

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
JOINT PARTICIPATION AGREEMENT
CONTRACT NUMBER AQX53

THIS AGREEMENT, entered into this 5th day of March, 20 13, 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. 13-18 adopted on February 5, 20 13, 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 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 15th 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. 13-18, hereto attached.

WITNESSES:

Jeanette A. Johnson
Jeanette A. Johnson
Mike Obulow
Rick A. Tundo

(SEAL)

CITY OF FORT LAUDERDALE

By: J. P. Seiler
JOHN P. 'JACK' SEILER, Mayor

By: L. Feldman
LEE R. FELDMAN, City Manager

ATTEST:

Jonda K. Joseph
JONDA K. JOSEPH, City Clerk

Approved as to Form:

for
Assistant City Attorney

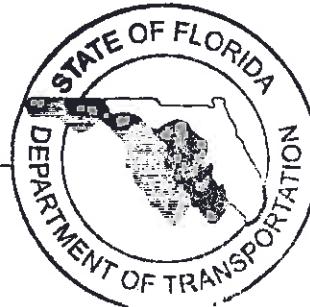
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
By: Jeffrey C. Lewis
Director of Transportation Development

Attest: Jeffrey C. Lewis (SEAL)
Executive Secretary

Approved as to Form

Lawrence J. Kelly
Office of the General Counsel

Date



Date

3/1/13

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/vertical 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 9th 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 DELIVERABLES 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
MCT/Mobilization/General Conditions	Lump Sum	1
Irrigation bubblers	Units	24

DUNS No. 072219595
CSFA No. 55.023

FM No. 431108-1-58-01
FEID No: VF-59-6000219001

EXHIBIT C

PROJECT PLANS

Please see attached plans prepared by:

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

Dated: November 29, 2012

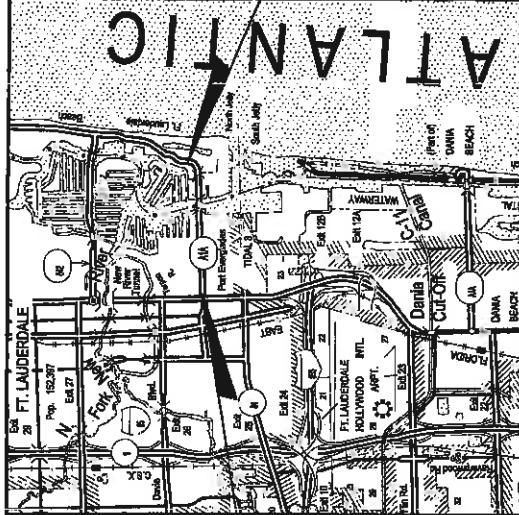
**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

FINANCIAL PROJECT ID: 431108-1-58-01
(FEDERAL FUNDS)
BROWARD COUNTY (8618000)
STATE ROAD NO. A/A

LANDSCAPE PLANS

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



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

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

INDEX OF LANDSCAPE PLANS	
SHEET NO.	SHEET DESCRIPTION
-	COVER SHEET
1	TRAFFIC CONTROL PLAN
2	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 amended, March, 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/index/>

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/area/>

S.R. A1A DESIGN SPEED: 35 MPH

Maintaining Agency: CITY OF FT. LAUDERDALE

Contact: Thomas White, ASLA-ASA
Landscape Architect - Certified Arborist
CITY OF FT. LAUDERDALE PARKS AND RECREATION
1360 West Broward Boulevard
Fort Lauderdale, Florida 33312
361-202-5350
thomaswh@ftlauderdale.gov

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

USER: mmendes 11/27/2012 2:56:47 PM F:\Projects\2012\203517 SE 17th St Causeway BovardInlet Grmt\GDD File\Drawings\123517-L-COVER.DWG

NOV. 29, 2012	PLANS PREPARED BY:
 Calvert, Giardino & Associates, Inc. EXCEPCIONALI TION 1000 Blue Lagoon, Suite 1000, Fort Lauderdale, Florida 33309 Phone: (954) 779-1771 Fax: (954) 779-1807 VENDOR ID: NO. 84-001389 VENDOR ID NO. 84-001389	
Landscape Plans Architect of Record:	R.L.A. NO.: License No. 1181
Fiscal Year Sheet No.	
2013	11-24-12

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. ALANITH 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.**

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 MGT 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 AIA/17TH 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.

WORK ZONE MAINLINE LANE CLOSURE TIME RESTRICTIONS:
NORMAL WORK HOURS WILL BE LIMITED TO MONDAY THROUGH FRIDAY FROM
7:00 AM TO 4:00 PM

LANE CLOSURE WILL BE LIMITED TO EITHER THE LANE ADJACENT TO THE MEDIAN OR THE OUTSIDE SHOT, NOT BOTH, AT ANY GIVEN TIME.

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

10. THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT WITHIN THE CLEAR ZONE DURING COMMISSIONING UNLESS THE CONTRACTOR HAS RETURNED TO AN ACCEPTABLE LEVEL.

ACTIVITY PERIOD, THE CONTRACTOR SHALL LIMIT THE STORAGE OF MATERIAL AND EQUIPMENT TO THE WORK ZONE AREA.

11.11. CONTRACTOR TO COORDINATE WORK AREAS WITHIN THE PARKING LOTS UNDER THE BRIDGE WITH THE CITY

ג' מילון עברי-ערבי:

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

WORK ON OUTSOURCING

A circular professional license stamp. The outer ring contains the text "SECOND JEROME PIPPET, JR.", "PROFESSIONAL ENGINEER", "AUTOMATIC CONTROL", and "STATE OF FLORIDA". The center of the stamp contains "LICENSE NO. 33878".

SHEET NO. 1			
<p style="text-align: center;">ENGINEER OF RECORD'S SIGNATURE</p> <p>S.R. ALAN SEITZ/SCAUSWAY</p> <p>BEAUTIFICATION GRANT</p> <p>PROJECT NUMBER: 00000000000000000000000000000000</p> <p>ROAD NO. 00000000000000000000000000000000</p> <p>COUNTY BROWARD</p> <p>FINANCIAL PROJECT ID 43708-156-01</p> <p>PLAN</p>			
<p>Engineering Firm: Raymond J. Pappal, PE No. 33076 Calvin, Giordano & Associates, Inc.  EXCEPCIONAL SOLUCIONES 1000 Biscayne Blvd., Suite 3310 Miami, FL 33132 Tel.: (305) 576-1300 Fax: (305) 576-1301 Certificate of Authorization No. 5-14 File No. 05-2001-33076</p>			
REVISIONS	DATE	DESCRIPTION	REMARKS

TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	NATIVE	DROUGHT TOLERANT	SHEET NUMBERS				TOTAL FOR SHEETS 5 TO 8	GRAND TOTAL
										PLAN	FINAL	PLAN	FINAL		
N/A	N/A	CNG	<i>Cocos nucifera</i>	Coconut Palm	10'-15' C.T.	N/A	25' O.C.		Yes	EA.	EA.				13
N/A	N/A	PDM	<i>Phoenix dactylifera</i> Mediool'	Mediool Date Palm	22' C.T.	N/A	28' O.C.		Yes	EA.	EA.				18
N/A	N/A	PDF	<i>Phoenix dactylifera</i> Mediool'	Mediool Date Palm	14'-24' C.T.	N/A	12' O.C.		Yes	EA.	EA.				1
N/A	N/A	PES	<i>Physchosperma elegans</i>	Solitaire Palm	14'-24' C.T.	N/A	25' O.C.		Yes	EA.	EA.				25
N/A	N/A	REL	<i>Roxystonea elata</i>	Florida Royal Palm	20' G.W.	N/A	25' O.C.		Yes	EA.	EA.				5
N/A	N/A	BRO	<i>Aechmea blanchetiana</i> 'Orange'	Orange Bromeliads	3 Gal., 15' Ht.	18' Ht.	24' O.C.		Yes	EA.	EA.				40
N/A	N/A	CES	<i>Conocarpus erectus</i> 'Senus'	Silver Button Wood	3 Gal., 24' Ht.	36' Ht.	24' O.C.		Yes	EA.	EA.				30
N/A	N/A	FMG	<i>Ficus microcarpa</i> 'Green Island'	Green Island Ficus	3 Gal., 15' Ht.	18' Ht.	18' O.C.			EA.	EA.				90
N/A	N/A	HYM	<i>Hymenocallis latifolia</i>	Spider Lily	3 Gal., 15' Ht.	30' Ht.	24' O.C.			EA.	EA.				280
N/A	N/A	NEH	<i>Micosorum scolopendrum</i>	Wart Fern	3 Gal., 15' Ht.	24' Ht.	18' O.C.		Yes	EA.	EA.				60
N/A	N/A	SAT	<i>Schefflera arboricola</i>	Var. Arboconica	3 Gal., 24' Ht.	36' Ht.	24' O.C.			EA.	EA.				30
N/A	N/A	RHI	<i>Raphiphoepe indica</i>	Indian Hawthorn	3 Gal., 15' Ht.	18' Ht.	24' O.C.		Yes	EA.	EA.				20
N/A	N/A	SSF	St. Augustine Florida 500'	St. Augustine 500'	N/A	N/A	N/A		Yes	EA.	EA.				20
N/A	N/A			I Year Warranty/Maintenance						S.F.	S.F.				8,550
N/A	N/A														

PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	NATIVE	DROUGHT TOLERANT	SHEET NUMBERS				TOTAL FOR SHEETS 9 TO 12	GRAND TOTAL
										PLAN	FINAL	PLAN	FINAL		
N/A	N/A	CNG	<i>Cocos nucifera</i>	Coconut Palm	10'-15' C.T.	N/A	25' O.C.		Yes	EA.	EA.				13
N/A	N/A	PDM	<i>Phoenix dactylifera</i> Mediool'	Mediool Date Palm	28' C.T.	N/A	28' O.C.		Yes	EA.	EA.				18
N/A	N/A	PDF	<i>Phoenix dactylifera</i> Mediool'	Mediool Date Palm	14'-24' C.T.	N/A	12' O.C.		Yes	EA.	EA.				1
N/A	N/A	PES	<i>Physchosperma elegans</i>	Solitaire Palm	20' G.W.	N/A	25' O.C.		Yes	EA.	EA.				25
N/A	N/A	REL	<i>Roxystonea elata</i>	Florida Royal Palm											5
N/A	N/A	BRO	<i>Aechmea blanchetiana</i> 'Orange'	Orange Bromeliads	3 Gal., 15' Ht.	18' Ht.	24' O.C.			EA.	EA.				40
N/A	N/A	CES	<i>Conocarpus erectus</i> 'Senus'	Silver Button Wood	3 Gal., 24' Ht.	36' Ht.	24' O.C.		Yes	EA.	EA.				30
N/A	N/A	FMG	<i>Ficus microcarpa</i> 'Green Island'	Green Island Ficus	3 Gal., 15' Ht.	18' Ht.	18' O.C.			EA.	EA.				160
N/A	N/A	HYM	<i>Hymenocallis latifolia</i>	Spider Lily	3 Gal., 15' Ht.	30' Ht.	24' O.C.			EA.	EA.				290
N/A	N/A	NEH	<i>Micosorum scolopendrum</i>	Wart Fern	3 Gal., 15' Ht.	24' Ht.	18' O.C.		Yes	EA.	EA.				60
N/A	N/A	SAT	<i>Schefflera arboricola</i>	Var. Arboconica	3 Gal., 24' Ht.	36' Ht.	24' O.C.			EA.	EA.				30
N/A	N/A	RHI	<i>Raphiphoepe indica</i>	Indian Hawthorn	3 Gal., 15' Ht.	18' Ht.	24' O.C.		Yes	EA.	EA.				20
N/A	N/A	SSF	St. Augustine Florida 500'	St. Augustine 500'	N/A	N/A	N/A			S.F.	S.F.				20
N/A	N/A			I Year Warranty/Maintenance											8,550
N/A	N/A														

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	SHEET NUMBERS				TOTAL FOR SHEETS 5 TO 8	GRAND TOTAL
					PLAN	FINAL	PLAN	FINAL		

PLANTING SCHEDULE			
11/29/12	11/29/12	11/29/12	11/29/12
A1A	BROWARD	431108-1-58-01	3
S.R.AIA (SE 17 ST CAUSEWAY)	S.R. BEAUTIFICATION GRANT	FINANCIAL PROJECT ID	SHEET NO.
LANDSCAPE ARCHITECTURE INC. MICHAEL CONNER, R.L.A.	CALVIN, GORDON & ASSOCIATES, INC.	PROJECT NUMBER	17
EXCESSION SOLUTION	1400 Blue Drive, Suite 600, Fort Lauderdale, Florida 33316	ROAD NO.	NOV. 29, 2012
Phone: 954-651-7711	Fax: 954-721-1707	CITY	Beautification Grant \ ADD File \ Drawing \ 123311-10-01-Notes.dwg
Email: info@calvin-gordon.com	TICKET NO. 17	STATE	USER: mmndezza
www.calvngordon.com	17	ZIP CODE	11/29/2012 3:50:24 PM PT \ Projects \ 123311 SE 17 St Causeway Beautification Grant \ ADD File \ Drawing \ 123311-10-01-Notes.dwg

TABULATION OF QUANTITIES / PLANT SCHEDULE

PLANTING NOTES:

GENEVA

GENERAL
I. 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

2. CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION AND/OR INSTALLATION.

2. CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION AND/OR INSTALLATION ACTIVITIES AT HIS SOLE EXPENSE.
3. CONTRACTOR SHALL CONTACT FDOT 'OPERATIONS' FOR DIRECTION AS TO THE DISPOSAL OF EXCAVATED MATERIALS. BROWARD OPERATIONS: CONTACT ANTONIO CASTRO AT

4. CONTRACTOR SHALL MAINTAIN CLEAR SIGHT AT MEDIAN OPENINGS FOR VEHICLES TURNING ACROSS ONCOMING TRAFFIC, AS DEFINED PER FDOT INDEX 546, EXCEPT WHERE SIGNALIZED INTERSECTIONS THAT DO NOT GO FLASHING.

5. CONTRACTOR SHALL MAINTAIN A HORIZONTAL CLEAR ZONE AS DEFINED PER EDITION ONE OF THE

6. CONTRACTOR SHALL INSTALL PLANT MATERIAL AS DETAILED IN FDOT INDEX 544 LANDSCAPE INSTALLATION.

7. LANDSCAPE INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATIONS 580 AND ANY APPLICABLE UPDATES.

8. FDOT INDEX CAN BE FOUND AT THE FOLLOWING WEBPAGE:
<http://www.dot.state.fl.us/fdotdesign/DesignStandards/standards.shtml>

9. CYPRESS MULCH IS NOT PERMITTED ON FDOT RIGHT OF WAY. CONTRACTOR SHALL PROVIDE 3" RECYLICED MULCH CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC). SUBMIT PROOF OF CERTIFICATION TO THE FDOT DISTRICT OPERATIONS PERMIT LANDSCAPE INSPECTOR UPON INSPECTION.

<http://www.dot.state.fl.us/rdesign/Standards/Standards.htm>

9. 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

NOV. 29, 2012
M. M. D.
LANDSCAPE ARCHITECT OF RECORD MICHAEL CONNER RLA
ZONE, AS DEFINED PER FDOT INDEX 700.

PLANTING SCHEDULE & NOTES			
SHEET NO. 4			
Caini, Giovanni & Associates, Inc. URBINE INC. et al SACRAMENTO 15 CAUSEWAY BEAUTIFICATION GRANT			
PROJECT ID		FINANCIAL PROJECT ID	
ROAD NO.	COUNTY	ROAD NO.	COUNTY
A1A	BROWARD	431108-1-58-01	
11/29/2012 3:00:32 PM E:\Projects\2012\12331 SF 17 St Causeway Blvd\12331 SF 17 St Causeway Blvd.dwg			
USER: mmendoco			

MATCH LINE - SEE SHEET 6 FOR CONTINUATION

NOV. 29, 2012

SHEET NO.
5

S.E. 17th STREET

TO S.R. 5 (U.S. 1)

54

55

56

TO S. MIAMI ROAD

NO IMPROVEMENTS THIS SHEET

A PARTIAL PLANTING PLAN

REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, PLA.		S.R. A1A (SE 17 ST CAUSEWAY)
Cahill, Giffordson & Associates, Inc.		BEAUTIFICATION GRANT
EXCEPTIONAL SOLUTIONS		ROAD NO.
1600 Bayshore, Suite 300, Fort Lauderdale, Florida 33316		COUNTY
Phone: 954.681.1781		FINANCIAL PROJECT #
Fax: 954.681.1787		A1A
Cahill, Giffordson & Associates, Inc.		BROWARD
1600 Bayshore, Suite 300, Fort Lauderdale, Florida 33316		431108-1-58-01
Phone: 954.681.1781		Comments or Instructions:
Fax: 954.681.1787		11/29/2012 3:50:55 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CAD Files\Drawings\125311-1700-PLANTING.PLG
Comments or Instructions:		USER: \mconner\bzdc

D

D

MATCH LINE - SEE SHEET 8 FOR CONTINUATION

S.E. 17th STREET

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

*NOTE: REPLACEMENT
PLANTS ONLY.

FMG
BO

EXISTING GREEN ISLAND FICUS
SHRUB MASS TO REMAIN

60 61 62
16' C.T. 22' C.T. 16' C.T. 20' C.T. 14' C.T.
C STA. 60+34.2

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

NOTE: CONTRACTOR TO
REPLACE 10 GREEN ISLAND
FICUS PLANTS AT EACH NEW
SOLITAIRE PALM LOCATION.

TO S.E. 10th AVE.

R/W

R/W



MATCH LINE - SEE SHEET 6 FOR CONTINUATION

NOV. 29, 2012

LANDSCAPE PLAN

7

Affina Lut

1:20

SR.AIA (SE 17 ST CAUSEWAY)
BEAUTIFICATION GRANT

ROAD NO. 431108-1-58-01

COUNTY BROWARD

FINANCIAL PROJECT ID

431108-1-58-01

11/29/2012

PM P. Projects

2012\125311 SE 17 St Causeway Beautification Grant\G000 File\Drawings\125311-L100-PLANTING_PLANS.dwg

USER: mmardocia

PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS

- SIGHT DISTANCE (MP):
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546,
 6 LANE DIVIDED HIGHWAY WITH MEDIAN LESS THAN 22,
 DESIGN SPEED OF 35 MPH.
 - 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.



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MATCH LINE - SEE SHEET 9 FOR CONTINUATION

MATCH LINE - SEE SHEET 7 FOR CONTINUATION

S.E. 17th STREET

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

AVENUE
S.E. 10th

NO IMPROVEMENTS THIS SHEET

SIGNALIZED INTERSECTION
OPERATES 24 HOURS / 7
DAYS A WEEK.

- SIGHT DISTANCES (TFP):
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FDOT INDEX 546,
 6 LANE DIVIDED HIGHWAY WITH MEDIAN LESS THAN 22,
 DESIGN SPEED OF 35 MPH.
 - 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.

D

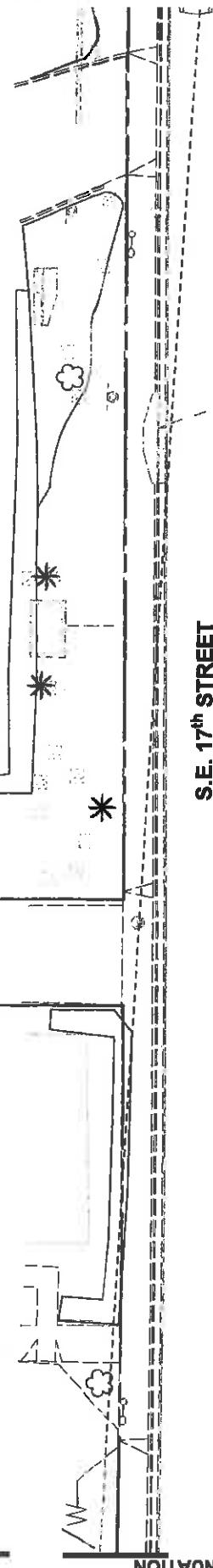
PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	DATE	REVISIONS	DESCRIPTION	DATE	REVISIONS	DESCRIPTION
NOV. 29, 2012	Cahm, Giordano & Associates, Inc. TECHNICAL SOLUTIONS 4000 Baseline, Suite 200, Fort Lauderdale, Florida 33316 Phone: 954.511.7791 Fax: 954.521.5907 Certified by Florida Office, Local Options Division of Motor Vehicles, Tallahassee FL 32399-0000	A1A	BROWARD	431108-1-58-01					

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LANDSCAPE PLAN

8



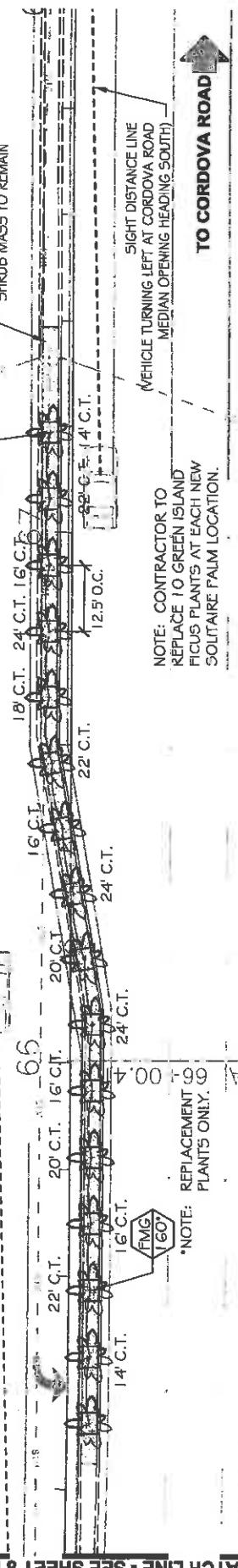
MATCH LINE - SEE SHEET 8 FOR CONTINUATION

TO S.E. 10th AVE.

S.E. 17th STREET

NOTE: FRANGIBLE
PALMS PLANTED AT
STAGGERED HEIGHTS 16' PFS

EXISTING GREEN ISLAND FICUS
SHRUB MASS TO REMAIN



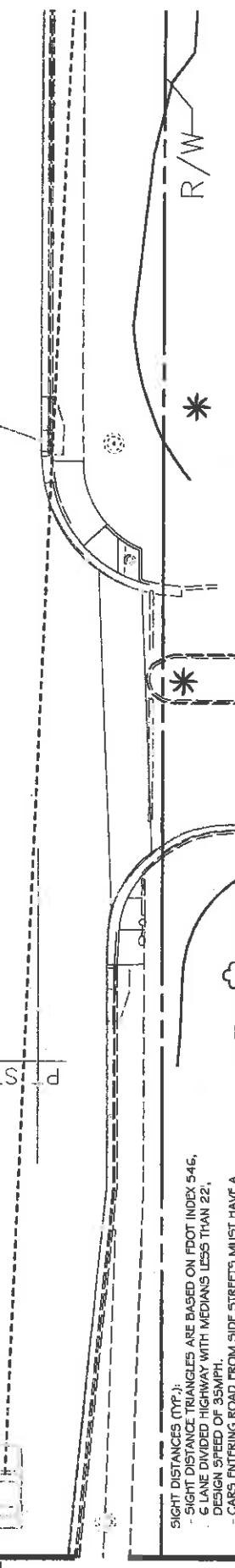
*NOTE: REPLACEMENT
PLANTS ONLY.

TO CORDOVA ROAD

NOTE: CONTRACTOR TO
REPLACE 10 GREEN ISLAND
FICUS PLANTS AT EACH NEW
SOLITAIRE PALM LOCATION

SIGHT DISTANCE LINE
(VEHICLE TURNING LEFT AT CORDOVA ROAD)

VEHICLE TURNING LEFT AT CORDOVA ROAD
MEDIAN OPENING HEADING SOUTH



- SIGHT DISTANCES (Typ.):
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FDOT INDEX 546,
 - 6 LANE DIVIDED HIGHWAY WITH MEDIAN LESS THAN 22',
 - DESIGN SPEED OF 35 MPH.
 - 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 355 FT.

E

PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ROAD NO.	COUNTRY	FINANCIAL PROJECT ID	LANDSCAPE PLAN	NOV. 29, 2012
					A1A	BROWARD	431108-1-58-01	11-21-12	Sheet No. 9

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ACCESS ROAD (17th STREET RAMP)

PARKING BEHIND 17th STREET BRIDGE

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

*NOTE: REPLACEMENT PLANTS ONLY.

NEW 30°

25 O.C.

REL 2

20' G.W.

EXISTING WART FERN TO REMAIN

(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 FAN PALMS TO REMAIN

20' G.W.

EXISTING FAN PALM TO REMAIN

20' G.W.

S.E. 17th STREET

6' HORIZONTAL CLEARANCE

F.D.M.

3

22' C.T.

EXISTING CRINUM LILY TO REMAIN

EXISTING FAN PALM TO REMAIN

EXISTING FAN PALM TO REMAIN

22' C.T.

EXISTING WART FERN TO REMAIN

EXISTING BISMARCKA PALMS TO BE RELOCATED BY CITY

EXISTING SOD, WITHIN MEDIAN TO REMAIN

TO S.E. 23rd AVENUE

ACCESS ROAD (17th STREET RAMP)

SIGHT DISTANCES (TYP.):

- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546.
- 6 LANE DIVIDED HIGHWAY WITH MEDIAN LESS THAN 22'.

- DESIGN SPEED OF 35 MPH

- 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.

PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	LANDSCAPE ARCHITECT OF RECORD: MICHAEL DONNER, RLA. EXCEPTIONAL SOLUTIONS, INC. 1601 Beechtree, Suite 600, Fort Lauderdale, Florida 33316 Phone: 954-421-7711 Fax: 954-521-1807 Chairman of Arbor & Landscapes TENSOGRAPHIC, INC.	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	LANDSCAPE PLAN	NOV. 29, 2012 11-24-12 13 <i>M. Donner</i>	SHEET NO.
11/29/2012	301-56 PH P:\Projects\2012\123511 SE 17 St Causeway Beautification Plan\Drawings\123511-L100-PLANTING.PLANS.dwg	A1A	BROWARD	431108-1-58-01							

ACCESS ROAD (17th STREET RAMP)

- SIGHT DISTANCE TRIANGLES ARE BASED ON FOOT INDEX 546.
- 6 LANE DIVIDED HIGHWAY WITH MEDIAN (LESS THAN 22').
- DESIGN SPEED OF 35 MPH.
- 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.

MATCH LINE - SEE SHEET 13 FOR CONTINUATION

TO 17th STREET BRIDGE

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

22' C.T.

22' C.T.

22' C.T.

22' C.T.

22'

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C.T.

(2) EXISTING BISMARCKA PALMS
TO BE RELOCATED BY CITY
EXISTING SOD. WITHIN
MEDIAN TO REMAIN

22' C.T.

22' C.T.

22' C.T.

22' C.T.

EXISTING INDIAN HAWTHORN
SHRUB MASS TO REMAIN

TO S.E. 17th STREET

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

F.D.M.

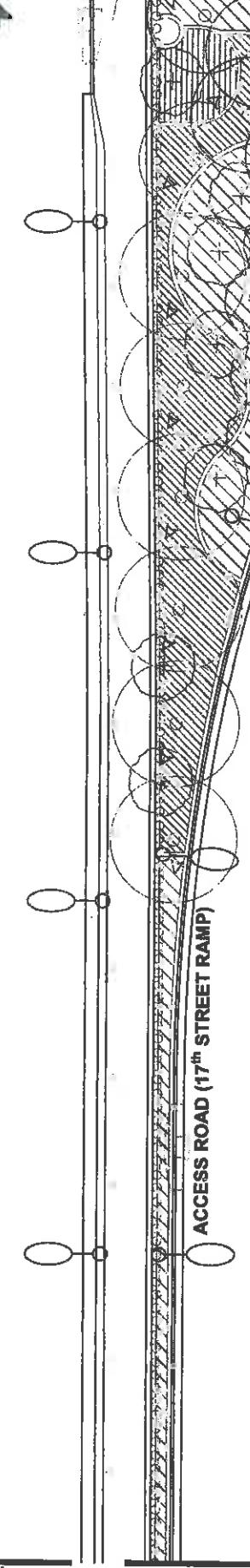
TO

R.H.I.

20°

G HORIZONTAL CLEARANCE

ACCESS ROAD (17th STREET RAMP)



J PARTIAL PLANTING PLAN

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	S.R. AIA (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	LANDSCAPE PLAN	NOV. 29, 2012	11-24-12	SHEET NO.
					A1A	BROWARD	431108-1-58-01					14

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

MAYAN DRIVE

TO S.E. 23rd AVENUE

EXISTING YELLOW TABEBUIA TO REMAIN

EXISTING COCOPUM TO REMAIN

EXISTING GREEN ISLAND FIGUS TO REMAIN

EXISTING SILVER BUTTON WOOD HEDGE TO REMAIN

100' @ MIN.

EXISTING SOIL AREA TO REMAIN

(2) EXISTING SABAL PALMS TO BE RELOCATED BY CITY

28'-0" O.C.

43

22' C.T.

EXISTING COCONUT TO REMAIN

EXISTING GREEN ISLAND FIGUS TO REMAIN

EXISTING SILVER BUTTON WOOD HEDGE TO REMAIN

100' @ MIN.

EXISTING SOIL AREA TO REMAIN

(2) EXISTING SABAL PALMS TO BE RELOCATED BY CITY

28'-0" O.C.

43

22' C.T.

EXISTING SOIL AREA TO REMAIN

(2) EXISTING SABAL PALMS TO BE RELOCATED BY CITY

28'-0" O.C.

43

22' C.T.

EXISTING SOIL AREA TO REMAIN

(2) EXISTING SABAL PALMS TO BE RELOCATED BY CITY

28'-0" O.C.

43

22' C.T.

EXISTING SOIL AREA TO REMAIN

(2) EXISTING SABAL PALMS TO BE RELOCATED BY CITY

28'-0" O.C.

43

22' C.T.

22

IRRIGATION / WATERING NOTES:

11

- CONTRACTOR SHALL COORDINATE WITH CITY OF FT. LAUDERDALE PARKS REC. DEPARTMENT (CONTACT TIM SOUTHEY 954-285-5394) 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 MIDANISK.O.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 SCH 40 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 NOT AVAILABLE, CONTRACTOR SHALL CONNECT OTHER END OF SPARE IN TIMER/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 REFERRED 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 SCHEDULE.

- | 12. WATERING SCHEDULE (FIRST 6 MONTHS): | |
|---|---------------------------|
| | FREQUENCY (WATERING DAYS) |
| 1 THRU 6 | MON., WED., FRI. |
| 7 THRU 12 | MON., WED., SAT. |
| 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

<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>	<u>QTY</u>	<u>GPM</u>
■	RAIN BIRD 1804-SAM-PRS. 1400 FLOOD	8	0.5
▲	RAIN BIRD 1804-SAM-PRS. 1400 FLOOD	39	
●	EXISTING VALVE WITH BATTERY OPERATED TIME CLOCK		
BF	EXISTING BACKFLOW DEVICE 2" PRESSURE VACUUM BREAKER		
C	EXISTING IRRIGATION CONTROLLER		
M	EXISTING WATER METER		
	RAIN BIRD FGA ANGLE 1" ELECTRIC REMOTE CONTROL VALVE INSTALLED IN A NEW CABINET		

INSTALLATION OF LATERS & BUBBLERS AROUND EXISTING TREES SHALL BE DUG 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 BEHIND 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 SCH 40 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 SPACE IN TIMER/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, LATERS, 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.

- WATERING CONTRACT:**

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

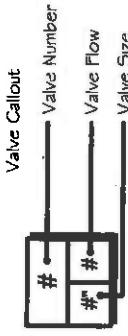
ATTACHMENT

- CONTRACT AT NO ADDITIONAL COST TO THE CLIENT.

0.1. THE 12 MONTH WARRANTY/ESTABLISHMENT PERIOD SHALL BE EXTENDED BY 45 DAYS FOR ALL REFACEMENT PLANT MATERIAL.

0.2. AT THE CLIENT'S EXPENSE, THE CONTRACTOR WILL REPAIR 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.

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.



IRRIGATION LATERAL LINE 1/2 SIZES 2000 2000

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

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.					
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	S.R. A1A/SE 17 ST CAUSEWAY BEAUTIFICATION GRANT
					ROAD NO. : COUNTY : FINANCIAL PROJECT ID :
					A1A BROWARD 43108-1-58-01
				11/29/2012 3:02:53 PM P:\Projects\2012\12531 SE 17 St Causeway Beautification Grant\CAD\Files\Drawings\12531-1-DOT-NOTES.dwg	
				USER: mmendes22	
				NOV. 29, 2012	
				SHEET NO. 17	

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 MEADOWS, O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

MATCH LINE - SEE SHEET 20 FOR CONTINUATION

NOV. 29, 2012

9

S.E. 17th STREET

TO S. MIAMI ROAD

1

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

TO S.E. 10th AVE.

- 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.

This decorative border is composed of a dashed black line forming a rectangle. The four corners of the rectangle are replaced by five-pointed star shapes. In the bottom-left corner, there is a small, stylized cloud or flower-like shape. The entire border is set against a white background.

REVISIONS		DESCRIPTION		S.R. A1A (SEE 17 ST CAUSEWAY) BEAUTIFICATION GRANT		IRRIGATION PLAN		
DESCRIPTION	DATE			LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A. Calvin Chardouff & Associates, Inc.	EXPIRATION DATE: 5/20/15	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
				100-1000, 1st St., Suite 100, Fort Myers, Florida 33901 Phone: 239-573-2711	07/15/15	100-1000, 1st St., Suite 100, Fort Myers, Florida 33901 Phone: 239-573-2711	COLlier	1-21-1

PARTIAL IRRIGATION PLAN

S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT		ROAD NO.	COUNTY	FINANCIAL PROJECT ID
		A1A	BROWARD	43108-1-58-01
LAW FIRM ARCHITECT OF RECORD: MICHAEL CONNER, B.L.A. LAW FIRM ARCHITECT OF RECORD: MICHAEL CONNER, B.L.A. Cahn, Giordano & Associates, Inc.	CEPITAL 1 S.D.U.T.I.O.N'S LAND OFFICE, SUITE 400, FIFTH AVENUE, FORT LAUDERDALE, FLORIDA 33316 FAX: 954-571-7781 CERTIFICATE OF AUTHORITY (LICENSING)	ROAD NO.	COUNTY	FINANCIAL PROJECT ID

USER: mendoza

11/29/2012 3:03:15 PM PT\Projects\2012\12351 SE 17 St Causeway Beautification Grant\GADD files\Drawings\25-311-U00-Irrigation Plans.dwg

MATCH LINE - SEE SHEET 21 FOR CONTINUATION

MATCH LINE - SEE SHEET 19 FOR CONTINUATION

S.E. 17th STREET

AVENUE
S.E. 10th

NO IMPROVEMENTS THIS SHEET

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/R.O.W. IN
WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

NOV 29, 2012

D
PARTIAL IRRIGATION PLAN

LANDSCAPE ARCHITECTURE OF RECORD: MICHAEL DONNER, RLA LICENSED AS A LANDSCAPE ARCHITECT E F C E P T I O N A L S O L U T I O N S 1600 1st Ave, Suite 300, Fort Lauderdale, Florida 33308 Phone: 954.621.7781 Fax: 954.621.1977 www.efceptionalsolutions.com e-mail: info@efceptionalsolutions.com VENDOR: COASTAL LANDSCAPE USER: MichaelDonner	S.R. AIA (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	ROAD NO.	FINANCIAL PROJECT ID
		A1A	BROWARD 431108-1-58-01

NOV 29, 2012
11-21-17
20

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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 MEDIAN(S) O.W. IN WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

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

S.E. 17th STREET

MATCH LINE • SEE SHEET 20 FOR CONTINUATION

- 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.

TO CORDOVA ROAD

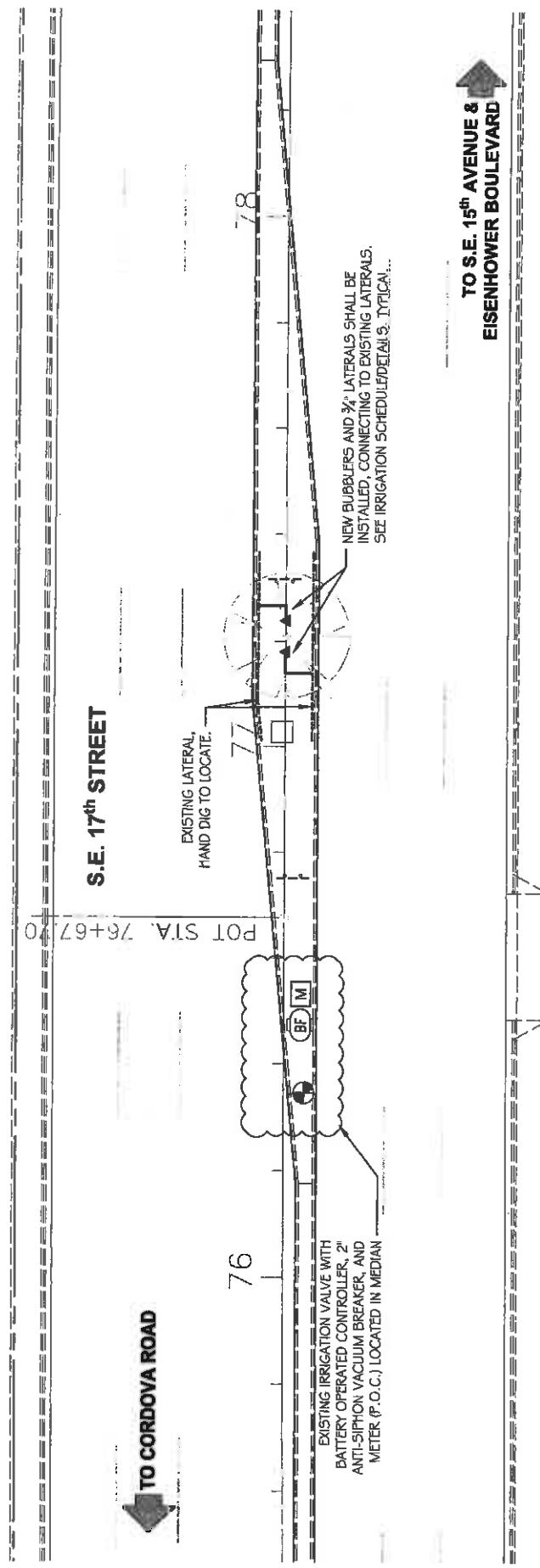
NOV. 29, 2012

PARTIAL IRRIGATION PLAN

S.R. A1A (SE 1ST CAUSEWAY) BEAUTIFICATION GRANT			IRRIGATION PLAN	
LANDSCAPE ARCHITECTURE BY REEDS LANDSCAPE ARCHITECTURE, R.L.A. Calvin, Givland & Associates, Inc.			FINANCIAL PROJECT #	
EXECUTIVE NATIONAL SOLUTIONS			ROAD NO.	1-261
4800 Bldg. Site 500, Fort Lauderdale, Florida 33316 Phone: (305) 771-1000 Fax: (305) 771-1507			COUNTY	BROWARD
S.R. A1A			PROJECT #	431108-1-58-01
REVISIONS	DATE	DESCRIPTION		

11/23/2012 2:50:33 PM \Projects\2012\23331 SE 17 St Concourse Beautification Grant (2400 Files)\Drawings\123311-LT00-FERGATION PLANS.dwg

CONTRACTOR SHALL VERIFY CONDITION OF EXISTING IRRIGATION SYSTEM, AND REPAIR ANY BROKEN HEADS, PIFES, 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.



PARTIAL IRRIGATION PLAN				IRRIGATION PLAN		IRRIGATION PLAN	
DATE	DESCRIPTION	REVISIONS	DATE	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
				A1A	BROWARD	431108-1-58-01	22
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GRANDE DRIVE

**PARKING BENEATH
17th STREET BRIDGE**

**TO EISENHOWER
BOULEVARD**

NEW BUBBLERS AND 9/8 LATERALS
SHALL BE INSTALLED, CONNECTING TO
EXISTING LATERALS. SEE IRRIGATION
SCHEDULE DETAILS, TYPICAL.

EXISTING LATERAL,
HAND DIG TO LOCATE

EXISTING CONTROLLER
APPROXIMATE LOCATION

**TO INTRACOASTAL
WATERWAY**

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/G.R.O.W. IN
WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

MARRIOTT DRIVE (17th STREET RAMP)

EXISTING IRRIGATION VALVE FOR
EXISTING ZONE TO BE MODIFIED.

H

PARTIAL IRRIGATION PLAN

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

**S.R. AIA (SE 17th ST CAUSEWAY)
BEAUTIFICATION GRANT**

EXCEPTIONAL SOLITIOS	ROAD NO.	COUNTY	MANUAL PROJECT ID
Ciampi, Giordano & Associates, Inc. 1000 Birch Drive, Suite 100, Fort Lauderdale, Florida 33316 Phone: 954.471.7711 Certified by Authorized Landscape Professional	A1A	BROWARD	431108-1-58-01

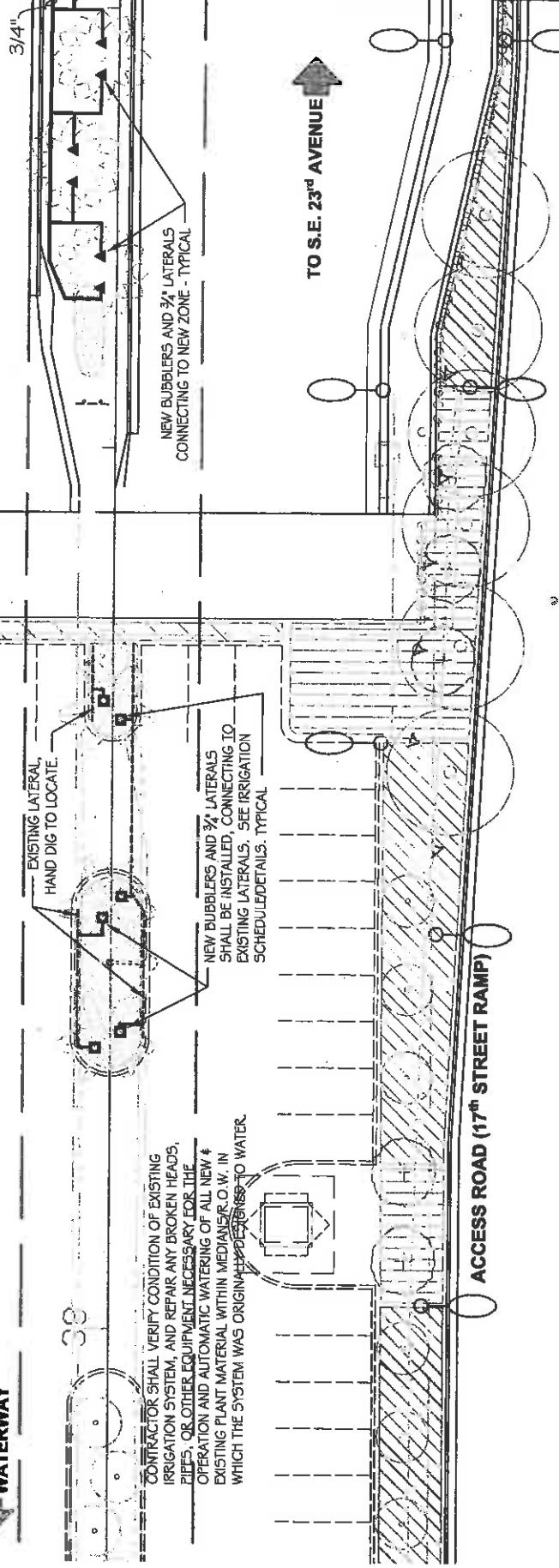
NOV. 29, 2012	1:20	11-24-12	23
IRRIGATION PLAN			

MATCH LINE - SEE SHEET 25 FOR CONTINUATION

S.E. 17th STREET**PARKING BEneath
17th STREET BRIDGE**EXISTING IRRIGATION VALVE FOR
EXISTING ZONE TO BE MODIFIED.**TO INTRACOASTAL
WATERWAY**

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 CONNECTED TO WATER.

NEW BUBBLERS AND $\frac{3}{4}$ " LATERALS
SHALL BE INSTALLED, CONNECTING TO
EXISTING LATERALS. SEE IRRIGATION
SCHEDULE DETAILS, TYPICAL.

NEW BUBBLERS AND $\frac{3}{4}$ " LATERALS
CONNECTING TO NEW ZONE - TYPICAL**TO S.E. 23rd AVENUE****ACCESS ROAD (17th STREET RAMP)**

I PARTIAL IRRIGATION PLAN

REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE

S.R.AIA (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT		ROAD NO.	FINANCIAL PROJECT ID
CALVIN, GIOINTANO & ASSOCIATES, INC. EXCESSIONAL SOLUTIONS 1620 Bay Drive, Suite 600, Fort Lauderdale, Florida 33316 Phone: 954/571-7781 Fax: 954/571-2007 Certificate of Authorization #1C000000009 Version 03, 06/2012	A1A	BROWARD	431108-1-58-01

IRRIGATION PLAN	1:20
Mandy D.L.	11/29/12

ACCESS ROAD (17th STREET RAMP)

MATCH LINE - SEE SHEET 24 FOR CONTINUATION

S.E. 17th STREET**TO 17th STREET BRIDGE**

EXISTING MAINLINE CROSSING & CONDUIT
FOR CONTROL WIRE (PER EDSA)
IRRIGATION DESIGN - 11-6-2001

T1
1" | 26

NEW BUBBLERS, LATERAL
& VALVE - TYPICAL

1/4"

1/4"

1"

1/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

3/4"

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3/4"

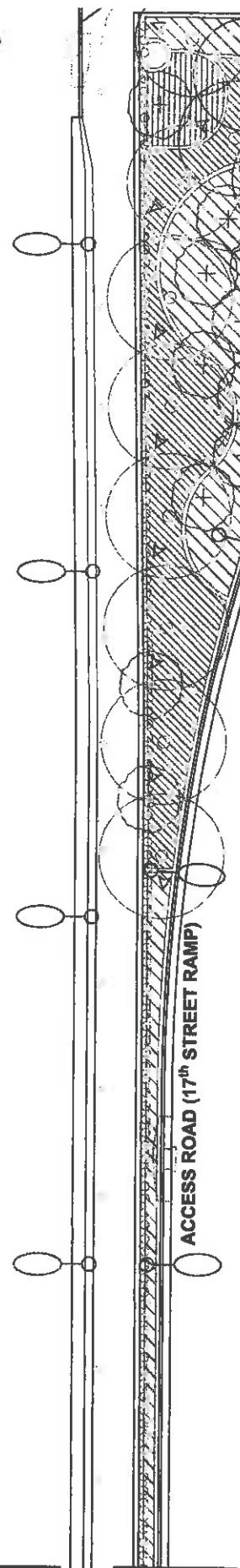
3/4"

3/4"

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.

TO S.E. 23rd AVENUE

ACCESS ROAD (17th STREET RAMP)



J PARTIAL IRRIGATION PLAN

DATE	DESCRIPTION	REVISIONS	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	EXCEPTIONAL SOLUTIONS	S.R. A1A (SE 17 ST CAUSEWAY BEAUTIFICATION GRANT)
11/29/2012 3:54:08 PM PT			A1A	BROWARD	431108-1-58-01	Calvin, Gildengorin & Associates, Inc. 1600 Biscayne Blvd., Suite 400, Miami, Florida, 33132 Phone: 305.931.7791 Fax: 305.931.1487 Corporation of California 000000388 FIRMS: CO., INC., LLC, LLP, LSC, PC	NOV. 29, 2012 11-21-12 25 J-20 Irrigation Plan

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M. H. M.
IRRIGATION PLAN 1/29/12 26

IRRIGATION PLAN			
DATE	DESCRIPTION	REVISIONS	1:20
1/29/2012	S.R. AIA (SE 17 ST CAUSEWAY BEAUTIFICATION GRANT)		

DATE	DESCRIPTION	REVISIONS	1:20
1/29/2012 3:04:20 PM	K PARTIAL IRRIGATION PLAN		

IRRIGATION PLAN			
DATE	DESCRIPTION	REVISIONS	1:20
1/29/2012	<i>M. H. M.</i>		



PARTIAL IRRIGATION PLAN

M. H. M.
MATCH LINE - SEE SHEET 27 FOR CONTINUATION

TO MAYAN
DRIVE

CONTRACTOR SHALL COORDINATE WITH CITY OF FT.
LAUDERDALE PARKS & REC. DEPARTMENT (CONTACT TIM
SOUTHBY 954-628-5394) FOR WATERING CONTRACT OR
TEMPORARY IRRIGATION BUBBLERS FOR NEW RELOCATED
PALMS ON SOUTH SIDE OF S.E. 17TH STREET.

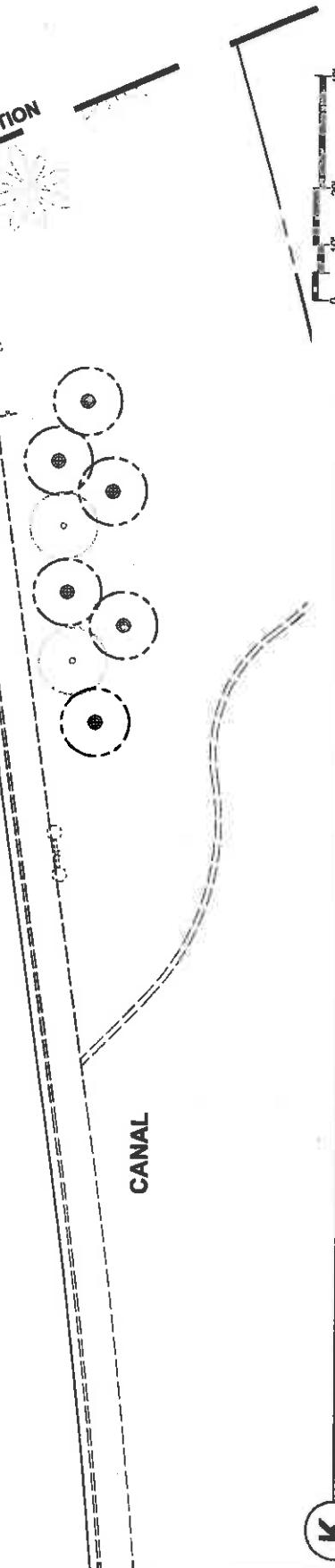
S.E. 17th STREET
(SEABREEZE BLVD.)

TO S.E. 23^d AVENUE

CANAL

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.

CANAL



IRRIGATION PLAN			
DATE	DESCRIPTION	REVISIONS	1:20
1/29/2012	<i>M. H. M.</i>		

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

TO S.E. 23rd AVENUE

MATCH LINE - SEE SHEET 26 FOR CONTINUATION

MAYAN DRIVE

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/R.O.W. IN
WHICH THE SYSTEM WAS ORIGINALLY DESIGNED TO WATER.

NEW BUBBLERS AND $\frac{3}{4}$ " LATERALS SHALL BE
INSTALLED, CONNECTING TO EXISTING LATERALS.
(SEE IRRIGATION SCHEDULED DETAILS, TYPICAL)

43

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
SOUTH BY 954-428-5394) FOR WATERING CONTRACT OR
TEMPORARY IRRIGATION BUBBLERS FOR NEW/RELOCATED
PALMS ON SOUTH SIDE OF S.E. 17th STREET.

END PROJECT (S.R. AIA)
M.P. I.G32

MAYAN DRIVE

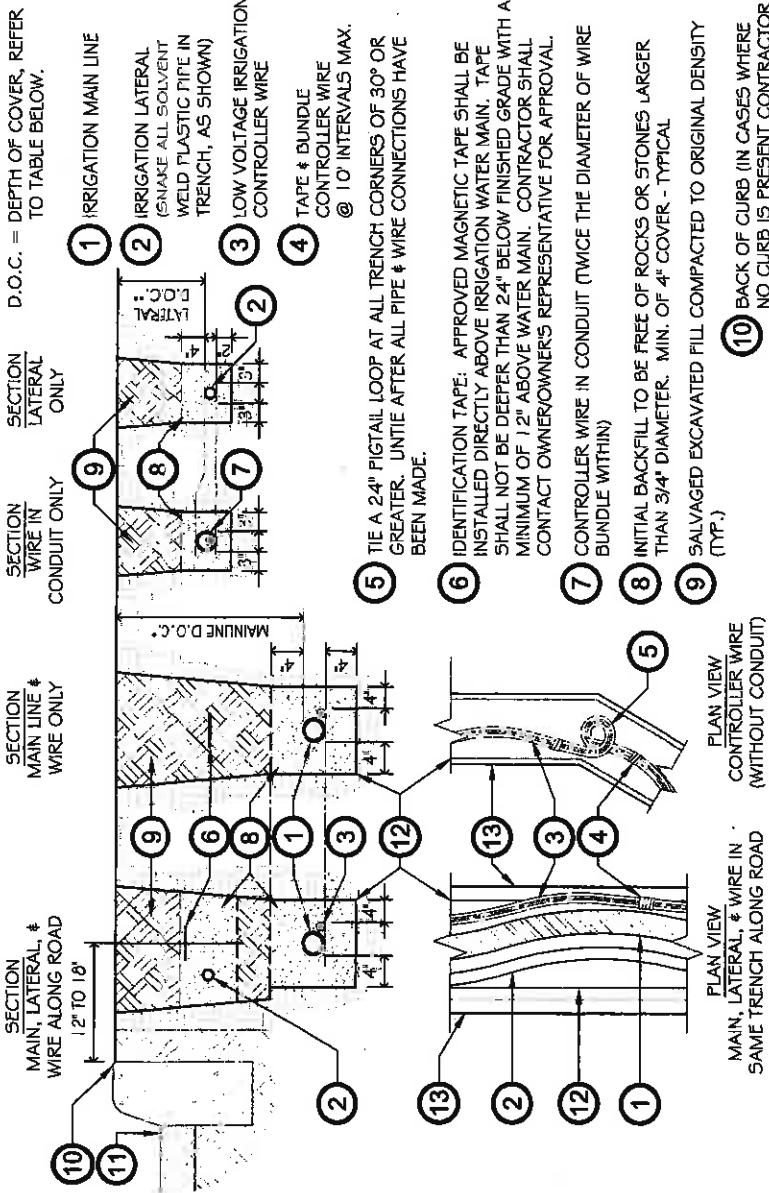
NOV 29, 2012

L PARTIAL IRRIGATION PLAN

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	IRRIGATION PLAN	DATE	SHEET NO.
11/29/2012 3:04:31 PM	P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CAID_Files\Broward\Irrigation\125311-Irrigation_Plans.dwg			A1A	BROWARD	431108-1-58-01	11/29/12	11/29/12	27

11/29/2012 3:04:31 PM P:\Projects\2012\125311 SE 17 St Causeway Beautification Grant\CAID_Files\Broward\Irrigation\125311-Irrigation_Plans.dwg

KEYNOTE SCHEDULE



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

NOTE: ALL PIPE BEHIND PAVED SURFACES MUST BE SLEEVED:

32820-01

1 TYPICAL IRRIGATION TRENCH DETAIL

N.T.S.

REVISIONS	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE

IRRIGATION DETAILS

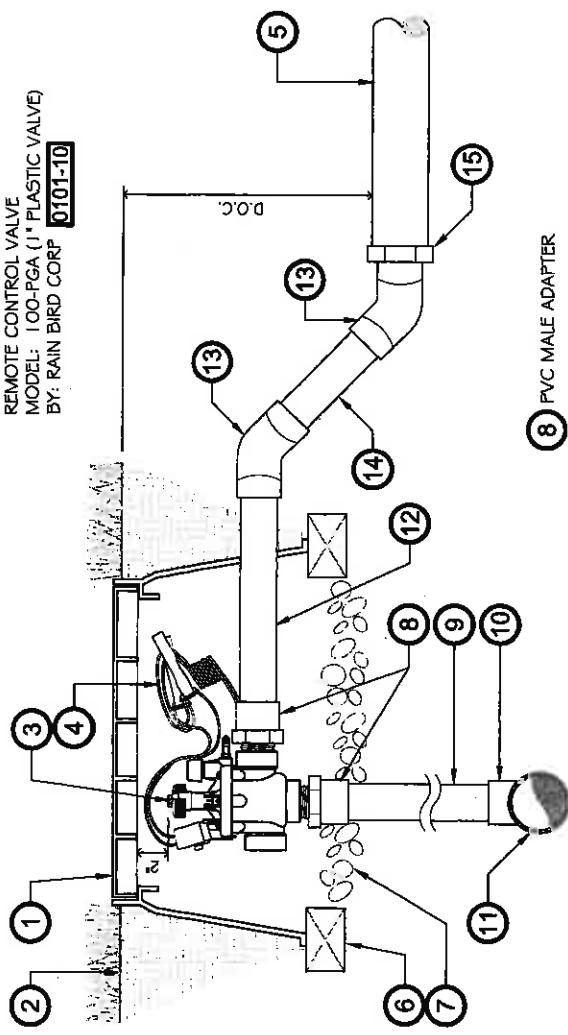
Landscape Architect of Record: Michael C. Gaudiano, AIA Project Manager: Michael C. Gaudiano, AIA ECCENTRICAL SOLUTIONS, INC. 1001 Main Street, Suite 400, Fort Lauderdale, Florida 33316 Phone: 954.423.1799 Fax: 954.421.1607 Contractor of Irrigation Construction Gaudiano Co., Inc. dba Gaudiano Co., Inc.	S.R. A1A (SE 17 ST CAUSEWAY) BEAUTIFICATION GRANT	COUNTY	ROAD NO.	FINANCIAL PROJECT ID
		A1A	BROWARD	431108-1-58-01

USER: irrigationdata
11/25/2012 2:04:47 PM PT Project: \2012\125311 SE 17 St Causeway Beautification Grant\GDD File\Drawings\125311-100-Notes.dwg

NOV. 29, 2012	1-29-12	SHEET NO.
		28

- 1 RAIN BIRD CORPORATION
6991 EAST SOUTHPOINT RD.
TUCSON, AZ 85756
1-800-724-6247
FAX (520) 741-6100
WWW.RAINBIRD.COM
32. EXTERIOR IMPROVEMENTS
- 2 SLEEVE BELOW ALL HARDSCAPE ELEMENTS (PAVED SURFACES, PRIVATE ROADS, WALKS, CONCRETE PADS, PAVERS, ETC.) WITH HDPE DR 11, SCH40 PVC OR PR200 PIPE, WHICHEVER 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 PIPE BUNDLE TRAVELING WITHIN IT. THE MINIMUM SLEEVE SIZE SHALL BE 2" INSIDE DIAMETER).
- 3 ALL ROADWAY CROSSINGS IN EXISTING PAVEMENT SHALL BE DIRECTIONAL BORING, UNLESS WRITTEN PERMISSION HAS BEEN GRANTED FOR ROADWAY CUTTING.
- 4 ALL SLEEVES SHALL BE CAPPED WITH A PVC SCH. 40 SLEEVE CAP, USE DUCT TAPE TO SECURE IN PLACE AND KEEP DEBRIS 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).
- 5 ALL IRRIGATION SLEEVES WITHIN PUBLIC RIGHT-OF-WAYS SHALL BE INSTALLED AS PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS INDEX NO. 1772-1-CONDUT INSTALLATION DETAILS.
- 6 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.

REMOTE CONTROL VALVE
MODEL: 100-PGA (1" PLASTIC VALVE)
BY: RAIN BIRD CORP [0101-10]



- (1) VALVE BOX & COVER (CARSON 1419-12)
- (2) FINISH GRADE
- (3) RAINBIRD PGA ANGLE REMOTE CONTROL VALVE MODEL NO. 100-PGA (SIZE PER PLAN)
- (4) CONTROL WIRES WITH 12" MIN. SERVICE COIL AND WATERPROOF WIRE SPLICING 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 (T.P.)
- (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

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2

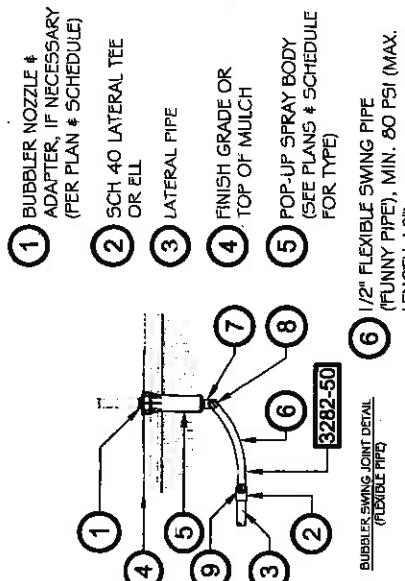
1" ELECTRIC REMOTE CONTROL VALVE, ANGLE (1")

N.T.S.

3 322403.56-01

3 BUBBLER ON 4" POP-UP

N.T.S.



- (1) BUBBLER NOZZLE & ADAPTER, IF NECESSARY (PER PLAN & SCHEDULE)
- (2) SCH 40 LATERAL TEE OR ELL
- (3) LATERAL PIPE
- (4) FINISH GRADE OR TOP OF MULCH
- (5) POP-UP SPRAY BODY (SEE PLANS & SCHEDULE FOR TYPE)
- (6) 1/2" FLEXIBLE SWING PIPE ("FUNNY PIPE"), MIN. 80 PSI (MAX. LENGTH 18')
- (7) 1/2" MARLEX STREET ELL
- (8) 1/2" MALE NPT x SPIRAL BARB ELBOW
- (9) 1/2" MALE NPT x SPIRAL BARB ELBOW AND, IF NECESSARY, 1/2" MARLEX STREET ELL
- (10) TREE TRUNK & ROOTS
- (11) TYPICAL LATERAL PIPE, AVOID TRENCHING ACROSS EXISTING TREE ROOTS WITHIN DRIFTLINE.
- (12) INSTALL BUBLERS ON OPPOSITE SIDES OF TREE (OR EQUALLY SPACED AROUND TRUNK, SEE PLANS FOR QUANTITY)
- (13) EXTEND LATERAL PIPE AND FUNNY PIPE TOWARDS TRUNK, PLACE BUBLERS APPROXIMATELY 3' FROM TREE
- (14) BUBBLER LAYOUT PLAN VIEW

NOV. 29, 2012

DATE	REVISIONS	DESCRIPTION	DATE	DATE	S.R. #1A1 SE 17 ST CAUSEWAY BEAUTIFICATION GRANT	IRRIGATION DETAILS	DATE	SHEET NO.
11/29/2012 3:04:56 PM	P	Project > 2012 \ 125311 SE 17 St Causeway Beautification Grant \ ADD File \ Drawings \ 125311 - 2010 - NOTES.dwg	A1A	BROWARD	431108-1-58-01	John D.	11/29/2012	29

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)(I), 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 10th 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

<u>Agency:</u>	<u>Catalog of State Financial Assistance (Number & Title)</u>	<u>Amount</u>
Agency: City of Fort Lauderdale	FM#:431108-1-58-01	
State Agency	Catalog of State Financial Assistance (Number & Title)	Amount
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.

DUNS No. 072219595
CSFA No. 55.023

FM No. 431108-1-58-01
FEID No: VF-59-6000219001

EXHIBIT F

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