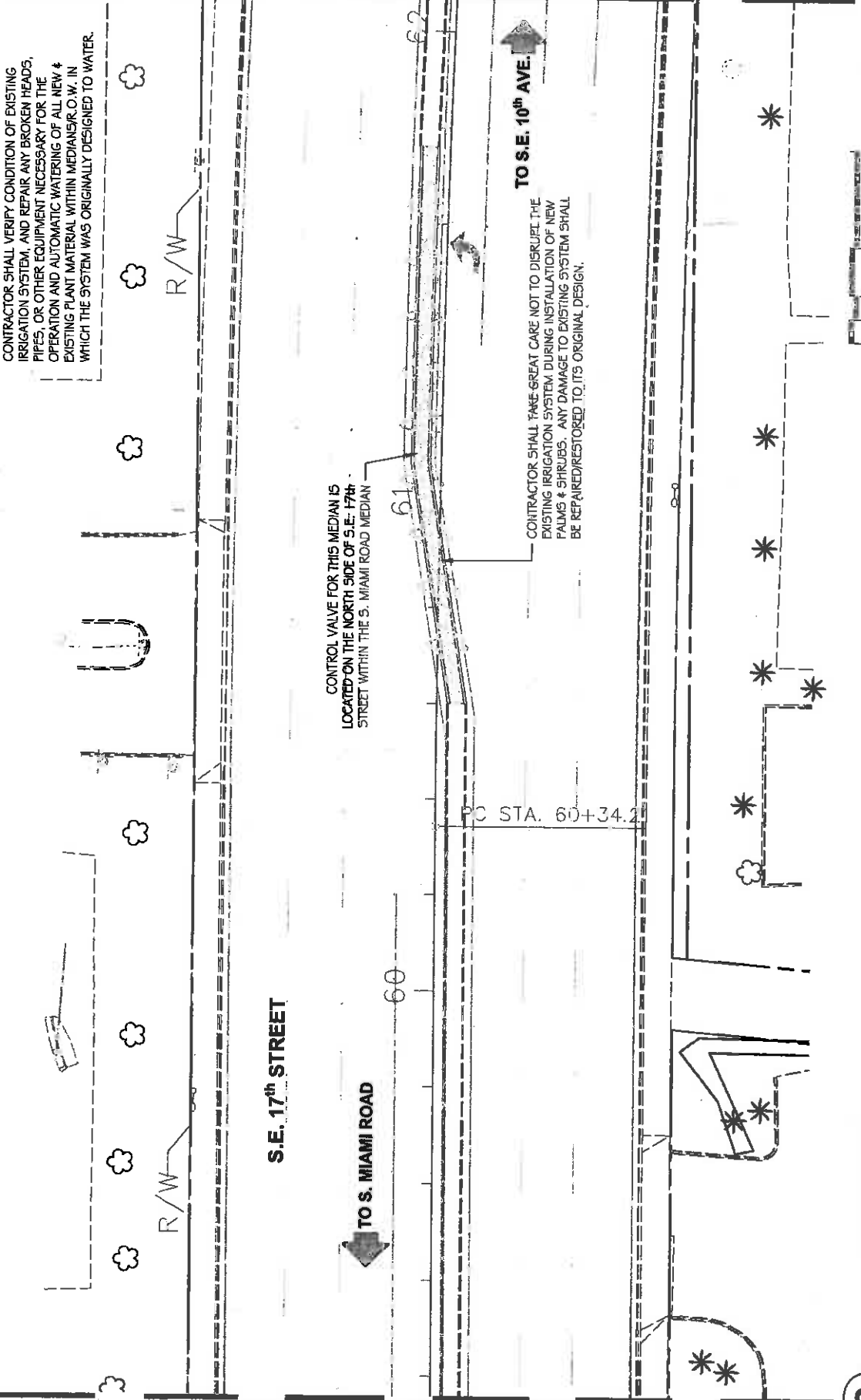
**IRRIGATION PLAN**

SHEET NO. 18

11-28-12  
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MATCH LINE - SEE SHEET 20 FOR CONTINUATION

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/R.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.



CONTRACTOR SHALL TAKE GREAT CARE NOT TO DISRUPT THE EXISTING IRRIGATION SYSTEM DURING INSTALLATION OF NEW PALMS & SHRUBS. ANY DAMAGE TO EXISTING SYSTEM SHALL BE REPAIRED/RESTORED TO ITS ORIGINAL DESIGN.

CONTROL VALVE FOR THIS MEDIAN IS LOCATED ON THE NORTH SIDE OF S.E. 17th STREET WITHIN THE S. MIAMI ROAD MEDIAN

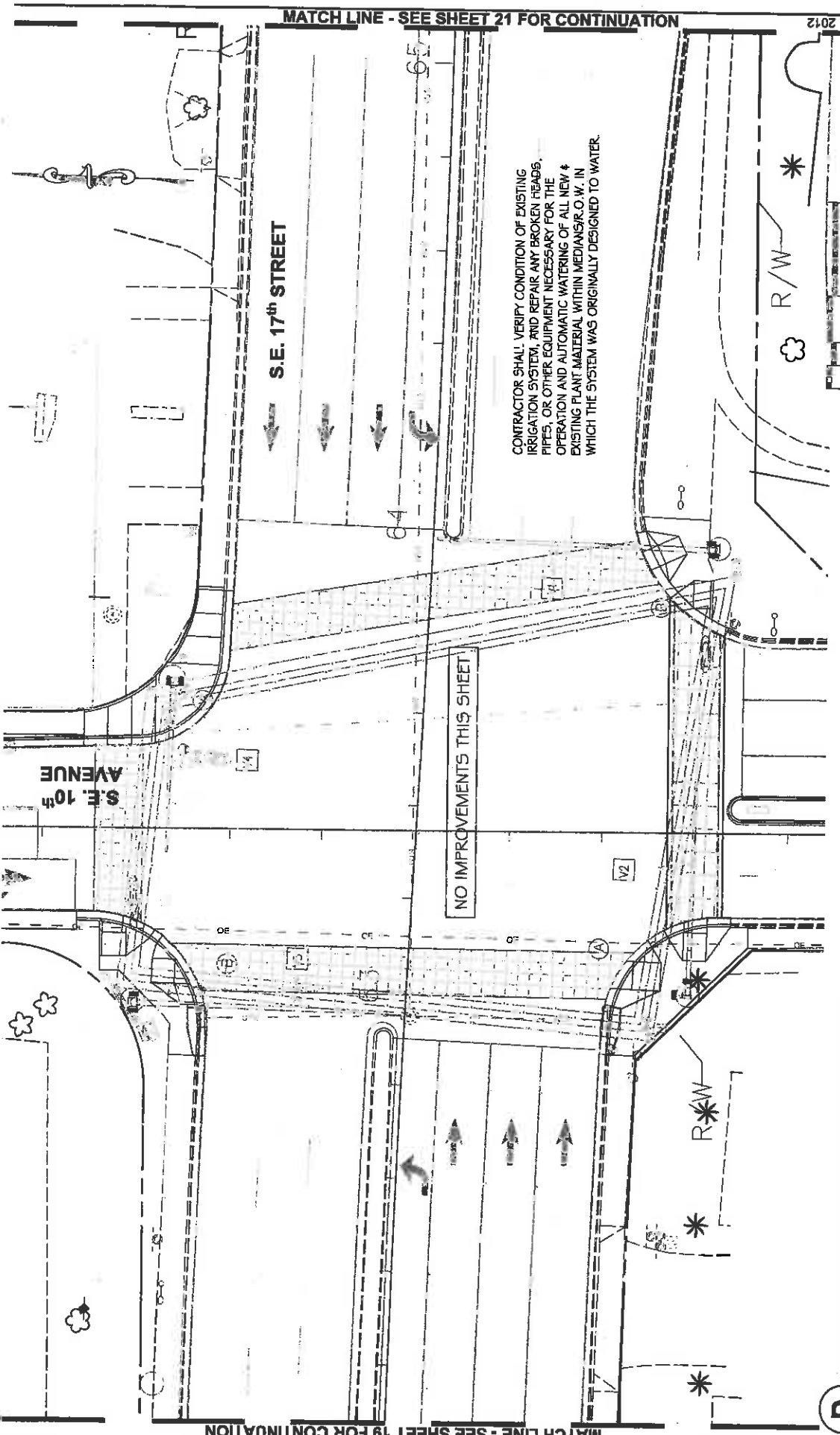
**C PARTIAL IRRIGATION PLAN**

DATE	DESCRIPTION	DATE	DESCRIPTION

LANGUAGE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A. LICENSE NO. 11111 Calvin, Gordon & Associates, Inc. EXCEPTIONAL SOLUTIONS 1440 West Dixie Blvd. 400, Fort Lauderdale, Florida 33309 Phone: (954) 341-1400 Fax: (954) 341-1401 Certificate of Accreditation LC0000039 URBANPLANNING.COM USDT: rmmendez		S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01	SHEET NO. 19 IRRIGATION PLAN
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NOV. 29, 2012



CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/R.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

NO IMPROVEMENTS THIS SHEET

**D PARTIAL IRRIGATION PLAN**

DATE	REVISIONS	DESCRIPTION	DATE

MICHAEL CONNER, P.E.

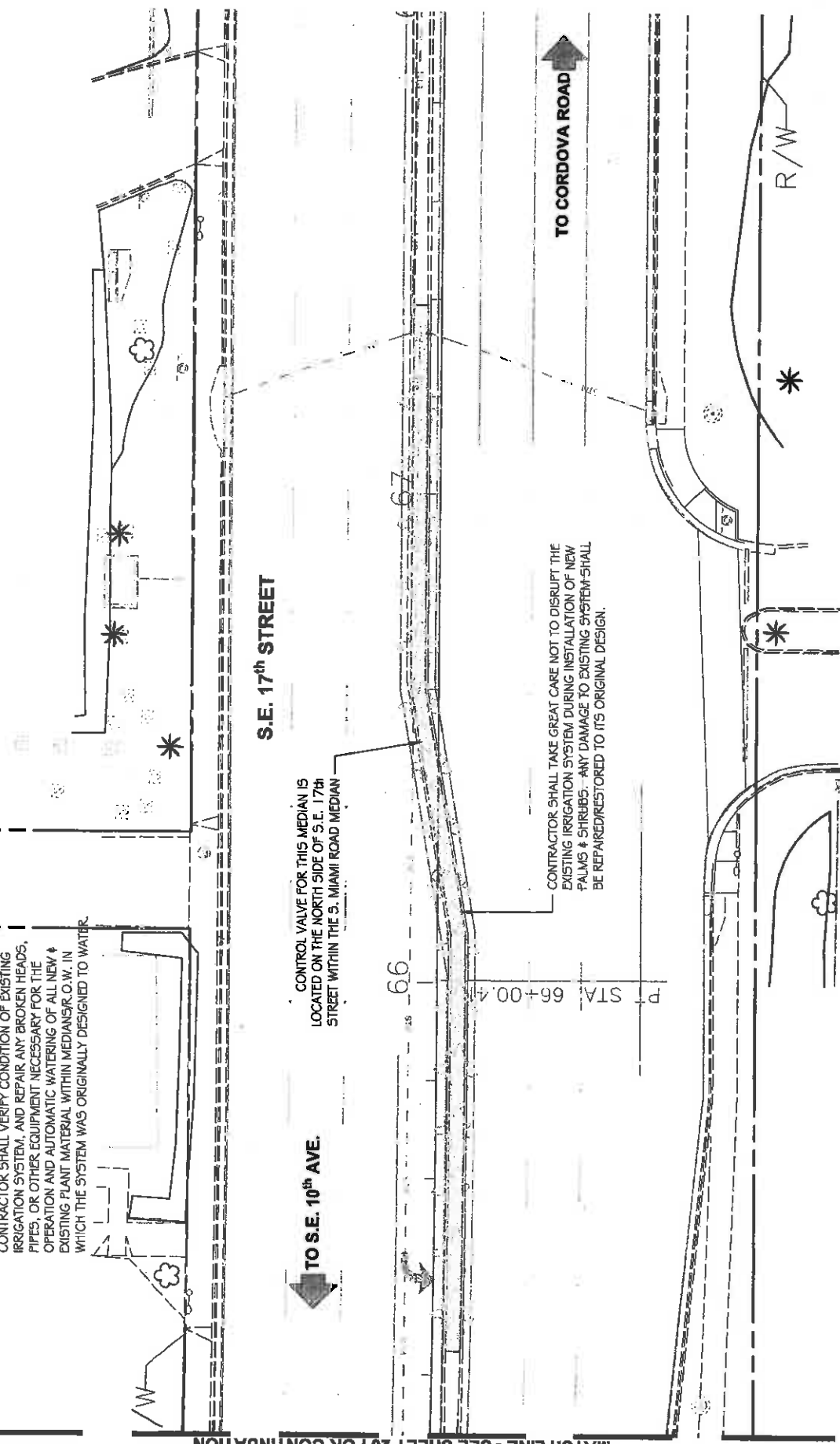
**S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT**  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01

**IRRIGATION PLAN**  
 SHEET NO. 20  
 11/28/12

NOV. 29, 2012

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CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS, O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.



MATCH LINE - SEE SHEET 20 FOR CONTINUATION

**E PARTIAL IRRIGATION PLAN**

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



<b>S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT</b>	
ROAD NO.	FINANCIAL PROJECT ID
A1A	431108-1-68-01
COUNTY	
BROWARD	

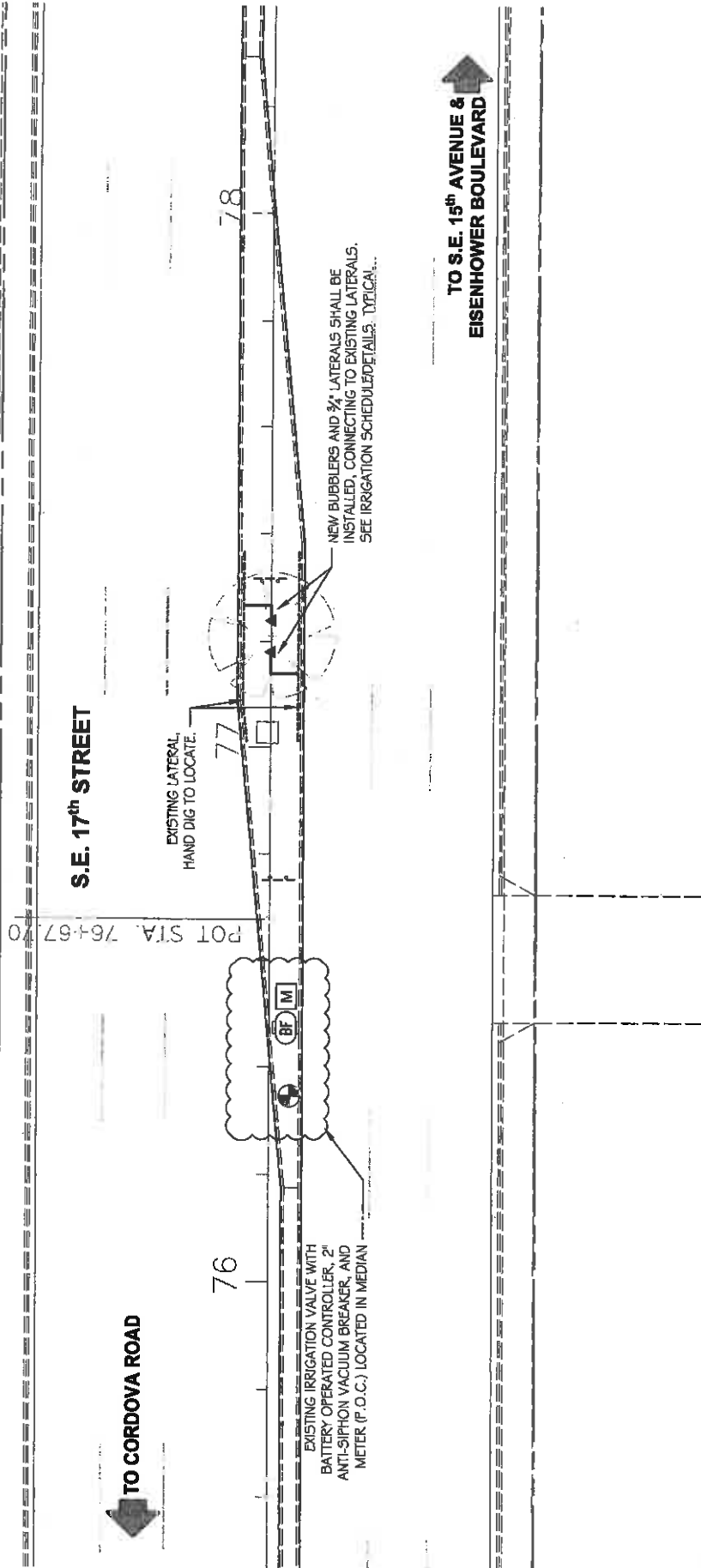
**IRRIGATION PLAN**

11-28-12

**SHEET NO. 21**

NOV. 29, 2012

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/SR.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.



NEW BUBBLERS AND 3/4" LATERALS SHALL BE INSTALLED, CONNECTING TO EXISTING LATERALS. SEE IRRIGATION SCHEDULE DETAILS, TYPICAL.

**F PARTIAL IRRIGATION PLAN**

1:20

DATE	REVISIONS	DESCRIPTION

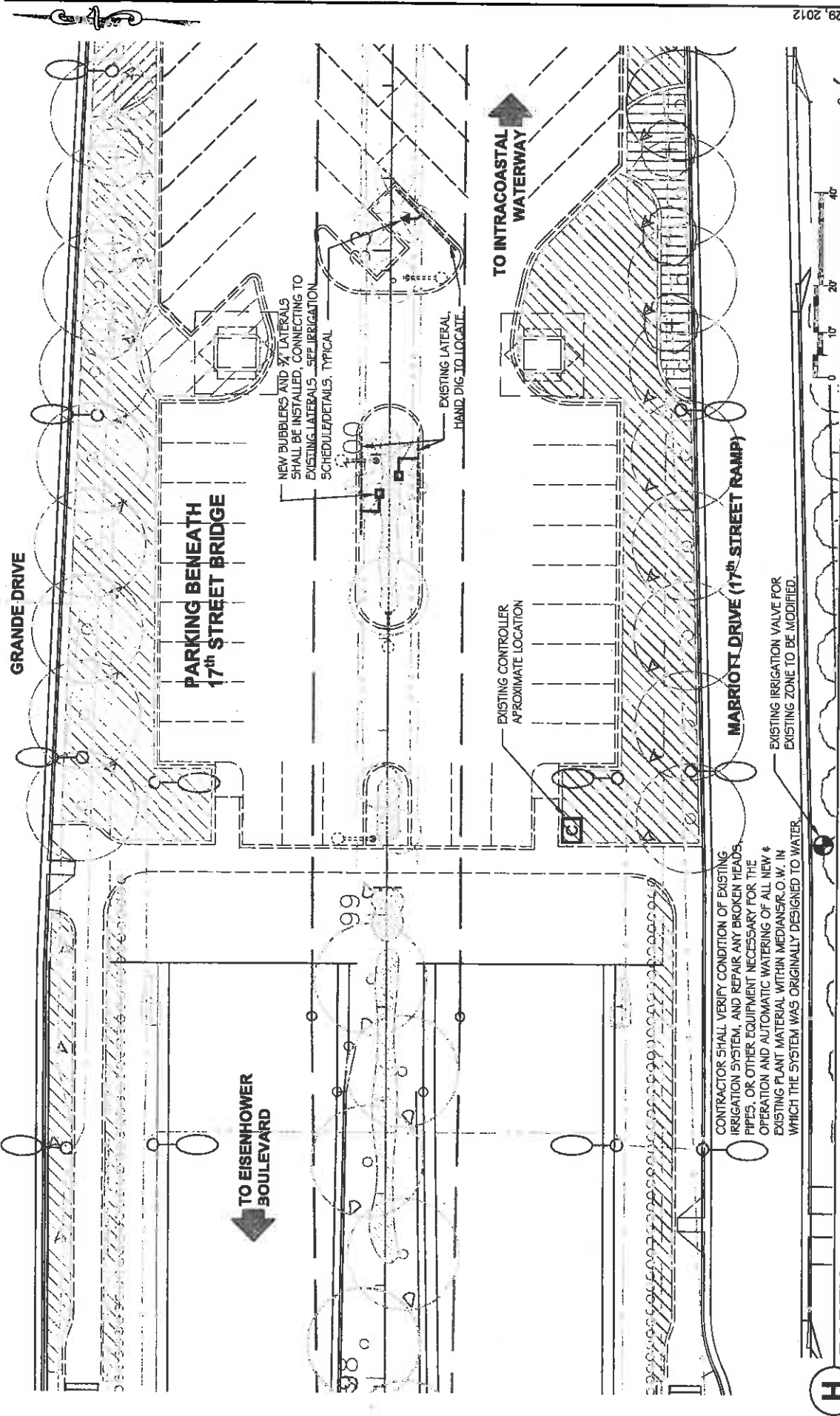


LICENSE NUMBER OF ENGINEER: MICHAEL LOMBER, P.E.  
 LICENSE NUMBER: 10168  
 State of Florida  
**Exceptional Solutions, Inc.**  
 10895 E. US Highway 1  
 Fort Lauderdale, Florida 33316  
 Phone: 954.413.1212  
 Fax: 954.413.1491  
 www.ExceptionalSolutions.com  
 Vendor ID No. 85098281

**S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT**  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01

**IRRIGATION PLAN - 11-29-12**  
**22**  
 SHEET NO.





CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/R.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

EXISTING IRRIGATION VALVE FOR EXISTING ZONE TO BE MODIFIED.

EXISTING LATERAL, HAND DIG TO LOCATE.

NEW BUBBLERS AND 3/4" LATERALS SHALL BE INSTALLED, CONNECTING TO EXISTING LATERALS - SEE IRRIGATION SCHEDULE/DETAILS, TYPICAL.

EXISTING CONTROLLER APPROXIMATE LOCATION

TO INTRACOASTAL WATERWAY

TO EISENHOWER BOULEVARD

GRANDE DRIVE

MARIOTTI DRIVE (17th STREET RAMP)

PARKING BENEATH 17th STREET BRIDGE

1:20

DATE	DESCRIPTION	REVISIONS

**H PARTIAL IRRIGATION PLAN**

LICENSED PROJECT OF RECORD: MARIOTTI DRIVE, S.W.A. PHASE 1A (17th STREET RAMP)  
**Calvin, Colorado & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1600 1/2 Mile 200, Fort Lauderdale, Florida 33316  
 (954) 571-1111  
 Certificate of Authorization License No. 20000299  
 USBR: mrmendoza 11/29/2012 3:03:48 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CADD Files\Drawings\125311-I100-IRRIGATION\_PLANS.dwg

**S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT**  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01  
**IRRIGATION PLAN**  
 SHEET NO. 23  
 DATE 11-29-12  
 13-0166 Exhibit 2 Page 33 of 65

MATCH LINE - SEE SHEET 25 FOR CONTINUATION

NOV. 29, 2012

ACCESS ROAD (17<sup>th</sup> STREET RAMP)

PARKING BENEATH  
17<sup>th</sup> STREET BRIDGE

EXISTING IRRIGATION VALVE FOR  
EXISTING ZONE TO BE MODIFIED.

TO INTRACOASTAL  
WATERWAY

EXISTING LATERAL  
HAND DIG TO LOCATE.

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING  
IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS,  
PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE  
OPERATION AND AUTOMATIC WATERING OF ALL NEW &  
EXISTING PLANT MATERIAL WITHIN MEDIAN/S/O.W. IN  
WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

NEW BUBBLERS AND 3/4" LATERALS  
SHALL BE INSTALLED, CONNECTING TO  
EXISTING LATERALS. SEE IRRIGATION  
SCHEDULE/DETAILS. TYPICAL

NEW BUBBLERS AND 3/4" LATERALS  
CONNECTING TO NEW ZONE - TYPICAL

TO S.E. 23<sup>rd</sup> AVENUE

ACCESS ROAD (17<sup>th</sup> STREET RAMP)

S.E. 17<sup>th</sup> STREET

3/4"

1:20

0 10 20 40

1 PARTIAL IRRIGATION PLAN

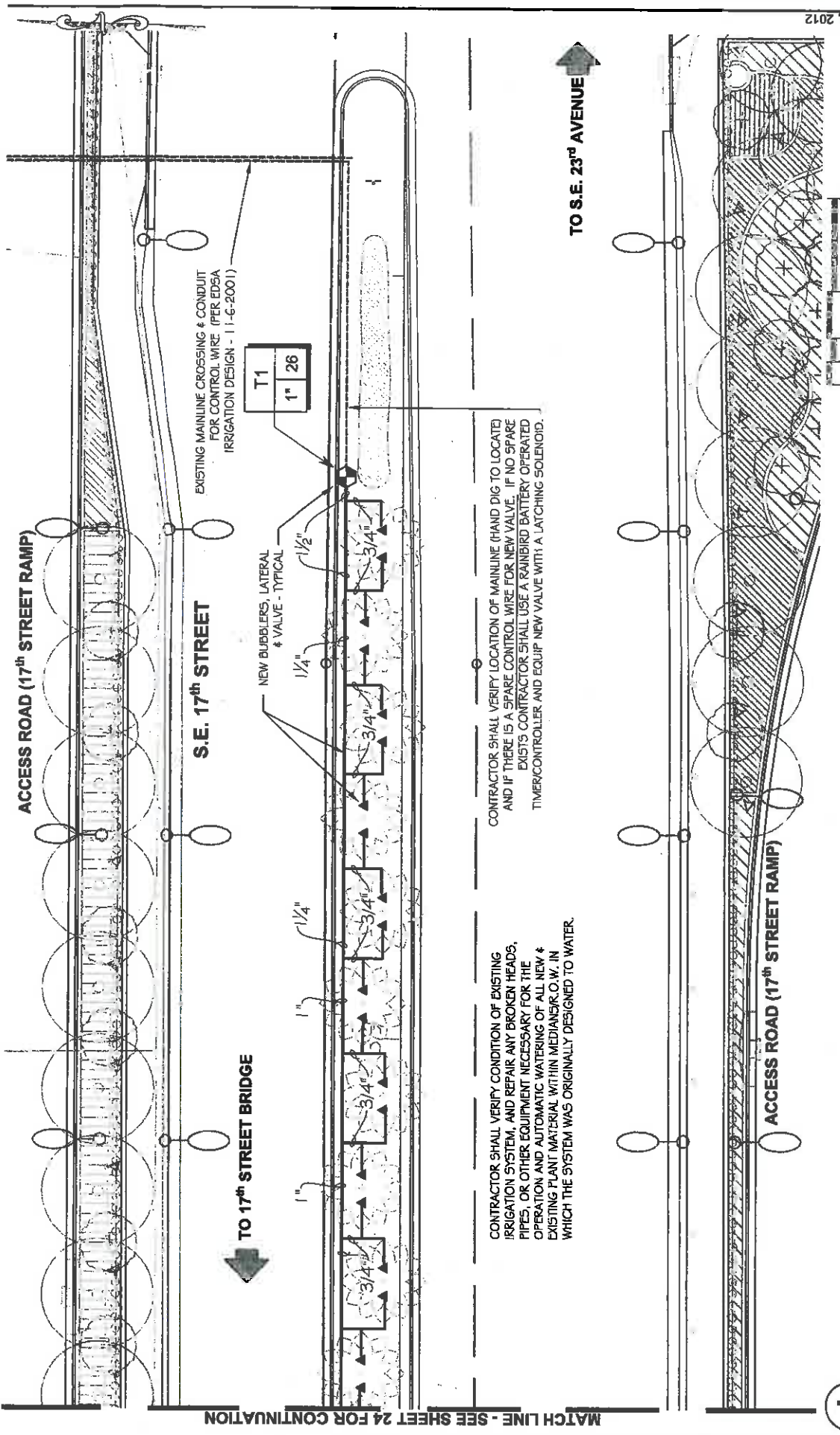
DATE	REVISIONS	DESCRIPTION

UNPUBLISHED PROJECT OF RECORD: 17 <sup>th</sup> STREET BRIDGE, N.W.A. 17 <sup>th</sup> STREET BRIDGE Calvin, Glorioso & Associates, Inc. EXCEPTIONAL SOLUTIONS 4800 Pine Drive, Suite 600, Fort Lauderdale, Florida 33309 Phone: (954) 571-1800 Fax: (954) 571-1801 Website: www.cga.com LICENSE NO. 130000000 USER: marenizaga		S.R. A1A (SE 17 <sup>th</sup> CAUSEWAY) BEAUTIFICATION GRANT
ROAD NO.	COURT	FINANCIAL PROJECT ID
A1A	BROWARD	431108-1-58-01

IRRIGATION PLAN 11-29-12 24
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MATCH LINE - SEE SHEET 24 FOR CONTINUATION

CONTRACTOR SHALL VERIFY LOCATION OF MAINLINE (HAND DIG TO LOCATE) AND IF THERE IS A SPARE CONTROL WIRE FOR NEW VALVE. IF NO SPARE EXIST'S CONTRACTOR SHALL USE A RAINBIRD BATTERY OPERATED TIMER/CONTROLLER AND EQUIP NEW VALVE WITH A LATCHING SOLENOID.

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/O.V. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

TO S.E. 23rd AVENUE

NOV. 29, 2012

REVISIONS	DATE	DESCRIPTION

**J PARTIAL IRRIGATION PLAN**

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-58-01	USER: mrmendoza 11/29/2012 3:50:08 PM P:\Projects\2012\125311 SE 17 ST Causeway Beautification Grant\CADD Files\Drawings\125311-11700-IRRIGATION_PLANS.dwg

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 SHEET NO. 25  
 IRRIGATION PLAN 11-24-12

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIANS/R.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

TO S.E. 23<sup>rd</sup> AVENUE

S.E. 17<sup>th</sup> STREET  
(SEABREEZE BLVD.)

CONTRACTOR SHALL COORDINATE WITH CITY OF FT. LAUDERDALE PARKS & REC. DEPARTMENT (CONTACT TIM SOUTHWY 954-828-5394) FOR WATERING CONTRACT OR TEMPORARY IRRIGATION BUBBLERS FOR NEWRELOCATED PALMS ON SOUTH SIDE OF S.E. 17<sup>th</sup> STREET.

TO MAYAN DRIVE

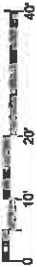
MATCH LINE - SEE SHEET 27 FOR CONTINUATION

CANAL

K

PARTIAL IRRIGATION PLAN

1:20



REVISIONS	DATE	DESCRIPTION



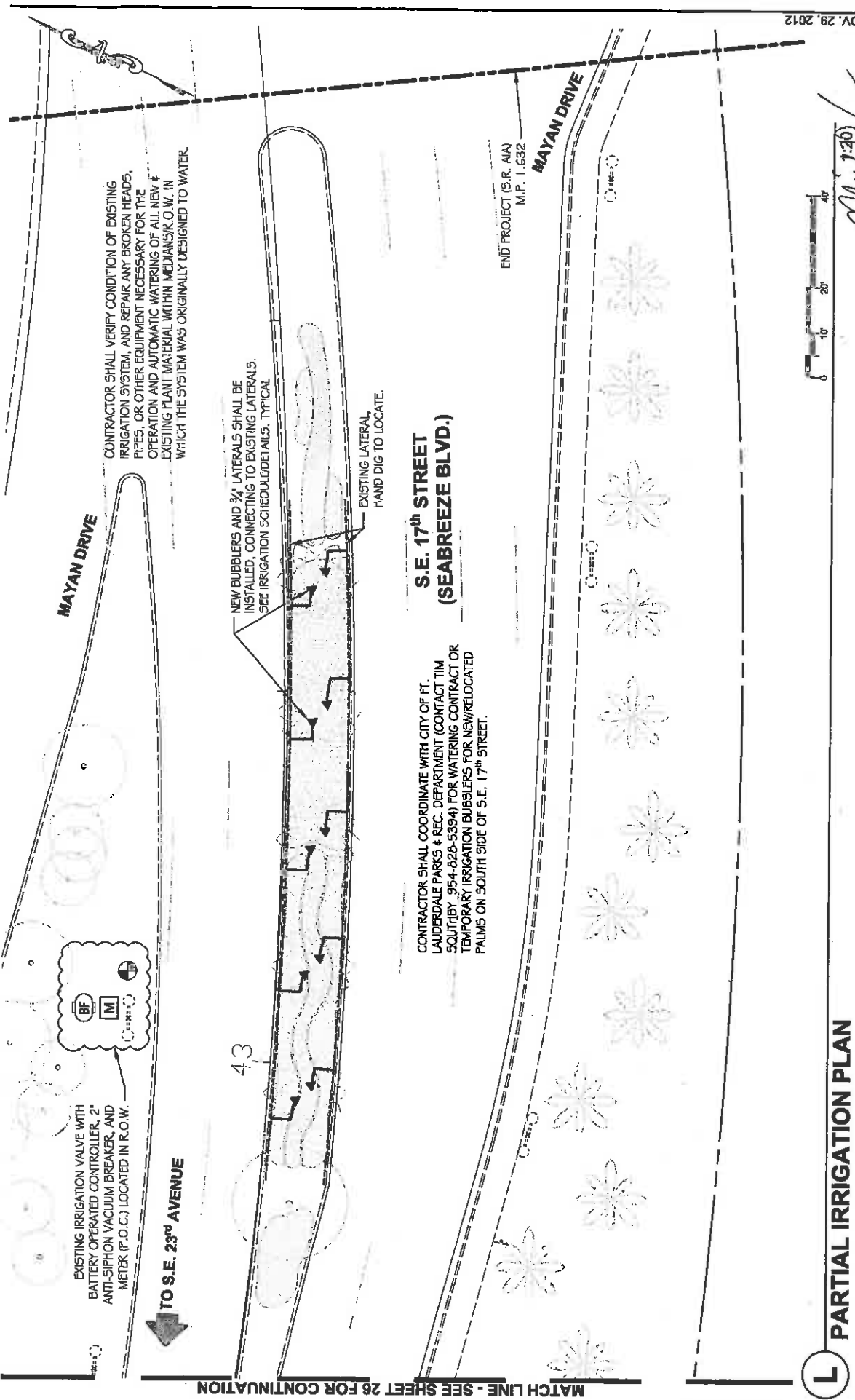
LANDSCAPE ARCHITECT OF RECORD: **EXCEPTIONAL SOLUTIONS, INC.**  
 1800 Blue Pine, Suite 600, Fort Lauderdale, Florida 33316  
 Phone: (954) 551-1187  
 Certificate of Accreditation: LC00020848  
 URSID: mmendoza

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	431108-1-58-01

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT

IRRIGATION PLAN

SHEET NO. 26



CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIPES, OR OTHER EQUIPMENT NECESSARY FOR THE OPERATION AND AUTOMATIC WATERING OF ALL NEW & EXISTING PLANT MATERIAL WITHIN MEDIAN/S.R.O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

NEW BUBBLERS AND 3/4" LATERALS SHALL BE INSTALLED, CONNECTING TO EXISTING LATERALS. SEE IRRIGATION SCHEDULE DETAILS, TYPICAL.

EXISTING LATERAL, HAND DIG TO LOCATE.

**S.E. 17th STREET  
(SEABREEZE BLVD.)**

CONTRACTOR SHALL COORDINATE WITH CITY OF FT. LAUDERDALE PARKS & REC. DEPARTMENT (CONTACT TIM SOUTHEY 954-828-5394) FOR WATERING CONTRACT OR TEMPORARY IRRIGATION BUBBLERS FOR NEWRELOCATED PALMS ON SOUTH SIDE OF S.E. 17th STREET.

END PROJECT (S.R. A1A)  
M.P. 1.632

MAYAN DRIVE

MAYAN DRIVE

TO S.E. 23rd AVENUE

MATCH LINE - SEE SHEET 26 FOR CONTINUATION

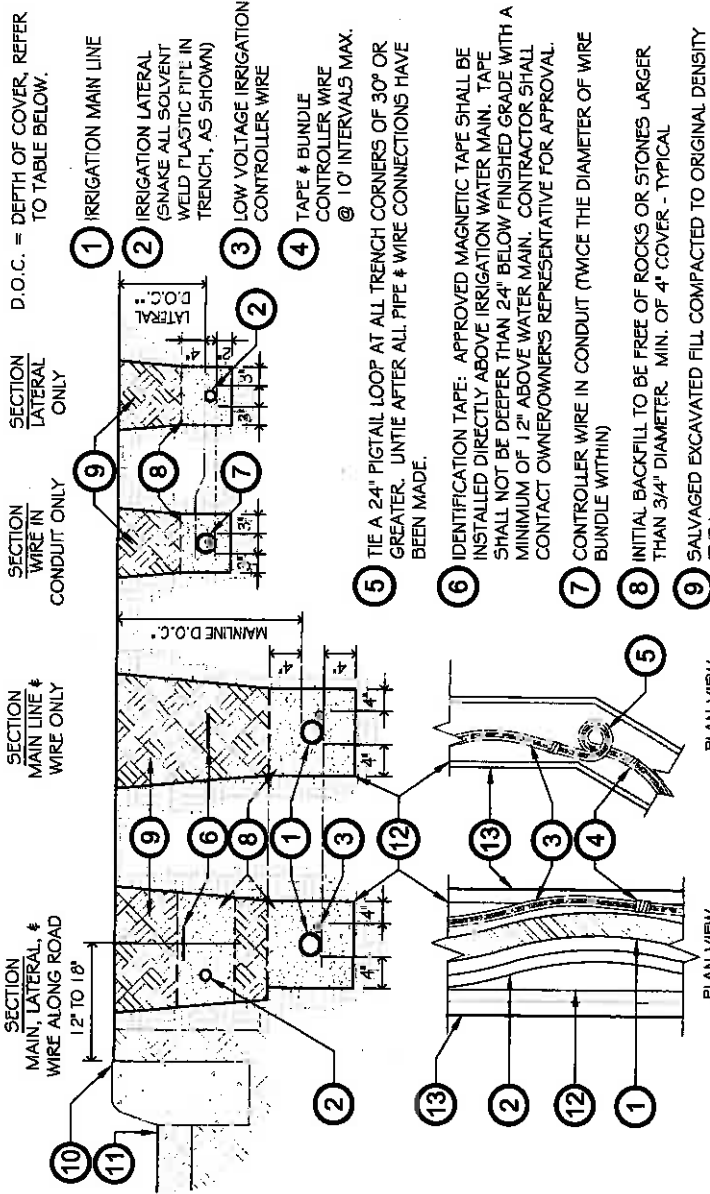
**L PARTIAL IRRIGATION PLAN**



DATE		DESCRIPTION		REVISIONS	
<small>UNUSUAL MEMBER OF RECORD: LUCAS GONZALEZ, R.L.A. License No. 1717 Cabin, Orlando &amp; Associates, Inc. EXCEPTIONAL SOLUTIONS 1000 NW 11th St., 1000 Fort Lauderdale, Florida 33309 (954) 333-1111 Contractor of Accreditation License 00000939 VERIFICATION NO. 06591-5000 USER: rmmendoza</small>					
S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT		FINANCIAL PROJECT ID		SHEET NO.	
ROAD NO. A1A		COUNTY BROWARD		NO. 27	
FINANCIAL PROJECT ID 431108-1-58-01		<p style="text-align: center;"><b>IRRIGATION PLAN 11-21-12</b></p> <p style="text-align: right;"><i>Mark P. K.</i></p>			

NOV. 29, 2012

# KEYNOTE SCHEDULE



PIPE SIZE (I.D.)	* MIN. DEPTH OF COVER FOR MAIN LINES		** MIN. DEPTH OF COVER FOR LATERAL LINES	
	NON-TRAFFIC AREAS	VEHICULAR TRAFFIC AREAS	NON-TRAFFIC AREAS	VEHICULAR TRAFFIC AREAS
3/4" TO 1 1/4"	18"	24"	12"	24"
1 1/2" TO 2"	18"	24"	18"	24"
2 1/2" TO 3"	30"	30"	18"	24"
4" TO 5"	30"	30"	24"	30"
6" AND LARGER	36"	36"	30"	36"

NOTE: ALL PIPE BENEATH PAVED SURFACES MUST BE SLEEVED: 3282-20/3282-21

## 1 TYPICAL IRRIGATION TRENCH DETAIL

N.T.S.

### SYMBOL

**3282-10**  
 IRRIGATION MAIN LINE  
 IRRIGATION LATERAL (SNAKE ALL SOLVENT WELD PLASTIC FIT' IN TRENCH, AS SHOWN)  
 LOW VOLTAGE IRRIGATION CONTROLLER WIRE  
 TAPE & BUNDLE CONTROLLER WIRE @ 10' INTERVALS MAX.  
 IDENTIFICATION TAPE: APPROVED MAGNETIC TAPE SHALL BE INSTALLED DIRECTLY ABOVE IRRIGATION WATER MAIN. TAPE SHALL NOT BE DEEPER THAN 24" BELOW FINISHED GRADE WITH A MINIMUM OF 12" ABOVE WATER MAIN. CONTRACTOR SHALL CONTACT OWNER/OWNERS REPRESENTATIVE FOR APPROVAL.  
 CONTROLLER WIRE IN CONDUIT (TWICE THE DIAMETER OF WIRE BUNDLE WITHIN)  
 INITIAL BACKFILL TO BE FREE OF ROCKS OR STONES LARGER THAN 3/4" DIAMETER. MIN. OF 4" COVER - TYPICAL  
 SALVAGED EXCAVATED FILL COMPACTED TO ORIGINAL DENSITY (TYP.)  
 BACK OF CURB (IN CASES WHERE NO CURB IS PRESENT CONTRACTOR SHALL KEEP MAIN LINE 12" - 18" FROM EDGE OF PAVEMENT)  
 PAVED VEHICULAR USE AREA  
 BOTTOM OF TRENCH  
 TOP OF TRENCH

### SYMBOL

**3282-20**  
 SLEEVE BELOW ALL HARDCAPE ELEMENTS (PAVED SURFACES, PRIVATE ROADS, WALKS, CONCRETE PADS, PAVERS, ETC.) WITH HOPE DR 1.1 SCH40 PVC OR PR200 PIPE, WHICH EVER HAS THE LARGEST WALL THICKNESS AT THE REQUIRED SLEEVE DIAMETER. (THE SLEEVE DIAMETER SHALL BE A MINIMUM OF TWO PIPE SIZES LARGER THAN THE DIAMETER OF THE PIPE OR THE WIRE BUNDLE TRAVELING WITHIN IT. THE MINIMUM SLEEVE SIZE SHALL BE 2" INSIDE DIAMETER).  
 ALL ROADWAY CROSSINGS IN EXISTING PAVEMENT SHALL BE DIRECTIONAL BORING, UNLESS WRITTEN PERMISSION HAS BEEN GRANTED FOR ROADWAY CUTTING.  
 ALL SLEEVES SHALL BE CAPPED WITH A PVC SCH. 40 SLEEVE CAP. USE DUCT TAPE TO SECURE IN PLACE AND KEEP JOINT CEMENT OUT. SPARE SLEEVES SHALL BE SEALED WITH PIPE JOINT CEMENT AND A PVC SCH. 40 SLEEVE CAP. IMMEDIATELY MARK SLEEVE LOCATION BY PLACING A 2" PVC SCH 40 PIPE (LENGTH EQUAL TO THE DEPTH OF COVER) VERTICALLY OVER SLEEVE END CAP WITH A YELLOW RAINBIRD 6300 PVC END CAP (FLUSH WITH FINISH GRADE & CEMENTED TO VERTICAL PVC PIPE).  
 ALL IRRIGATION SLEEVES WITHIN PUBLIC RIGHT-OF-WAYS SHALL BE INSTALLED AS PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS INDEX NO. 591-LANDSCAPE INSTALLATION SLEEVES, AND INDEX NO. 17721-CONDUIT INSTALLATION DETAILS.

### SYMBOL

**3282-21**  
 FLEXIBLE SWING PIPE ("FUNNY PIPE" OR OTHER APPROVED EQUAL RATED WITH A MIN. OF 80 PSI) SHALL ONLY BE USED WITH BUBBLERS, ROTARY SPRINKLERS, AND SPRAYS WITH FLOWS THAT DO NOT EXCEED 4 GALLONS PER MINUTE. DO NOT INSTALL ROTORS OR SPRAYS WITH FLOWS GREATER THAN 4 GPM WITH FLEXIBLE SWING PIPE. FLEXIBLE PIPE SHALL NOT EXCEED 18" IN LENGTH, AND ENTIRE SWING JOINT SHALL NOT HAVE MORE THAN TWO BARBED FITTINGS. CONTRACTOR SHALL INSTALL "FUNNY PIPE" IN SUCH A MANNER AS TO NOT BEND OR TWIST THE FLEXIBLE PIPE, WHEN NEEDED TURN ELLS TO ACHIEVE DESIRED SPRINKLER PLACEMENT. IF CONTRACTOR CANNOT PLACE SPRINKLER/SPRAY WITHOUT BENDING PIPE, THE USE OF A 3 OR 4 ELL SWING JOINT WITH PVC SHALL BE USED.

### SYMBOL

**3282-20**  
 FLEXIBLE SWING PIPE ("FUNNY PIPE" OR OTHER APPROVED EQUAL RATED WITH A MIN. OF 80 PSI) SHALL ONLY BE USED WITH BUBBLERS, ROTARY SPRINKLERS, AND SPRAYS WITH FLOWS THAT DO NOT EXCEED 4 GALLONS PER MINUTE. DO NOT INSTALL ROTORS OR SPRAYS WITH FLOWS GREATER THAN 4 GPM WITH FLEXIBLE SWING PIPE. FLEXIBLE PIPE SHALL NOT EXCEED 18" IN LENGTH, AND ENTIRE SWING JOINT SHALL NOT HAVE MORE THAN TWO BARBED FITTINGS. CONTRACTOR SHALL INSTALL "FUNNY PIPE" IN SUCH A MANNER AS TO NOT BEND OR TWIST THE FLEXIBLE PIPE, WHEN NEEDED TURN ELLS TO ACHIEVE DESIRED SPRINKLER PLACEMENT. IF CONTRACTOR CANNOT PLACE SPRINKLER/SPRAY WITHOUT BENDING PIPE, THE USE OF A 3 OR 4 ELL SWING JOINT WITH PVC SHALL BE USED.

### O.I. GENERAL

RAIN BIRD CORPORATION  
 6991 EAST SOUTHPOINT RD.  
 TUCSON, AZ 85756  
 1-800-724-6247  
 FAX (520) 741-6100  
 WWW.RAINBIRD.COM  
 32 EXTERIOR IMPROVEMENTS

DATE: \_\_\_\_\_ REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_

APPROVED ARCHITECT OF RECORD: MICHAEL COVER, P.L.L.C.  
 1000 N. CENTRAL AVENUE, SUITE 1000  
 CULLEN, GEORGIA 31516  
 FACETIONAL SOLUTIONS, INC.  
 1000 N. CENTRAL AVENUE, SUITE 1000  
 CULLEN, GEORGIA 31516  
 PROFESSIONAL ENGINEER  
 LICENSE NO. 10000  
 STATE OF GEORGIA  
 CONTRACTOR OF MECHANICAL INSTALLATIONS  
 LICENSE NO. 10000

S.R. A1A (SEE 17 ST CAUSEWAY)  
 BEAUTIFICATION GRANT  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 431108-1-68-01

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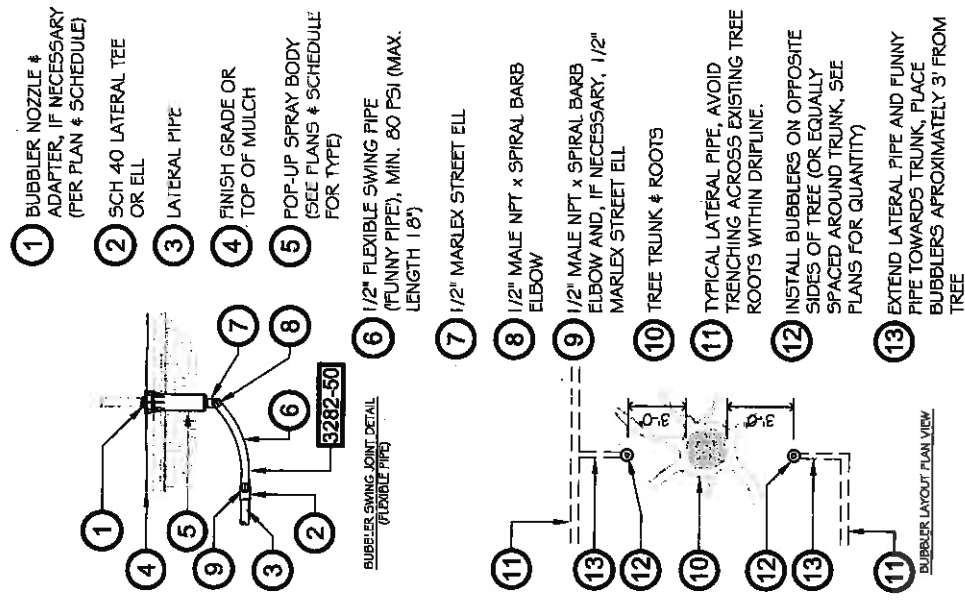
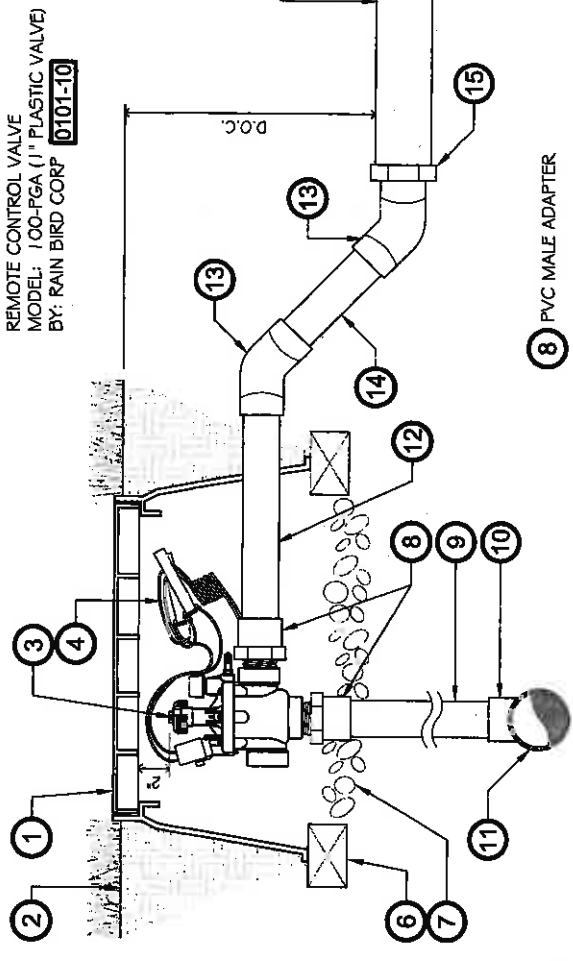
USBC: mmm66622

IRRIGATION DETAILS

SHEET NO. 28

*M. J. P. C.*

NOV 29, 2012



- 1 VALVE BOX & COVER (CARSON 1419-12)
- 2 FINISH GRADE
- 3 RAINBIRD PGA ANGLE REMOTE CONTROL VALVE MODEL NO. 100-FGA (SIZE PER PLAN)
- 4 CONTROL WIRES WITH 1/2" MIN. SERVICE COIL AND WATERPROOF WIRE SPLICE CONNECTORS
- 5 PVC LATERAL LINE, SIZE PER PLAN
- 6 CONTINUOUS BRICK SUPPORTS
- 7 GRAVEL (1 CU. FT.)
- 8 PVC MALE ADAPTER
- 9 PVC MAIN LINE, LENGTH AS REQUIRED
- 10 TEE OR ELBOW
- 11 MAIN LINE (TYP.)
- 12 OUTLET PIPE, SAME SIZE AS VALVE, 24" MIN. TO FIRST FITTING
- 13 45° ELBOW TYP.
- 14 PVC LATERAL LENGTH AS REQUIRED TO REACH LATERAL DEPTH OF COVER
- 15 INCREASE LATERAL LINE AS PER IRRIGATION PLANS

328406.13-1.1 **2** 1" ELECTRIC REMOTE CONTROL VALVE, ANGLE (1") N.T.S.

328403.56-01 **3** BUBBLER ON 4" POP-UP N.T.S.

NOV. 29, 2012 SHEET NO. 29

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

<b>S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT</b>	
ROAD NO.	A1A
COUNTY	BROWARD
FINANCIAL PROJECT ID	431108-1-68-01

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## EXHIBIT D

### FEDERAL AND/OR STATE FUNDED CONTRACTS

The administration of resources awarded by the Department to the **City of Fort Lauderdale** may be subject to audits and/or monitoring by the Department, as described in this section.

#### MONITORING

In addition to reviews of audits conducted in accordance with OMB Circular A-133 and Section 215.97, F.S., as revised (see "AUDITS" below), monitoring procedures may include, but not be limited to, on-site visits by Department staff, limited scope audits as defined by OMB Circular A-133, as revised, and/or other procedures. By entering into this agreement, the recipient agrees to comply and cooperate fully with any monitoring procedures/processes deemed appropriate by the Department. In the event the Department determines that a limited scope audit of the recipient is appropriate, the recipient agrees to comply with any additional instructions provided by the Department staff to **City of Fort Lauderdale** regarding such audit. **City of Fort Lauderdale** further agrees to comply and cooperate with inspections, review, investigations, or audits deemed necessary by the FDOT's Office of Inspector General (OIG) and Florida's Chief Financial Officer (CFO) or Auditor General.

#### AUDITS

##### PART I: FEDERALLY FUNDED

Recipients of federal funds (i.e. state, local government, or non-profit organizations as defined in OMB Circular A-133, as revised) are to have audits done annually using the following criteria:

1. In the event that the recipient expends \$500,000 or more in Federal awards in its fiscal year, the recipient must have a single or program-specific audit conducted in accordance with the provisions of OMB Circular A-133, as revised. This agreement indicates Federal resources awarded through the Department by this agreement. In determining the Federal awards expended in its fiscal year, the recipient shall consider all sources of Federal awards, including Federal resources received from the Department. The determination of amounts of Federal awards expended should be in accordance with the guidelines established by OMB Circular A-133, as revised. An audit of the recipient conducted by the Auditor General in accordance with the provisions OMB Circular A-133, as revised, will meet the requirements of this part.
2. In connection with the audit requirements addressed in Part I, paragraph 1., the recipient shall fulfill the requirements relative to auditee responsibilities as provided in Subpart C of OMB Circular A-133, as revised.
3. If the recipient expends less than \$500,000 in Federal awards in its fiscal year, an audit conducted in accordance with the provisions of OMB Circular A-133, as revised, is not required. However, if the recipient elects to have an audit conducted in accordance with the provisions of OMB Circular A-133, as revised, the cost of the audit must be paid from non-Federal resources (i.e., the cost of such an audit must be paid from recipient resources obtained from other than Federal entities).



4. Federal awards are to be identified using the Catalog of Federal Domestic Assistance (CFDA) title and number, award number and year, and name of the awarding federal agency.

## **PART II: STATE FUNDED**

Recipients of state funds (i.e. a nonstate entity as defined by Section 215.97(2)(l), Florida Statutes) are to have audits done annually using the following criteria:

1. In the event that the recipient expends a total amount of state financial assistance equal to or in excess of \$500,000 in any fiscal year, the recipient must have a State single or project-specific audit for such fiscal year in accordance with Section 215.97, Florida Statutes; applicable rules of the Department of Financial Services and the CFO; and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General. This agreement indicates state financial assistance awarded through the Department by this agreement. In determining the state financial assistance expended in its fiscal year, the recipient shall consider all sources of state financial assistance, including state financial assistance received from the Department, other state agencies, and other nonstate entities. State financial assistance does not include Federal direct or pass-through awards and resources received by a nonstate entity for Federal program matching requirements.
2. In connection with the audit requirements addressed in Part II, paragraph 1, the recipient shall ensure that the audit complies with the requirements of Section 215.97(7), Florida Statutes. This includes submission of a financial reporting package as defined by Section 215.97(2)(d), Florida Statutes, and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General.
3. If the recipient expends less than \$500,000 in state financial assistance in its fiscal year, an audit conducted in accordance with the provisions of Section 215.97, Florida Statutes, is not required. However, if the recipient elects to have an audit conducted in accordance with the provisions of Section 215.97, Florida Statutes, the cost of the audit must be paid from the nonstate entity's resources (i.e., the cost of such an audit must be paid from the recipient's resources obtained from other than State entities).
4. State awards are to be identified using the Catalog of State Financial Assistance (CSFA) title and number, award number and year, and name of the state agency awarding it.

## **PART III: OTHER AUDIT REQUIREMENTS**

The recipient shall follow up and take corrective action on audit findings. Preparation of a summary schedule of prior year audit findings, including corrective action and current status of the audit findings is required. Current year audit findings require corrective action and status of findings.

Records related to unresolved audit findings, appeals, or litigation shall be retained until the action is completed or the dispute is resolved. Access to project records and audit work papers shall be given to the FDOT, the Department of Financial Services, and the Auditor General. This section does not limit the authority of the Department to conduct or arrange for the conduct of additional audits or evaluations of state financial assistance or limit the authority of any other state official.

#### PART IV: REPORT SUBMISSION

1. Copies of reporting packages for audits conducted in accordance with OMB Circular A-133, as revised, and required by PART I of this agreement shall be submitted, when required by Section .320 (d), OMB Circular A-133, as revised, by or on behalf of the recipient directly to each of the following:

- A. The Department at the following address:

**Florida Department of Transportation  
3400 W. Commercial Blvd.  
Ft. Lauderdale, FL 33309  
Karen Maxon, District Single Audit Liaison**

- B. The Federal Audit Clearinghouse designated in OMB Circular A-133, as revised (the number of copies required by Sections .320 (d)(1) and (2), OMB Circular A-133, as revised, should be submitted to the Federal Audit Clearinghouse), at the following address:

**Federal Audit Clearinghouse  
Bureau of the Census  
1201 East 10<sup>th</sup> Street  
Jeffersonville, IN 47132**

- C. Other Federal agencies and pass-through entities in accordance with Sections .320 (e) and (f), OMB Circular A-133, as revised.

2. In the event that a copy of the reporting package for an audit required by PART I of this agreement and conducted in accordance with OMB Circular A-133, as revised, is not required to be submitted to the Department for reasons pursuant to Section .320 (e)(2), OMB Circular A-133, as revised, the recipient shall submit the required written notification pursuant to Section .320 (e)(2) and a copy of the recipient's audited schedule of expenditures of Federal awards directly to the following:

**Florida Department of Transportation  
3400 W. Commercial Blvd.  
Ft. Lauderdale, FL 33309  
Karen Maxon, District Single Audit Liaison**

In addition, pursuant to Section .320 (f), OMB Circular A-133, as revised, the recipient shall submit a copy of the reporting package described in Section .320 (c), OMB Circular A-133, as revised, and any management letters issued by the auditor, to the Department at the following address:

**Florida Department of Transportation  
3400 W. Commercial Blvd.  
Ft. Lauderdale, FL 33309  
Karen Maxon, District Single Audit Liaison**

3. Copies of financial reporting packages required by PART II of this agreement shall be submitted by or on behalf of the recipient directly to each of the following:
  - A. The Department at the following address:  
  
**Florida Department of Transportation  
3400 W. Commercial Blvd.  
Ft. Lauderdale, FL 33309  
Karen Maxon, District Single Audit Liaison**
  - B. The Auditor General's Office at the following address:  
  
**Auditor General's Office  
Room 401, Pepper Building  
111 West Madison Street  
Tallahassee, Florida 32399-1450**
4. Copies of reports or the management letter required by PART III of this agreement shall be submitted by or on behalf of the recipient directly to:
  - A. The Department at the following address:  
  
**Florida Department of Transportation  
3400 W. Commercial Blvd.  
Ft. Lauderdale, FL 33309  
Karen Maxon, District Single Audit Liaison**
5. Any reports, management letter, or other information required to be submitted to the Department pursuant to this agreement shall be submitted timely in accordance with OMB Circular A-133, Florida Statutes, and Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General, as applicable.
6. Recipients, when submitting financial reporting packages to the Department for audits done in accordance with OMB Circular A-133 or Chapters 10.550 (local governmental entities) or 10.650 (nonprofit and for-profit organizations), Rules of the Auditor General, should indicate the date that the reporting package was delivered to the recipient in correspondence accompanying the reporting package.

## **PART V: RECORD RETENTION**

1. The recipient shall retain sufficient records demonstrating its compliance with the terms of this agreement for a period of at least five years from the date the audit report is issued, and shall allow the Department, or its designee, CFO, or Auditor General access to such records upon request. The recipient shall ensure that audit working papers are made available to the Department, or its designee, CFO, or Auditor General upon request for a period of at least five years from the date the audit report is issued, unless extended in writing by the Department.

**EXHIBIT E**

**AUTHORIZATION:** SECTION 339.24 & 339.205, Florida Statutes

**FEDERAL and/or STATE** resources awarded to the recipient pursuant to this agreement should be listed below. If the resources awarded to the recipient represent more than one Federal or State program, provide the same information for each program and the total resources awarded. **Compliance Requirements** applicable to each State program should also be listed below. If the resources awarded to the recipient represent more than one program, list applicable compliance requirements for each program in the same manner as shown here:

**STATE RESOURCES**

Agency: City of Fort Lauderdale

FM#:431108-1-58-01

<u>State Agency</u>	<u>Catalog of State Financial Assistance (Number &amp; Title)</u>	<u>Amount</u>
FDOT 55.023	State Highway Project Reimbursement (Department of Transportation)	\$180,000.00

**Compliance Requirement:** In developing audit procedures to test compliance with the requirements for a state project, the auditor should first look to Part Two, Matrix of Compliance Requirements, to identify which of the 10 types of compliance requirements described in Part Three of the Compliance Supplement are applicable and then look to Parts Three and Four for the details of the requirements.

**Activities Allowed:** Under the terms of the Highway Beautification Grant Agreement allowable activities include:

- Installation of landscaping on the highway facility as specified in the landscape plan in conformance with Rule 14-40.003, Florida Administrative Code, and the "Florida Highway Landscape Guide". Any deviation from the approved landscape plan requires the approval of the Department; (Agreement Provision 1)
- Maintenance of the landscaping within the median and areas outside the travel way within the right of way line in accordance with the Landscape Maintenance Plan included in the agreement and consistent with the requirements of Rule 14-40.003(5), Florida Administrative Code. Any deviation from the Landscape Maintenance Plan requires the written approval of the Department; and (Agreement Provision 2)
- Landscape installation and maintenance activities that are in accordance with the Maintenance of Traffic Plan included in the agreement and Rule 14.003, Florida Administrative Code. (Agreement Provision 3)

- Allowable Costs:** Grants provide for the costs of purchase and installation of a sprinkler system, the cost of plant materials and fertilizer, and may provide for the costs for labor associated with the installation of the plantings. Each recipient that receives a grant is responsible for any costs for water, for the maintenance of the sprinkler system, for the maintenance of the landscaped areas in accordance with a maintenance agreement with the Department, and, except as otherwise provided in the grant, for any costs for labor associated with the installation of the plantings. (Section 339.2405(11), Florida Statutes)
- Cash Management:** See Part Three.
- Matching:** A 50 percent or more of like-kind match by the recipient is encouraged.
- Period of Availability:** Grant recipients have one year from date of grant award letter to complete landscape plans and execute necessary agreements.

**EXHIBIT F**

**Amendment Number Five (5) City of Fort Lauderdale Landscape  
Inclusive Maintenance Memorandum of Agreement**

**SECTION NO:** 86180  
**S.R. NO.(S):** A1A  
**COUNTY:** Broward  
**FM NO.(S):** 431108-1-58-01

**DISTRICT FOUR (4) AMENDMENT # FIVE (5)  
TO STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
CITY OF FORT LAUDERDALE LANDSCAPE  
INCLUSIVE MEMORANDUM OF AGREEMENT**

This is Amendment Number Five (5) to the Agreement dated January 31, 2008, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_ by and between the State of Florida Department of Transportation hereinafter called the **DEPARTMENT** and the City of Fort Lauderdale, a municipal subdivision of the State of Florida, hereinafter called the **AGENCY**.

WHEREAS, the parties entered into the Inclusive Landscape Maintenance Agreement dated January 31, 2008 for the purpose of maintaining the landscape improvements by the **AGENCY** on various State Road(s) including State Road A1A and

WHEREAS, the **DEPARTMENT** and the **AGENCY** have agreed to add additional landscape improvements to be installed on State Road A1A in accordance with the above referenced Agreement;

NOW THEREFORE, for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:

1. Pursuant to paragraph 14 of the Inclusive Agreement for State Road A1A dated January 31, 2008 the **AGENCY** has decided to construct additional landscape improvements or to modify an improvement located as indicated in Exhibit A State Road A1A (S.E. 17th Street Causeway) from State Road 5 (US 1) (M.P. 0.000) to Mayan Drive (M.P. 1.632) in accordance with the plans attached as Exhibit B.
2. The **AGENCY** shall agree to maintain the landscape improvements in the Inclusive Agreement described above and as provided in accordance with the Maintenance Plan, attached as Exhibit C.
3. The **AGENCY** agrees to enter into a contract to have installed said landscape improvements for an amount as indicated in Exhibit D not to exceed **\$180,000.00**.
4. This Amendment Number Five (5) shall also add the Maintenance Memorandum of Agreement for State Road A1A (N.E. 17th Street Causeway) from West of US 1 to Cordova Road (M.P. 0.311), Resolution No. 05-224 dated December 20, 2005 and executed March 20, 2006 to the list of agreements that are superseded in Exhibit E of the original Inclusive Agreement for State Road A1A dated January 31, 2008.

5. This Amendment shall also add the Letter of Commitment dated, November 26, 2008 for Permit Number 08K-491-0132, located along State Road A1A (North Atlantic Boulevard) from Bayshore Drive (M.P.2.64) to Riomar Street (M.P.2.71) for Specialty Pavers. Permit No. 08-K-491-0132, at the Capri at Fort Lauderdale Beach as attached as Exhibit E.

6. E-VERIFY REQUIREMENTS

AGENCY shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;

- (1) Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Agency during the term of the contract; and
- (2) Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Agency term.

Except as modified by this amendment, all terms and conditions of the Agreement shall remain in full force and effect.

**Exhibits**

Exhibit A - LANDSCAPE IMPROVEMENTS LIMITS AND MAINTENANCE BOUNDARIES

Exhibit B - LANDSCAPE IMPROVEMENT PLANS

Exhibit C - MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS

Exhibit D - APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS

Exhibit E - PERMIT COMMITMENT LETTER

In Witness whereof, the parties hereto have executed with this Amendment effective the \_\_\_\_ day \_\_\_\_\_ year written and approved.



**IN WITNESS WHEREOF**, this Agreement is to be executed below for the purposes specified herein. Authorization has been given to enter into and execute this Agreement by Resolution No. \_\_\_\_\_, hereto attached.

WITNESSES:

CITY OF FORT LAUDERDALE

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

By: \_\_\_\_\_  
JOHN 'JACK' SEILER, Mayor

By: \_\_\_\_\_

\_\_\_\_\_  
LEE R. FELDMAN, City Manager

(SEAL)

ATTEST:

\_\_\_\_\_  
JONDA K. JOSEPH, City Clerk

Approved as to Form:

\_\_\_\_\_  
Assistant City Attorney

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
By: \_\_\_\_\_  
Director of Transportation Development

\_\_\_\_\_  
Date

Attest: \_\_\_\_\_ (SEAL)  
Executive Secretary

Approved as to Form

\_\_\_\_\_  
Office of the General Counsel

\_\_\_\_\_  
Date

SECTION NO: 86180  
S.R. NO.(S): A1A  
COUNTY: Broward  
FM NO.(S): 431108-1-58-01

## EXHIBIT A

### LANDSCAPE IMPROVEMENTS LIMITS AND MAINTENANCE BOUNDARIES

**I. LOCATION OF ADDITIONAL LIMITS OF LANDSCAPE MAINTENANCE:**

State Road A1A (S.E. 17th Street Causeway) from State Road 5  
(US 1) (M.P. 0.00) to Mayan Drive (M.P. 1.632)

**II. INCLUSIVE LIMITS OF LANDSCAPE IMPROVEMENTS MAINTENANCE  
FOR THE ROADWAY:**

State Road A1A: From State Road 5 (US 1) (M.P. 0.000) (Section  
86180000) (US 1) to Flamingo Avenue (M.P. 6.410) (Section 860500000)

**By Individual Sections:**

**Southbound One Way (section 86050100):**  
M.P. (0.000) (Seville Street) to (M.P. 0.926) (Bahia Mar Hotel Entrance)

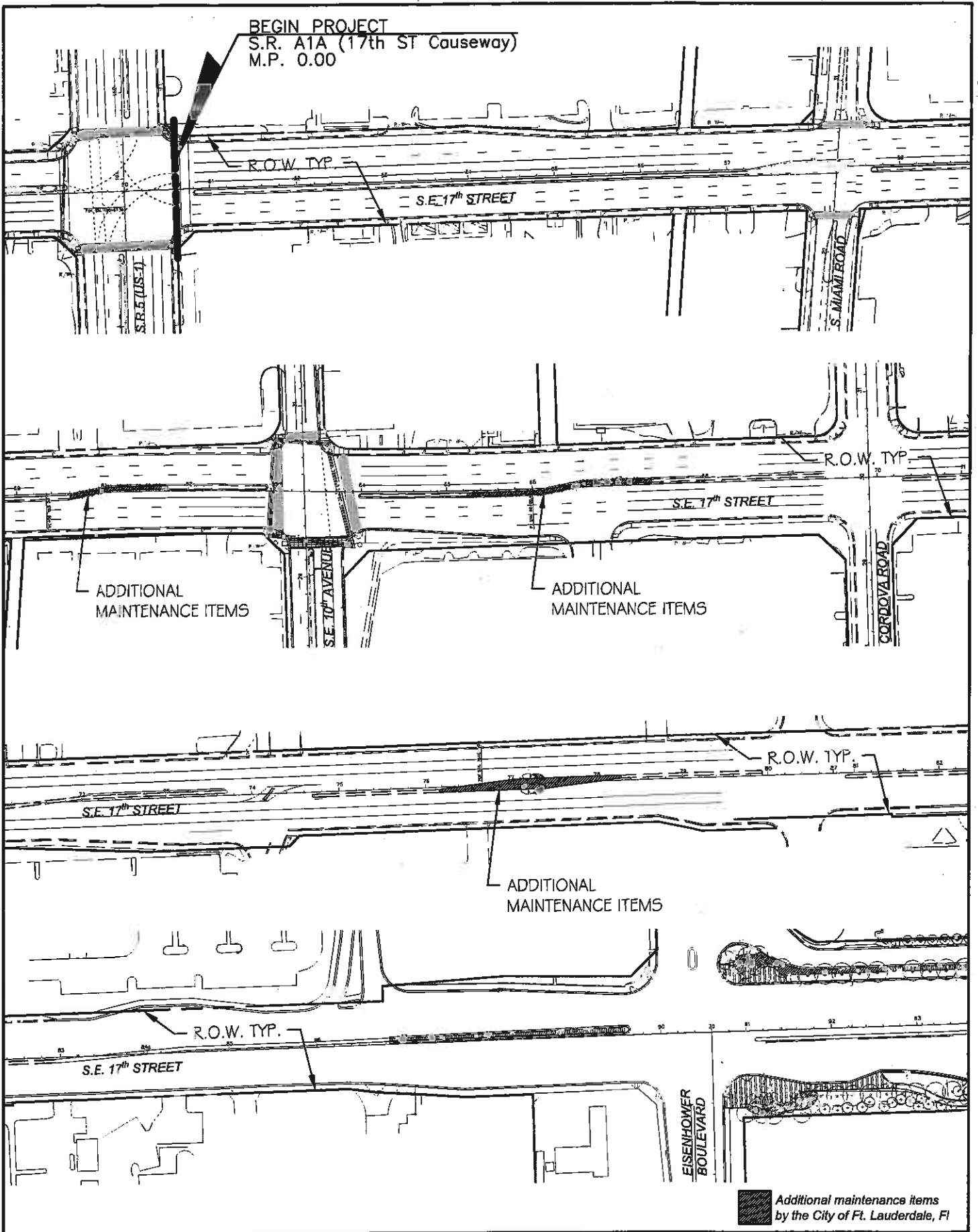
**Northbound One Way / Seabreeze Boulevard / 17th Street Causeway  
(Section 8618000)**  
(M.P. 0.000) State Road 5 (US 1) to (M.P. 2.964) (State Road 842) (Las  
Olas Boulevard)

**North Fort Lauderdale Beach Area (Section 86050000):**  
(M.P. 2.039) (south of Poinsettia Street) to (M.P. 6.410) (Flamingo Dive)

**III. LANDSCAPE IMPROVEMENTS MAINTENANCE MAP FOR THIS  
ROADWAY PROJECT:**

**(All maintenance boundaries of original agreement apply)**

***Please See Attached***



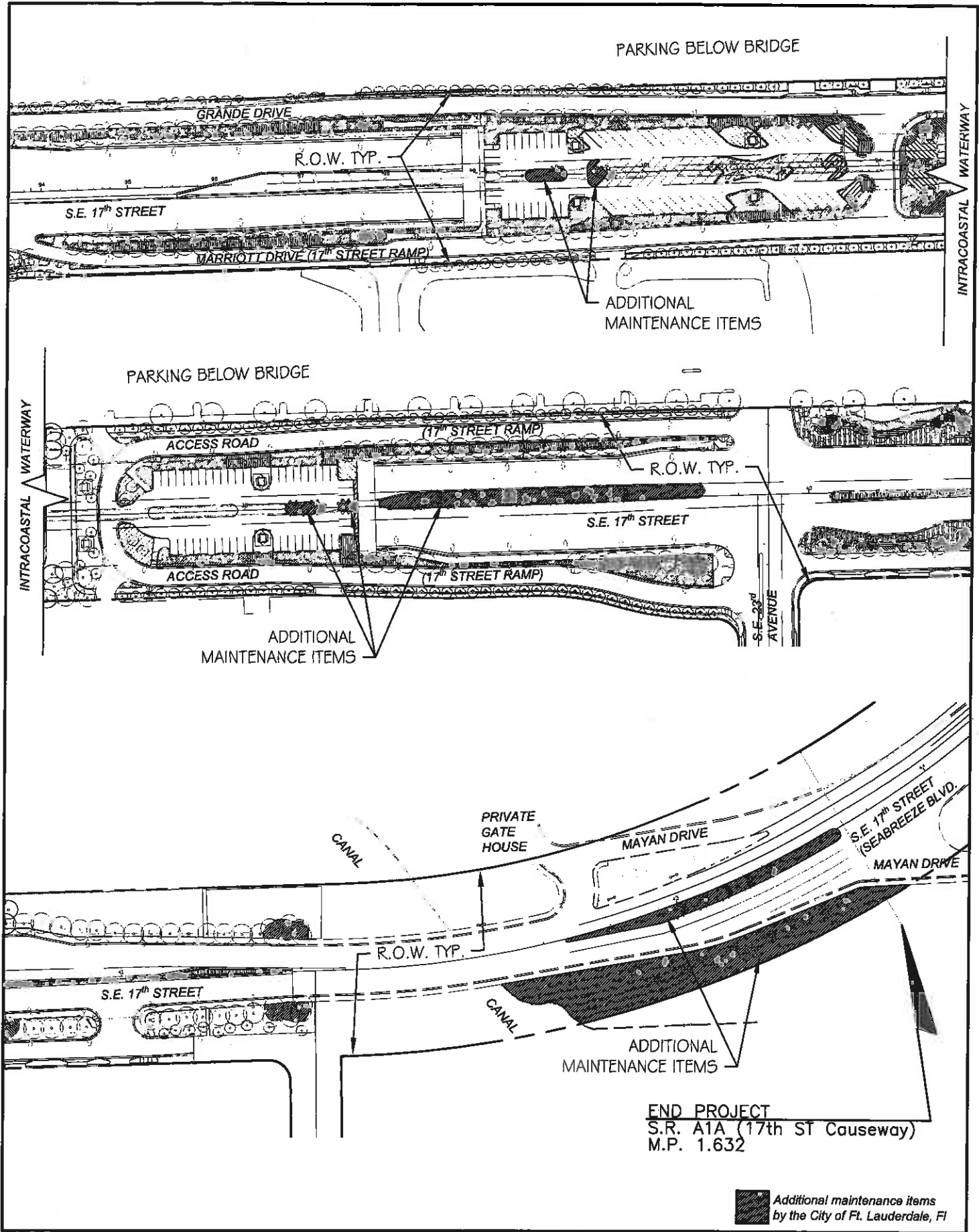
**ADDITIONAL MAINTENANCE ITEMS PLAN**  
**S.R. A1A (17<sup>th</sup> CAUSEWAY)**  
 FROM S.R. 5 (FEDERAL HIGHWAY - M.P. 0.00) TO MAYAN DR. (M.P. 1.632)

**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

F.P.I.: 4311089168-01

Exhibit 2

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**ADDITIONAL MAINTENANCE ITEMS PLAN**  
**S.R. A1A (17<sup>th</sup> CAUSEWAY)**  
 FROM S.R. 5 (FEDERAL HIGHWAY - M.P. 0.00) TO MAYAN DR. (M.P. 1.632)

**STATE OF FLORIDA**  
**DEPARTMENT OF TRANSPORTATION**

F.P.I.: 431108-1-98-01  
 Exhibit 2  
 Page 52 of 65

**SECTION NO:** 86180  
**S.R. NO.(S):** A1A  
**COUNTY:** Broward  
**FM NO.(S):** 431108-1-58-01

**EXHIBIT B**

**LANDSCAPE IMPROVEMENT PLANS**

**The Department agrees to install the Project in accordance with the plans and specifications attached hereto and incorporated herein.**

**Please see attached plans prepared by: Calvin, Giordano & Associates, Inc.  
Michael Conner, RLA**

**Dated: November 29, 2012**

**SECTION NO:** 86180  
**S.R. NO.(S):** A1A  
**COUNTY:** Broward  
**FM NO.(S):** 431108-1-58-01

**EXHIBIT C**

**MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS**

**This Exhibit forms an integral part of the DISTRICT FOUR (4) Amendment to the HIGHWAY MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.**

**Dated: November 29, 2012**

# MAINTENANCE PLAN

## Landscape Improvements

**Project State Road No(s):** S.R. A1A (17<sup>th</sup> Street Causeway)  
**Project Limits:** From S.R.5 (M.P.-0.00) to Mayan Drive (M.P.-1.632)  
**FM No(s):** 431108-1-58-01  
**Maintaining Agency:** City of Ft. Lauderdale, Fl.  
**RLA of Record:** Michael D. Conner (LA0001181)  
**Date:** November 29, 2012

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### **I. General Maintenance Requirements and Recommendations:**

The purpose of a plan for the landscape improvements maintenance practices is to allow the plant material on your project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving our natural resources. Plantings and all other landscape improvements shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: *FDOT Design Standards*, *FDOT Plans Preparation Manual Vol. I, Chapter 2.11* and *FDOT Standard Specifications for Road and Bridge Construction*, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer. The initial portion of the Maintenance Plan describes general maintenance requirements and recommendations. The concluding section provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.

### **Watering Requirements:**

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

### **Irrigation System:**

The Agency shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

**Integrated Plant Management:**

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Establishment of an integrated pest management program is encouraged to ensure healthy plants, which are free of disease and pests.

**Mulching:**

Mulch planting beds in such a manner as to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Avoid mulch mounded up on the trunks of trees, palms, and the base of shrubs to encourage air movement in this area which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

**Pruning:**

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to specific pruning heights maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards, all palms are to be kept fruit free. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants are noted on the plans (See Exhibit B) and see Part II. Specific Requirements and Recommendations for guidelines. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be maintained at a height in compliance with *FDOT Design Standards Index 546, Page 6 of 6, Window Detail*. Vertical tree heights must meet *FDOT Maintenance Rating Program (MRP)* standards.

**Staking and Guying:**

All staking materials, except for replacements, are to be removed by the completion of FDOT warranty period or at one year (whichever comes first). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Design Standards* guidelines (See Index 544). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

**Turf Mowing:**

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT Maintenance Rating Program (MRP)*.

**Litter Control:**

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program (MRP)* standards.



**Weeding/Herbicide:**

All planting areas shall be maintained as weed free as practicable by enlisting integrated pest management practices in areas specified on the plans and maintaining proper mulch levels. Extreme care is recommended if using a chemical herbicide to avoid overspray onto plant materials. It is the applicator's responsibility to restore any damage, resulting from overspray to the plantings, per the approved plans.

**Plant Replacement:**

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumer Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a general use permit is required from FDOT for approval by the FDOT District Landscape Architect.

**Hardscape (Patterned Pavement):**

All tree grates and patterned pavement (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Guide Specifications for Pavers on an Aggregate Base, Section 23 14 13 Interlocking Concrete Pavers, Part 3.05*. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

**Hardscape (Non-Standard Travelway Surfacing):**

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement (if applicable), caused or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right-of-way within the limits of this Agreement. Pavement restoration areas or "patches" will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair and replacement of the sign panel, post, and base.

**Hardscape (Landscape Accent Lighting)**

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan. Landscape lighting shall meet requirements for the sea turtle nesting and hatching.

**Maintenance of Traffic Control**

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

**Vegetation Management at Outdoor Advertising (ODA)**

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Also, reference the *Florida Highway Beautification Program* website link for “*Vegetation Management at ODA signs*” “Florida Statutes” and “Florida Administrative Code” related to vegetation management at outdoor advertising sign, permit applications for vegetation management and determining mitigation value of roadside vegetation.

**II. Specific Project Site Maintenance Requirements and Recommendations:**

There are no specific maintenance requirements for the planting design for this project, other than those outlined and specified in Part I.

## REFERENCES

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up to date information.

Accessible Sidewalk Videos (ADA)

<http://www.access-board.gov/news/sidewalk-videos.htm>

Americans with Disabilities Act (ADA) (ADAAG)

[http://www.ada.gov/2010ADASTandards\\_index.htm](http://www.ada.gov/2010ADASTandards_index.htm)

American National Standard Institute, *ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)*, available for purchase

[www.isa-arbor.com](http://www.isa-arbor.com)

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Plants*, available for purchase

<http://www.doacs.state.fl.us/pi/pubs.html>

Florida Department of Community Affairs (DCA), *Florida Board of Building Codes & Standards, 2010 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A*

[http://www2.iccsafe.org/states/florida\\_codes/](http://www2.iccsafe.org/states/florida_codes/)

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 544 Landscape Installation*

<http://www.dot.state.fl.us/rddesign/DS/13/IDx/00544.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 546 Sight Distance at Intersections*

<http://www.dot.state.fl.us/rddesign/DS/13/IDx/00546.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 600 Traffic Control through Work Zones*

<http://www.dot.state.fl.us/rddesign/DS/13/IDx/00600.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 700 Roadside Offsets*

<http://www.dot.state.fl.us/rddesign/DS/13/IDx/00700.pdf>

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. I Chapter 2.11 Horizontal Clearance*

*Table 2.11.5 Horizontal Clearance to Trees*

*Table 2.11.11 Recoverable Terrain*

<http://www.dot.state.fl.us/rddesign/PPMManual/2012/Volume1/Chap02.pdf>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks/2013/Files/580-2013.pdf>

Florida Department of Transportation, Landscape Architecture Website  
[www.MyFloridaBeautiful.com](http://www.MyFloridaBeautiful.com)

Florida Department of Transportation, *Maintenance Rating Program Handbook*  
<http://www.dot.state.fl.us/statemaintenanceoffice/MRPHandbook2011.pdf>

Florida Department of Transportation Outdoor Advertising Database  
<http://www2.dot.state.fl.us/rightofway/>

Florida Exotic Pest Plant Council Invasive Plant Lists  
<http://www.fleppc.org/list/list.htm>

Florida Irrigation Society  
<http://www.fisstate.org>

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place*  
[http://www.fpl.com/residential/trees/right\\_tree\\_right\\_place.shtml](http://www.fpl.com/residential/trees/right_tree_right_place.shtml)

*Guide to Roadside Mowing and Guide to Turf Management*, available for purchase  
<http://infonet.dot.state.fl.us/SupportServicesOffice/plist.htm>

Interlocking Concrete Pavement Institute (ICPI)  
<http://www.icpi.org/>

International Society of Arboriculture (ISA)  
[www.isa-arbor.com](http://www.isa-arbor.com)

UF IFAS: *Selecting Tropical and Subtropical Tree Species for Wind Resistance*  
<http://edis.ifas.ufl.edu/pdffiles/FR/FR17500.pdf>

U.S. Department of Transportation, Federal Highway Administration, *Manual on Uniform Traffic Control Devices*  
<http://www.mutcd.fhwa.dot.gov>

SECTION NO: 86180  
S.R. NO.(S): A1A  
COUNTY: Broward  
FM NO.(S): 431108-1-58-01

**EXHIBIT D**

**APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS**

This Exhibit forms an integral part of the DISTRICT FOUR (4) Amendment to the HIGHWAY MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.

Dated: November 29, 2012

APPROXIMATE PROJECT COST: \$ 179,035.00

**PRELIMINARY COST ESTIMATE:  
S.R. A1A - S.E. 17th Street Causeway - Beautification Grant**

<u>Item</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1. Coconut Palm	25'-30' o.a. ht., 10'-15' c.t.	13	\$1,500	\$19,500
2. 'MedJool' Date Palm	35' o.a. ht., 22' c.t.	18	\$6,000	\$108,000
3. 'MedJool' Date Palm - Speciman	40'-42' o.a.h.t., 28' c.t.	1	\$7,000	\$7,000
4. Solitaire Palm, single	20'-30' o.a. ht., 14'-24' g.w.	25	\$450	\$11,250
5. Florida Royal Palm	30'-32' o.a. h.t., 18'-20' g.w.	5	\$1,000	\$5,000
6. Irrigation bubblers added to each speciman palm	24 locations	24	\$200	\$4,800
7. Shrub replacements	49 locations @ 10 each	490	\$8	\$3,920
8. Sod restoration	38 locations @ 225 s.f.	8550	\$0.30	\$2,565
9. 1 year-warranty and maintance items for new plants	Per F.D.O.T. specifications/per month	12	\$1,000	\$12,000
10 MOT / Mobilization / General Conditions	Maintenance of Traffic	1	\$5,000	\$5,000
<b>Total Grant</b>				<b>\$179,035</b>

SECTION NO: 86180  
S.R. NO.(S): A1A  
COUNTY: Broward  
FM NO.(S): 431108-1-58-01

**EXHIBIT E**

**PERMIT COMMITMENT LETTER**

**This Exhibit forms an integral part of the DISTRICT FOUR (4) Amendment to the HIGHWAY MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.**

Letter of Commitment for Permit Number 08K-491-0132, located along State Road A1A (North Atlantic Boulevard) from Bayshore Drive (M.P. 2.64) to Riomar Street (M.P.2.71) for Specialty Pavers. Permit No. 08-K-491-0132, the Capri at Fort Lauderdale Beach. 11/26/08.

**Dated: November 26, 2008**





Venice of America

CITY OF  
**FORT LAUDERDALE**

November 26, 2008

Mr. Jerry Dean  
District IV Permits Coordinator  
Florida Department of Transportation  
3400 West Commercial Boulevard  
Fort Lauderdale, FL 33309

**RE: The Capri at Ft. Lauderdale Beach Permit # 08K-491-0132**

Dear Mr. Dean:

The above referenced permit project in the City of Fort Lauderdale, Florida is located along State Road A1A/North Atlantic Boulevard between Riomar Street and Bayshore Drive. Pursuant to the Maintenance Memorandum of Agreement ("MMOA"), the City of Fort Lauderdale will be responsible for maintenance of the special pavers proposed to be constructed within the Project Area in accordance with the MMOA.\*

According to the approved plans dated 11/21/2008, the Permit will impact the western portion of State Road A1A between Riomar Street and Bayshore Drive (the "Project Area"). The Project Area is located within the limits of an existing MMOA approved by Resolution Number 07-252, adopted December 4, 2007.

If you have any questions, please feel free to contact me.

Sincerely,

Peter R. Partington, P.E.  
City Engineer

RECEIVED

DEC 2 - 2008

DIST. IV - PERMITS

\*For purposes of reference only, the developer, Capri Hotel, LLC, and its successors or assigns, of the project referenced above is constructing the improvements and has assumed in writing the City's maintenance obligations associated with the improvements in accordance with that Declaration of Maintenance recorded in OR. Book 45762, page 1396 of the public records of Broward County, which declaration City is the party required to enforce its terms.