

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**, 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 435710-1-78-01** for landscape improvements in the **City of Fort Lauderdale, Florida, State Road A1A from (N. Atlantic Boulevard (M.P. 4.456) to Oakland Park Boulevard (M.P. 5.382) Fort Lauderdale, Florida**, herein after referred to as the Project. Refer to **Exhibit "A"** for a detailed Scope of Services and **Exhibit "B"** 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. 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 **Two Hundred Thirty Nine Thousand Dollars Ninety Six Dollars and no cents (\$239,096.00)**. 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 Thousand Dollars and No Cents (\$100,000.00)** 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) This Agreement and **Exhibit "C"**, attached hereto and made a part hereof shall act to supersede the requirements of PARTICIPANT to secure a separate DEPARTMENT permit. The DEPARTMENT shall retain any rights in relation to the PARTICIPANT as if it has issued a permit.
- 7) The PARTICIPANT shall:
  - (a) 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) 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.
- 8) 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 (2015), as amended unless otherwise approved by the DEPARTMENT in writing.

Construction Engineering Inspection (CEI) services will be provided at the PARTICIPANT'S 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. The PARTICIPANT is hereby precluded from having the same consultant firm providing design services.
- 9) The PARTICIPANT is obligated to fulfill all of its obligations as set forth in this Agreement and to commence construction of the Project within six (6) months of the execution of this Agreement by all parties
- 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, 2016, whichever occurs first. The DEPARTMENT and PARTICIPANT may agree to extend this Agreement in writing. The PARTICIPANT shall delegate signature authority for the PARTICIPANT to 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 "D"** Deliverables, attached hereto and made apart hereof. The PARTICIPANT will need DEPARTMENT approval if deviating from these deliverables and the Landscape Plans as shown in **Exhibit "B"** when approved by the DEPARTMENT.

The PARTICIPANT will be reimbursed for actual expenses incurred during the Agreement time period that are directly related to the installation of landscape and irrigation 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 who will be responsible for inspection and acceptance of the landscape improvements contemplated in this Agreement.

- 13) Upon completion and authorized by this Agreement, the PARTICIPANT shall notify the DEPARTMENT in writing of the completion; and for all design work that originally required certification by a Registered Landscape Architect, this notification shall contain a Landscape Architect's Certification of Compliance, signed and sealed by a Registered Landscape Architect. The certification shall state that work has been completed in compliance with the Project construction plans and specifications. If any deviations per paragraph number 12 are found from the approved plans, the certification shall include a list of all deviations along with an explanation that justifies the reason to accept each deviation."
- 14) The PARTICIPANT shall agree to maintain all landscape improvements at its sole cost and expense and in accordance with the terms of the Landscape Maintenance Memorandum of Agreement attached hereto and made a part hereof as **Exhibit "E"**.
- 15) 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 may not be paid.
- 16) 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**.
- 17) Invoices shall be submitted quarterly 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 "D"**. Deliverables must be received and accepted in writing by the DEPARTMENT'S Project Manager prior to payments.
- 18) 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.

- 19) 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.
- 20) 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.
- 21) A Vendor Ombudsman has been established within the Department of Financial Services. The duties of this individual include acting as an advocate for Participant's contractors 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.
- 22) 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.
- 23) 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."

- 24) 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.
- 25) In a contract executed between the PARTICIPANT and one or more contractors arising out of this Agreement, such contract shall state that:

To the fullest extent permitted by law the PARTICIPANT contractor shall indemnify and hold harmless the PARTICIPANT, the State of Florida, Department of Transportation, and its officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of contractor and persons employed or utilized by contractor in the performance of this Contract.

This indemnification shall survive the termination of this Agreement. Nothing contained in this paragraph is intended to nor shall it constitute a waiver of the State of Florida and PARTICIPANT'S sovereign immunity.

In a contract executed between the PARTICIPANT and one or more consultants arising out of this Agreement, such contract shall state that:

To the fullest extent permitted by law, the PARTICIPANT'S consultant shall indemnify and hold harmless the PARTICIPANT, the State of Florida, Department of Transportation, and its officers and employees from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorney fees to the extent caused, in whole or in part, by the professional negligence, error or omission, recklessness, or intentional wrongful conduct of the consultant or persons employed or utilized by the consultant in the performance of the Agreement.

This indemnification shall survive the termination of this Agreement. Nothing contained in this paragraph is intended to nor shall it constitute a waiver of the State of Florida and PARTICIPANT'S sovereign immunity.

- 26) 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.
- 27) 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 Landscape Maintenance Memorandum of Agreement between the DEPARTMENT and the PARTICIPANT which is included as Exhibit "E". 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.

- 28) 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 N. Andrews Avenue  
Fort Lauderdale, Florida 33301  
City Manager

With a Copy to: City Attorney

29. LIST OF EXHIBITS

Exhibit A: Scope of Services  
Exhibit B: Project Plans  
Exhibit C: Permit Requirements  
Exhibit D: Deliverables  
Exhibit E: Landscape 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 \_\_\_\_\_, hereto attached.

**WITNESSES:**

**CITY OF FORT LAUDERDALE**

\_\_\_\_\_

[Witness type/print name]

\_\_\_\_\_  
John P. "Jack" Seiler, Mayor

\_\_\_\_\_

[Witness type/print name]

\_\_\_\_\_  
Lee R. Feldman, City Manager

**ATTEST:**

\_\_\_\_\_  
Jonda K. Joseph, City Clerk

**APPROVED AS TO FORM:**

\_\_\_\_\_  
Cole J. Copertino, Assistant City Attorney

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_  
Director of Transportation Development

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

Legal Review Date

Office of the General Counsel



## EXHIBIT A

### SCOPE OF SERVICES

The PARTICIPANT (City of Fort Lauderdale) agrees to make certain landscape improvements on **State Road A1A from (N. Atlantic Boulevard) (M.P. 4.456) to Oakland Park Boulevard (M.P. 5.382) Fort Lauderdale, Florida**, and will subsequently furnish, construct, and inspect the landscape as shown in the plans and specifications prepared by **Michael D. Conner, RLA, January 14, 2015**. Work on the plans, "to be done by others", or "not in this project" shall not be performed under this agreement and shall not be reimbursed, nor is permission to perform this work on State right of way granted. 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 500 ft. view zone for permitted outdoor advertising signs per Florida Statutes 479.106.
- (d) Landscape 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) If there is a need to restrict the normal flow of traffic it shall be done in accordance with the Maintenance of Traffic Plan (see **Exhibit "B"**), 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.
- (h) The PARTICIPANT shall be responsible to clear all utilities within the Project limits.

**EXHIBIT B**  
**PROJECT PLANS**

Please see attached plans prepared by:

**Michael D. Conner, RLA,**  
**Calvin, Giordano and Associates Inc.**

**and**

**Dated: January 14, 2015**

**STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION**

**CONTRACT PLANS**

FINANCIAL PROJECT ID: 435710-1-78-01

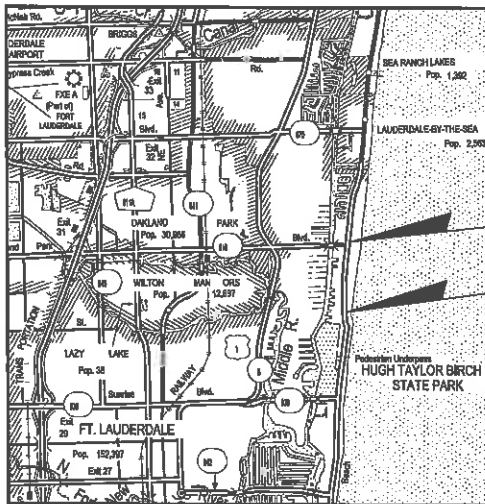
BROWARD COUNTY (33062/33308)

STATE ROAD NO. A1A

**LANDSCAPE PLANS**

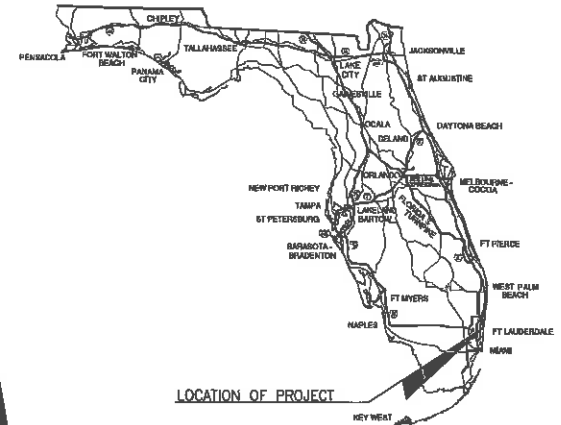
S.R. A1A

FROM NORTH ATLANTIC BLVD. (M.P. 4.456) TO  
OAKLAND PARK BLVD. (M.P. 5.382)



END PROJECT  
S.R. A1A  
M.P. 5.382

BEGIN PROJECT  
S.R. A1A  
M.P. 4.456



LOCATION OF PROJECT

PLANS PREPARED BY:



**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS®  
1800 Ekor Drive, Suite 600, Fort Lauderdale, Florida 33316  
Phone: 954.821.7761 • Fax: 954.821.2807  
Certificate of Registration: LC00000338  
VERDOR LA, INC. 85-001-2866

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

**INDEX OF LANDSCAPE PLANS**

SHEET NO.	SHEET DESCRIPTION
0	COVER SHEET
1	OVERALL KEY MAP & NOTES
2-3	TREE SURVEY STATUS CHART
4-5	PLANT SCHEDULES
6-23	DISPOSITION PLAN
24	NOT USED
25-42	LANDSCAPE PLAN
43	IRRIGATION NOTES & SCHEDULE
44-61	IRRIGATION PLAN
62	TRAFFIC CONTROL PLAN

**GOVERNING STANDARDS AND SPECIFICATIONS:**

Florida Department of Transportation, 2015 Design Standards and revised Index Drawings as appended herein, and 2015 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/index/>

**A1A DESIGN SPEED: 35MPH**

**MAINTAINING AGENCY: CITY OF FT. LAUDERDALE**

Contact: Mark Almy  
Beach Beautification Mgr.

City of Fort Lauderdale  
Parks & Recreation Dept.  
71350 West Broward Blvd.  
Fort Lauderdale, FL 33312  
(954) 828-5869  
MAlmy@fortlauderdale.gov

KEY SHEET REVISIONS	
DATE	DESCRIPTION
07/11/14	Revised per FDOT comments
9/23/14	Revised per ERC comments
11/5/14	Second Revised per ERC comments
01/12/15	Revised per Final Agreement

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

R.L.A. NO. LICENSE No. 1181  
*Michael Conner*  
1-1A-15

FISCAL YEAR	SHEET NO.
2014	0

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

USER: opereda 1/12/2015 5:30:48 PM P:\Projects\2014\146777 Florida HBC Grant Project\CADD Files\Drawings\146777-L-COVERSHEET.dwg

JANUARY 12, 2015

# GENERAL NOTES:

- GOVERNING STANDARDS FOR CONSTRUCTION & INSTALLATION SHALL BE AS PER THE FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD INDEX 544 AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND 2015 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PLEASE NOTE THAT GOVERNING SPECIFICATIONS FOR LANDSCAPE INSTALLATION SHALL BE MODIFIED SPECIAL PROVISION (MSP) AS PROVIDED IN TECHNICAL SPECIFICATIONS AND BID DOCUMENTS.
- FDOT INDEX CAN BE FOUND AT THE FOLLOWING WEBPAGE:  
<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>
- STATE LAW MANDATES CONTACTING 'SUNSHINE STATE ONE-CALL OF FLORIDA, INC.' AT 811 OR 1-800-432-4770, AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL VIDEO TAPE WORK AREAS BEFORE (WORK COMMENCES) TO IDENTIFY EXISTING CONDITIONS, IF CEI NOT PRESENT ON PROJECT. DAMAGES TO CURBS AND ASPHALT DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED BY CONTRACTOR TO THE SATISFACTION OF FDOT, THESE REPAIRS OR REPLACEMENTS BY CONTRACTOR SHALL BE AT HIS SOLE EXPENSE.
- CONTRACTOR(S) MUST OBTAIN FDOT PERMITS, AND SEPARATE LANDSCAPE, IRRIGATION & TREE RELOCATION/REMOVAL PERMITS FROM THE GOVERNING AGENCIES, AS REQUIRED.
- LANDSCAPE CONTRACTOR MUST CALL THE LANDSCAPE INSPECTOR WITH THE GOVERNING AGENCY TO SCHEDULE A PRE CONSTRUCTION MEETING, ALONG WITH THE OWNERS REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO ANY SITE PREPARATION.
- ALL CLEARING, GRUBBING, EXCAVATION, FILL AND DISPOSAL OF ALL CONSTRUCTION MATERIAL IS INCIDENTAL TO WORK, AND SHALL BE INCLUDED IN THE CONTRACT.
- CONTRACTOR SHALL CONTACT FDOT 'OPERATIONS' FOR DIRECTION AS TO THE DISPOSAL OF EXCAVATED FILL. BROWARD OPERATIONS: CONTACT ADRIAN CROUCH MAINTENANCE PROGRAM MANAGER AT (954) 958-7643.
- 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.
- CONTRACTOR SHALL MAINTAIN A HORIZONTAL CLEAR ZONE, AS DEFINED PER FDOT INDEX 700.

11. CONTRACTOR SHALL INSURE THAT NO SIGNS WILL BE BLOCKED DURING NEW MEDIAN PLANTING, AND THAT NO PLANT MATERIAL WILL BE BLOCKING ANY SIGN.

## PLANTING NOTES:

- CONTRACTOR SHALL INSTALL PLANT MATERIAL AS DETAILED IN FDOT STANDARD INDEX 544 LANDSCAPE INSTALLATION CURRENT EDITION.
- 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.

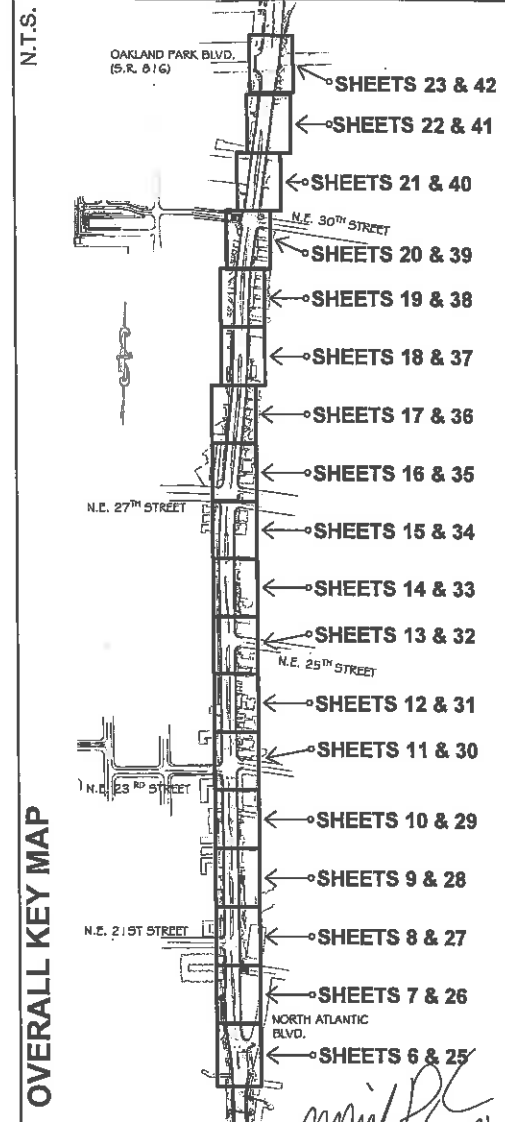
## UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY

- BE ADVISED THAT UNDERGROUND UTILITIES SHOWN ON PLANS ARE APPROXIMATIONS, AND MAY NOT REFLECT ALL EXISTING UNDERGROUND UTILITIES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL 811 OR 1-800-432-4770 (SUNSHINE STATE ONE CALL) A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION, AS PER CHAPTER 556 OF THE FLORIDA STATUTES.

CALL 48 HOURS BEFORE  
YOU DIG IN FLORIDA, ITS THE LAW!  
**811 or 1-800-432-4770**  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.



## OVERALL KEY MAP



NOVEMBER 5, 2014

## OVERALL KEY MAP & NOTES

DATE		DESCRIPTION		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per EDC comments				
11/5/14	Second Revised per EDC comments				

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRELL, R.L.A., LICENSE NO. 11181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1870 S.W. 11th Ave., Suite 100, Fort Lauderdale, Florida 33316  
 Phone: 954.521.7781 • Fax: 954.521.2207  
 Certificate of Accreditation LC00000289  
 VENDOR I.D. NO. 05-081-2808

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

SHEET NO.
1

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# TREE SURVEY STATUS CHART

TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DBH (")	CANOPY AREA (Sq Ft)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY ( A1A )												
101	Cabbage Palm	Sabal Palmetto	X	-	-	X						POOR CONDITION
102	Cabbage Palm	Sabal Palmetto	X					X				ALL RELOCATED SABAL PALMS TO BE MOVED OFF-SITE, AS DIRECTED BY CITY(TYPICAL)
103	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
104*	Cabbage Palm	Sabal Palmetto	X					X				
105*	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
106*	Cabbage Palm	Sabal Palmetto	X					X				
107*	Cabbage Palm	Sabal Palmetto	X			X						WOUND ON TRUNK
108	Cabbage Palm	Sabal Palmetto	X					X				
109	Cabbage Palm	Sabal Palmetto	X					X				
110	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
111	Cabbage Palm	Sabal Palmetto	X			X						CROOKED TRUNK, POOR CONDITION
112	Chinese Fan Palm	Livistona chinensis						X				Double Fan Palm - TO BE RELOCATED OFF-SITE, AS DIRECTED BY CITY (TYPICAL)
113	Cabbage Palm	Sabal Palmetto	X					X				
114	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
115	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
116	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
117	Cabbage Palm	Sabal Palmetto	X			X						WOUND ON TRUNK
118	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
119	Ligustrum	Ligustrum japonicum				X						POOR CONDITION
120	Ligustrum	Ligustrum japonicum				X						POOR CONDITION
121	Black Olive Tree	Bucida buceras		30"		X						INVASIVE ROOTS MESSY
122	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
123	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
124	Cabbage Palm	Sabal Palmetto	X			X						WOUND ON TRUNK
125	Cabbage Palm	Sabal Palmetto	X					X				
126	Cabbage Palm	Sabal Palmetto	X					X				
127	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
128	Cabbage Palm	Sabal Palmetto	X					X				
129	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
130	Cabbage Palm	Sabal Palmetto	X			X						WOUND ON TRUNK
131	Cabbage Palm	Sabal Palmetto	X					X				
132	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
133	Cabbage Palm	Sabal Palmetto	X			X						CROOKED TRUNK, POOR CONDITION
134	Ligustrum	Ligustrum japonicum		-	-	X						POOR CONDITION
135	Ligustrum	Ligustrum japonicum				X						POOR CONDITION
136	Black Olive Tree	Bucida buceras		32"		X						INVASIVE ROOTS, WOUND ON RUNK
137	Cabbage Palm	Sabal Palmetto	X					X				
138	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
139	Cabbage Palm	Sabal Palmetto	X					X				
140	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
141	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
142	Cabbage Palm	Sabal Palmetto	X					X				
143	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
144	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
145	Black Olive Tree	Bucida buceras		36"		X						INVASIVE ROOTS, POOR CONDITION
146	Black Olive Tree	Bucida buceras		22"		X						INVASIVE ROOTS, POOR CONDITION
147	Black Olive Tree	Bucida buceras		20"		X						INVASIVE ROOTS, WOUND ON TRUNK
148	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
149	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION

<b>REVISIONS</b> DATE DESCRIPTION 07/11/14 Revised per FDOT comments 9/23/14 Revised per ERC comments 11/3/14 Second Revised per ERC comments		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO.11181 <b>CAVIN, GIORDANO &amp; ASSOCIATES, INC.</b> EXCEPTIONAL SOLUTIONS 1800 Old Dixie Highway, Suite 101, Fort Lauderdale, Florida 33316 Phone: (954) 521-5781 Fax: (954) 521-8897 Certificate of Registration: LC200000338 VERMONT L.B. NO. 65-201-3399		<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b> ROAD NO. COUNTY FINANCIAL PROJECT ID A1A BROWARD 435710-1-78-01		<b>TREE SURVEY STATUS CHART</b> SHEET NO. 2	
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NOVEMBER 5, 2014

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FLA15

# TREE SURVEY STATUS CHART

TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DBH (in)	CANOPY AREA (Sq Ft)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY ( A1A )												
150	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
151	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
152	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
153	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
154	Black Olive Tree	Bucida buceras		26"		X						POOR CONDITION
155	Ligustrum	Ligustrum japonicum				X						INVASIVE ROOTS, POOR CONDITION
156	Ligustrum	Ligustrum japonicum				X						POOR CONDITION
157	Black Olive Tree	Bucida buceras		22"		X						POOR CONDITION
158	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, WOUND ON TRUNK
159	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, CROOKED TRUNK
160	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, CROOKED TRUNK
161	Cabbage Palm	Sabal Palmetto	X					X				POOR CONDITION, CROOKED TRUNK
162	Silver Buttonwood	Conocarpus erectus	X	10"		X						POOR CONDITION
163	Silver Buttonwood	Conocarpus erectus	X	10"		X						POOR CONDITION
164	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
165	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
166	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
167	Cabbage Palm	Sabal Palmetto	X					X				POOR CONDITION
168	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, WOUND ON TRUNK
169	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, WOUND ON TRUNK
170	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, WOUND ON TRUNK
171	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, WOUND ON TRUNK
172	Cabbage Palm	Sabal Palmetto	X					X				POOR CONDITION, WOUND ON TRUNK
173	Cabbage Palm	Sabal Palmetto	X					X				
174	Cabbage Palm	Sabal Palmetto	X					X				
175	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
176	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
177	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
178	Ligustrum	Ligustrum japonicum				X						POOR CONDITION
179	Ligustrum	Ligustrum japonicum				X						POOR CONDITION
180	Black Olive Tree	Bucida buceras		26"		X						POOR CONDITION
181	Black Olive Tree	Bucida buceras		28"		X						INVASIVE ROOTS, POOR CONDITION
182	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, WOUND ON TRUNK
183	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
184	Cabbage Palm	Sabal Palmetto	X					X				POOR CONDITION
185	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
186	Black Olive Tree	Bucida buceras		24"		X						POOR CONDITION
187	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, INVASIVE ROOTS
188	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, INVASIVE ROOTS
189	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, INVASIVE ROOTS
190	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, INVASIVE ROOTS
191	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, INVASIVE ROOTS
192	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION, INVASIVE ROOTS
193	Black Olive Tree	Bucida buceras		36"		X						POOR CONDITION, INVASIVE ROOTS
194	Cabbage Palm	Sabal Palmetto	X					X				INVASIVE ROOTS, WOUND ON TRUNK
195	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
196	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
197	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
198	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
199	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
200	Cabbage Palm	Sabal Palmetto	X			X						POOR CONDITION
201	Black Olive Tree	Bucida buceras		28"		X						INVASIVE ROOS, POOR CONDITION

<b>REVISIONS</b> DATE DESCRIPTION 07/11/14 Revised per PDC comments 9/23/14 Revised per ERC comments 11/5/14 Second Revised per ERC comments		LANDSCAPE ARCHITECT OF RECORD: MICHAEL COMBER, R.L.A., LICENSE NO. 1511 <b>CAVIN, GORDANO &amp; ASSOCIATES, INC.</b> EXCEPTIONAL SOLUTIONS 1000 Old Chino, Suite 400, Fort Lauderdale, Florida 33316 Phone 754.321.7781 • Fax 754.321.7789 Certificate of Authorization LC30000339 VERIFIED I.D. NO. 85-001-3869	<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b> ROAD NO. COUNTY FINANCIAL PROJECT ID A1A BROWARD 435710-1-78-01	<b>TREE SURVEY STATUS CHART</b> SHEET NO. 3
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NOVEMBER 15, 2014


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1-14-15

# 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 25 TO 28		GRAND TOTAL	
											25		26		27		28					
											PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
N/A	N/A	CNG	Cocos nucifera 'Green Malayan'	Coconut Palm	12'-16' G.W.	N/A	AS NOTED			EA.								3		36		
N/A	N/A	PES	Physcosperma elegans	Solitaire Palm - Single	12'-14' C.T.	N/A	AS NOTED			EA.			5					6		13		
N/A	N/A	VMM	Veitchia montgomeryana	Montgomery Palm	12'-14' C.T.	N/A	AS NOTED			EA.										10		
N/A	N/A	ABO	Aechmea blanchetiana 'Dean'	'Dean' Bromeliads	3 Gal., 18" Ht.X15"	36" Ht.	24" O.C.			EA.					40		21		61		986	
N/A	N/A	ACB	Neoregelia 'orange crush'	Orange crush bromeliad	3 Gal., 15" Ht.X15"	18" Ht.	24" O.C.			EA.				95	60		67		222		972	
N/A	N/A	CES	Conocarpus erectus 'Sencius'	Silver Buttonwood	3 Gal., 24" Ht.X18"	48" Ht.	18" O.C.	Yes	Yes	EA.					40		45		85		1,051	
N/A	N/A	FMG	Ficus microcarpa 'Green Island'	Green Island Ficus	3 Gal., 15" Ht.X15"	24" Ht.	24" O.C.			EA.					80		119		190		1,730	
N/A	N/A	TDF	Tripsacum flondanum	Dwarf Fakahatchee Grass	3 Gal., 24" Ht.X24"	48" Ht.	42" O.C.	Yes	Yes	EA.							14		14		129	
N/A	N/A	JUN	Juniperus chinensis 'parsoni'	Parson's Juniper	3 Gal., 12" Ht.X12"	15" Ht.	18" O.C.			EA.			574		501		414		1,489		4,341	

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 29 TO 32		GRAND TOTAL	
											29		30		31		32		29 TO 32		GRAND TOTAL	
											PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
N/A	N/A	CNG	Cocos nucifera 'Green Malayan'	Coconut Palm	12'-16' G.W.	N/A	AS NOTED			EA.								10		36		
N/A	N/A	PES	Psychosperma elegans	Solitaire Palm - Single	12'-14' C.T.	N/A	AS NOTED			EA.					8		2				13	
N/A	N/A	VMM	Veitchia montgomeryana	Montgomery Palm	12'-14' C.T.	N/A	AS NOTED			EA.	3								3		10	
N/A	N/A	ABO	Aechmea blanchetiana 'Dean'	'Dean' Bromeliads	3 Gal., 18" Ht.X15"	36" Ht.	24" O.C.			EA.					231		23		254		986	
N/A	N/A	ACB	Neoregelia 'orange crush'	Orange crush bromeliad	3 Gal., 15" Ht.X15"	18" Ht.	24" O.C.			EA.	130						64		194		972	
N/A	N/A	CES	Conocarpus erectus 'Sencius'	Silver Buttonwood	3 Gal., 24" Ht.X18"	48" Ht.	18" O.C.	Yes	Yes	EA.	84				249		30		363		1,051	
N/A	N/A	FMG	Ficus microcarpa 'Green Island'	Green Island Ficus	3 Gal., 15" Ht.X15"	24" Ht.	24" O.C.			EA.					313		49		361		1,730	
N/A	N/A	TDF	Tripsacum flondanum	Dwarf Fakahatchee Grass	3 Gal., 24" Ht.X24"	48" Ht.	42" O.C.	Yes	Yes	EA.					15		15		30		129	
N/A	N/A	JUN	Juniperus chinensis 'parsoni'	Parson's Juniper	3 Gal., 12" Ht.X12"	15" Ht.	18" O.C.			EA.							454		454		4,341	

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 33 TO 36		GRAND TOTAL				
											33		34		35		36								
											PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN
N/A	N/A	CNG	Cocos nucifera 'Green Malayan'	Coconut Palm	12'-16' G.W.	N/A	AS NOTED			EA.								8		8		36			
N/A	N/A	PES	Psychosperma elegans	Solitaire Palm - Single	12'-14' C.T.	N/A	AS NOTED			EA.			3						3		3		13		
N/A	N/A	VMM	Veitchia montgomeryana	Montgomery Palm	12'-14' C.T.	N/A	AS NOTED			EA.					3				4		7		10		
N/A	N/A	ABO	Aechmea blanchetiana 'Dean'	'Dean' Bromeliads	3 Gal., 18" Ht.X15"	36" Ht.	24" O.C.			EA.								128		128			986		
N/A	N/A	ACB	Neoregelia 'orange crush'	Orange crush bromeliad	3 Gal., 15" Ht.X15"	18" Ht.	24" O.C.			EA.					130			98		168		386		972	
N/A	N/A	CES	Conocarpus erectus 'Sencius'	Silver Buttonwood	3 Gal., 24" Ht.X18"	48" Ht.	18" O.C.	Yes	Yes	EA.								180		180			1,051		
N/A	N/A	FMG	Ficus microcarpa 'Green Island'	Green Island Ficus	3 Gal., 15" Ht.X15"	24" Ht.	24" O.C.			EA.								240		240			1,730		
N/A	N/A	TDF	Tripsacum flondanum	Dwarf Fakahatchee Grass	3 Gal., 24" Ht.X24"	48" Ht.	42" O.C.	Yes	Yes	EA.								16		16			129		
N/A	N/A	JUN	Juniperus chinensis 'parsonii'	Parson's Juniper	3 Gal., 12" Ht.X12"	15" Ht.	18" O.C.			EA.	112		602		501			851		1,886			4,341		

REVISIONS				LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRIE, F.L.A., LICENSE #141141		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			PLANT SCHEDULES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		Calvin, Giordano & Associates, Inc. EXCEPTIONAL SOLUTIONS	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
07/11/14	Revised per FDOT comments				1800 Blue Drive, Suite 400, Fort Lauderdale, Florida 33316	A1A	BROWARD	435710-1-78-01			
9/23/14	Revised per ERC comments				Phone 754.521.1779 • Fax 754.521.1437						
11/5/14	Second Revised per ERC comments				Certificate of Registration: LC00000339						
01/12/15	Revised per Final Agreement				VENDOR I.D. NO. 06-001-1393						

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JANUARY 12, 2015

Min D.C.  
1/11/15

# 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 37 TO 40		GRAND TOTAL	
											37		38		39		40					
											PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
N/A	N/A	CNG	Cocos nucifera 'Green Malayan'	Coconut Palm	12'-16' G.W.	N/A	AS NOTED			EA.	2		8		2		5		17		36	
N/A	N/A	PES	Physcosperma elegans	Solitaire Palm - Single	12'-14' C.T.	N/A	AS NOTED			EA.						2		2		13		
N/A	N/A	VMM	Veitchia montgomeryana	Montgomery Palm	12'-14' C.T.	N/A	AS NOTED			EA.										10		
N/A	N/A	ABO	Aechmea blanchetiana 'Dean'	'Dean' Bromeliads	3 Gal., 18" Ht.X15" W.	36" Ht.	24" O.C.			EA.	25		249		28		120		420		986	
N/A	N/A	ACB	Neoregelia 'orange crush'	Orange crush bromeliads	3 Gal., 15" Ht.X15" W.	18" Ht.	24" O.C.			EA.	85				76				161		972	
N/A	N/A	CES	Conocarpus erectus 'Sencius'	Silver Buttonwood	3 Gal., 24" Ht.X18" W.	48" Ht.	18" O.C.	Yes	Yes	EA.	42		240		42		98		423		1,051	
N/A	N/A	FMG	Ficus microcarpa 'Green Island'	Green Island Ficus	3 Gal., 15" Ht.X15" W.	24" Ht.	24" O.C.			EA.	69		290		108		340		807		1,730	
N/A	N/A	TDF	Tripsacum flondanum	Dwarf Fakahatchee Grass	3 Gal., 24" Ht.X24" W.	48" Ht.	42" O.C.	Yes	Yes	EA.	14		15		16		24		69		129	
N/A	N/A	JUN	Juniperus chinensis 'parsoni'	Parson's Juniper	3 Gal., 12" Ht.X12" W.	15" Ht.	18" O.C.			EA.	832								832		4,341	

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 41 TO 42		GRAND TOTAL		
											41		42		-		-						
											PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
N/A	N/A	CNG	Cocos nucifera 'Green Malayan'	Coconut Palm	12'-16' G.W.	N/A	AS NOTED			EA.												36	
N/A	N/A	PES	Physcosperma elegans	Solitaire Palm - Single	12'-14' C.T.	N/A	AS NOTED			EA.	3									2		13	
N/A	N/A	VMM	Veitchia montgomeryana	Montgomery Palm	12'-14' C.T.	N/A	AS NOTED			EA.												10	
N/A	N/A	ABO	Aechmea blanchetiana 'Dean'	'Dean' Bromeliads	3 Gal., 18" Ht.X15" W.	36" Ht.	24" O.C.			EA.	128									128		986	
N/A	N/A	ACB	Neoregelia 'orange crush'	Orange crush bromeliads	3 Gal., 15" Ht.X15" W.	18" Ht.	24" O.C.			EA.												972	
N/A	N/A	CES	Conocarpus erectus 'Sencous'	Silver Buttonwood	3 Gal., 24" Ht.X18" W.	48" Ht.	18" O.C.	Yes	Yes	EA.												1,051	
N/A	N/A	FMG	Ficus microcarpa 'Green Island'	Green Island Ficus	3 Gal., 15" Ht.X15" W.	24" Ht.	24" O.C.			EA.	132									132		1,730	
N/A	N/A	TDF	Tripsacum flondanum	Dwarf Fakahatchee Grass	3 Gal., 24" Ht.X24" W.	48" Ht.	42" O.C.	Yes	Yes	EA.												129	
N/A	N/A	JUN	Juniperus chinensis 'parsoni'	Parson's Juniper	3 Gal., 12" Ht.X12" W.	15" Ht.	18" O.C.			EA.												4,341	

## LEGEND OF EXISTING PLANT MATERIAL:

SYMBOLS	DESCRIPTIONS
	EXISTING TREE/PALM TO REMAIN
	EXISTING TREE/PALM TO BE RELOCATED- OFF SITE, AS DIRECTED BY CITY
	EXISTING TREE/PALM TO BE REMOVED
	EXISTING PLANT MATERIAL IDENTIFICATION LABEL

## LEGEND OF NEW PLANT MATERIAL

PALM TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT	TRUNK	HT X SPRD	CT	GRADE	REMARKS
	CNG	Cocos nucifera 'Green Malayan'	Coconut Palm	Field Grown	Single	20'-24" O.A.	12'-16" G.W.	Florida No. 1	Straight trunks
	PES	Physcosperma elegans	Solitaire Palm - Single	Field Grown	Single	18'-20" O.A.	12'-14" C.T.	Florida No. 1	
	VMM	Veitchia montgomeryana	Montgomery Palm	Field Grown	Single	18'-20" O.A.	12'-14" C.T.	Florida No. 1	
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	CONT	HT. X SPRD.	SPEC.		SPACING	REMARKS
	ABO	Aechmea blanchetiana 'Dean'	Dean Bromeliad	3 gal	18" X 15"	Full		24" o.c.	
	CES	Conocarpus erectus sencous	Silver Buttonwood	3 gal	24" X 18"	Full to Ground		18" o.c.	3 STAGGERED ROWS
	TDF	Tripsacum flondanum	Dwarf Fakahatchee Grass	3 gal	24" x 24"	Full		42" o.c.	
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	CONT	HT. X SPRD.	SPEC.		SPACING	REMARKS
	FMG	Ficus microcarpa 'Green Island'	Green Island Ficus	3 gal	15" x 15"	Full		24" o.c.	
	JUN	Juniperus chinensis 'Parsoni'	Parson Juniper	3 gal	12" x 12"			18" o.c.	
	ACB	Neoregelia x 'Orange Crush'	Bromeliad	3 gal	15" x 15"	Full		24" o.c.	

REVISIONS		Landscape Architect of Record: MICHAEL CORNER, R.L.A., LICENSE NO. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		PLANT SCHEDULES		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
07/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01		5
09/23/14	Revised per ERC comments							
11/5/14	Second Revised per ERC comments							
01/12/15	Revised per Final Agreement							

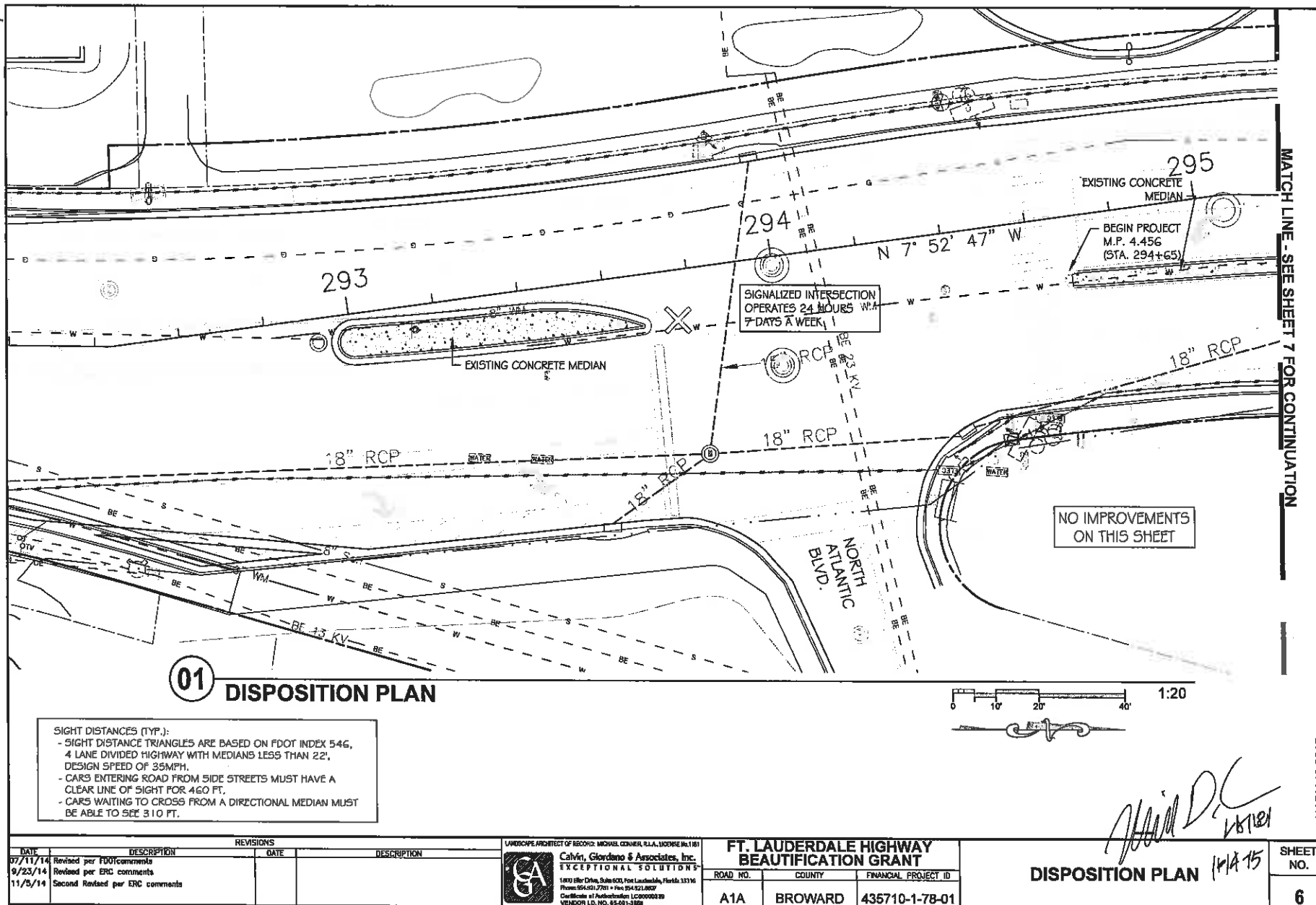
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JANUARY 12, 2015

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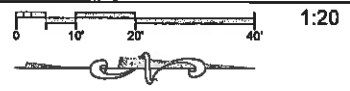




MATCH LINE - SEE SHEET 7 FOR CONTINUATION

**01 DISPOSITION PLAN**

SIGHT DISTANCES (TYP.):  
 - SIGHT DISTANCE TRIANGLES ARE BASED ON FDOT 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.



NO IMPROVEMENTS  
ON THIS SHEET

*Handwritten signature and initials*  
 1/14/15

JANUARY 12, 2015

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL GONNER, R.L.A., LICENSE #11181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1400 E. Brow Blvd., Suite 600, Fort Lauderdale, Florida 33316  
 Phone: 954-581-3781 • Fax: 954-521-8899  
 Certificate of Authorization: LC00000280  
 VENDOR ID NO. 65-001-3380

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

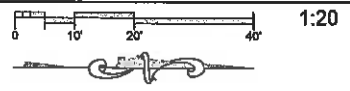
**DISPOSITION PLAN**

SHEET NO.  
**6**

MATCH LINE - SEE SHEET 6 FOR CONTINUATION

MATCH LINE - SEE SHEET 8 FOR CONTINUATION

**02 DISPOSITION PLAN**



REVISIONS		DESCRIPTION			FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		DISPOSITION PLAN 14-15	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments				A1A	BROWARD	435710-1-78-01	
9/23/14	Revised per ERG comments							
11/5/14	Second Revised per ERG comments							

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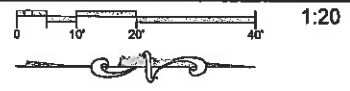
JANUARY 12, 2015

*Handwritten signature and initials: J. P. C. 1/12/15*

MATCH LINE - SEE SHEET 7 FOR CONTINUATION

MATCH LINE - SEE SHEET 9 FOR CONTINUATION

**03 DISPOSITION PLAN**



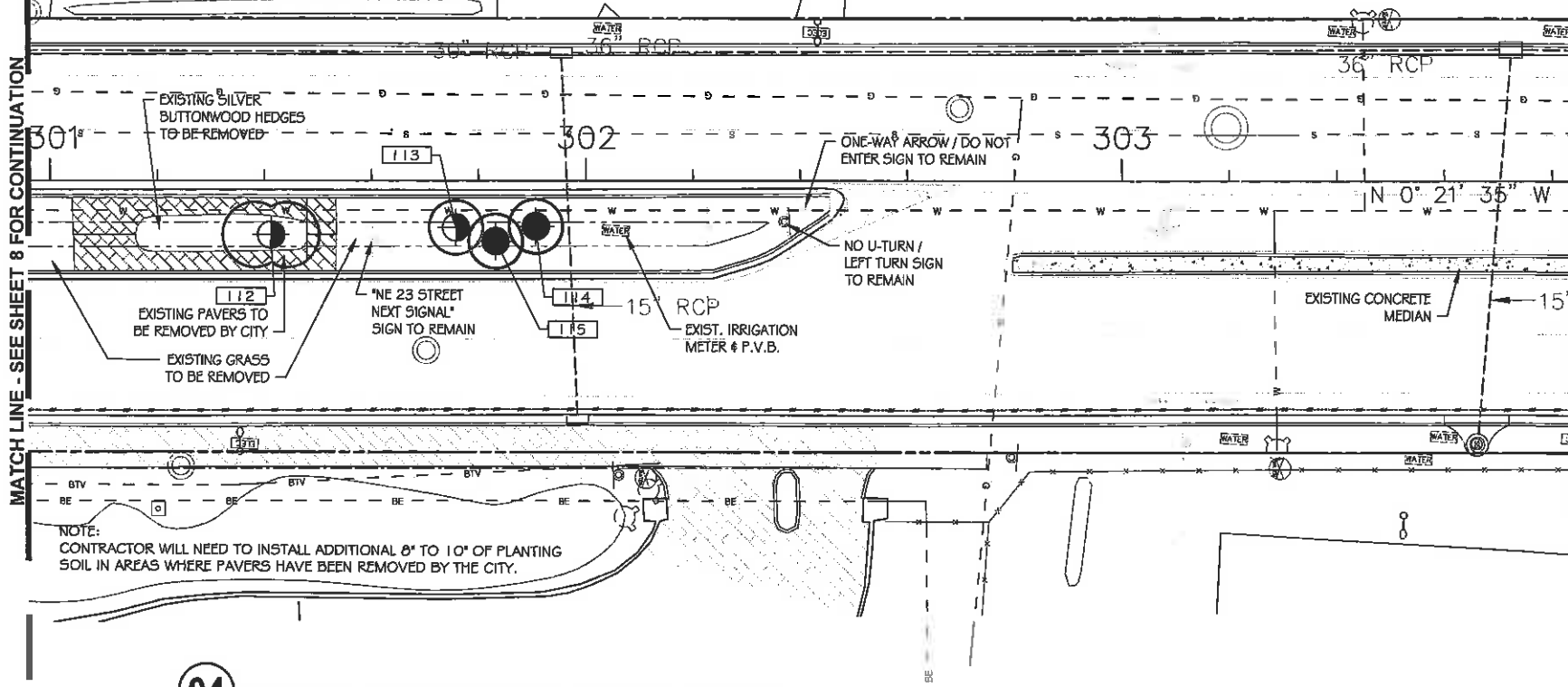
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments				A1A	BROWARD	435710-1-78-01	1-1415
09/23/14	Revised per ERC comments							
11/5/14	Second Revised per ERC comments							
01/12/15	Revised per Final Agreement							

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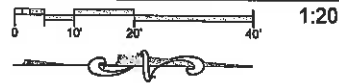
JANUARY 12, 2015

MATCH LINE - SEE SHEET 8 FOR CONTINUATION

MATCH LINE - SEE SHEET 10 FOR CONTINUATION



**04 DISPOSITION PLAN**



*Handwritten signature: J. M. D. L. LA 11/21*

JANUARY 12, 2015

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
09/23/14	Revised per ERC comments		
11/05/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 11111

**Calvin Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

1800 River Oaks, Suite 600, Fort Lauderdale, Florida 33316  
Phone: 954.921.7761 • Fax: 954.921.6107  
Certificate of Registration: L000000038  
VENDOR ID: 05-001-3389

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**DISPOSITION PLAN**

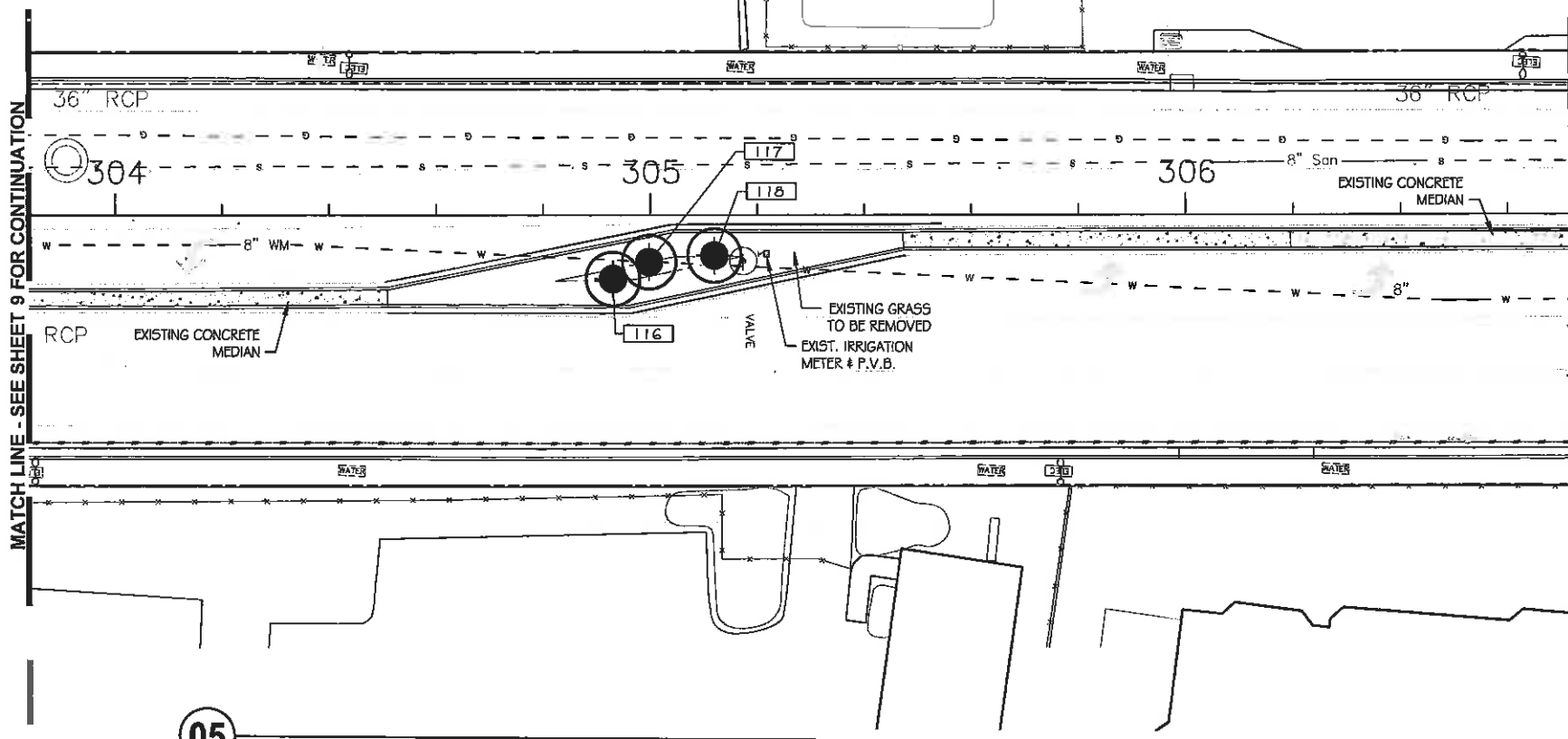
1-1A-15

SHEET NO.
9

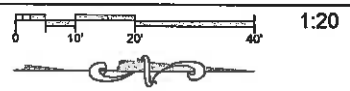
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MATCH LINE - SEE SHEET 9 FOR CONTINUATION

MATCH LINE - SEE SHEET 11 FOR CONTINUATION



**05 DISPOSITION PLAN**



*Min D.L.*  
1/14/15

JANUARY 12, 2015

REVISIONS		DESCRIPTION		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	10
9/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1181

**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

1800 Erie Drive, Suite 800, Fort Lauderdale, Florida 33316  
Phone: 954.331.2781 • Fax: 954.321.0857  
Certificate of Professional Registration: L000000038  
VENDOR I.D. NO. 66-001-2009

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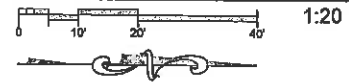
MATCH LINE - SEE SHEET 10 FOR CONTINUATION

MATCH LINE - SEE SHEET 12 FOR CONTINUATION

**06 LANDSCAPE PLAN**

SIGNALIZED INTERSECTION  
OPERATES 24 HOURS  
7 DAYS A WEEK

NO IMPROVEMENTS  
ON THIS SHEET



REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHEL COMBER, R.L.A., LICENSE NO. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		DISPOSITION PLAN 1-1A-15	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
9/23/14	Revised per ERC comments			A1A	BROWARD	435710-1-78-01	11
11/5/14	Second Revised per ERC comments						



Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1000 West Lake Shore Drive, Suite 1000, Fort Lauderdale, Florida 33316  
Phone 954.581.2700 • Fax 954.581.2809  
Certificate of Authorization LC200800330  
VENDOR I.D. NO. 85-001-3809

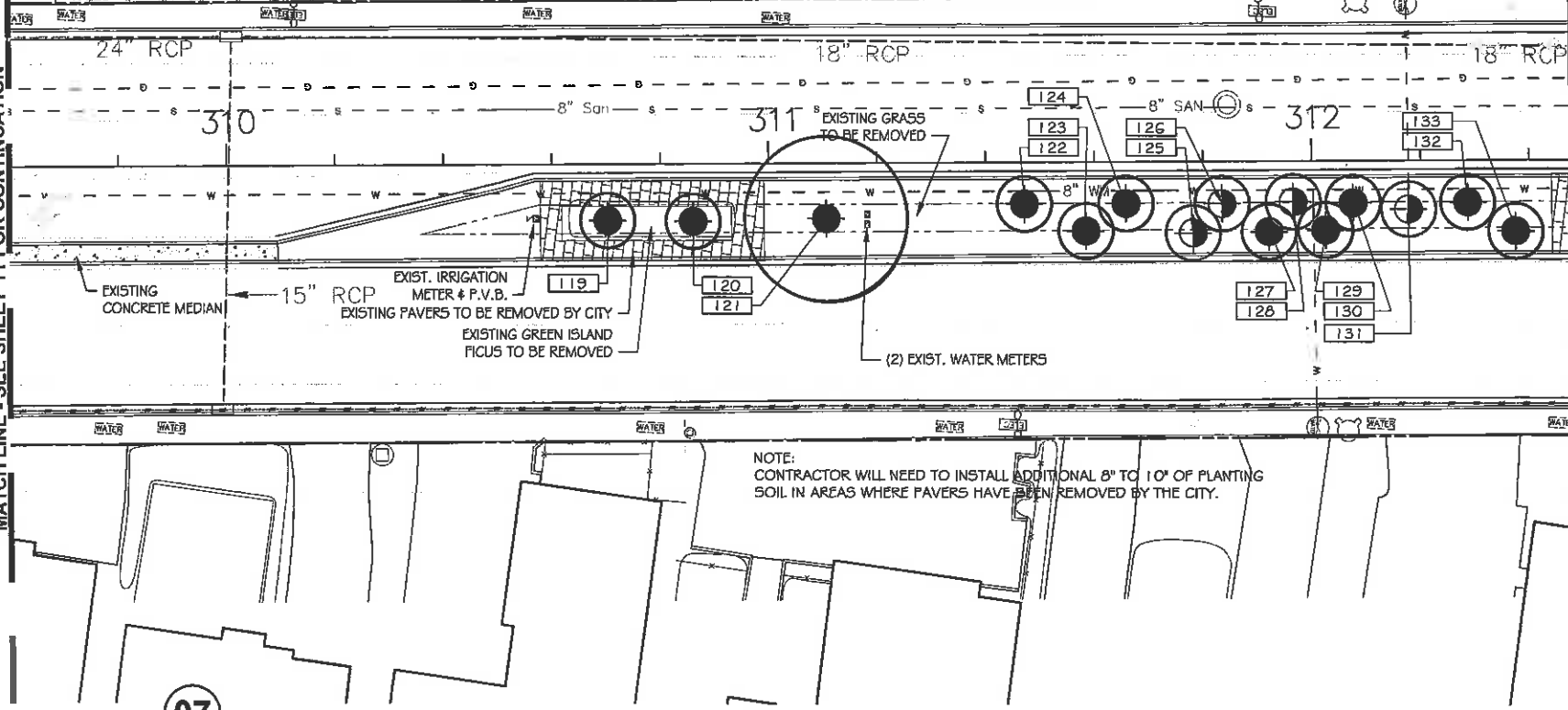
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JANUARY 12, 2015

*Handwritten signature: M. P. C. 1/11/15*

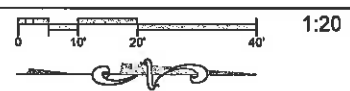
MATCH LINE - SEE SHEET 11 FOR CONTINUATION

MATCH LINE - SEE SHEET 13 FOR CONTINUATION



**07 DISPOSITION PLAN**

NOTE:  
CONTRACTOR WILL NEED TO INSTALL ADDITIONAL 8\"/>



*mmDK*  
1/11/15

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per EPC comments		
11/5/14	Second Revised per EPC comments		

		<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
A1A	BROWARD	435710-1-78-01	

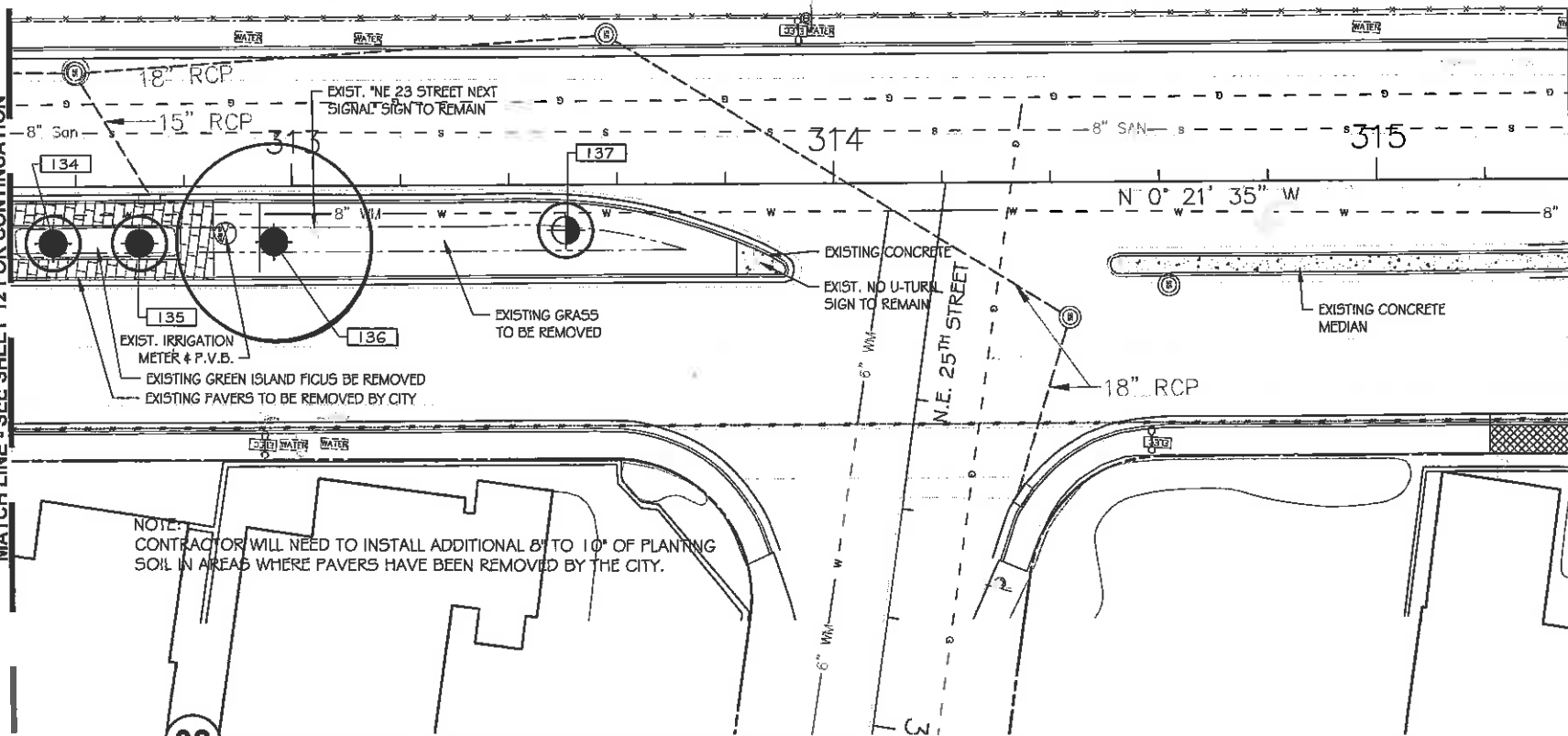
<b>DISPOSITION PLAN 1-14-15</b>		SHEET NO.
		12

EXHIBIT 2  
CAM 14-1512  
PAGE 23 of 92

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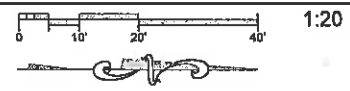
MATCH LINE - SEE SHEET 12 FOR CONTINUATION

MATCH LINE - SEE SHEET 14 FOR CONTINUATION



NOTE:  
CONTRACTOR WILL NEED TO INSTALL ADDITIONAL 8" TO 10" OF PLANTING SOIL IN AREAS WHERE PAVERS HAVE BEEN REMOVED BY THE CITY.

**08 DISPOSITION PLAN**



*Mini P.L.*  
1/18/15

JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER R.L.A., LICENSE No. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		DISPOSITION PLAN 1-14-15	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
07/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	
09/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						



**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS  
1800 Okech Creek, Suite 400, Fort Lauderdale, Florida 33316  
Phone: 954.881.7781 • Fax: 954.881.6607  
Certificate of Registration: LC0000000338  
VENDOR ID: NO. 68-001-3889

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**DISPOSITION PLAN**

SHEET NO. 13



CHURCH  
ENTRANCE

MATCH LINE - SEE SHEET 13 FOR CONTINUATION

MATCH LINE - SEE SHEET 15 FOR CONTINUATION

316

317

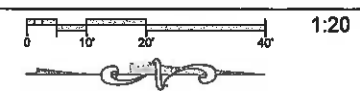
318

EXISTING CONCRETE  
MEDIAN

EXIST. NO U-TURN  
SIGN TO REMAIN

EXISTING GRASS  
TO BE REMOVED

**09 DISPOSITION PLAN**



1:20

*Miss P.C.*  
1-14-15

JANUARY 12, 2015

REVISIONS		DESCRIPTION		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	14
09/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						

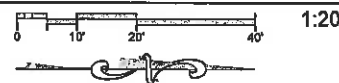
LANDSCAPE ARCHITECT OF RECORD: MICHEL COMIER, R.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 E. Broward Blvd., Suite 100, Fort Lauderdale, Florida 33316  
 Phone: (954) 377-7761 • Fax: (954) 377-6599  
 Certificate of Authorization: LC200000039  
 VENDOR ID: NO. 65-601-588

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MATCH LINE - SEE SHEET 14 FOR CONTINUATION

MATCH LINE - SEE SHEET 16 FOR CONTINUATION

# 10 DISPOSITION PLAN



*Handwritten signature and date: 1/11/15*

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1161  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Eller Drive, Suite 100, Fort Lauderdale, Florida 33316  
 Phone: 954.551.7781 • Fax: 954.521.8807  
 Certificate of Authorization LC200900326  
 VERICORP L.P., NO. 95-801-3889

**FT. LAUDERDALE HIGHWAY  
 BEAUTIFICATION GRANT**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

## DISPOSITION PLAN

1-1A-15

SHEET NO.  
**15**

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MATCH LINE - SEE SHEET 15 FOR CONTINUATION

MATCH LINE - SEE SHEET 17 FOR CONTINUATION

N.E. 27<sup>TH</sup>  
STREET

SAN

18" RCP

322

N 6° 08' 54" E

EXISTING CONCRETE  
MEDIAN

EXISTING GRASS  
TO BE REMOVED

323

30" RCP

30" RCP

15" RCB

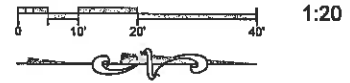
10" WM

EXIST. IRRIGATION  
METER & P.V.B.

EXISTING PAVERS  
TO BE REMOVED

11

# DISPOSITION PLAN



NOTE:  
CONTRACTOR WILL NEED TO INSTALL ADDITIONAL 8" TO 10"  
OF PLANTING SOIL IN AREAS WHERE PAVERS HAVE BEEN  
REMOVED BY THE CITY.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A., LICENSE #61161

**GA** Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS

1800 Eber Drive, Suite 100, Fort Lauderdale, Florida 33316  
Phone 954.551.7981 • Fax 954.551.7457  
Certificate of Registration L200000033a  
VENDOR ID: NO. 05-001-3259

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

## DISPOSITION PLAN

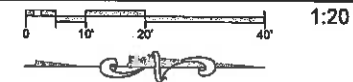
SHEET  
NO.  
**16**

JANUARY 12, 2015

MATCH LINE - SEE SHEET 16 FOR CONTINUATION

MATCH LINE - SEE SHEET 18 FOR CONTINUATION

# 12 DISPOSITION PLAN



EXISTING GREEN ISLAND  
FICUS TO BE REMOVED  
EXISTING PAVERS TO BE REMOVED BY CITY

EXISTING GRASS  
TO BE REMOVED

NOTE:  
CONTRACTOR WILL NEED TO INSTALL ADDITIONAL 8" TO 10" OF PLANTING  
SOIL IN AREAS WHERE PAVERS HAVE BEEN REMOVED BY THE CITY.

EXISTING GREEN ISLAND  
FICUS TO BE REMOVED  
EXISTING PAVERS TO BE REMOVED  
BY THE CITY.

REVISIONS		REVISIONS		<div> <div>LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRIE, R.L.A., LICENSE NO. 1111</div> <div>Calvin, Giordano &amp; Associates, Inc.</div> <div>EXCEPTIONAL SOLUTIONS</div> <div>1800 E. 17th Ave., Suite 400, Fort Lauderdale, Florida 33316</div> <div>Phone: 954.333.7781 • Fax: 954.333.7807</div> <div>Certificate of Registration: LC00000338</div> <div>VEPCOR I.D. NO. 65-001-3806</div> </div>	<div> <div>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</div> <div>ROAD NO. COUNTY FINANCIAL PROJECT ID</div> <div>A1A BROWARD 435710-1-78-01</div> </div>	<div> <div>DISPOSITION PLAN</div> <div>14-15</div> </div>	<div> <div>SHEET NO.</div> <div>17</div> </div>
DATE	DESCRIPTION	DATE	DESCRIPTION				
07/11/14	Revised per PBD comments						
9/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						

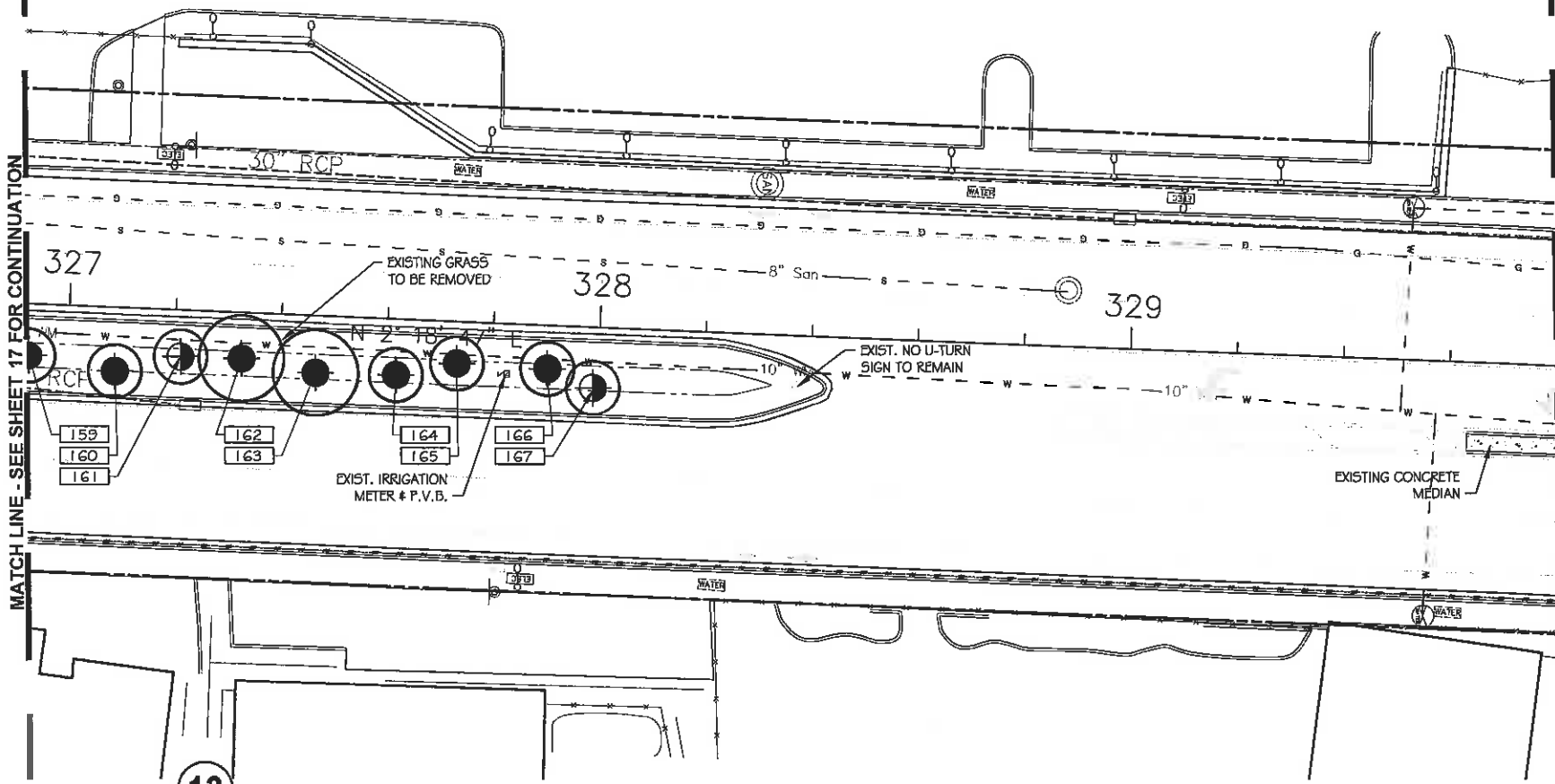
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JANUARY 12, 2015

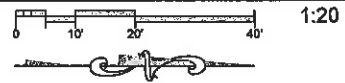
*Jim P. L.*  
1/8/15

MATCH LINE - SEE SHEET 17 FOR CONTINUATION

MATCH LINE - SEE SHEET 19 FOR CONTINUATION



**13 DISPOSITION PLAN**



*Handwritten signature and initials: "M. S. L. LA 11/21"*

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

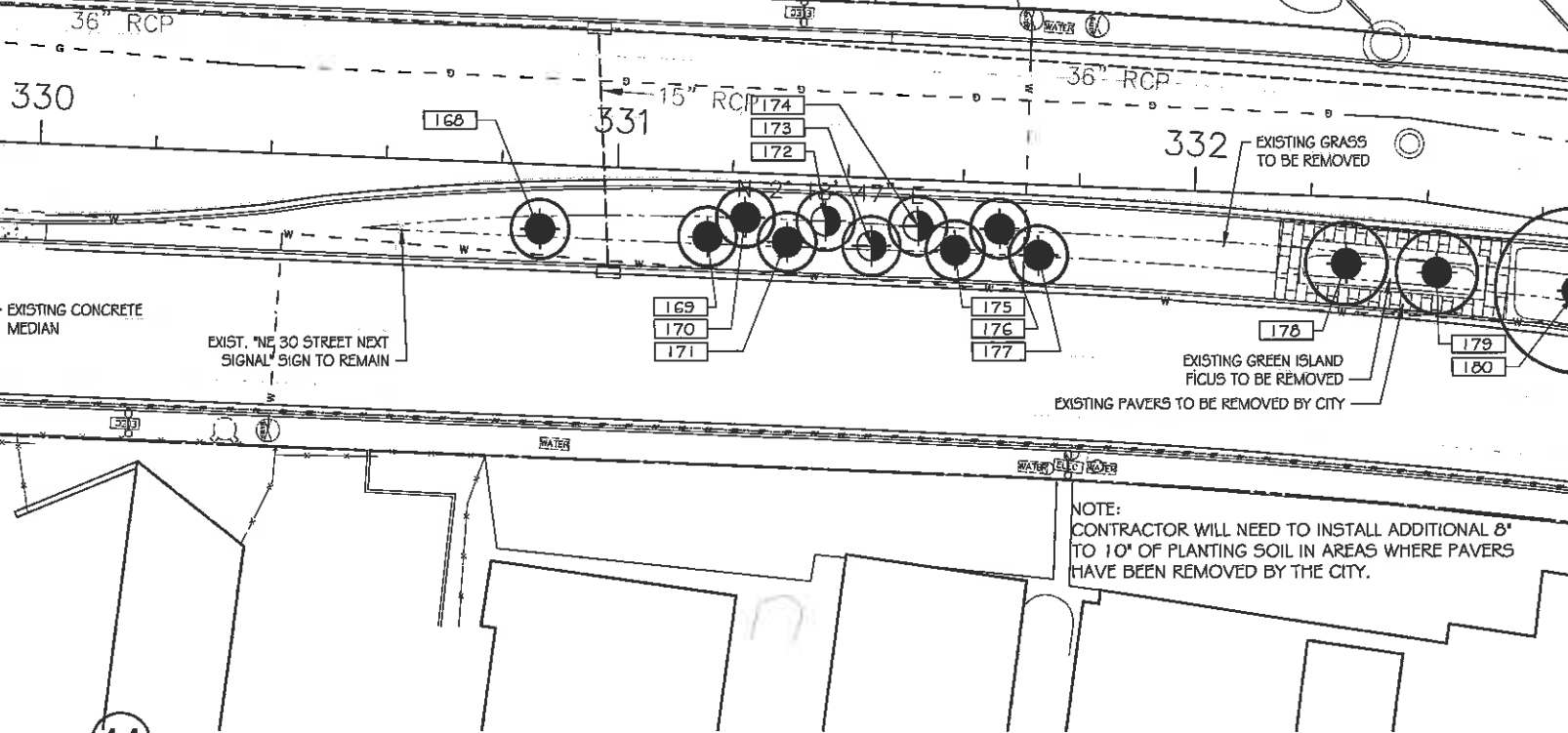
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LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, P.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1400 E. Okech, Suite 600, Fort Lauderdale, Florida 33316  
 Phone: 954.511.7781 • Fax: 954.501.6317  
 Certificate of Authorization LC00000538  
 VENDOR ID: 954-95-901-3489

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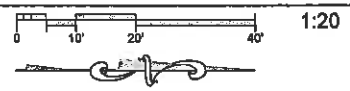
MATCH LINE - SEE SHEET 18 FOR CONTINUATION

MATCH LINE - SEE SHEET 19 FOR CONTINUATION



**14** DISPOSITION PLAN

NOTE:  
CONTRACTOR WILL NEED TO INSTALL ADDITIONAL 8"  
TO 10" OF PLANTING SOIL IN AREAS WHERE PAVERS  
HAVE BEEN REMOVED BY THE CITY.



*Min P.C.*  
LA 11.31

JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHEL CORNER, ILLA, LICENSE NO. 1191		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		DISPOSITION PLAN	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
5/7/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	
9/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						



Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1800 Eller Drive, Suite 600, Fort Lauderdale, Florida 33316  
Phone 954.621.2781 • Fax 954.621.8807  
Certificate of Authorization LC000000339  
VENDOR I.D. NO. 65-061-3829

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

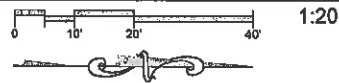
DISPOSITION PLAN

1-14-15

MATCH LINE - SEE SHEET 19 FOR CONTINUATION

MATCH LINE - SEE SHEET 21 FOR CONTINUATION

# 15 DISPOSITION PLAN



*Min P. C.*  
LA 11/8/15

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1181

**GA** Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1000 Eller Drive, Suite 400, Fort Lauderdale, Florida 33316  
Phone: 954.591.3781 • Fax: 954.591.8807  
Certificate of Authorization LC200900236  
VENDOR I.D. NO. 05-001-2369

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

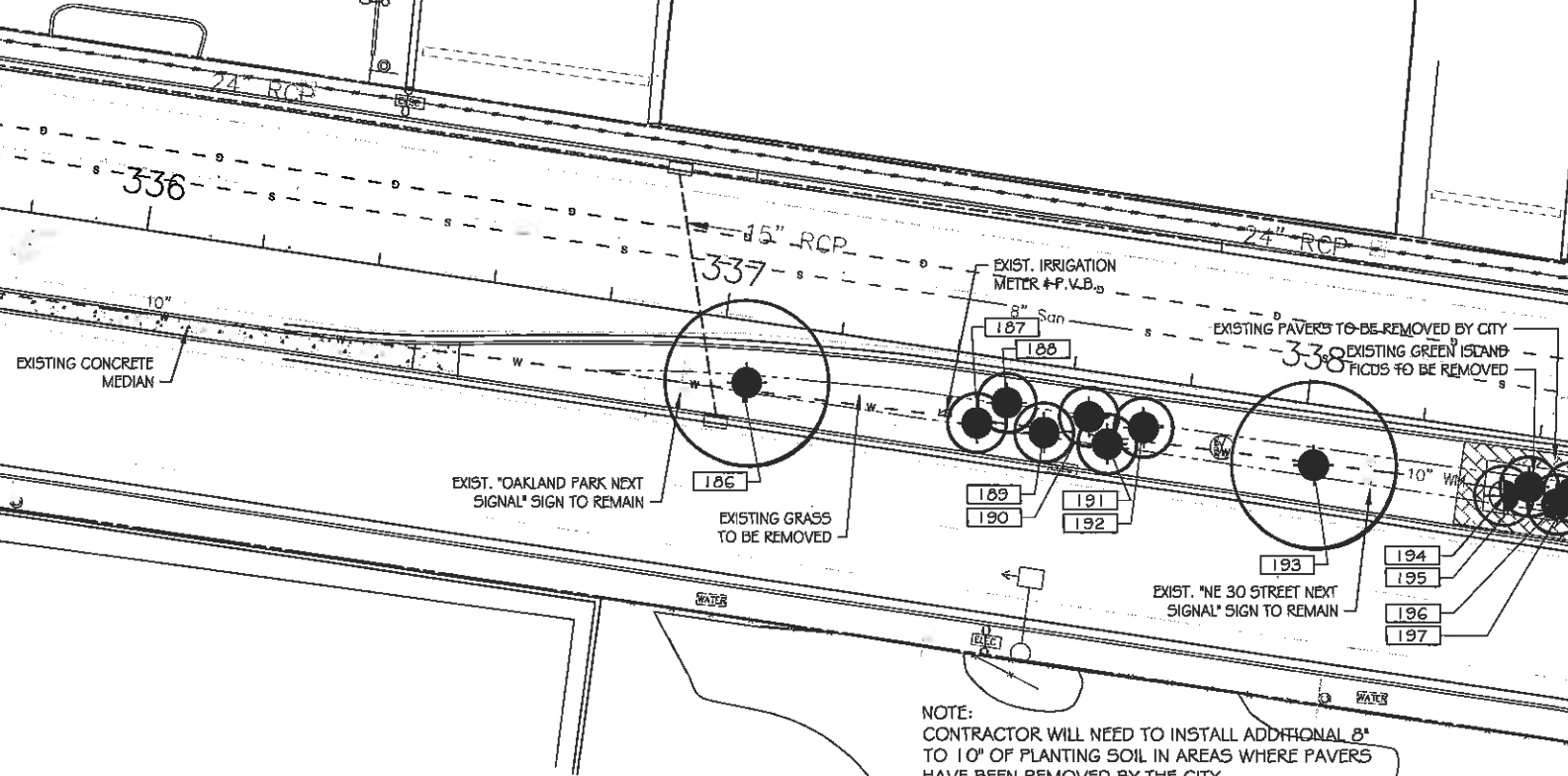
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SHEET NO. **20**

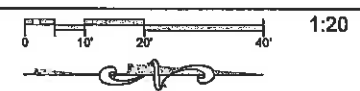
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MATCH LINE - SEE SHEET 20 FOR CONTINUATION

MATCH LINE - SEE SHEET 22 FOR CONTINUATION




# 16 DISPOSITION PLAN



*Min D.C.*  
1/11/15

JANUARY 12, 2015

REVISIONS				LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORREA, R.L.A., LICENSE No. 1141		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		78		SHEET NO.			
DATE	DESCRIPTION	DATE	DESCRIPTION		Calvin, Giordano & Associates, Inc. EXCEPTIONAL SOLUTIONS 1800 Silver Chime, Suite 400, Fort Lauderdale, Florida 33316 Phone: 561.521.7781 • Fax: 561.521.1227 Certificate of Authorization LC200000036 VENDOR I.D. NO. 65-681-1889	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	DISPOSITION PLAN 1-14-15		21		
07/11/14	Revised per FDOT comments					A1A	BROWARD	435710-1-78-01					
9/23/14	Revised per ERC comments												
11/5/14	Second Revised per ERC comments												
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MATCH LINE - SEE SHEET 21 FOR CONTINUATION

MATCH LINE - SEE SHEET 23 FOR CONTINUATION

EXISTING PAVERS TO BE REMOVED BY CITY

24" RCP

8" San

EXISTING PAVERS TO REMAIN

24" RCP

8" San

10" WM

EXISTING GRASS TO BE REMOVED

EXIST. NO U-TURN SIGN TO REMAIN

339

340

341

N 8° 19' 54" E

200

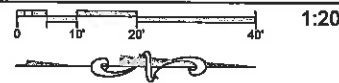
199

198

201

NOTE:  
CONTRACTOR WILL NEED TO INSTALL ADDITIONAL 8"  
TO 10" OF PLANTING SOIL IN AREAS WHERE PAVERS  
HAVE BEEN REMOVED BY THE CITY.

# 17 DISPOSITION PLAN



*Handwritten signature and date: 1-14-15*

JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHEL CORNER, P.L.L.C. LICENSE NO. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		DISPOSITION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
07/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	22
09/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						



Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1800 Eller Drive, Suite 100, Fort Lauderdale, Florida 33310  
Phone: 954.561.2781 • Fax: 954.561.2437  
Certificate of Authorization: LC0000002314  
VENDOR ID: NO. 05-891-2003

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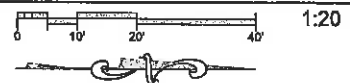
MATCH LINE - SEE SHEET 22 FOR CONTINUATION

**18 DISPOSITION PLAN**

NO IMPROVEMENTS  
ON THIS SHEET

SIGNALIZED INTERSECTION  
OPERATES 24 HOURS  
7 DAYS A WEEK

OAKLAND PARK BLVD.  
(S.R. 816)



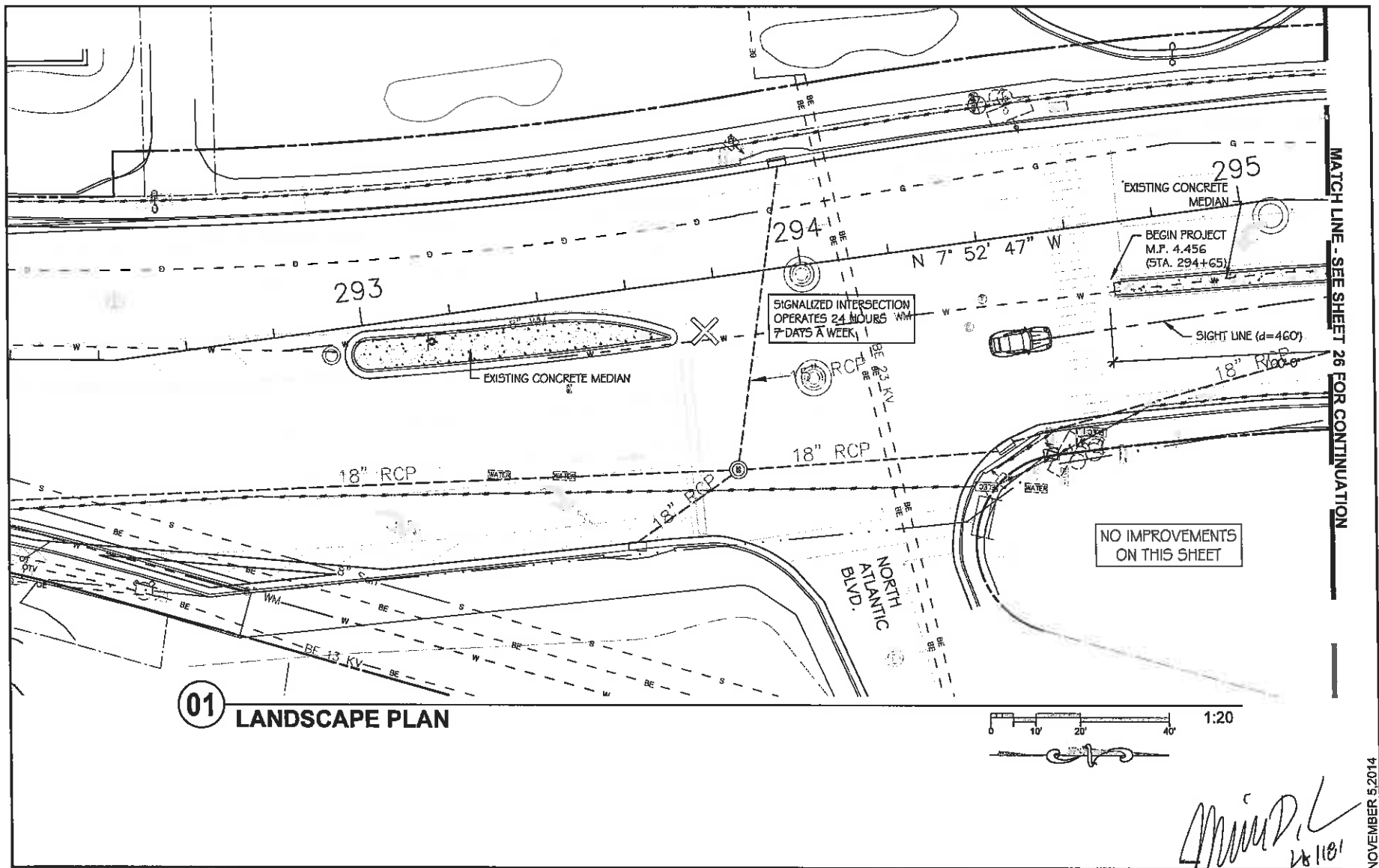
REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/9/14	Second Revised per ERC comments		

<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>		<b>DISPOSITION PLAN 1-14-15</b>	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
A1A	BROWARD	435710-1-78-01	23

JANUARY 12, 2015

EXHIBIT 2  
CAM 14-1512  
PAGE 34 OF 92



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
09/23/14	Revised per ERC comments		
11/05/14	Second Revised per ERC comments		

<b>LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A., LICENSE No. 1161</b> <b>Calvin, Giordano &amp; Associates, Inc.</b> <b>EXCEPTIONAL SOLUTIONS</b> <small>1810 Silver Creek, Suite 600, Fort Lauderdale, Florida 33316          Phone 954.332.1778 • Fax 954.332.1207          Certificate of Authorization LC200800338          VENDOR 110, NO. 18-951-3189</small>		<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
A1A	BROWARD	435710-1-78-01	

<b>LANDSCAPE PLAN 1-1415</b>		SHEET NO.
		25

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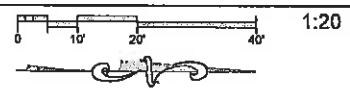
NOVEMBER 5, 2014

*Min P. L.*  
11/10/14

MATCH LINE - SEE SHEET 25 FOR CONTINUATION


MATCH LINE - SEE SHEET 27 FOR CONTINUATION

**02 LANDSCAPE PLAN**



*Min D.C.*  
LA 1181

NOVEMBER 5, 2014

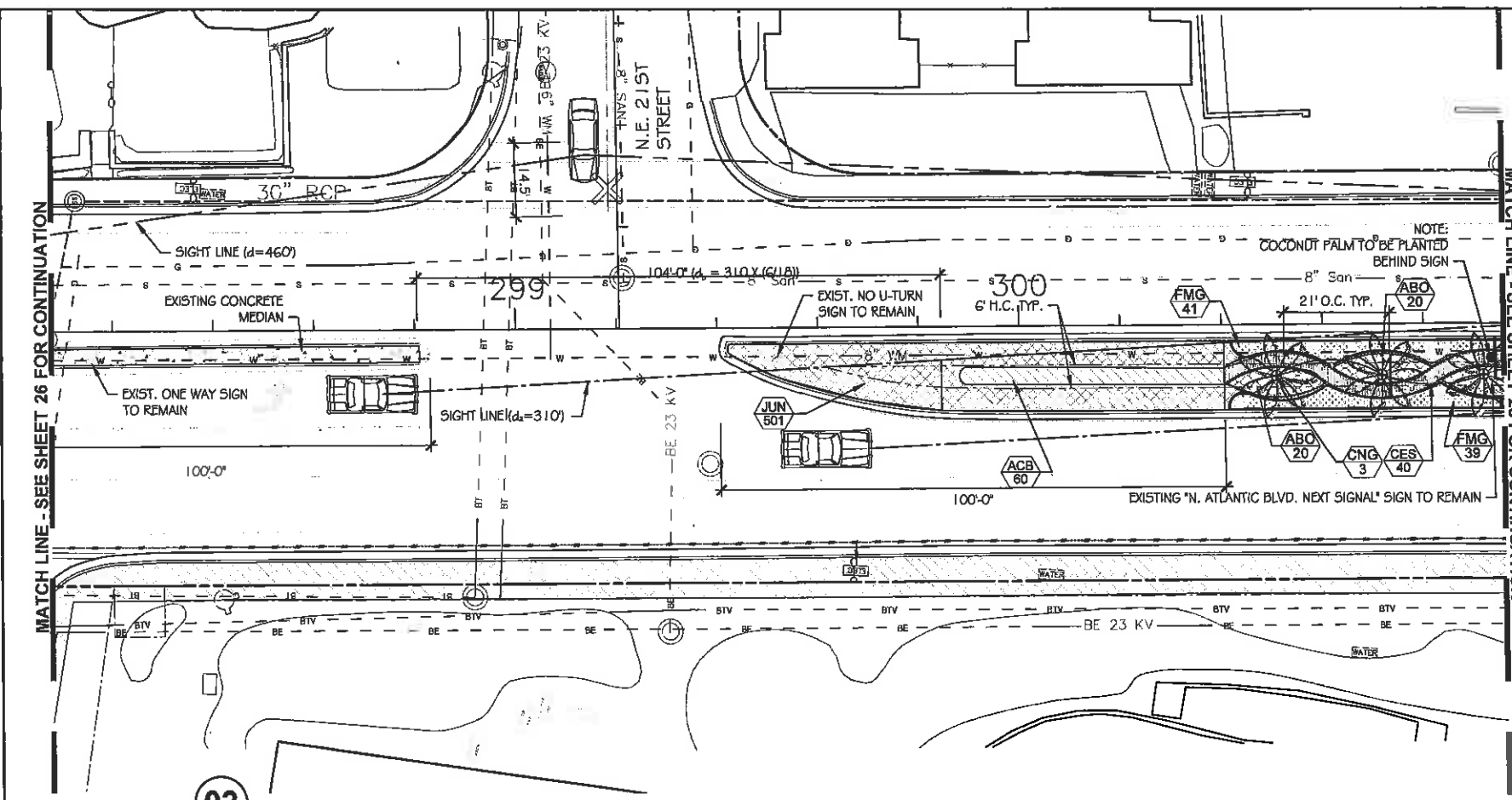
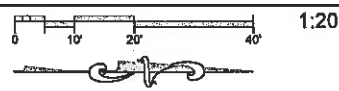
REVISIONS					<b>Calvin, Giordano &amp; Associates, Inc.</b> <b>EXCEPTIONAL SOLUTIONS</b> <small>18001 Biscayne, Suite 600, Fort Lauderdale, Florida 33316 Phone 954.561.3781 • Fax 954.561.0887 Certificate of Accreditation L200006338 VENDOR I.D. NO. 45-901-3438</small>	<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>			<b>LANDSCAPE PLAN</b> 1-14'15	<b>SHEET NO.</b>  <b>26</b>
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
07/11/14	Revised per FDOT comments					<b>A1A</b>	<b>BROWARD</b>	<b>435710-1-78-01</b>		
9/23/14	Revised per ERC comments									
11/5/14	Second Revised per ERC comments									
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MATCH LINE - SEE SHEET 26 FOR CONTINUATION

MATCH LINE - SEE SHEET 28 FOR CONTINUATION

# 03 LANDSCAPE PLAN



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
8/23/14	Revised per ERG comments		
11/5/14	Second Revised per ERG comments		
01/12/15	Revised per Final Agreement		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1151

**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

1800 Eller Drive, Suite 403, Fort Lauderdale, Florida 33316  
Phone: 954.431.2781 • Fax: 954.431.8807  
Certificate of Authorization: LC20000334  
VENDOR I.D. NO. 65-001-3009

<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>		FINANCIAL PROJECT ID <b>435710-1-78-01</b>
ROAD NO. <b>A1A</b>	COUNTY <b>BROWARD</b>	

**LANDSCAPE PLAN 1-14-15**

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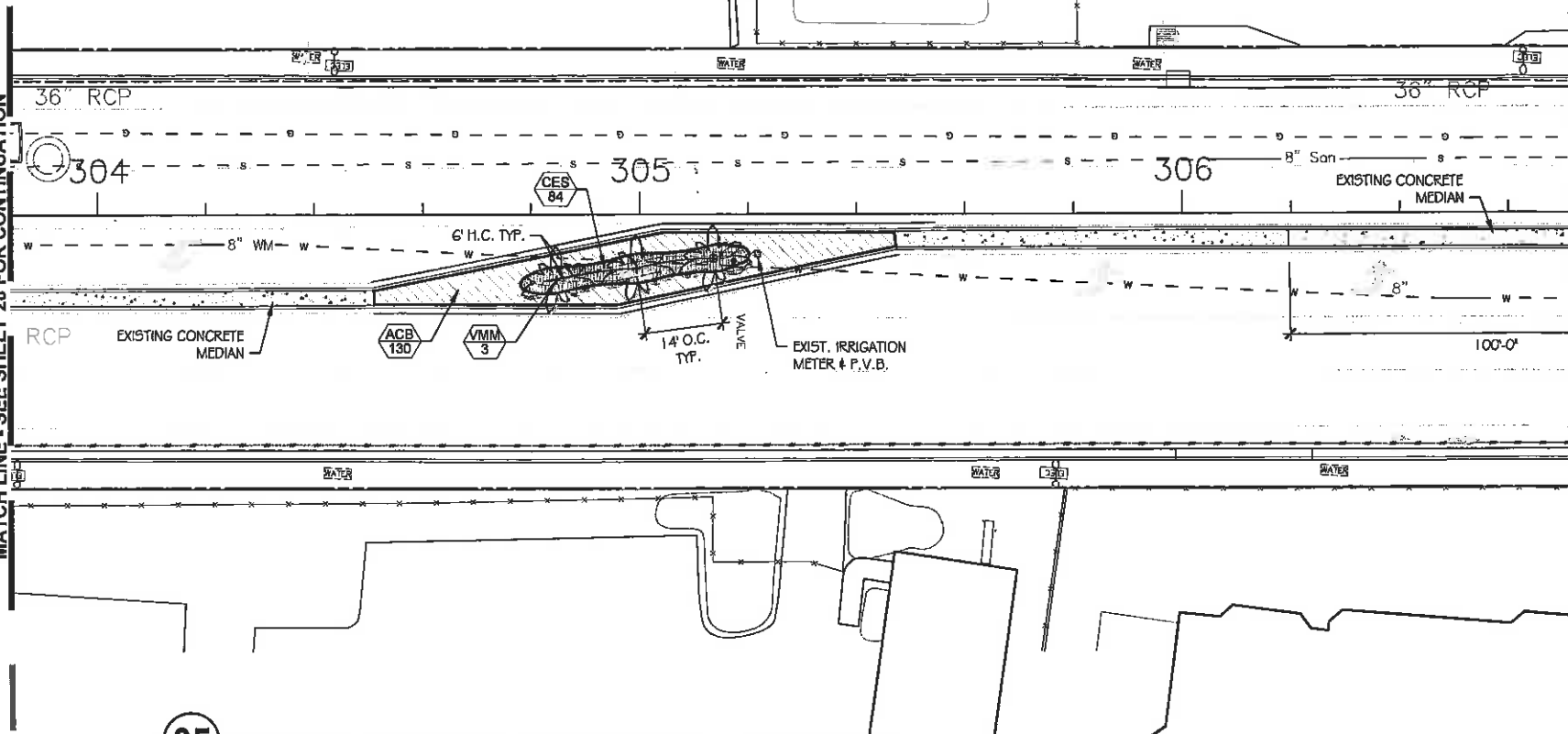
SHEET NO. <b>27</b>
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JANUARY 12, 2015

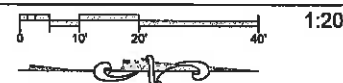


MATCH LINE - SEE SHEET 28 FOR CONTINUATION

MATCH LINE - SEE SHEET 30 FOR CONTINUATION



**05 LANDSCAPE PLAN**



*Handwritten signature and date: 11/18/14*

NOVEMBER 5, 2014

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
09/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRIE, F.L.A., LICENSE NO. 1181

**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

1800 6th Drive, Suite 200, Fort Lauderdale, Florida 33316  
Phone 954/521-2781 • Fax 954/521-6807  
Certificate of Authorization LC2000000338  
VENDOR ID: NO. 05-001-2888

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

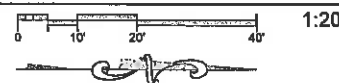
LANDSCAPE PLAN		SHEET NO.
1-1A-15		29

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MATCH LINE - SEE SHEET 29 FOR CONTINUATION

MATCH LINE - SEE SHEET 31 FOR CONTINUATION

**06 LANDSCAPE PLAN**



*Handwritten signature and date: 11/11/2014*

NOVEMBER 5, 2014

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
8/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRELL, R.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Old China, Suite 100, Fort Lauderdale, Florida 33316  
 Phone 954.321.7761 • Fax 954.321.8897  
 Certificate of Authorization LC00000339  
 VENDOR ID: NO. 03-001-3889

**FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**LANDSCAPE PLAN 1-14-15**

SHEET NO.  
**30**

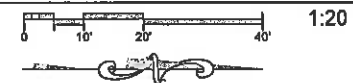
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MATCH LINE - SEE SHEET 30 FOR CONTINUATION

MATCH LINE - SEE SHEET 32 FOR CONTINUATION

# 07 LANDSCAPE PLAN



*mini P/L*  
11/11/15

NOVEMBER 5, 2014

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER R.L.A. LICENSE #A1191

**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

1400 Ely Drive, Suite 100, Fort Lauderdale, Florida 33316  
Phone: 954.921.7781 • Fax: 954.921.1237  
Our Office of Professional Liability: LCO0000038  
VENDOR I.D. NO. 65-081-3809

**FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT**

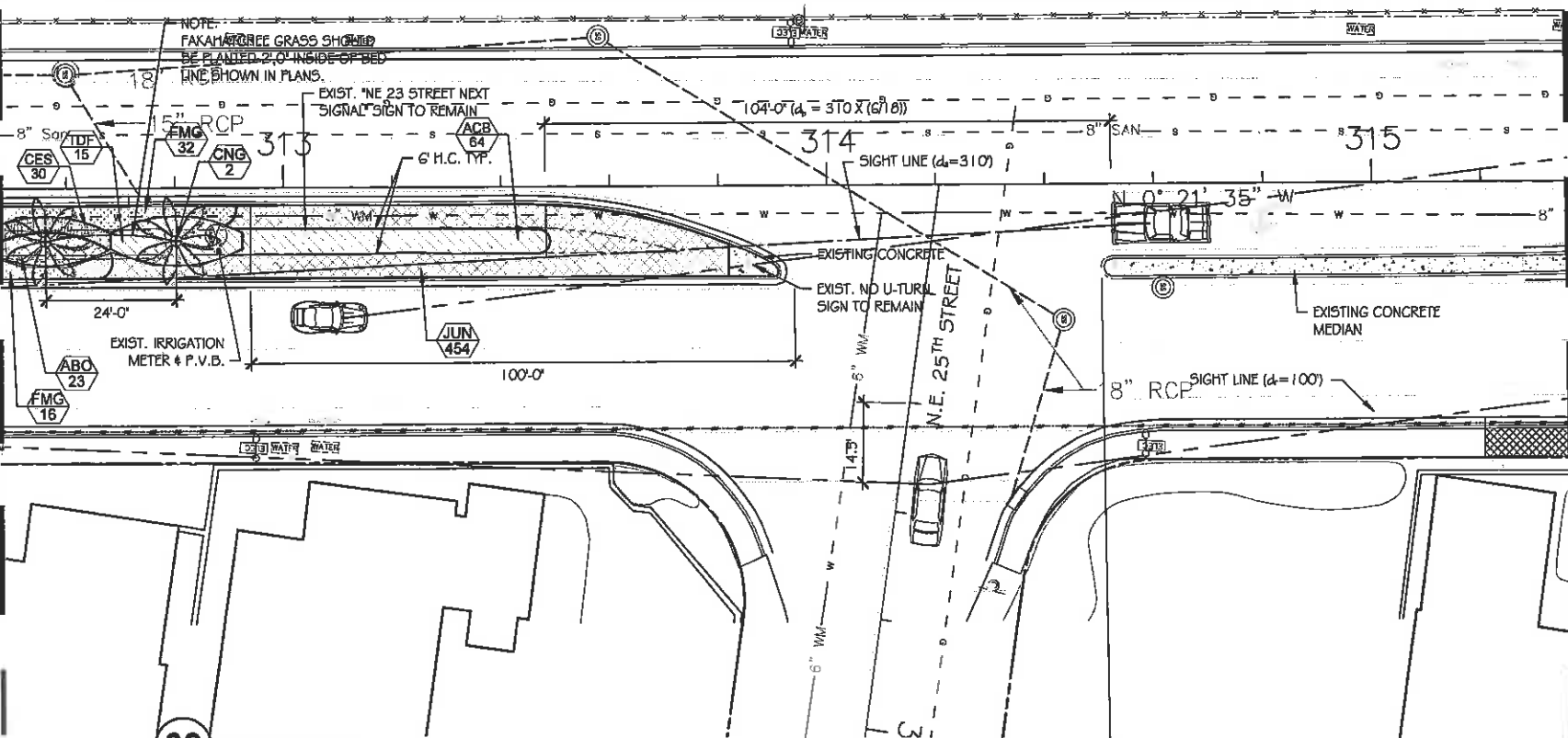
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**LANDSCAPE PLAN** 1-1A-15

SHEET NO.
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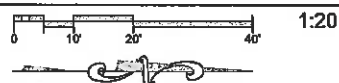
MATCH LINE - SEE SHEET 31 FOR CONTINUATION



MATCH LINE - SEE SHEET 33 FOR CONTINUATION

08

# LANDSCAPE PLAN



*Handwritten signature: Mike P.C. 11/11/14*

NOVEMBER 5, 2014

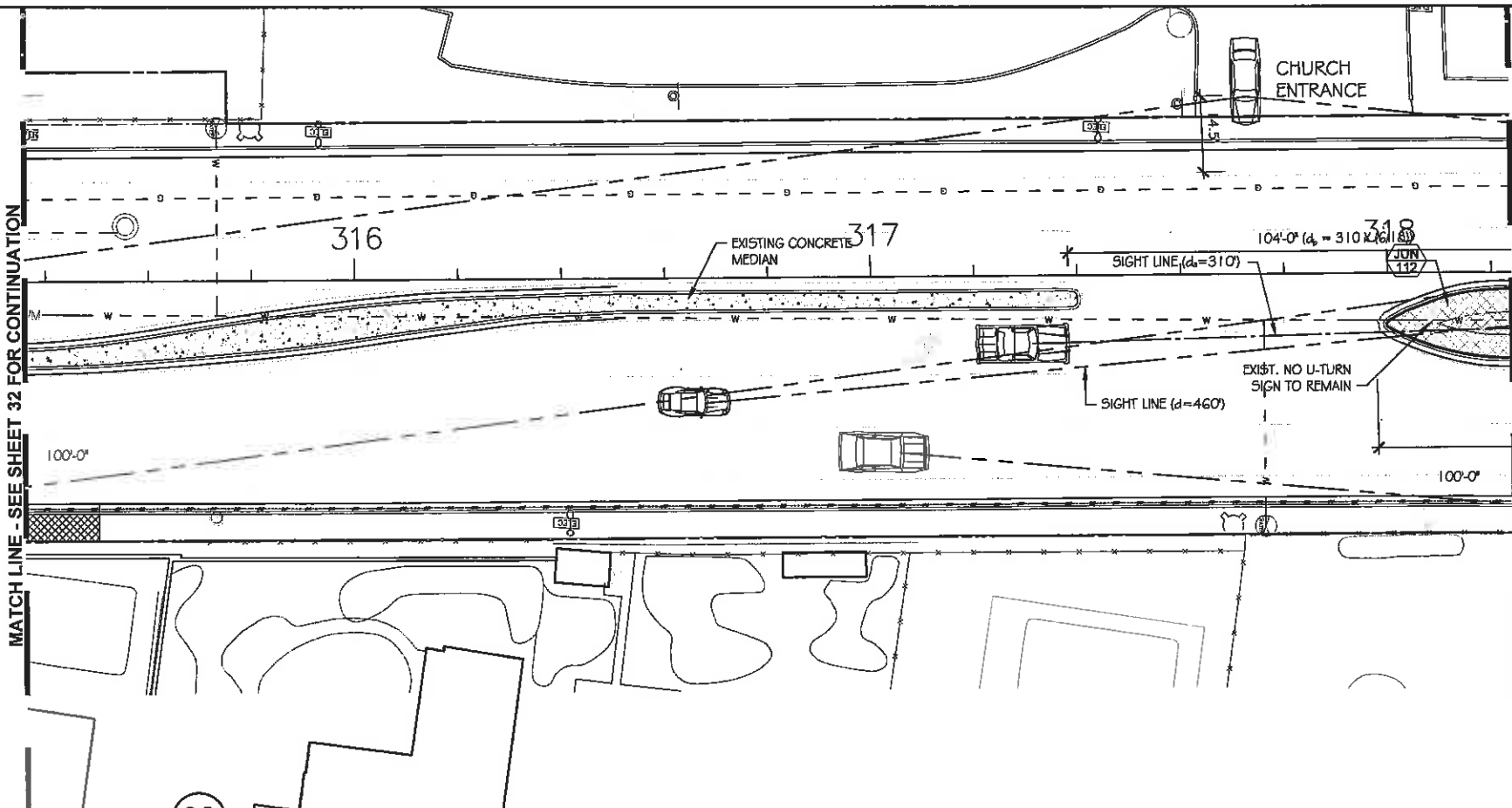
REVISIONS		REVISIONS			FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			<p>LANDSCAPE PLAN F14-15</p>	<p>SHEET NO. 32</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
07/11/14	Revised per FDOT comments				A1A	BROWARD	435710-1-78-01		
09/23/14	Revised per ERC comments								
11/5/14	Second Revised per ERC comments								

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1191  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Eller Drive, Suite 400, Fort Lauderdale, Florida 33316  
 Phone: 954.531.7791 • Fax: 954.821.8807  
 Certificate of Accreditation LC00000339  
 VENDOR I.D. NO. 05-001-3888

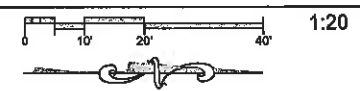
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MATCH LINE - SEE SHEET 32 FOR CONTINUATION

MATCH LINE - SEE SHEET 34 FOR CONTINUATION



**09 LANDSCAPE PLAN**



*Miss P/L*  
11/18/14

NOVEMBER 5, 2014

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE No. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			LANDSCAPE PLAN 1-1A-15	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
8/23/14	Revised per ERC comments			A1A	BROWARD	435710-1-78-01		
11/5/14	Second Revised per ERC comments							33



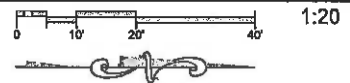
Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1800 Eller Drive, Suite 500, Fort Lauderdale, Florida 33316  
Phone: 954.521.7788 • Fax: 954.521.8827  
Certificate of Authorization L000000034  
VENDOR ID: 954-85-897-3859

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MATCH LINE - SEE SHEET 33 FOR CONTINUATION

MATCH LINE - SEE SHEET 35 FOR CONTINUATION

# 10 LANDSCAPE PLAN



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/9/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A., LICENSE NO. 1191  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Eller Drive, Suite 401, Fort Lauderdale, Florida 33316  
 Phone: 954.521.7781 • Fax: 954.521.6807  
 Certificate of Authorization LC00000039  
 V010208 L.D. 005, 05-001-2100

**FT. LAUDERDALE HIGHWAY  
 BEAUTIFICATION GRANT**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

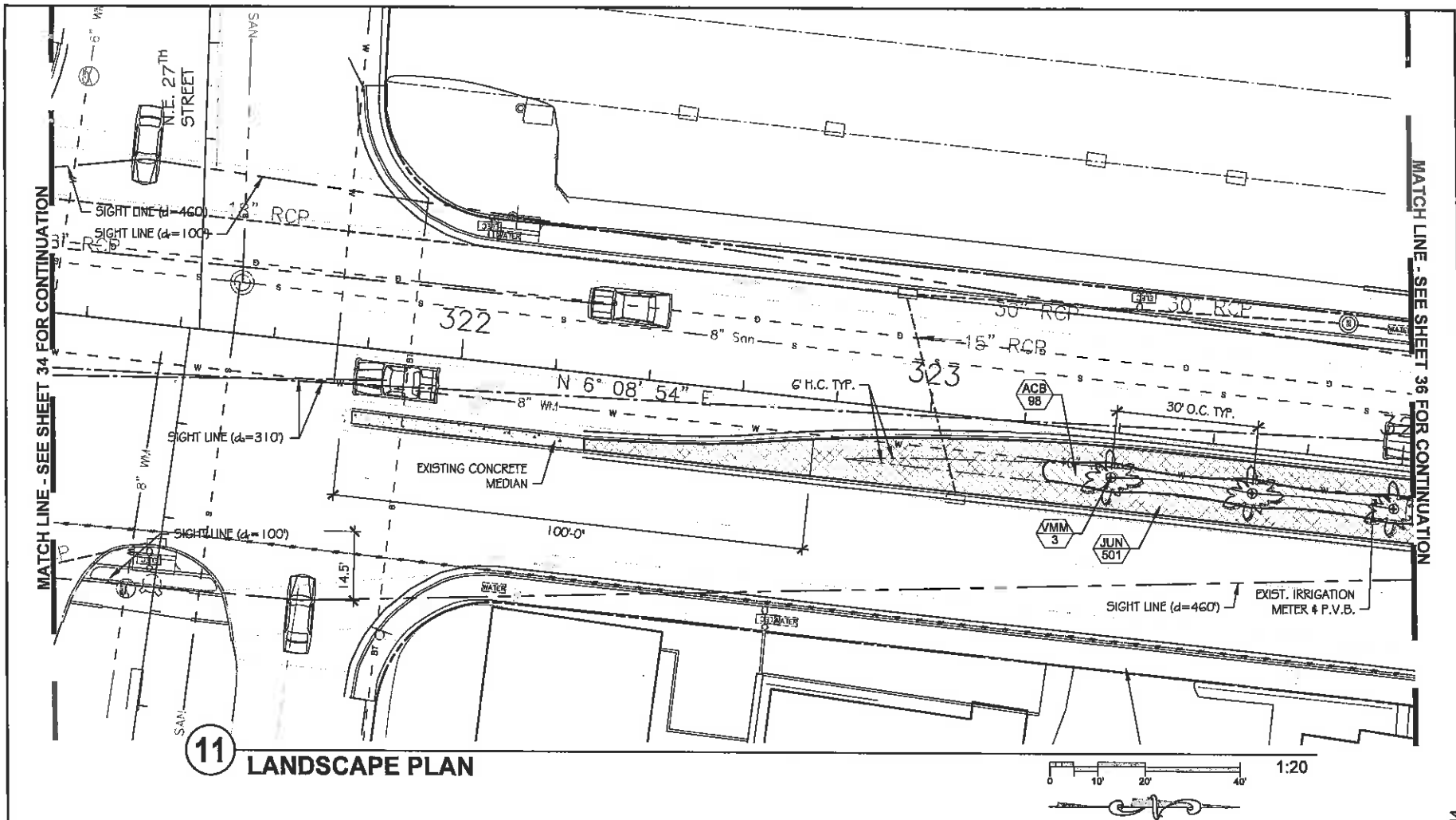
LANDSCAPE PLAN 1-1A-15

SHEET NO.  
**34**

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NOVEMBER 5, 2014

EXHIBIT 2  
 CAM 14-1512  
 PAGE 44 of 92



REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRIE, R.L.A., LICENSE NO. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		LANDSCAPE PLAN 11-15	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	
09/23/14	Revised per ERG comments						
11/05/14	Second Revised per ERG comments						

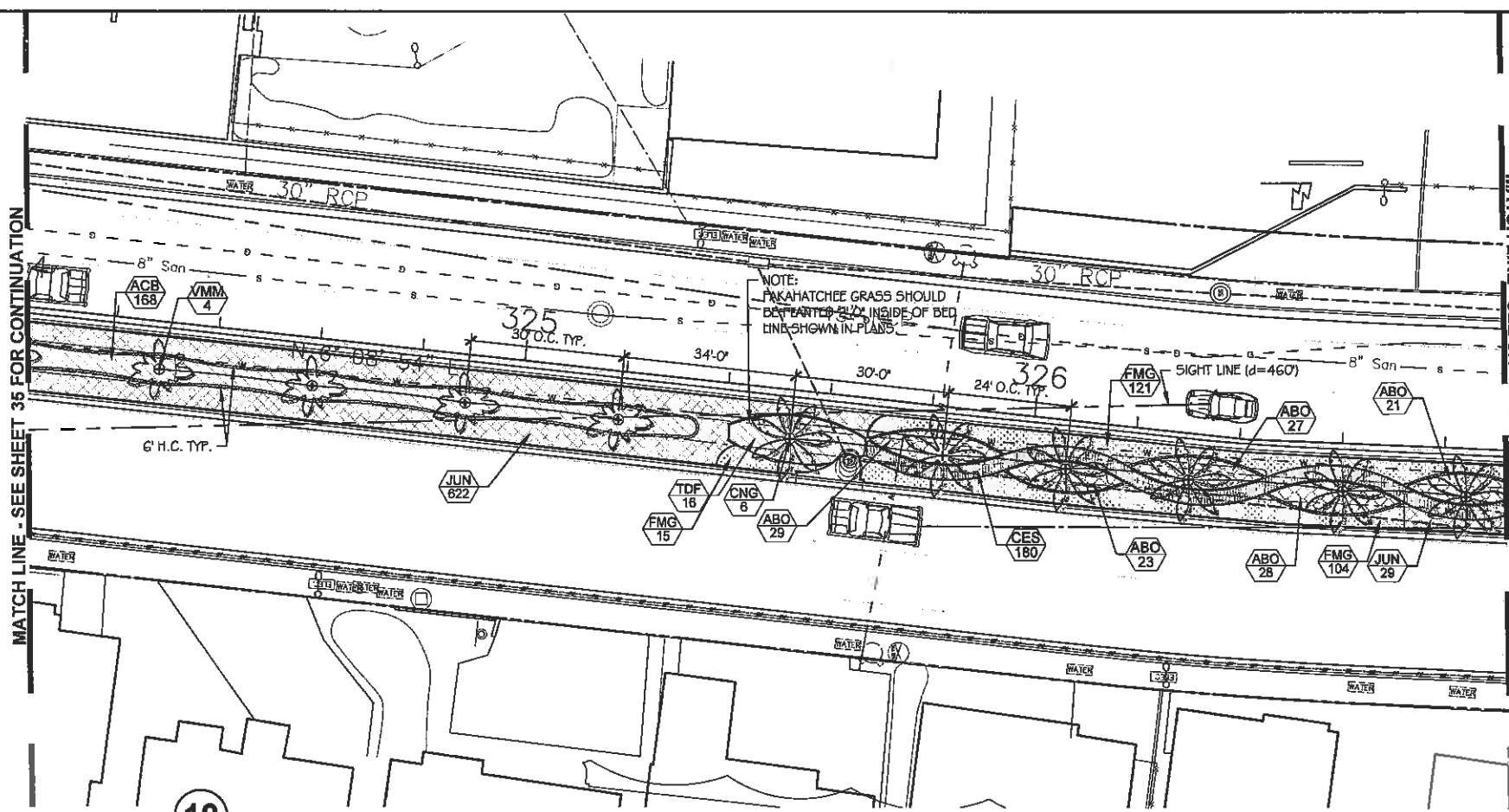
LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORRIE, R.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Wilk Drive, Suite 100, Fort Lauderdale, Florida 33316  
 Phone 954.531.7781 • Fax 954.531.8807  
 Certificate of Authorization LC200003218  
 VENDOR I.D. NO. 65-001-3489

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NOVEMBER 6, 2014

MATCH LINE - SEE SHEET 35 FOR CONTINUATION

MATCH LINE - SEE SHEET 37 FOR CONTINUATION



**12 LANDSCAPE PLAN**

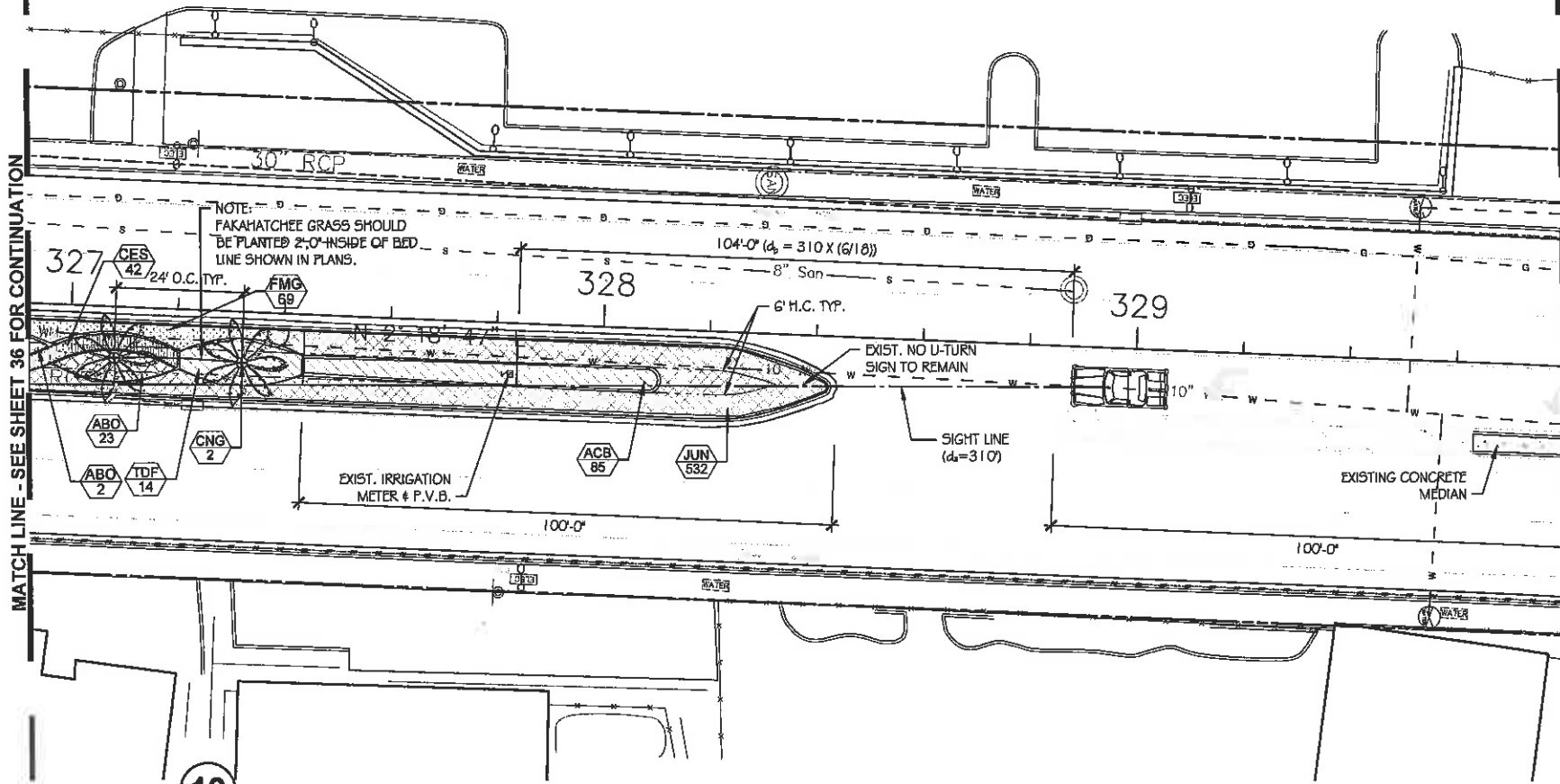


REVISIONS				LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, ILLA, LICENSE 961181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		10-11-15		
DATE	DESCRIPTION	DATE	DESCRIPTION		Calvin, Giordano & Associates, Inc. EXCEPTIONAL SOLUTIONS 1800 Miller Drive, Suite 600, Fort Lauderdale, Florida 33316 Phone 954.581.7781 • Fax 954.521.8807 Certificate of Authorization L2008000338 VPM000110, NO. 55-203-3409	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.	
07/11/14	Revised per FDOT comments									
9/23/14	Revised per ERC comments									
1/5/14	Second Revised per ERC comments									
						A1A	BROWARD	435710-1-78-01	36	
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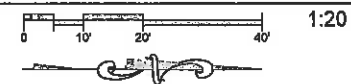
NOVEMBER 5, 2014

MATCH LINE - SEE SHEET 36 FOR CONTINUATION

MATCH LINE - SEE SHEET 38 FOR CONTINUATION



**13 LANDSCAPE PLAN**



*Mim P.C.*  
11/19/14

NOVEMBER 5, 2014

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
8/23/14	Revised per ERC comments		
1/5/14	Second Revised per ERC comments		

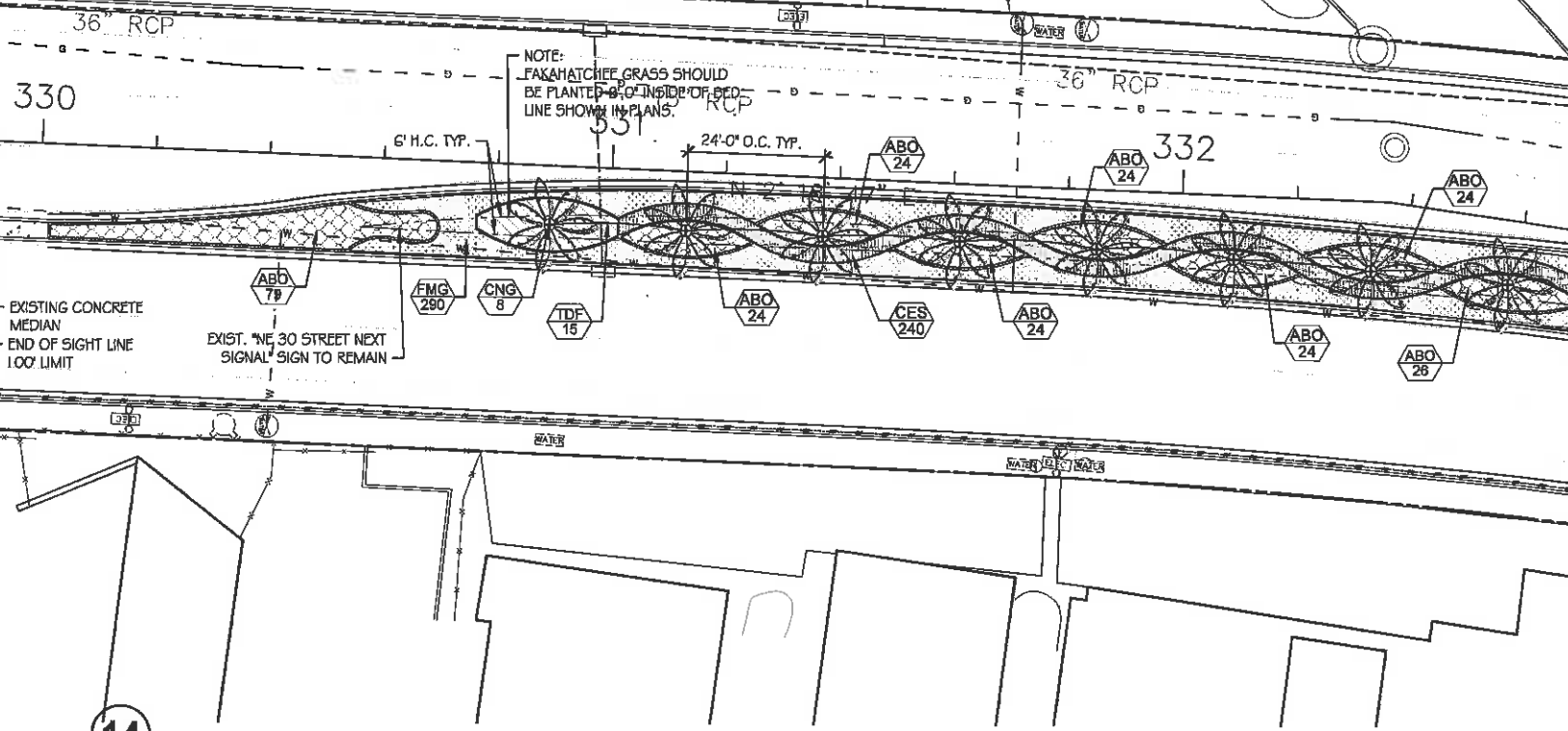
<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>		<b>LANDSCAPE PLAN 1-14-15</b>	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
A1A	BROWARD	435710-1-78-01	37

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Glenview Drive, Suite 600, Fort Lauderdale, Florida 33316  
 Phone: 954.531.7781 • Fax: 954.531.1007  
 Certificate of Authorization L200605839  
 VENDOR: J.B. JOE, 954-501-1009

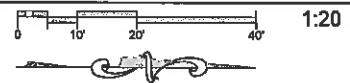
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MATCH LINE - SEE SHEET 37 FOR CONTINUATION

MATCH LINE - SEE SHEET 39 FOR CONTINUATION



**14 LANDSCAPE PLAN**



*min PL*  
11/15/14

NOVEMBER 5, 2014

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A. LICENSE NO. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
5/7/11/14	Revised per FDOT comments			A1A	BROWARD	435710-1-78-01	38
8/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						



**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS  
1800 E. 17th Ave., Suite 100, Fort Lauderdale, Florida 33316  
Phone: 561.551.2781 • Fax: 561.551.2807  
Office: 401 N. Andrews Ave., Suite 100, Fort Lauderdale, FL 33301  
VENDOR L.S. NO. 65-601-2659

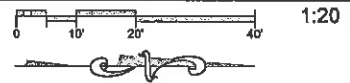
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MATCH LINE - SEE SHEET 38 FOR CONTINUATION

MATCH LINE - SEE SHEET 40 FOR CONTINUATION

# 15 LANDSCAPE PLAN



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments		
9/23/14	Revised per ERC comments		
11/9/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Silver Chime, Suite 100, Fort Lauderdale, Florida 33316  
 Phone: 954.551.7781 • Fax: 954.551.8807  
 Certificate of Authorization: LC20000034  
 VES/CS2 L.A. 100, 95-900-3453

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

LANDSCAPE PLAN 1-1A-15		SHEET NO.
		39

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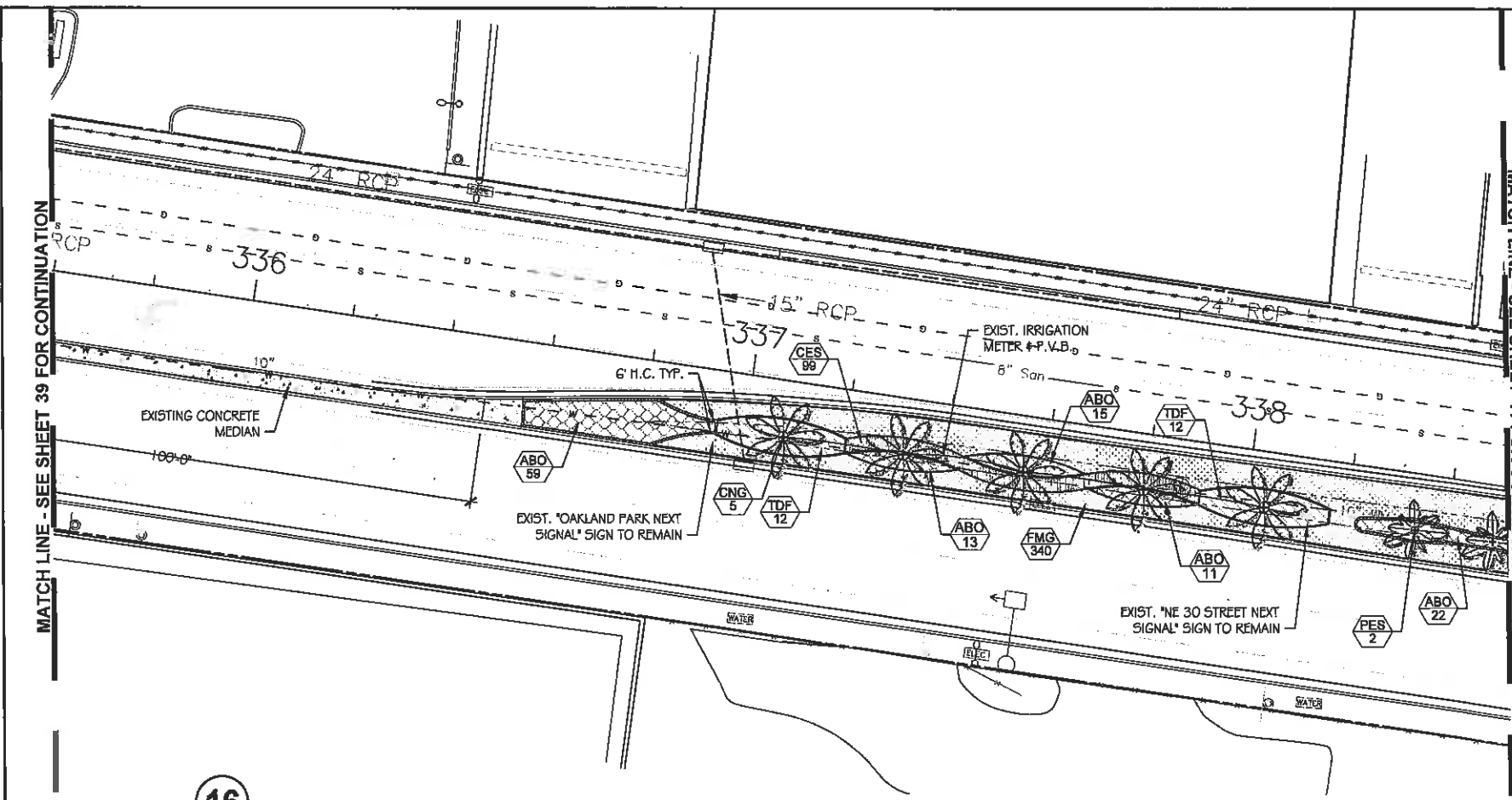
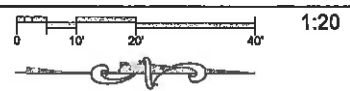
NOVEMBER 5, 2014

*Michael Corner*  
 1-1181

MATCH LINE - SEE SHEET 39 FOR CONTINUATION

MATCH LINE - SEE SHEET 41 FOR CONTINUATION

# 16 LANDSCAPE PLAN



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

**FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT**  
 ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 435710-1-78-01  
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**LANDSCAPE PLAN 1-1415**  
**SHEET NO. 40**

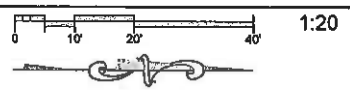
NOVEMBER 5, 2014

EXHIBIT 2  
CAM 14-1512  
PAGE 50 of 92

MATCH LINE - SEE SHEET 40 FOR CONTINUATION

MATCH LINE - SEE SHEET 42 FOR CONTINUATION

**17 LANDSCAPE PLAN**



*mini PL*  
11/18/14

NOVEMBER 5, 2014

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: JOURNAL COMM. ILLA, LICENSE NO. 1131  
**Calvin Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1800 Sky Drive, Suite 600, Fort Lauderdale, Florida 33316  
 Phone: 954.951.7791 • Fax: 954.921.8827  
 Certificate of Authorization LC2000000239  
 VEROCLIP I.D. NO. 45-681-3399

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**LANDSCAPE PLAN** 1-1A-15

SHEET NO.  
**41**

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MATCH LINE - SEE SHEET 36 FOR CONTINUATION

18

# LANDSCAPE PLAN

NO IMPROVEMENTS  
ON THIS SHEET

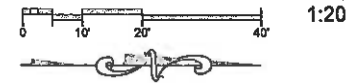
SIGNALIZED INTERSECTION  
OPERATES 24 HOURS  
7 DAYS A WEEK

OAKLAND PARK BLVD.  
(S.R. 816)

64

343

344



*Handwritten signature and date: 11/18/14*

NOVEMBER 5, 2014

REVISIONS				 <p>LANDSCAPE ARCHITECT OF RECORD: MICHAEL COMBES, F.L.A., LICENSE #11191 <b>Calvin, Giordano &amp; Associates, Inc.</b> EXCEPTIONAL SOLUTIONS 1800 Eller Drive, Suite 100, Fort Lauderdale, Florida 33316 Phone 954.551.2784 • Fax 954.551.6057 Certificate of Authorization LC0000023a VERICOR LID. NO. 06-201-3583</p>	FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			LANDSCAPE PLAN	SHEET NO.  42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
9/23/14	Revised per ERC comments			A1A	BROWARD	435710-1-78-01			
11/5/14	Second Revised per ERC comments								

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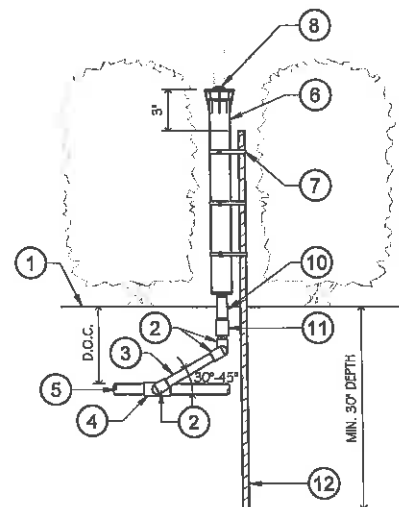
# IRRIGATION / WATERING NOTES:

## GENERAL:

- CONTRACTOR SHALL VERIFY CONDITION OF THE ENTIRE EXISTING IRRIGATION SYSTEM(S), AND REPAIR ANY BROKEN VALVES, 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 REPLACE ALL EXISTING HEADS WITH NEW 12" POP-UPS, AS SPECIFIED IN SCHEDULE. CONTRACTOR SHALL USE EXISTING NOZZLES WHERE POSSIBLE, NEW NOZZLES WILL BE REQUIRED FOR LOCATIONS PREVIOUSLY COVERED BY PAVERS. IRRIGATION LATERALS WITHIN EXISTING PAVEMENT AREAS (TO BE REMOVED) WILL REQUIRE RETROFITTING BY THE IRRIGATION CONTRACTOR IN ORDER TO INCORPORATE NEW SPRAY BODIES AND NOZZLES TO FULLY WATER ALL LANDSCAPE AREAS.
- REPAIR OF ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS/HER EXPENSE.
- CONTRACTOR SHALL COORDINATE WITH CITY OF FT. LAUDERDALE PARKS & REC. DEPARTMENT (CONTACT MARK ALMY 954-828-5869) PRIOR TO THE INSTALLATION OF ANY IRRIGATION EQUIPMENT.
- IRRIGATION PLANS ARE SCHEMATIC IN NATURE, CONTRACTOR SHALL INSTALL ALL PIPE AND SPRAYS WITHIN LANDSCAPE AREAS TO PROVIDE 100% COVERAGE.
- INSTALLATION OF LATERALS 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 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.
- 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 ZONES, 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, UNTIL THE IRRIGATION SYSTEM IS FUNCTIONAL:

CONTRACTOR SHALL USE THESE METHODS FOR INSTALLATION OF SPRAYS OR ROTARY SPRINKLERS WITHIN SHRUB BED AREAS.



TYPICAL SWING JOINT  
(3-ELL OPTION)

NOTE: CONTRACTOR SHALL PROVIDE MANUFACTURER'S CUT SHEETS IF USING RE-MANUFACTURED SWING JOINTS, FOR APPROVAL PRIOR TO ORDERING.

- FINISH GRADE
- 1/2" HIGH DENSITY POLYETHYLENE (MARLEX) STREET ELL
- SCH 80 NIPPLE (LENGTH AS REQUIRED)
- SCH 40 LATERAL TEE (ST) OR ELL (ST), INSTALL THREAD OUTLET SIDEWAYS
- LATERAL PIPE
- POP-UP SPRAY BODY (SEE PLANS & SCHEDULE FOR TYPE)
- BLACK NYLON TIE STRAPS (TOTAL OF 3 PER RISER) EQUALLY SPACED
- SPRAY NOZZLE (PER PLAN & SCHEDULE)
- SHRUBS (REFER TO PLANTING PLAN & SCHEDULE FOR SHRUB MAINTAINED HEIGHT)
- PVC UVR ("BROWNLINER") SCH 80 NIPPLE (LENGTH AS REQUIRED)
- SCH 40 THREADED COUPLER
- 3/4" PVC SCH 40 PIPE (PAINTED BLACK)

## IRRIGATION SCHEDULE:

SYMBOL	QUANTITY	MANUFACTURER/MODEL
	258	REPLACE existing spray bodies with new Rain Bird (RD-12-S-P30-F) use existing nozzles when possible.
	26	REPLACE existing spray bodies and nozzle with new Rain Bird (RD-06-S-P30-F) 15 Series MPR - 180° (half circle)
	31	NEW head locations - Rain Bird RD-12-S-P30-F 15 Series MPR - 180° (half circle). Note these new locations will require retrofitting the existing laterals in the area to incorporate these heads without loss of pressure & flow to the existing zones.

NOTE: WHEN REPLACING EXISTING SPRAY BODIES, CONTRACTOR SHALL PROVIDE NEW RAINBIRD SERIES MPR NOZZLES WHEN EXISTING NOZZLES ARE NOT FUNCTIONING PROPERLY.

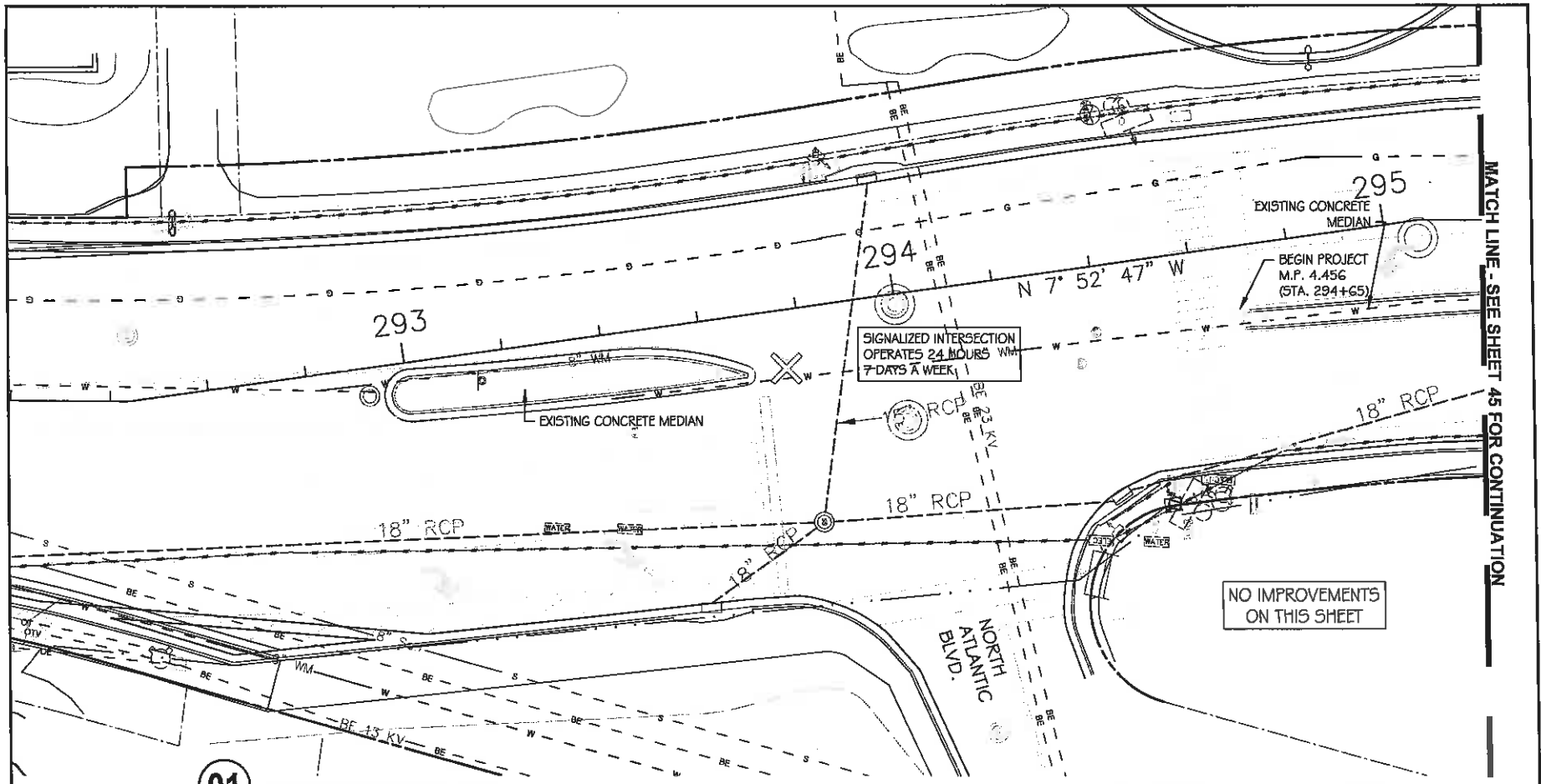
1 328403.23-03  
SHRUB 12" POP-UP ON RISER

N.T.S.

NOVEMBER 5, 2014

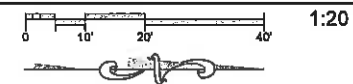
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DATE	DESCRIPTION	DATE	DESCRIPTION		<b>Calvin, Giordano &amp; Associates, Inc.</b> EXCEPTIONAL SOLUTIONS® 1800 E. 1st Ave., Suite 600, Fort Lauderdale, Florida 33316 Phone: 954.531.2781 • Fax: 954.531.2657 Certificate of Registration LC00000208 VENDOR I.D. NO. 45-081-3898	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	<b>11415</b> <b>43</b>	<b>43</b>
07/11/14	Revised per FDOT comments (Added sheet)					A1A	BROWARD	435710-1-78-01		
9/23/14	Revised per ERC comments									
11/5/14	Second Revised per ERC comments									

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# 01 IRRIGATION PLAN

IRRIGATION NOTE:  
CONTRACTOR SHALL REPAIR ANY BROKEN  
IRRIGATION EQUIPMENT WITHIN THE MEDIANS.  
SEE SHEET 43 FOR NOTES, SYMBOL LEGEND,  
DETAIL & SCHEDULE



*Handwritten signature: M. P. L. LA 11/10/15*

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments (Added sheet)		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, P.L.A., LICENSE NO. 1181  
**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS  
 1100 8th Ave, Suite 1001, Fort Lauderdale, Florida 33316  
 Phone: 954.321.7781 • Fax: 954.321.8807  
 Certificate of Authorization LC200604338  
 VENDOR ID: 15, 15, 15-01-1001

**FT. LAUDERDALE HIGHWAY  
BEAUTIFICATION GRANT**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

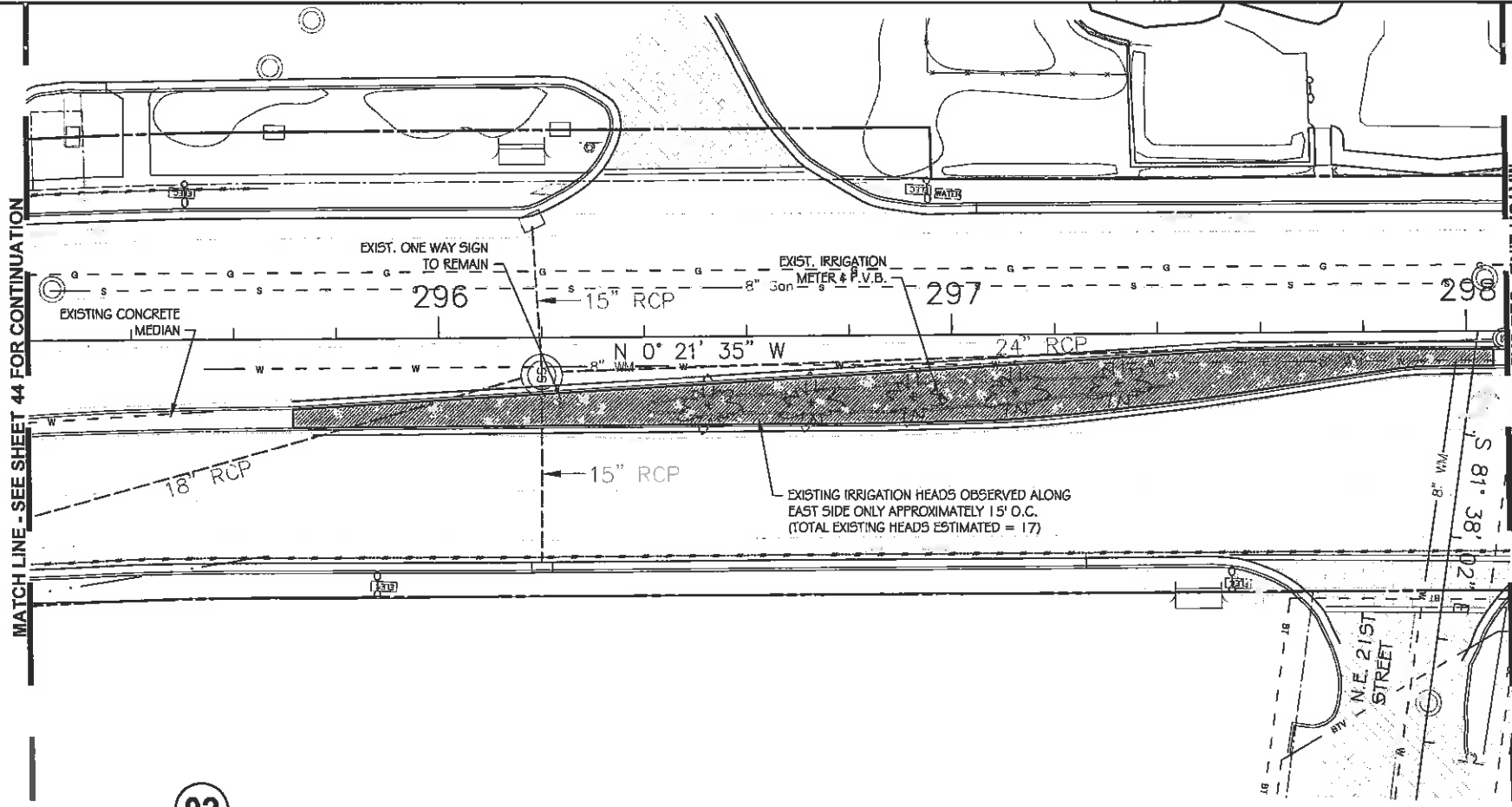
## IRRIGATION PLAN

1-17-15  
 SHEET NO.  
**44**

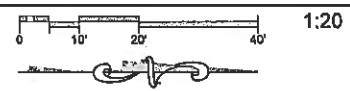
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MATCH LINE - SEE SHEET 44 FOR CONTINUATION

MATCH LINE - SEE SHEET 46 FOR CONTINUATION



**02 IRRIGATION PLAN**



*Handwritten signature: Jim P. L. LA 1191*

JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORREIA, N.L.A., LICENSE No. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments (Added sheet)			A1A	BROWARD	435710-1-78-01	45
9/23/14	Revised per ERG comments						
11/5/14	Second Revised per ERG comments						

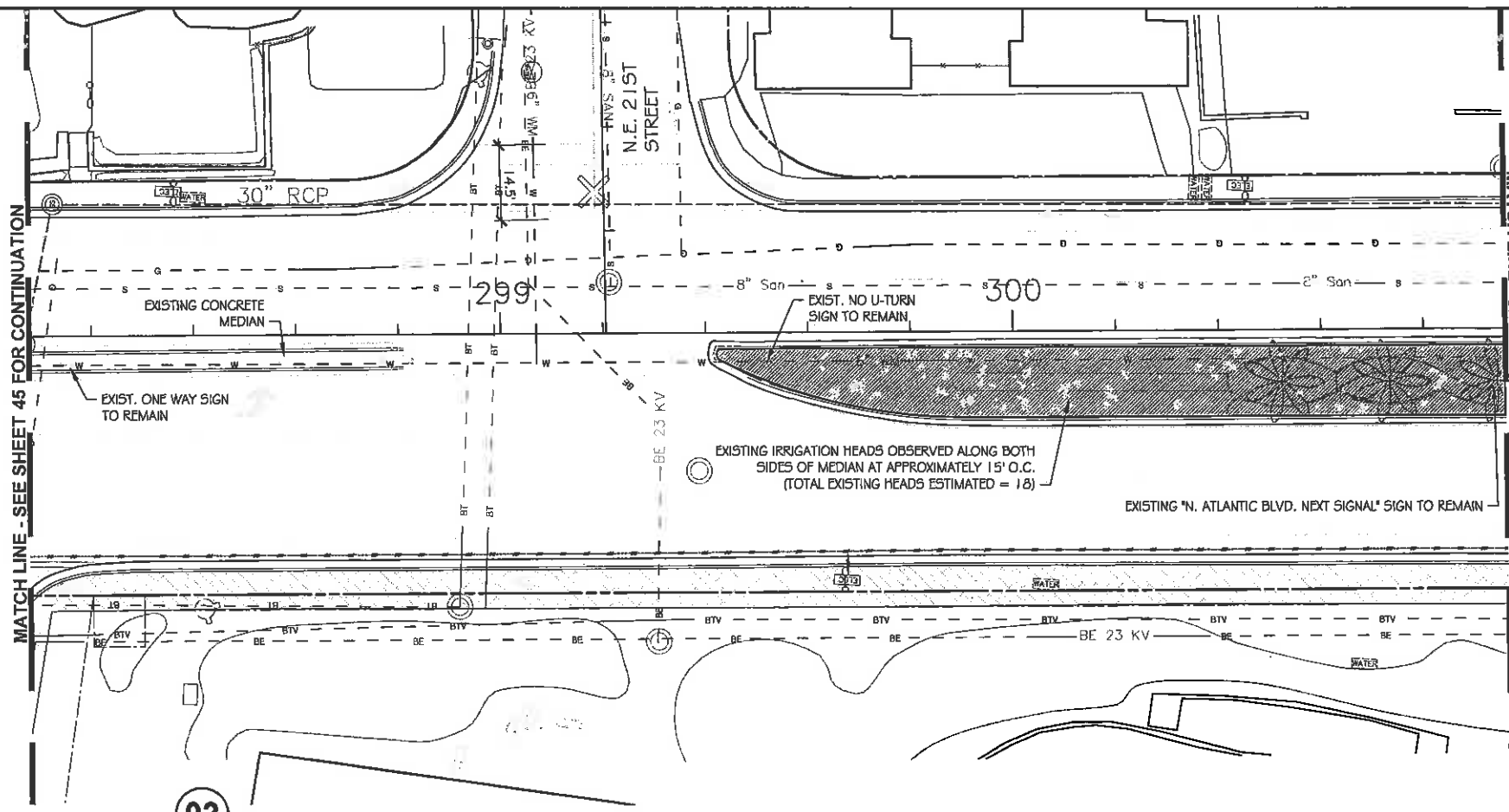


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 Certificate of Authorization LC00000909-00  
 VENDOR ID: NO. 05-001-2008

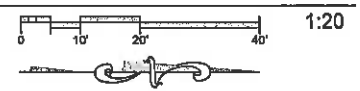
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MATCH LINE - SEE SHEET 45 FOR CONTINUATION

MATCH LINE - SEE SHEET 47 FOR CONTINUATION



**03 IRRIGATION PLAN**



*Min P.C.*  
LA1181

JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A., LICENSE NO. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			IRRIGATION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
07/11/14	Revised per FDOT comments (Added sheet)			A1A	BROWARD	435710-1-78-01		
09/23/14	Revised per ERC comments							
11/5/14	Second Revised per ERC comments							
01/12/15	Revised per Final Agreement							



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1800 E. River Choke, Suite 600, Fort Lauderdale, Florida 33316  
Phone 954.581.7781 • Fax 954.581.2807  
Certificate of Authorization LC000008338  
VENDOR ID: NO. 68-901-3899

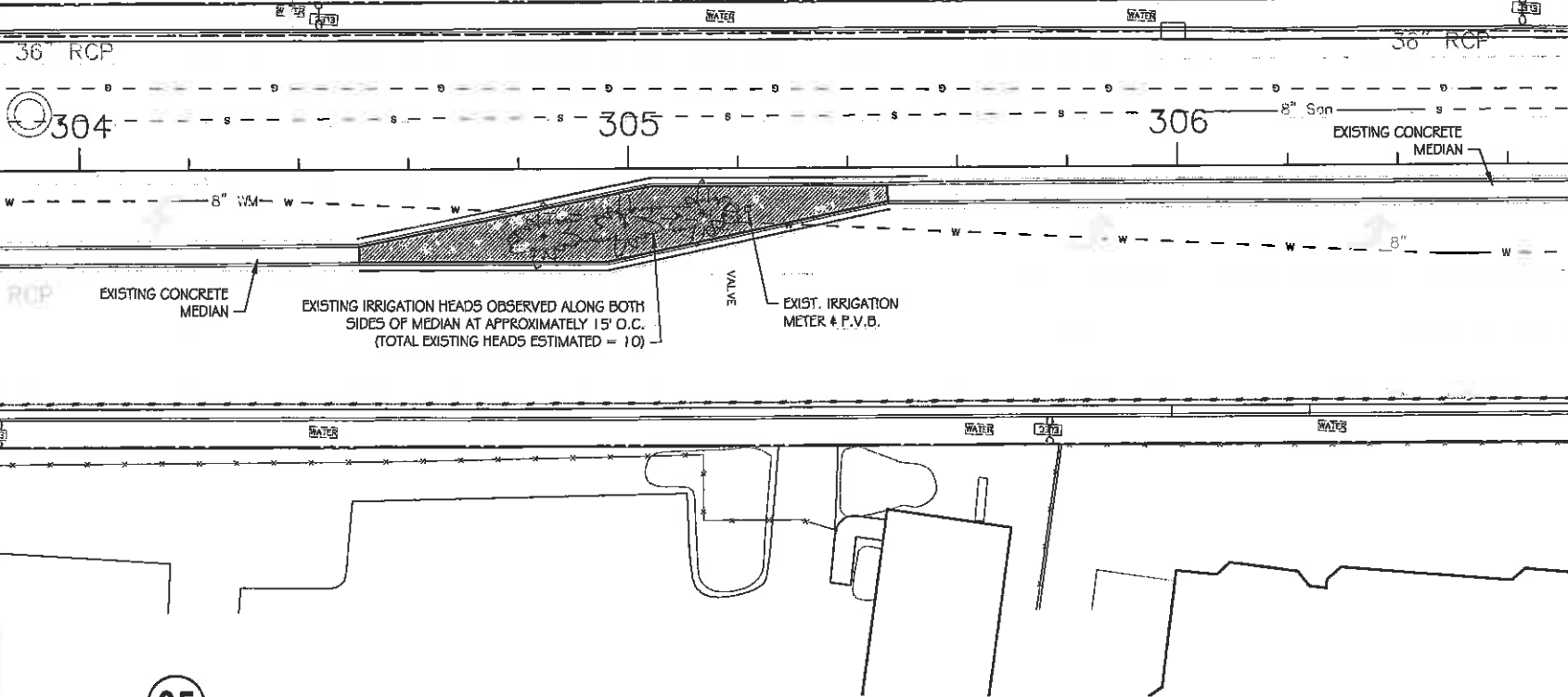
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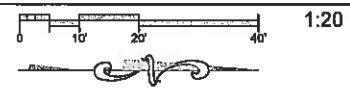


MATCH LINE - SEE SHEET 47 FOR CONTINUATION

MATCH LINE - SEE SHEET 49 FOR CONTINUATION



**05 IRRIGATION PLAN**



*Min P. L.*  
1-11-15

JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE No. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments (Added sheet)			A1A	BROWARD	435710-1-78-01	48
09/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						

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1800 Miller Drive, Suite 600, Fort Lauderdale, Florida 33316  
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Certificate of Registration LC200000339  
VENDOR I.D. NO. 65-061-3868

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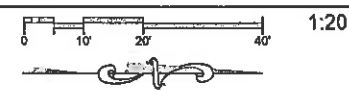
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MATCH LINE - SEE SHEET 50 FOR CONTINUATION

**06 IRRIGATION PLAN**

NO IMPROVEMENTS  
ON THIS SHEET

SIGNALIZED INTERSECTION  
OPERATES 24 HOURS  
7 DAYS A WEEK



*Min P. L.*  
1/11/15

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

 <b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID
<small>LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER R.L.A. LICENSE NO. 11111 Calvin, Giordano &amp; Associates, Inc. EXCEPTIONAL SOLUTIONS 1000 Miller Drive, Suite 100, Fort Lauderdale, Florida 33316 Phone: 954.521.2781 • Fax: 954.521.1667 Certificate of Authorization: LC20050036 VTD/CORP I.D. NO. 95-501-3589</small>		A1A	BROWARD	435710-1-78-01

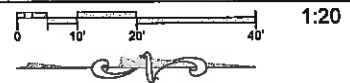
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1-14-15		49

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MATCH LINE - SEE SHEET 49 FOR CONTINUATION

MATCH LINE - SEE SHEET 51 FOR CONTINUATION

**07 IRRIGATION PLAN**



*Mini P.L.*  
LA 1181

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

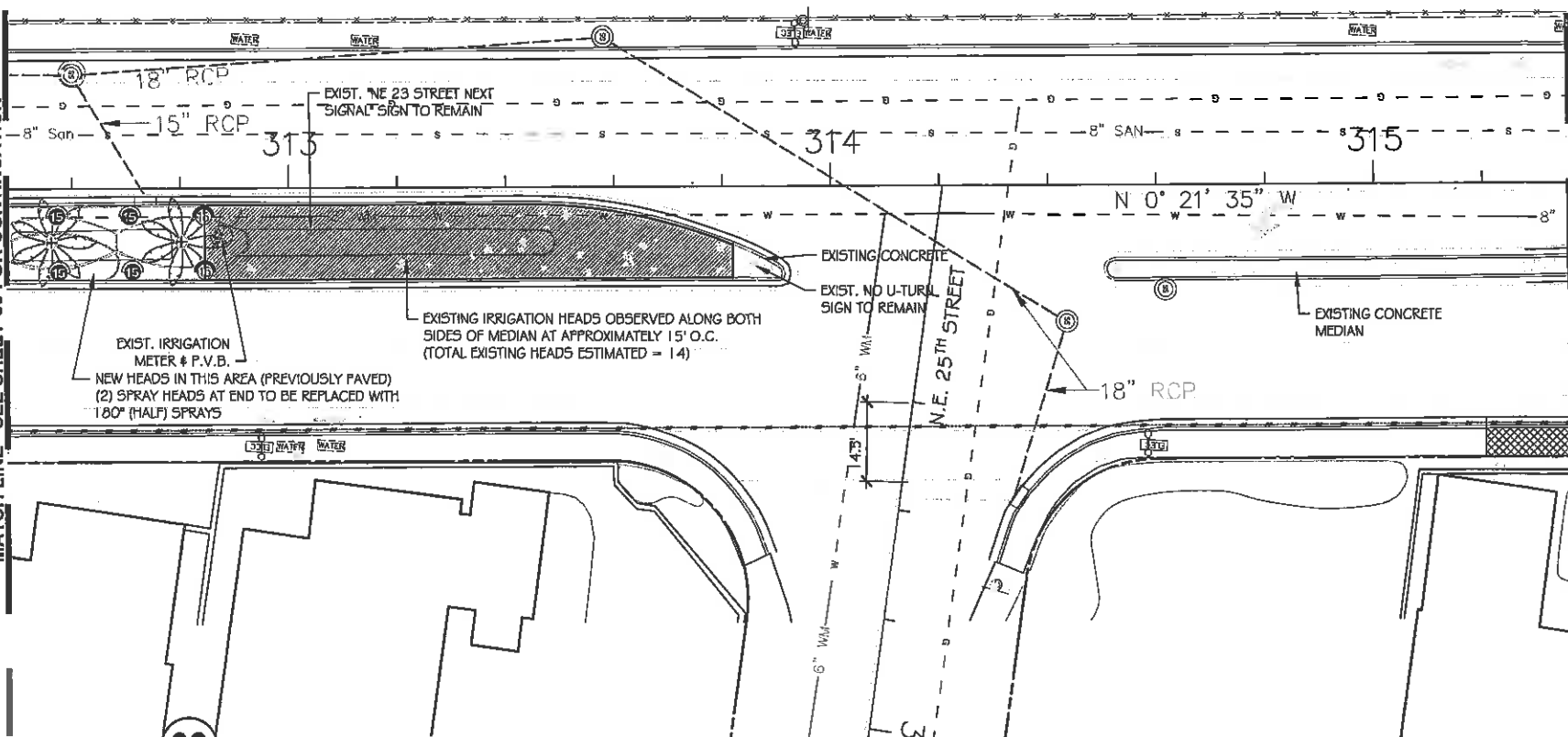
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		Calvin, Giordano & Associates, Inc. EXCEPTIONAL SOLUTIONS® 1800 Eller Drive, Suite 600, Fort Lauderdale, Florida 33316 Phone: 954.531.7791 • Fax: 954.581.8807 Certified as an Architectural Firm L.C. 000095389 VENDOR I.D. NO. 58-051-2993	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
A1A	BROWARD	435710-1-78-01	

<b>IRRIGATION PLAN</b>		SHEET NO.
1-1415		50

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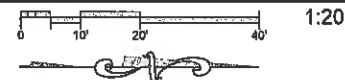
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MATCH LINE - SEE SHEET 52 FOR CONTINUATION



08

# IRRIGATION PLAN



*Min D.C.*  
1/11/15

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments (Added sheet)		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, A.L.A., LICENSE NO. 11411

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VENDOR ID NO. 05-001-5883

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

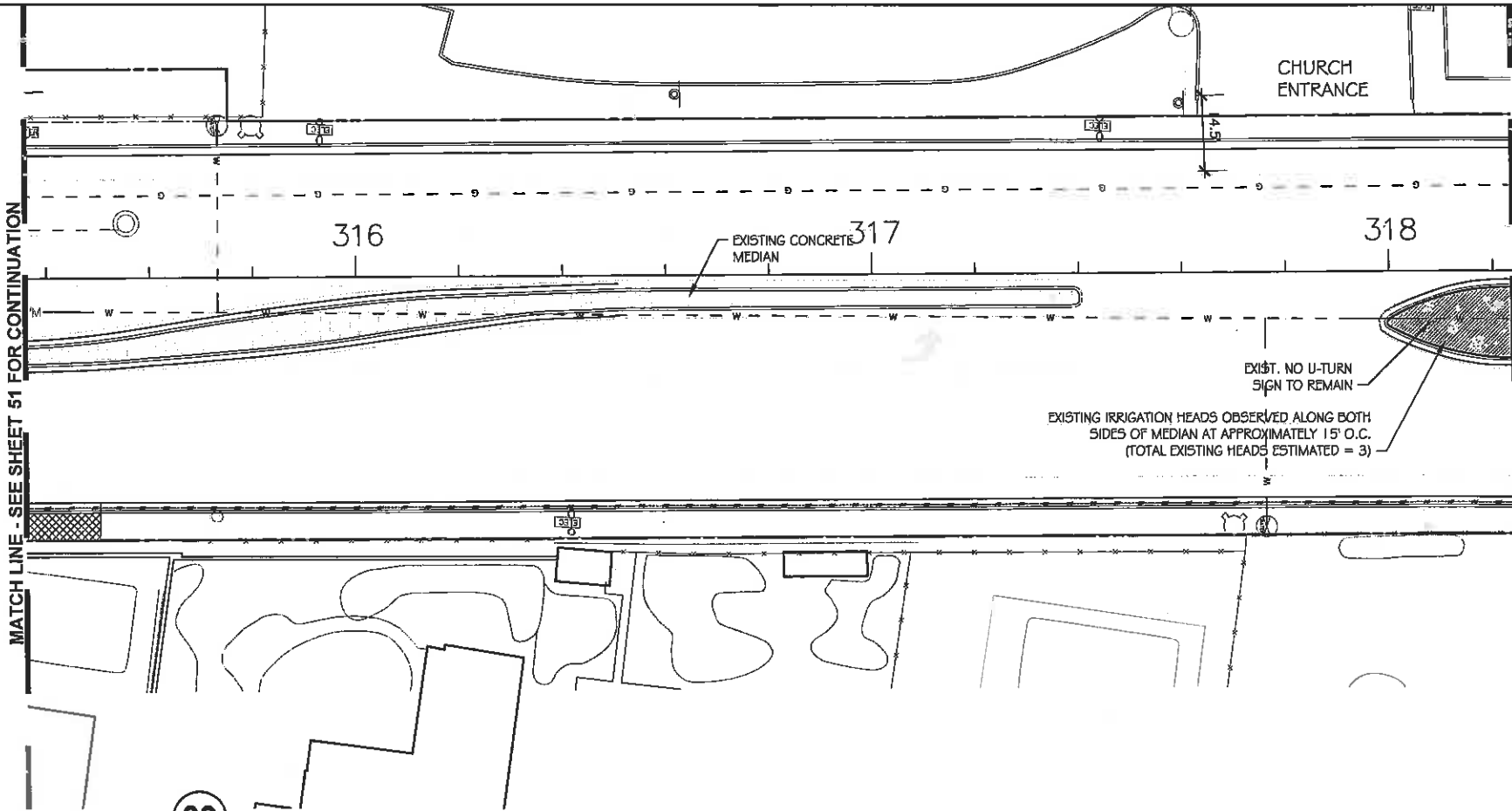
IRRIGATION PLAN *11A-15*

SHEET NO.
51

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MATCH LINE - SEE SHEET 51 FOR CONTINUATION

MATCH LINE - SEE SHEET 53 FOR CONTINUATION



**09 IRRIGATION PLAN**

*Mini P.C.*  
1/11/15

JANUARY 12, 2015

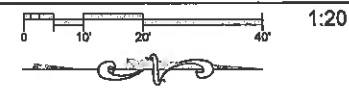
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DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY			
9/23/14	Revised per ERC comments									
11/5/14	Second Revised per ERC comments									
					A1A	BROWARD	435710-1-78-01			

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MATCH LINE - SEE SHEET 54 FOR CONTINUATION

# 10 IRRIGATION PLAN

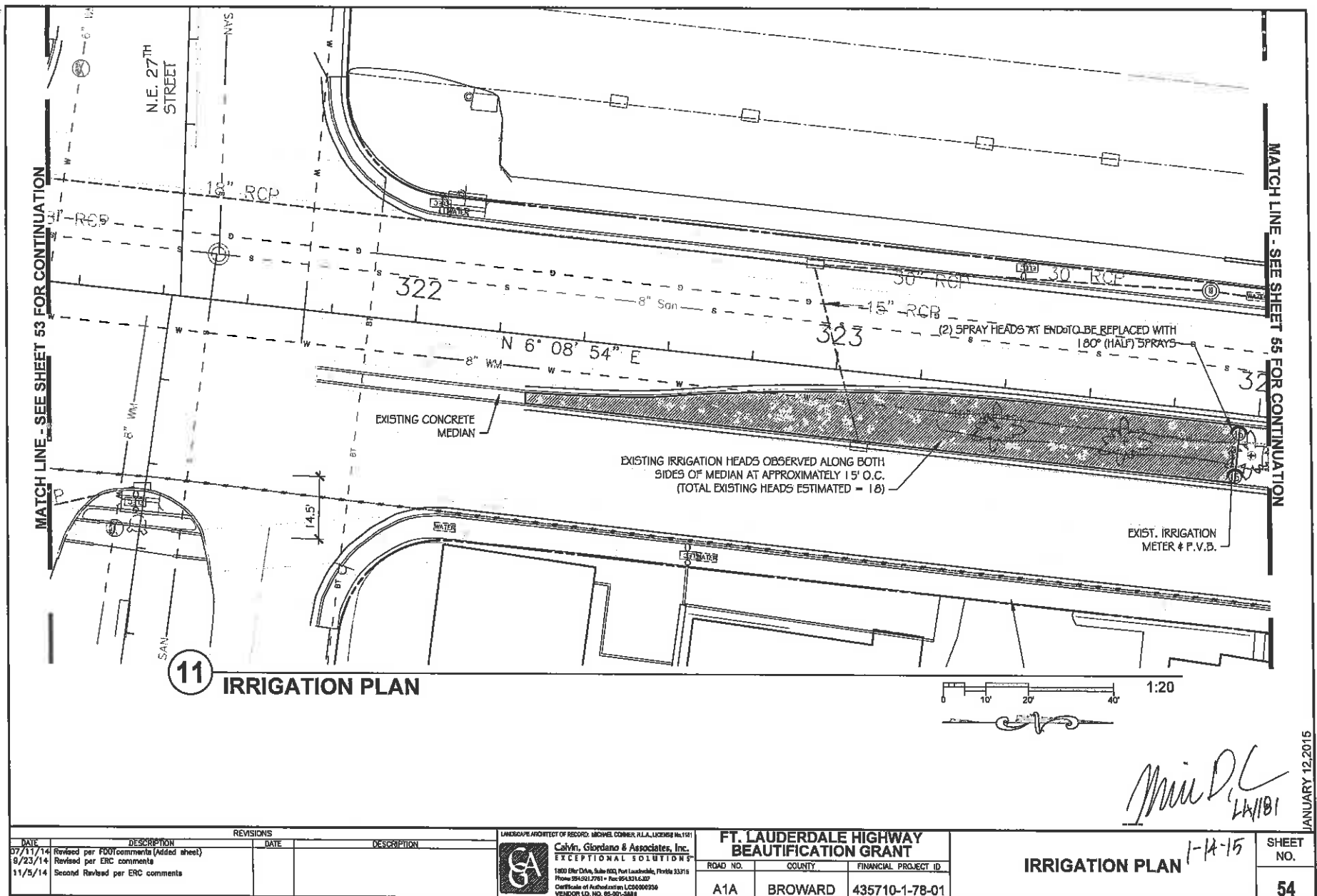


*Min P. C.*  
1-11-15

JANUARY 12, 2015

REVISIONS		REVISIONS			FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		IRRIGATION PLAN	SHEET NO.  53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY		
07/11/14	Revised per FDOT comments (Added sheet)				A1A	BROWARD		
9/23/14	Revised per ENG comments						435710-1-78-01	
11/5/14	Second Revised per ENG comments							

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JANUARY 12, 2015

REVISIONS		LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, F.L.A., LICENSE #141181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		IRRIGATION PLAN 1-14-15	SHEET NO. 54
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
07/11/14	Revised per FDOT comments (Added sheet)			A1A	BROWARD	435710-1-78-01	
08/23/14	Revised per ERC comments						
11/05/14	Second Revised per ERC comments						

**GA**  
**Calvin, Giordano & Associates, Inc.**  
**EXCEPTIONAL SOLUTIONS™**  
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 Phone 954.561.2781 • Fax 954.331.6387  
 Certificate of Authorization LC06000936  
 Vendor ID: 05-001-3444

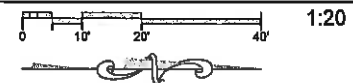
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# 12 IRRIGATION PLAN



*Min P. L.*  
L&B

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments (Added sheet)		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

		<b>FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>	
<small>LANDSCAPE ARCHITECT OF RECORD: MICHAEL CORNER, R.L.A., LICENSE NO. 19111</small> <b>Calvin, Giordano &amp; Associates, Inc.</b> <small>EXCEPTIONAL SOLUTIONS™</small> <small>1400 E. Broward Blvd., Suite 500, Fort Lauderdale, Florida 33316</small> <small>Phone: 954.921.7701 • Fax: 954.921.6607</small> <small>Certificate of Authorization LC000000318</small> <small>FLA00000110, REG. 03-2013-0000</small>	<small>ROAD NO.</small> <b>A1A</b>	<small>COUNTY</small> <b>BROWARD</b>	<small>FINANCIAL PROJECT ID</small> <b>435710-1-78-01</b>

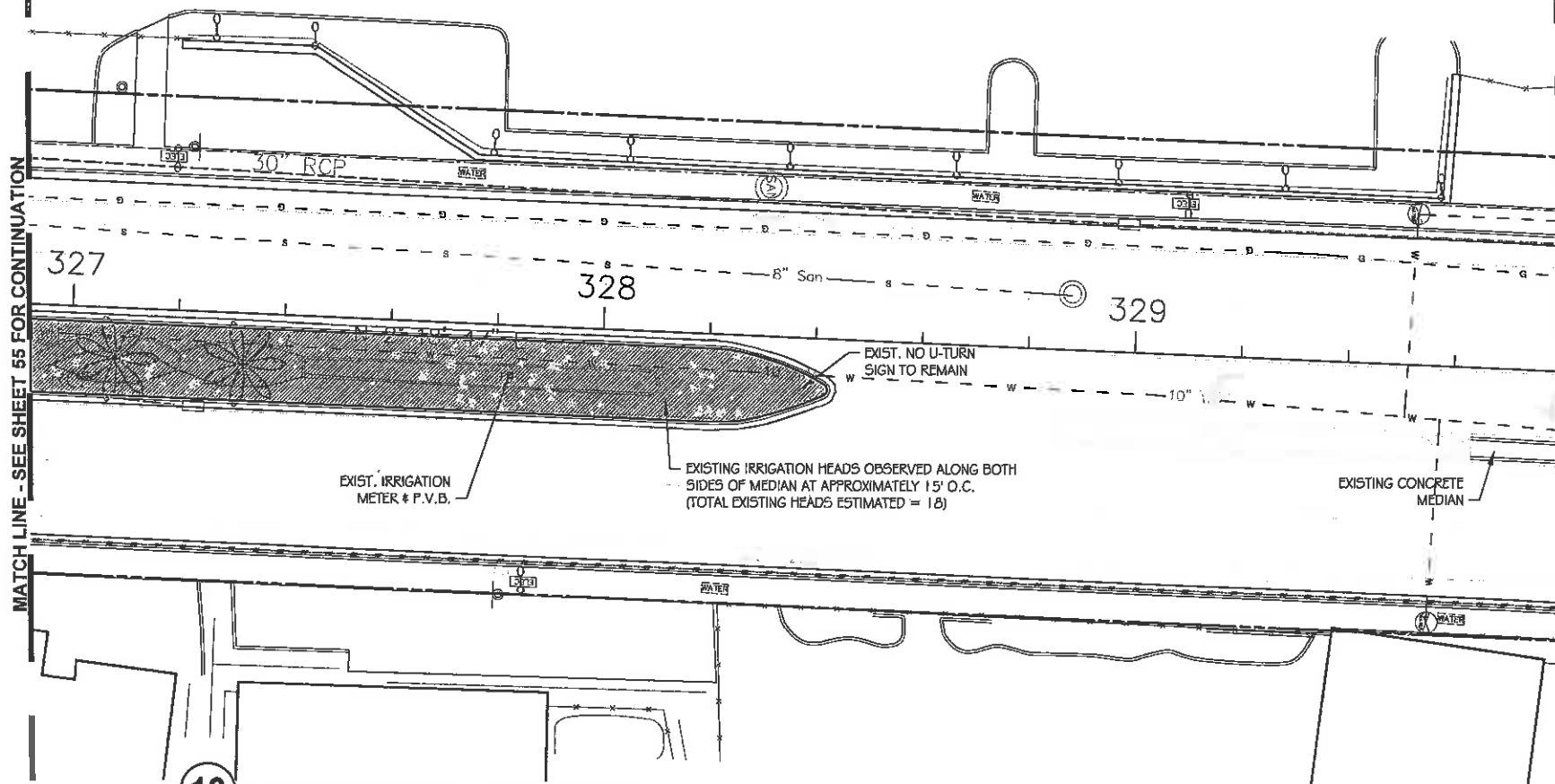
  

<b>IRRIGATION PLAN 1-14-15</b>		<b>SHEET NO.</b> <b>55</b>
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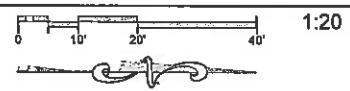
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MATCH LINE - SEE SHEET 55 FOR CONTINUATION

MATCH LINE - SEE SHEET 57 FOR CONTINUATION



**13 IRRIGATION PLAN**



*Min P. L.*  
1/11/15

JANUARY 12, 2015

REVISIONS		Landscape Architect of Record: URBAN CONCRETE, LLC, License No. 1181		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments (Added sheet)			A1A	BROWARD	435710-1-78-01	56
09/23/14	Revised per ERC comments						
11/05/14	Second Revised per ERC comments						

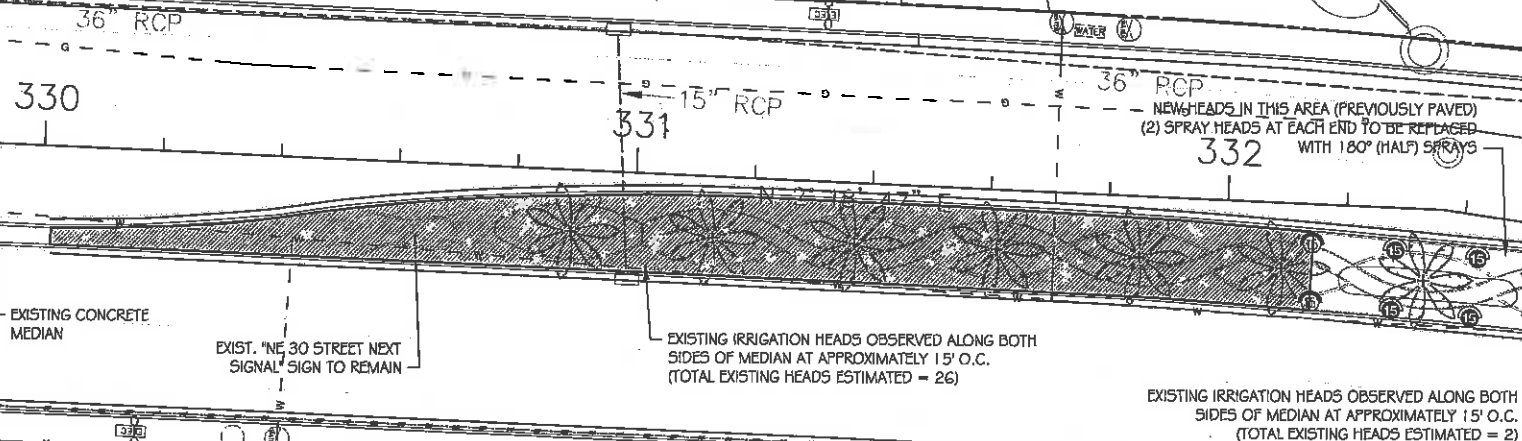


**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS™  
1800 Eller Drive, Suite 400, Fort Lauderdale, Florida 33316  
Phone: 954.921.2791 • Fax: 954.921.8807  
Certified to AS/NZS ISO 9001:2008  
VENDOR I.D. NO. 13-001-3888

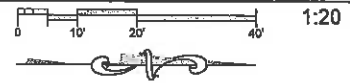
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MATCH LINE - SEE SHEET 58 FOR CONTINUATION



**14 IRRIGATION PLAN**



*Michael D. Conner*  
LA 1181

JANUARY 12, 2015

REVISIONS		REVISIONS		FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
07/11/14	Revised per FDOT comments (Added sheet)			A1A	BROWARD	435710-1-78-01	57
9/23/14	Revised per ERC comments						
11/5/14	Second Revised per ERC comments						

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, P.L.A., LICENSE NO. 11181

**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

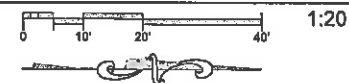
1400 E. 1st Ave., Suite 600, Fort Lauderdale, Florida 33316  
Phone: 954.551.7781 • Fax: 954.551.0827  
Certificate of Authorization: LC00000039  
VENDOR I.D. NO. 05-001-1382

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MATCH LINE - SEE SHEET 57 FOR CONTINUATION

MATCH LINE - SEE SHEET 59 FOR CONTINUATION

# 15 IRRIGATION PLAN



*Min P.C.*  
1/11/15

JANUARY 12, 2015

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
07/11/14	Revised per FDOT comments (Added sheet)		
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CONNER, R.L.A., LICENSE NO. 1151

**GA** Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS  
1870 E. Chas. Sells Rd., Ft. Lauderdale, Fla. 33316  
Phone: 954.521.7781 • Fax: 954.521.8807  
Certificate of Authorization: LC00000339  
VIRADORA, L.P., NO. 85-091-3989

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

IRRIGATION PLAN 1-14-15

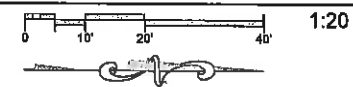
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MATCH LINE - SEE SHEET 58 FOR CONTINUATION

MATCH LINE - SEE SHEET 60 FOR CONTINUATION

# 16 IRRIGATION PLAN



*Min P. L.*  
1-11-15  
JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

**Calvin Giordano & Associates, Inc.**  
**EXCEPTIONAL SOLUTIONS**  
1800 E. 1st Ave., Suite 100, Fort Lauderdale, Florida 33316  
 Phone: 954.521.7781 • Fax: 954.521.8827  
 Certificate of Authorization LC000000336  
 VENDOR ID: INC. 95-801-3189

**FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**IRRIGATION PLAN**

1-14-15

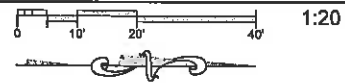
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MATCH LINE - SEE SHEET 59 FOR CONTINUATION

MATCH LINE - SEE SHEET 61 FOR CONTINUATION

**17 IRRIGATION PLAN**



*Min P.C.*  
1/11/15

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ENC comments		
11/5/14	Second Revised per ENC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHAEL CRIMM, R.L.A., LICENSE #14181

**GA** Calvin, Giordano & Associates, Inc.  
EXCEPTIONAL SOLUTIONS

1800 E. Cole, Suite 200, Fort Lauderdale, Florida 33316  
Phone: 954.551.2781 • Fax: 954.521.1887  
Certificate of Authorization: LC00000334  
VENDOR I.D. NO. 04-201-3433

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

**IRRIGATION PLAN**

1-1A-15

SHEET NO.  
**60**

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MATCH LINE - SEE SHEET 60 FOR CONTINUATION

24" RCP

END OF PROJECT  
M.P. 5.383  
(STA. 342+51)

OAKLAND PARK BLVD  
(S.R. 816)

64

343

344

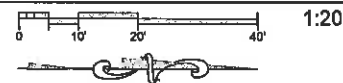
NO IMPROVEMENTS  
ON THIS SHEET

SIGNALIZED INTERSECTION  
OPERATES 24 HOURS  
7 DAYS A WEEK

15" RCP

18

# IRRIGATION PLAN



*Min P. L.*  
LA 1121

JANUARY 12, 2015

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
9/23/14	Revised per ERC comments		
11/5/14	Second Revised per ERC comments		

LANDSCAPE ARCHITECT OF RECORD: MICHEL COMIER, R.L.A. (LICENSE NO. 1161)

**Cahin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS

1820 15th Drive, Suite 100, Fort Lauderdale, Florida 33316  
Phone: 954.921.7789 • Fax: 954.921.6807  
Certificate of Authorization LC00000238  
VENDOR I.D. NO. 65-001-3889

FT. LAUDERDALE HIGHWAY BEAUTIFICATION GRANT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	435710-1-78-01

## IRRIGATION PLAN

1-14-15

SHEET  
NO.  
**61**

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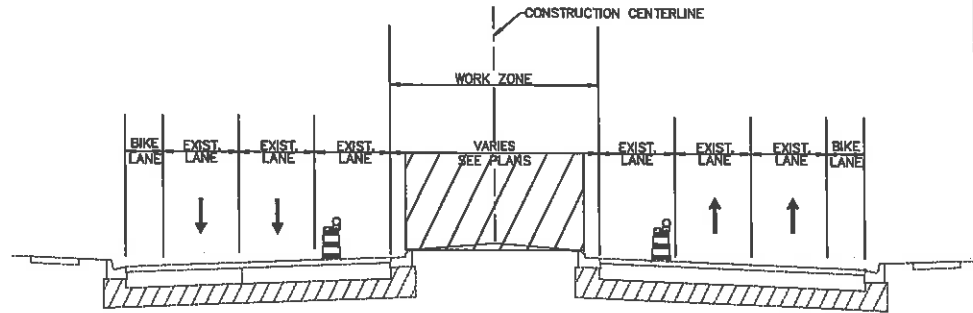
# TRAFFIC CONTROL PLAN - GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH LATEST FDOT DESIGN STANDARDS INDEX 600 SERIES, MUTCD 2009 AND PROJECT PLANS.
2. THE REGULATORY SPEED LIMIT FOR S.R. A1A/N. OCEAN BLVD. DURING CONSTRUCTION SHALL BE MAINTAINED AT THE EXISTING POSTED SPEED LIMIT 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 MOT 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 S.R. A1A/N. OCEAN BLVD. 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.

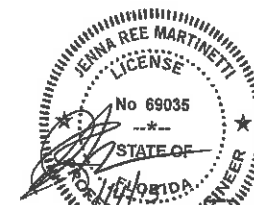
LANE CLOSURE WILL BE LIMITED TO EITHER THE LANE ADJACENT TO THE MEDIAN OR THE OUTSIDE BUT NOT BOTH AT ANY GIVEN TIME.

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 REDOPEN 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. ARROWS IN TRAFFIC CONTROL PLAN DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS.



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

## WORK IN MEDIAN



NOVEMBER 5, 2014

REVISIONS					SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
07/11/14	Revised per FDOT comments (Added sheet)				
9/23/14	Revised per ERO comments				
11/5/14	Second Revised per ERO comments				

 <b>ENGINEER OF RECORD: JENNA MARTINETTI, P.E., LICENSE NO. 69035</b> <b>Calvin, Giordano &amp; Associates, Inc.</b> <b>EXCEPTIONAL SOLUTIONS</b> 1400 First Drive, Suite 100, Fort Lauderdale, Florida 33315 Phone: 954.951.2781 • Fax: 954.931.6807 Certificate of Authorization LC200600338			<b>FORT LAUDERDALE HIGHWAY BEAUTIFICATION GRANT</b>		
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		<b>TRAFFIC CONTROL PLAN</b>
S.R. A1A		BROWARD	435710-1-78-01		

62
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## EXHIBIT C

### PERMIT REQUIREMENTS

1. The Project shall be designed and constructed in accordance with the latest edition of the DEPARTMENT'S Standard Specifications for Road and Bridge Construction and DEPARTMENT Design Standards and Manual of Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the DEPARTMENT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the DEPARTMENT Plans Preparation Manual ("PPM") Manual for Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (the "Florida Green Book") and the DEPARTMENT Traffic Engineering Manual. The PARTICIPANT will be required to submit any construction plans required by the DEPARTMENT for review and approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the PARTICIPANT shall be required to notify the DEPARTMENT of the changes and receive approval from the DEPARTMENT prior to the changes being constructed. The PARTICIPANT shall maintain the area of the project at all times and coordinate any work needs of the DEPARTMENT during construction of the project.
2. The PARTICIPANT shall notify the DEPARTMENT a minimum of 48 hours before beginning construction within DEPARTMENT right of way. The PARTICIPANT shall notify the DEPARTMENT should construction be suspended for more than 5 working days. The DEPARTMENT contact person for construction is Vikrant Srivastava, located at 5548 N.W. 9th Avenue, Fort Lauderdale, Florida 33309, Telephone number (954)958-7657, Email address Vikrant.srivastava@dot.state.fl.us.
3. The PARTICIPANT shall be responsible for monitoring construction operations and the maintenance of traffic ("MOT") throughout the course of the project in accordance with the latest edition of the DEPARTMENT Standard Specifications, section 102. The PARTICIPANT is responsible for the development of a MOT plan and making any changes to that plan as necessary. The MOT plan shall be in accordance with the latest version of the DEPARTMENT Design Standards, Index 600 series. Any MOT plan developed by the PARTICIPANT that deviates from the DEPARTMENT Design Standards must be signed and sealed by a professional engineer. MOT plans will require approval by the DEPARTMENT prior to implementation.
4. The PARTICIPANT shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations be accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.
5. The PARTICIPANT will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.
6. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this Agreement shall become the property of the DEPARTMENT.

Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the PARTICIPANT, except as may otherwise be provided in separate agreements. The PARTICIPANT shall not acquire any right, title, interest or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the PARTICIPANT's use, occupancy or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to chapter 163, Florida Statutes.

7. The PARTICIPANT shall perform all required testing associated with the design and construction of the project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.
8. The PARTICIPANT shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection PARTICIPANT, the Army Corps of Engineers, the United States Coast Guard and local governmental entities.
9. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the PARTICIPANT. The PARTICIPANT shall bear all construction delay costs incurred by the DEPARTMENT.
10. The PARTICIPANT shall be responsible to maintain and restore all features that might require relocation within the DEPARTMENT right of way.
11. The PARTICIPANT will be solely responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.
12. The PARTICIPANT will be required to maintain the Project until final acceptance by the DEPARTMENT. The acceptance procedure will include a final "walk-through" by PARTICIPANT and DEPARTMENT personnel. Upon completion of construction, the PARTICIPANT will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance to the plans. Submittal of the final as-built plans shall include one complete set of the signed and sealed plans on 11" X 17" plan sheets and an electronic copy prepared in Portable Document Format (PDF). Prior to the termination of this Agreement, the PARTICIPANT shall remove its presence, including, but not limited to, all of the PARTICIPANT's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.

13. If the DEPARTMENT determines that the Project is not completed in accordance with the provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the PARTICIPANT. The PARTICIPANT shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the PARTICIPANT and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the PARTICIPANT fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the PARTICIPANT with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) correct the deficiency(ies) at the PARTICIPANT 's sole cost and expense, without DEPARTMENT liability to the PARTICIPANT for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the PARTICIPANT with an invoice for the costs incurred by the DEPARTMENT and the PARTICIPANT shall pay the invoice within thirty (30) days of the date of the invoice.
14. The PARTICIPANT shall implement best management practices for erosion and pollution control to prevent violation of state water quality standards. The PARTICIPANT shall be responsible for the correction of any erosion, shoaling, or water quality problems that result from the construction of the Project.
15. Portable Traffic Monitoring Site (PTMS) or a Telemetry Traffic Monitoring Site (TTMS) may exist within the vicinity of your proposed work. It is the responsibility of the PARTICIPANT to locate and avoid damage to these sites. If a PTMS or TTMS is encountered during construction, the Planning and Environmental Management Office (PL&EM) must be contacted immediately at 954-777-4601.
16. During construction, highest priority must be given to pedestrian safety. If permission is granted to temporarily close a sidewalk, it should be done with the express condition that an alternate route will be provided, and shall continuously maintain pedestrian features to meet Americans Disability Act (ADA) standards.
17. Restricted hours of operation will be from 9:00am to 3:30 pm, (Monday-Friday), unless otherwise approved by the Operations Engineer, or designee.
18. Lane closures on the state road system must be coordinated with the Public Information Office at least two weeks prior to the closure. The contact information for the DEPARTMENT's Public Information Office is:

Barbara Kelleher  
Florida Department of Transportation Public Information Office  
3400 West Commercial Blvd.  
Fort Lauderdale, Florida 33309  
954-777-4090

**EXHIBIT D**  
**DELIVERABLES**

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

***PLEASE SEE ATTACHED***



**EXHIBIT E**

**LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT**

**PLEASE SEE ATTACHED**

SECTION No.(s): 860500  
S.R. No.(s): A1A  
FM No: 435710-1-78-01  
COUNTY: BROWARD COUNTY

**DISTRICT FOUR (4) AMENDMENT NUMBER EIGHT (8) TO STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION LANDSCAPE INCLUSIVE  
MEMORANDUM OF AGREEMENT**

**THIS AMENDMENT** Number Eight (8) 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.

**W I T N E S S E T H**

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

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

**WHEREAS**, the AGENCY by Resolution No. \_\_\_\_\_ dated \_\_\_\_\_, attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorized its officers to do so; and,

**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 13 of the Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A dated January 31, 2008, the DEPARTMENT will allow the AGENCY to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road A1A from North Atlantic Boulevard (M.P. 4.456) to State Road 816 (Oakland Park Boulevard) (M.P. 5.382) in accordance with the plans attached as **Exhibit "B"**.
2. The AGENCY shall agree to maintain the additional landscape improvements in the Agreement described above according the **Exhibit "C"** Maintenance Plan, attached to this Amendment.
3. The DEPARTMENT intends to enter into a separate contract with the AGENCY to have installed said landscape improvements for an approximate amount as indicated in **Exhibit "D"** not to exceed **\$239,096.00**.





By: \_\_\_\_\_  
Director of Transportation Development

Legal Review Date

Office of the General Counsel

**SECTION No.(s):** 860500  
**S.R. No.(s):** A1A  
**FM No:** 435710-1-78-01  
**COUNTY:** BROWARD COUNTY

## **EXHIBIT A**

### **LANDSCAPE IMPROVEMENTS PROJECT LIMITS MAINTENANCE BOUNDARIES LIMITS AND LOCATION MAP**

- I. LANDSCAPE PROJECT LIMITS:**  
State Road A1A from North Atlantic Boulevard (M.P. 4.456) to State Road 816 (Oakland Park Boulevard) (M.P. 5.382)
- II. INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS:**  
North Fort Lauderdale Beach Area (Section 86050000)  
M.P. 2.039 (South of Poinsettia Street) to M.P. 6.410 (Flamingo Drive)
- III. MAINTENANCE BOUNDARY LIMITS MAP:**

\*All limits of the original agreement and amendments shall apply

**Please See Attached**

**SECTION No.(s):** 860500  
**S.R. No.(s):** A1A  
**FM No:** 435710-1-78-01  
**COUNTY:** BROWARD COUNTY

**EXHIBIT B**  
**LANDSCAPE IMPROVEMENT PLANS**

The AGENCY agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Michael D. Conner RLA  
Calvin & Giordano  
Date: January 14, 2015  
  
Sheets 0-23 and 25-52

EXHIBIT C

LANDSCAPE IMPROVEMENT MAINTENANCE PLANS

EXHIBIT ONLY - NOT FOR EXECUTION

## LANDSCAPE IMPROVEMENT MAINTENANCE PLANS

## **MAINTENANCE PLAN**

### **Landscape Improvements**

**Project State Road No(s):** State Road A1A  
**Project Limits:** From North Atlantic Boulevard (M.P. 4.456) to State Road 816 (Oakland Park Boulevard) (M.P. 5.382)  
**FM No(s):** 435710-1-78-01  
**Maintaining Agency:** City of Fort Lauderdale  
**RLA of Record:** Michael D. Conner (LA0001181)  
**Date:** November 5, 2014

---

#### **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 (SPECIALTY SURFACING)**

All tree grates and specialty surfacing (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**

The only specific maintenance requirements for the planting design for this project, other than those outlined and specified in Part I, are as follows:

1. The Silver Buttonwood hedge shall be maintained at a maximum height of 48".
2. The Dwarf Fakahatchee Grass does not need to be pruned or trimmed back. It is located in areas that do not have sight distance restrictions, and therefore can be left natural.
3. Likewise, the 'Dean' Bromeliads should not be pruned or trimmed back. They are located in areas that do not have sight distance restrictions, and therefore can be left natural.
4. Both the 'Orange Crush.' Bromeliads and the 'Parsons' Juniper are located within sight distance restrictions. The 'Orange Crush.' Bromeliads shall be maintained at a maximum height of 18". If an individual plant does get too large then the whole plant shall be removed completely, not just trimmed back. The 'Parsons' Juniper shall be maintained at a maximum height of 15".
5. The 'Green Island' Ficus are located in areas that do not have sight distance restrictions, and therefore shall be maintained at a maximum height of 24".



## 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 (ADA)

<http://www.access-board.gov/guidelines-and-standards/streets-sidewalks>

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

<http://webstore.ansi.org>

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

<http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/Bureau-of-Plant-and-Apary-Inspection/Plant-Inspection#pubs>

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/15/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/15/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/15/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/15/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/2014PPM.shtm>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*

<http://www.dot.state.fl.us/specificationsoffice/Maintenance/Jul14/Files/SS5800000.doc>

<http://www.dot.state.fl.us/specificationsoffice/Implemented/Workbooks/JulWorkbook2014/Files/S5800000FA.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/MaintRatingProgram.shtm>

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)

A Guide to Roadside Vegetation Management

[http://www.dot.state.fl.us/statemaintenanceoffice/DOT%20Final%20\(3\)Turf%20Management%20Guide%20UF.pdf](http://www.dot.state.fl.us/statemaintenanceoffice/DOT%20Final%20(3)Turf%20Management%20Guide%20UF.pdf)

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/pdf/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.(s): 860500  
S.R. No.(s): A1A  
FM No: 435710-1-78-01  
COUNTY: BROWARD COUNTY

**EXHIBIT D**

**APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS UNDER SEPARATE  
PROPOSED JPA AGREEMENT**

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

**\$239,096.00**

**COST ESTIMATE:**  
**S.R. A1A - Florida Highway Beautification Council Grant**  
**FPID # 435710-1-78-01**  
**Date: January 14, 2015**

<u>Item</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1. Coconut Palm, 'Green Malayan'	20' - 24' o.a. ht., 12' - 16' c.t.	36	\$1,200	\$43,200
2. Solitaire Palm, Single	18' - 20' o.a. ht., 12' - 14' c.t.	13	\$400	\$5,200
3. Montgomery Palm, Single	18' - 20' o.a. ht., 12' - 14' c.t.	10	\$450	\$4,500
4. 'Dean' Bromeliad	3 gal., 18" ht.x 15" spr., 24" o.c.	986	\$18	\$17,748
5. 'Orange Crush' Bromeliad	3 gal., 15" ht.x 15" spr., 24" o.c.	972	\$15	\$14,580
6. Silver Buttonwood	3 gal., 24" ht.x 18" spr., 18" o.c.	1051	\$8	\$8,408
7. 'Green Island' Ficus	3 gal., 15" ht.x 15" spr., 24" o.c.	1730	\$8	\$13,840
8. Dwarf Fakahatchee Grass	3 gal., 24" ht.x 24" spr., 42" o.c.	129	\$8	\$1,032
9. Site Mobilization / General Requirements	Mobilization / General Conditions	1	\$5,000	\$5,000
10. MOT	Maintenance of Traffic	1	\$7,500	\$7,500
11. Demolition of Existing Paver Planter Areas ***	Demo & Removal of Pavers/Base (S.Y.)	417	\$25	\$10,425
12. Removal of Existing Black Olive Trees	20" - 36" d.b.h.	12	\$1,200	\$14,400
13. Removal of Existing Sabal Palms	20' - 30' o.a. ht.	58	\$150	\$8,700
14. Removal of Existing Ligustrum Trees	10' - 12' ht.	8	\$200	\$1,600
15. Removal of Existing Silver Buttonwood Trees	10" d.b.h.	2	\$250	\$500
16. Relocate Existing Chinese Fan Palm ***	18' - 20' o.a. ht., double	1	\$400	\$400
17. Relocate Existing Sabal Palms ***	20' - 30' o.a. ht.	20	\$300	\$6,000
18. Removal of Existing Grass	Spray and Remove Existing Sod (S.Y.)	2570	\$3	\$7,710
19. Bed Preparation / Planting Soil	Spread 80 /20 Mix - 2" Depth (C.Y.)	275	\$30	\$8,250
20. Sprinkler Head Replacements	Replace Existing Sprinkler Heads	315	\$25	\$7,875
21. Irrigation Repairs / Replace Broken Piping	As Needed	1	\$5,000	\$5,000
22. 1 Year Warranty and Maintenance of New Plants	Per FDOT Specs. / Per Month	12	\$1,000	\$12,000
23 Relocate "Next Signal Ahead" Sign	Move exist. sign 70' in same median	1	\$500	\$500
24. Parsons' Juniper	3 gal., 12" ht. x 12" spr., 18" o.c.	4341	\$8	\$34,728
			<b>Total Cost</b>	<b>\$239,096</b>

\*\*\* Denotes an item of work that the City of Fort Lauderdale may perform outside of the scope of this project.