SECTION NO: 86010, 86050, 81180, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

DISTRICT FOUR (4)
MAINTENANCE MEMORANDUM OF AGREEMENT
INCLUSIVE AGREEMENT FOR SR A1A

THIS AGREEMENT, made and entered into this 31st day of January 2008 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 political subdivision of the State of Florida, existing under the Laws of Florida, hereinafter called the **AGENCY**.

W I T N E S S E T H:

WHEREAS, the **DEPARTMENT** has jurisdiction over **State Roads A1A** as part of the State Highway System as described in Exhibit A; and

WHEREAS, the **DEPARTMENT** seeks to install and have maintained by the **AGENCY** certain landscape improvements within the right-of-way of State Road A1A as described within Exhibit B; and

WHEREAS, the **AGENCY** seeks to install and maintain certain landscape improvements within the right-of-way of State Road A1A as described within Exhibit B; and

WHEREAS, the **AGENCY** and the **DEPARTMENT** have entered into previous agreements for the **AGENCY** to maintain landscape and hardscape on **DEPARTMENT** right-of-way; and

WHEREAS, as part of the continual updating of the State of Florida Highway System, the **DEPARTMENT**, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain the highway facilities as SR A1A described further in Exhibit A attached hereto and incorporated by reference herein, within the corporate limits (or unincorporated if County) of the **AGENCY**; and

WHEREAS, the **DEPARTMENT**, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain the highway facilities as described in Exhibit A attached hereto and incorporated by reference herein, within the corporate limits of the **AGENCY**; and

WHEREAS, the **AGENCY** is of the opinion that highway facilities within the **AGENCY'S** limits that contain landscaped medians and areas outside the travel way to the right of way line, including any hardscape, shall be maintained by periodic pruning, mowing, fertilizing, weeding, litter pick-up, necessary replanting and repair, and inside travel way as described in Exhibit C; and

WHEREAS, it is the intent of the **AGENCY** and the **DEPARTMENT** that the **AGENCY** shall maintain all right of way outside the travel way and improvements made to the travel way at the request of the **AGENCY** as described in Exhibit D; and

WHEREAS, the **AGENCY** and **DEPARTMENT** intend for this agreement to replace and supersede the agreements described in Exhibit E only to the extent where the agreement addresses State Road A1A, and except as otherwise provided in this Agreement; and

WHEREAS, the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

WHEREAS, the **AGENCY** by Resolution No. 07-252 dated Dec. 4, 2007 attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so;

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

1. The **DEPARTMENT** has installed, or will install, landscape, irrigation and/or hardscape on the highway facilities as specified in plans and specifications hereinafter referred to as the Projects and incorporated herein as referenced as SR A1A in Exhibit B, E & F. Hardscape shall mean tree grates; any non-standard lighting; any non-standard roadway, sidewalk, median or crosswalk surfacing (such as, but not limited to, interlocking pavers, stamped asphalt or stamped concrete).

2. The **AGENCY** has installed, or will install, landscape, irrigation and/or hardscape on the highway facilities as specified in plans and specifications hereinafter referred to as the Projects and incorporated herein as Exhibit B and Exhibit G. Hardscape shall mean tree grates; any non-standard lighting; any non-standard roadway, sidewalk, median or crosswalk surfacing (such as, but not limited to, interlocking pavers, stamped asphalt or stamped concrete).

   When the **AGENCY** is installing or will install the project, they shall comply with the following criteria:

   (a) All plant materials shall be installed and maintained in strict accordance with sound nursery practice prescribed by the International Society of Arboriculture (ISA); all plant materials

installed shall be Florida #1 or better according to the most current edition of Florida Department of Agriculture, *Florida Grades and Standards for Nursery Stock;* and all trees shall meet Florida Power & Light, *Right Tree, Right Place, South Florida.*

(b) Trees and palms within the right-of-way shall be pruned to discourage encroachment to roadways, clear zones and sidewalks. Definition of these criteria is included in the most current editions of FDOT standards for design, construction, maintenance, and utility operations on the state highway system.

(c) Tree and palm pruning shall be supervised by properly trained personnel trained in tree pruning techniques and shall meet the most current standards set forth by the International Society of Arboriculture (ISA) and the American National Standard Institute (ANSI) Part A-300 and be licensed by Broward County Environment Protection Department to perform this work.

(d) Irrigation installation and maintenance activities shall conform to the standards set forth by the Florida Irrigation Society (FIS) latest edition of FIS, *Standards and Specifications for Turf and Landscape Irrigation Systems.*

(e) When the **AGENCY** is installing the Project and irrigation is to be installed, the **DEPARTMENT** shall be provided accurate as-built plans of the system so if in the future there is a need for the **DEPARTMENT** to perform work in the area, the system can be accommodated as much as possible.

(f) If it becomes necessary to provide utilities (water/electricity) to the median or side areas, it shall be the **AGENCY'S** responsibility to obtain a permit for such work through the local maintenance office and the **AGENCY** shall be responsible for all associated fees for the installation and maintenance of these utilities.

(g) All hardscape shall be installed and maintained in strict accordance with the most current edition of the *Florida Accessibility Code for Building Construction* and the *Interlocking Concrete Pavement institute (ICPI).*

(h) All activities, including project installation and future maintenance operations performed on State highway right-of-way, must be in conformity with the most current edition of the *Manual on Uniform Traffic Control* (MUTCD) and *FDOT Design Standards*, Index 600 Series, *Traffic Control through Work Zones.*

(i) The most current edition of *FDOT Design Standards,* Index 546 must be adhered to.

(j) Horizontal Clearance and Clear Zone as specified in the *FDOT Plans Preparation Manual,* Volume 1, Chapters 2 and 4 and *FDOT Design Standards*, Index 700 must be adhered to.

(k) Landscape shall not obstruct roadside signs or permitted outdoor advertising signs, (see Rule Chapter 14-40, Part 1 and Part III, Florida Administrative Code [F.A.C.]).

(l) The **AGENCY** shall provide the local FDOT Operation Center, located at 5548 N.W. 9th Avenue, Fort Lauderdale, FL 33309 (954) 776-4300, a twenty-four (24) hour telephone number and the name of a responsible person that the **DEPARTMENT** may contact. The **AGENCY** shall notify the local maintenance office forty-eight (48) hours prior to the start of the project.

(m) If there is a need to restrict the normal flow of traffic, it shall be done on off-peak hours (9 AM to 3 PM), and the party performing such work shall give 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.

(n) The **AGENCY** shall be responsible to clear all utilities within the project limits.

(o) The **AGENCY** shall follow the minimum level of maintenance guidelines as set forth in FDOT'S Rule Chapter 14-40 Highway Beautification and Landscape Management, in the FDOT *Guide to Roadside Mowing and Maintenance Management System,* and Exhibit C Maintenance Plan for maintenance activities for landscape projects.

3. The **AGENCY** agrees to maintain the *landscape improvements,* as existing and the ones to be installed, within the description of Exhibit A as defined as: plantings, irrigation, and / or hardscape within the medians and areas outside the travel way to the right of way line and within the travelway as described in Exhibit C. The non-standard improvements to the travelway shall be maintained by the **AGENCY** regardless if the said improvement was made by the **DEPARTMENT**, the **AGENCY,** or others by periodic pruning, mowing, fertilizing, weeding, curb and sidewalk edging, litter pickup, necessary replanting, and / or repair following the **DEPARTMENT'S** landscape safety and plant care guidelines and Exhibit C, the Maintenance Plan. The **AGENCY'S** responsibility for maintenance shall include all landscaped / turfed and hardscape areas within the median and areas within the travel way to the right of way line. Coconut Palms must be kept fruit free year round. Hardscape shall mean tree grates; any non-standard lighting; any non-standard roadway, sidewalk, median or crosswalk surfacing (such as, but not limited to, interlocking pavers, stamped asphalt or stamped concrete). It shall be the responsibility of the **AGENCY** to restore an unacceptable ride condition of the roadway caused by the differential characteristics of non-standard surfacing and/or the header curb on Department of Transportation right-of-way within the limits of this Agreement. Additionally the **AGENCY** shall continue to put plywood across the openings of the decorative free standing wall whenever a storm approaches (Exhibit C).

Such maintenance to be provided by the **AGENCY** is specifically set out as follows: to maintain, which means the proper watering and fertilization of all plants and keeping them as free as practicable from disease and harmful insects; to properly mulching the plant beds; to keeping the premises free of weeds; to mowing the grass to the proper height; to properly pruning all plants which at a minimum includes: (1) removing dead or diseased parts of plants, (2) pruning such parts thereof to provide clear visibility to signage or for those using the roadway and or sidewalk; (3) preventing any other potential roadway hazards. Plants shall be those items which would be scientifically classified as plants and include but are not limited to trees, shrubs, groundcover and sod. To maintain also means removing or replacing dead or diseased plants in their entirety, or removing or replacing those that fall below original project standards. All plants removed for whatever reason shall be replaced by plants of the same size and grade as specified in the original plans and specifications. To maintain also means keeping the header curbs that contain the surfacing treatment in optimum condition. To maintain also means keeping the hardscape areas free from weeds and repairing said hardscape as is necessary to prevent a safety hazard. To maintain also means keeping litter removed from the median and areas outside the travel way to the right of way line.

If it becomes necessary to provide utilities (water/electricity) to the median or side areas for these improvements, all costs associated with accent lighting and irrigation installation, maintenance, fees and connections as well as on-going cost of the utility are the maintaining **AGENCY'S** responsibility. The **AGENCY** shall become responsible for the utilities upon final acceptance of the construction project by the **DEPARTMENT** (including any establishment or warranty period). The **AGENCY** shall be responsible for all fees and on-going costs during the establishment and warranty period and thereafter.

The above named functions to be performed by the **AGENCY** may be subject to periodic inspections by the **DEPARTMENT** at the discretion of the **DEPARTMENT**. Such inspection findings will be shared with the **AGENCY** and shall be the basis of all decisions regarding, repayment, reworking or agreement termination. The **AGENCY** shall not change or deviate from said plans without written approval of the **DEPARTMENT**.

4. This Agreement shall replace and supersede any and all preceding agreements only to the extent where the Agreement addresses State Road A1A, as listed in Exhibit E and except lease agreements dated April 25, 2005 and April 12, 2002 between the **DEPARTMENT** and the City of Fort Lauderdale. The landscape improvement plans attached to the referenced agreements shall by reference become a part of this agreement as if they were attached hereto. The **AGENCY** shall have the same duty to maintain those landscape improvements under this Agreement as the Agency did under the previous agreements, and as more specifically detailed in this Agreement.

Although the lease agreements dated April 25, 2005 and April 12, 2002 are still in effect, the **AGENCY** shall have the further responsibility to maintain that area described in the lease in accordance with this agreement in addition to the lease requirements.

If either lease expires or is not renewed the area of the lease shall be maintained in accordance with this Agreement.

The **AGENCY** agrees to reimburse the **DEPARTMENT** all monies expended for the Project, should the landscape improvement areas fail to be maintained in accordance with the terms and conditions of the Agreement.

5. If at any time after the **AGENCY** has assumed the landscape improvement areas and/or maintenance responsibility for the above-mentioned, it shall come to the attention of the **DEPARTMENT'S** District Secretary that the limits or a part thereof is not properly maintained pursuant to the terms of this Agreement, said District Secretary may at his/her option issue a written notice that a deficiency or deficiencies exist(s), by sending a certified letter to the **AGENCY,** to place said **AGENCY** on notice thereof. Thereafter the **AGENCY** shall have a period of thirty (30) calendar days within which to correct the cited deficiencies. If said deficiencies are not corrected within this time period, the **DEPARTMENT** may at its option, proceed as follows:

   (a) Maintain the landscape improvements, or a part thereof, with **DEPARTMENT** or contractor's personnel and invoice the **AGENCY** for expenses incurred, or

   (b) Terminate the Agreement in accordance with Paragraph 9 of this Agreement and remove, by **DEPARTMENT** or contractor's personnel, all of the landscape improvements installed under this Agreement or any preceding agreements except as to trees and palms and charge the **AGENCY** the reasonable cost of such removal.

6. It is understood between the parties hereto that the landscape improvements covered by this Agreement may be removed, relocated or adjusted at any time in the future as determined to be necessary by the **DEPARTMENT** in order that the adjacent state road be widened, altered or otherwise changed to meet with future criteria or planning of the **DEPARTMENT**. The **AGENCY** shall be given sixty (60) calendar days notice to remove said landscape improvements and existing landscape improvements after which time the **DEPARTMENT** may remove same. All permits (including tree permits), fees, and any mitigation associated with the removal, relocation or adjustments of these improvements are the maintaining **AGENCY'S** responsibility.

7. The **AGENCY** at its own expense and by FDOT permit shall install the landscape improvements described in Exhibit F. The **DEPARTMENT** shall be invited to assist the **AGENCY** in final inspection before acceptance of the job by the **AGENCY**. The

DEPARTMENT shall approve the job provided it complies with the permit.

8. The **DEPARTMENT** agrees to enter into a contract for the installation of landscape Project for an amount not to exceed $ 34,266.48 as defined in Exhibit H.

   The **DEPARTMENT'S** participation in the Project cost, as described in Exhibit H is limited to only those items which are directly related to this Project. The **AGENCY** shall be invited to assist the **DEPARTMENT** in final inspection at the end of the contractor's 90 day warranty and establishment period.

9. The **AGENCY** agrees to reimburse the **DEPARTMENT** all monies expended by the **DEPARTMENT** for the projects listed in Exhibit B and Exhibit F in the amounts listed in those agreements should the landscape improvement areas fail to be maintained in accordance with the terms and conditions of this Agreement in the amounts listed in those agreements.

10. This Agreement may be terminated under any one (1) of the following conditions:

   (a) By the **DEPARTMENT**, if the **AGENCY** fails to perform its duties under Paragraph 3, following ten (10) days written notice.

   (b) By the **DEPARTMENT**, for refusal by the **AGENCY** to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the **AGENCY** in conjunction with this Agreement.

11. The term of this Agreement commences upon execution.

12. With respect to any of the **AGENCY'S** agents, consultants, subconsultants, contractors, sub-contractors, such party in any contract for this project shall agree to indemnify, defend, save and hold harmless the **DEPARTMENT** from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission of commission of such agents, consultants, subconsultants, contractors and/or subcontractors. The **AGENCY** shall provide to the **DEPARTMENT** written evidence of the foregoing upon the request of the **DEPARTMENT.** It is specifically understood and agreed that the indemnification clause does not cover or indemnify the **DEPARTMENT** for its own negligence.

   In the event that **AGENCY** contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:

   (a) **AGENCY'S** contractor shall at all times during the term of this Agreement keep and

maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of $1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of $500,000.00 per Liability. Coverage must be afforded on a form no more restrictive that the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name **DEPARTMENT** as an additional insured.

(b) **AGENCY'S** contractor shall furnish **AGENCY** with Certificates of Insurance of Endorsements evidencing the insurance coverage specified herein prior to the beginning performance of work under this Agreement.

(c) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of **AGENCY'S** contractor is completed. All policies must be endorsed to provide **DEPARTMENT** with at least thirty (30) days notice of cancellation and or/or restriction. If any of the insurance coverage will expire prior to the completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.

13. The **AGENCY** may construct additional landscape improvements within the limits of the rights-of-ways identified as a result of this document, subject to the following conditions:

(a) Plans for any new landscape improvements shall be subject to approval by the **DEPARTMENT'S** District Landscape Architect. The **AGENCY** shall not change or deviate from said plans without written approval by the **DEPARTMENT**.

(b) The **AGENCY** shall procure a permit from the **DEPARTMENT**

(c) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and road design standards;

(d) The **AGENCY** agrees to comply with the requirements of this Agreement with regard to any additional landscape improvements installed at no cost to the **DEPARTMENT**;

14. In the event the **DEPARTMENT** decides to construct additional landscape improvements or modify these improvements within the limits of the rights of way herein previously identified, the **DEPARTMENT** and the **AGENCY** shall agree in writing and require signature from the responsible **AGENCY** (*Chairperson/Mayor/City Manager/City Engineer/Director of Public Works/Director of Parks and Recreation approval signature*) to the new landscape improvements and maintenance plan thereof. If the **AGENCY** and the **DEPARTMENT** are unable to come to an agreement, the **DEPARTMENT**, in its sole

discretion, may install sod and the agency shall be required, pursuant to this Agreement, to continue maintaining said landscape improvements including existing vegetation.

15. This writing embodies the entire Agreement and understanding between the parties hereto and there are no other agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded either wholly or partially hereby except as specifically stated herein, except lease agreements dated April 25, 2005 and April 12, 2002 between the **DEPARTMENT** and the City of Fort Lauderdale.

16. 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 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 1 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 1 year.

17. The **DEPARTMENT'S** District Secretary shall decide all questions, difficulties and disputes of any nature whatsoever that may arise under or by reason of this Agreement, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof; and his/her decision upon all claims, questions and disputes shall be final and conclusive upon the parties hereto.

18. This Agreement may not be assigned or transferred by the **AGENCY** in whole or part without the consent of the **DEPARTMENT.**

19. This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail.

20. This Agreement constitutes the complete and final expression of parties with respect to the subject matter hereof and supersedes all prior agreements, understandings, or negotiations with respect thereto, with the exception of the landscape improvements plans incorporated by reference in Exhibit B.

21. Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses:

If to the Department	If to the Agency:
State of Florida Department of Transportation	City of Fort Lauderdale
3400 West Commercial Blvd.	1350 W. Broward Blvd.
Fort Lauderdale, Florida 33309-3421	Fort Lauderdale, Florida 33312
Attention: Elisabeth A. Hassett, R.L.A.	Attention: Philip Thornburg
FDOT District IV Landscape Architect	Director of Parks & Recreation

Exhibit A: City of Fort Lauderdale SR A1A City Limits & Agreement Status Graphic
Exhibit B: Projects Pending Agreements
Exhibit C: Maintenance Plan
Exhibit D Non Standard Surfaces on DOT Travelway
Exhibit E: Existing Project Agreements and Lease Agreement Descriptions
Exhibit F: Pending Department Project's Landscape Improvement Plans
Exhibit G: Pending Agency Project's Landscape Improvement Plans
Exhibit H: Pending Department Project's Cost Estimate

IN WITNESSES WHEREOF, the parties hereto have executed this Agreement effective the day and year first above written.

WITNESSES:

Safeea B. Ali

Safeea B. Ali

Print Name

A. Papoundrodal

Katerina Skoundridakis

Print Name

(SEAL)

CITY OF FORT LAUDERDALE,
a municipal corporation

By _____
JIM NAUGLE, Mayor

By Stephen Gretsas
for GEORGE GRETSAS, City Manager

ATTEST:

Jonda K. Joseph
JONDA K. JOSEPH, City Clerk

Approved as to form:

Harry A. Stewart
HARRY A. STEWART, City Attorney
Assistant

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: Stacy Miller 1/31/08
Interim Transportation Development Director Date

Attest: Nancy Baker (SEAL)
Executive Secretary

Approval as to Form

Nancy Radcliffe 1/31/2008
District General Counsel Date

SECTION NO: 86010, 81180
86050, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT A

CITY OF FORT LAUDERDALE
SR A1A WITHIN CITY LIMITS

All state right of way on SR A1A within the limits of the City of Fort Lauderdale which current city limits are from:

SR A-1-A: From State Road 5 (US 1) (M.P. 0.000) (Section 86180000) (US 1) to Flamingo Avenue (M.P. 6.410) (Section 86050000)

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

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

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

EXHIBIT A

CITY OF FORT LAUDERDALE CURRENT AGREEMENT STATUS FOR STATE ROAD A1A:

Graphic of areas currently maintained by the Agency pursuant to this Maintenance Memorandum of Agreement (MOA) (areas in green and orange), areas pending to be landscaped (in blue), areas not currently being maintained by the Agency (in yellow) and the Agency's existing lease agreements (in purple) shall be maintained by the Agency as provided for in this agreement.

See Attached



CITY OF FT. LAUDERDALE MOA = MOA OVERLAP = PENDING = CITY LIMITS = GAP = LEASE AGR =

EXHIBIT A

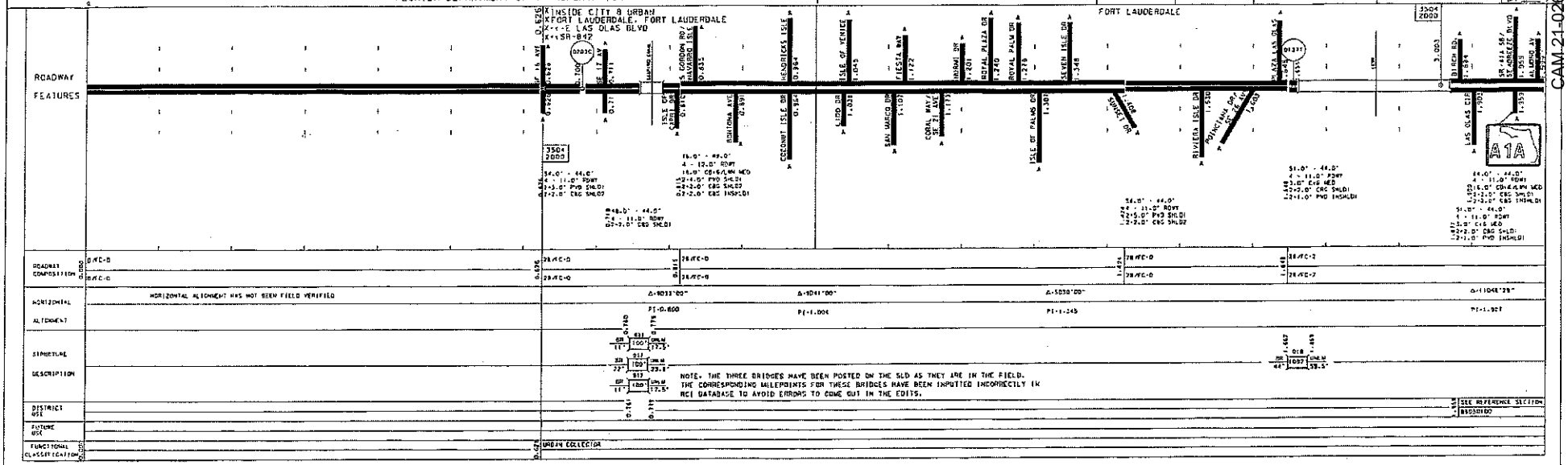
CITY OF FORT LAUDERDALE STRAIGHTLINE DIAGRAM FOR STATE ROAD A1A

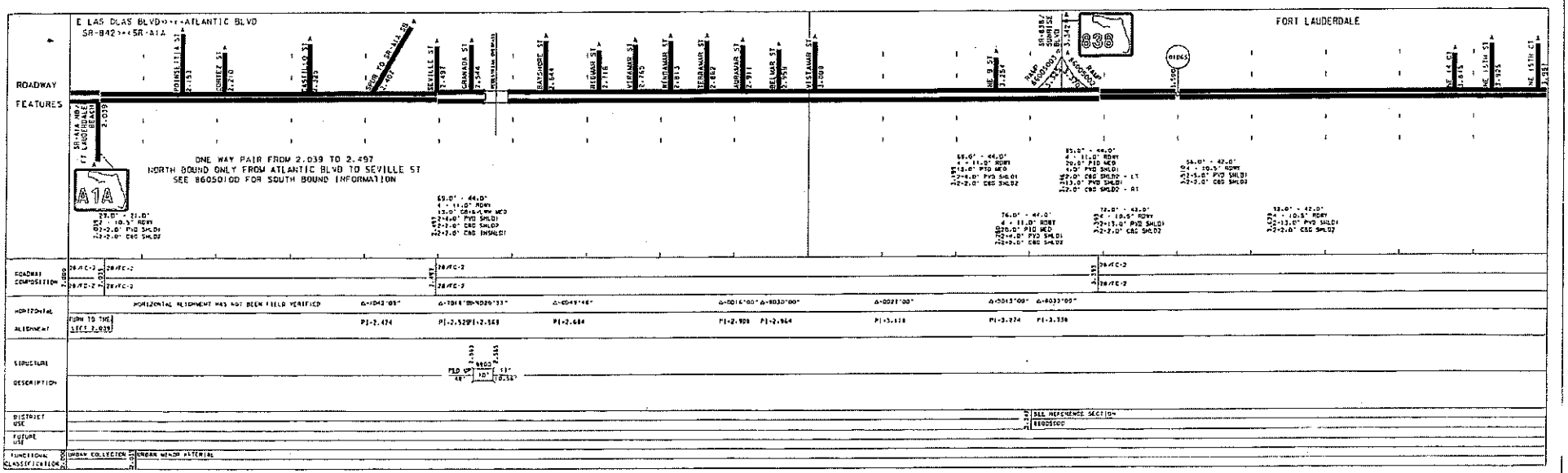
See Attached

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

FLORIDA DEPARTMENT OF TRANSPORTATION

INT. OR US ROUTE NO.	STATE ROAD NO.	COUNTY	SECTION	SHEET NO.
	SR 842	BROWARD	86050000	1





STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

FLORIDA DEPARTMENT OF TRANSPORTATION

HISTORY		S.T.E. INVENTORY		REVISED	
DATE	10/21/94	3/1/2005	10/27/04	10/27/04	
BY	CODY	MARLIN ENG.	T.H. ACEMAN	MARLIN ENG.	

INT. OR US ROUTE NO	STATE ROAD NO.	COUNTY	SECTION	SHEET NO.	OF
	SR A1A	BROWARD	86050000	2	4

ATLANTIC BLVD ⟷ OCEAN BLVD

ROADWAY FEATURES

NE 16TH ST 4.032 | NE 16 CT 4.095 | NE 16TH PL 4.150 | NE 17TH ST 4.206 | NE 17TH CT 4.261 | NE 18TH ST 4.316 | NE 21 ST 4.369 | NE 23 ST 4.422 | NE 25 ST 4.824 | NE 29 ST 4.969 | NE 30 ST 5.229 | SR-816/ OAKLAND PARK BLVD 5.381 | NE 32 ST 5.436 | NE 33 ST 5.491 | NE 34 ST 5.547 | NE 35 ST 5.733 | GALT OCEAN MILE 5.939 | END AREA 5.960

SR 816

NE 20 AVE SPUR 4.447

NE 24 AVE SPUR 5.157

ROADWAY COMPOSITION: 28/FC-2 | 28/FC-2

HORIZONTAL ALIGNMENT: HORIZONTAL ALIGNMENT HAS NOT BEEN FIELD VERIFIED | Δ=130°37'20"RT 1051'55" | PI=4,385 PI=4,429 | Δ=60°31'40" | PI=4,938 | Δ=30°30'40" | PI=5,379

STRUCTURE DESCRIPTION

DISTRICT USE: SEE REFERENCE SECTION 86050000

FUTURE USE

FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL

ROADWAY FEATURES

INSIDE CITY & URBAN KLAUDERDALE-BY-SEA, FORT LAUDERDALE

NE 41 ST 6.188 | FALLS OCEAN DR 6.241 | FLAGLER AVE 6.410 | CORNELL DR 6.441 | CORRINGTON RD 6.461 | IMPERIAL LANE 6.517 | PALM AVE 6.527 | MORGAN WILLIAMS AVE 6.545 | HIBISCUS AVE 6.657 | DATURA AVE 6.773 | MALDEN RD 6.820 | NO JANE 6.894 | SR-870/ COMMERCIAL BLVD 6.931 | NO JANE 6.956

SR 870

INSIDE CITY & URBAN KSEA RANCH LAKES, FORT LAUDERDALE

WASHINGTONIA AVE 7.274 | PINE AVE 7.478 | SEA RANCH CENTRE 7.484 | GALLERIA RD 7.739 | SEA RANCH LAKES 7.798

INSIDE URBAN, OUTSIDE CITY FORT LAUDERDALE 7.903

EL PRADO AVE 7.107

3525 2002 | 3525 2002 | 922814 2004

ROADWAY COMPOSITION: 28/FC-2 | 28/FC-6 | 28/FC-6 | 28/FC-2 | 28/FC-6

HORIZONTAL ALIGNMENT: Δ=130°37'18" PI=6,051 | Δ=1600'33" PI=6,331 | HORIZONTAL ALIGNMENT HAS NOT BEEN FIELD VERIFIED

STRUCTURE DESCRIPTION

DISTRICT USE

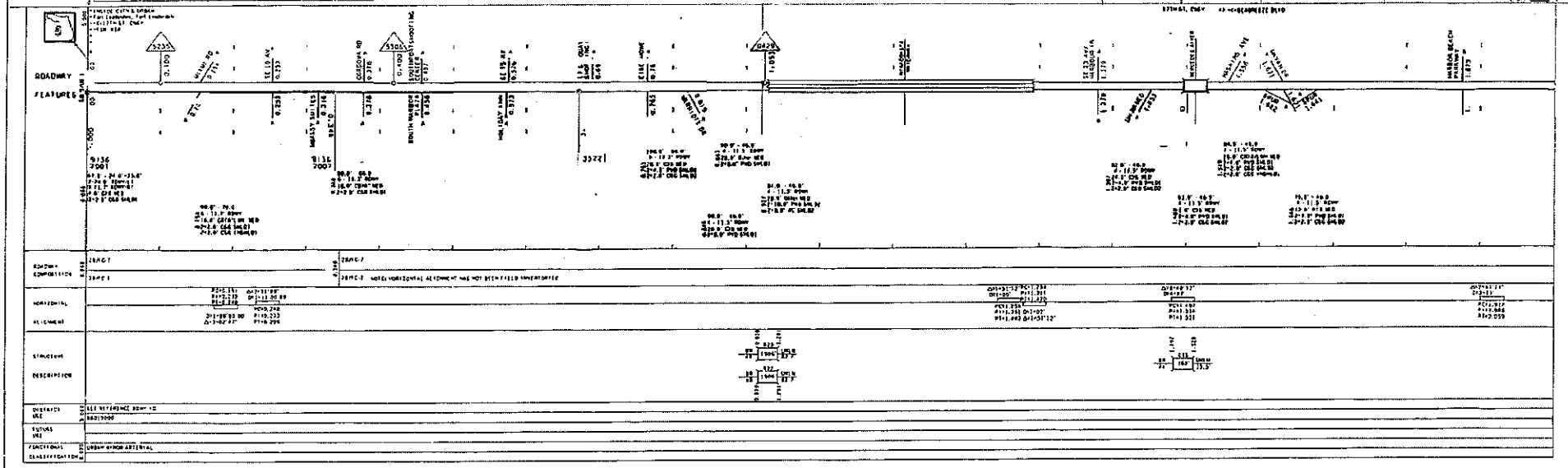
FUTURE USE

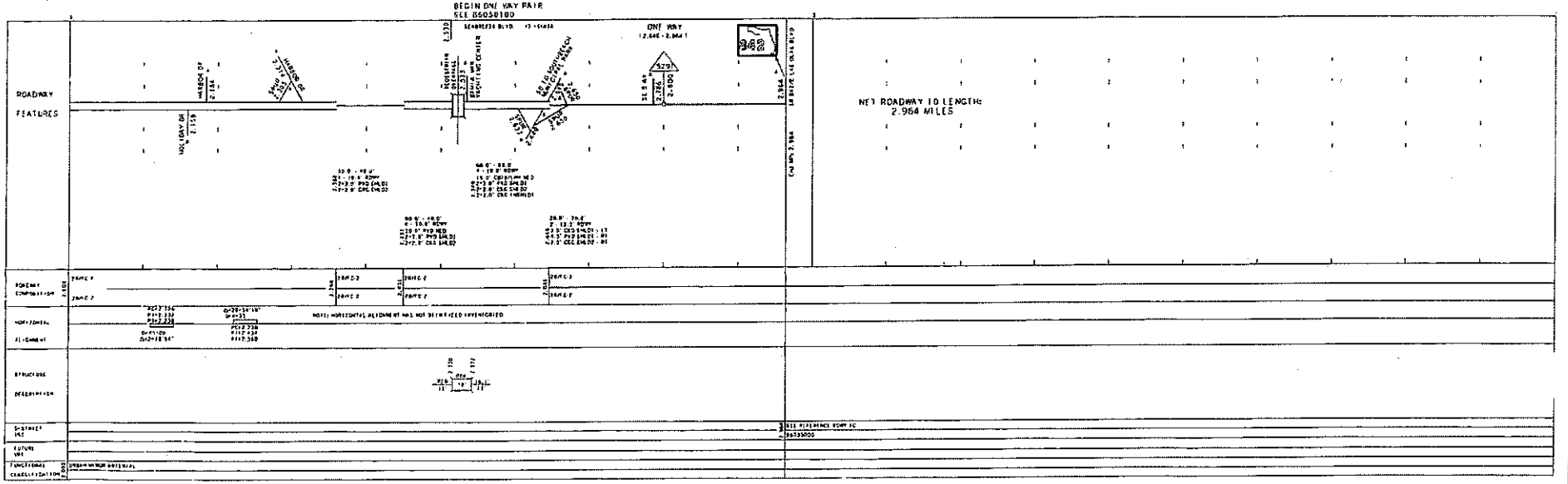
FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL

STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO.	COUNTY	ROADWAY ID	SHEET
A1A	BROWARD	86180000	1 of 1



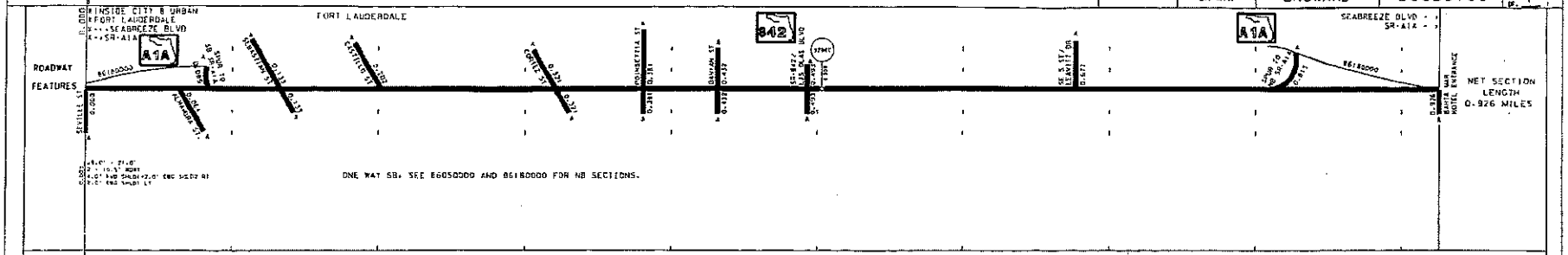


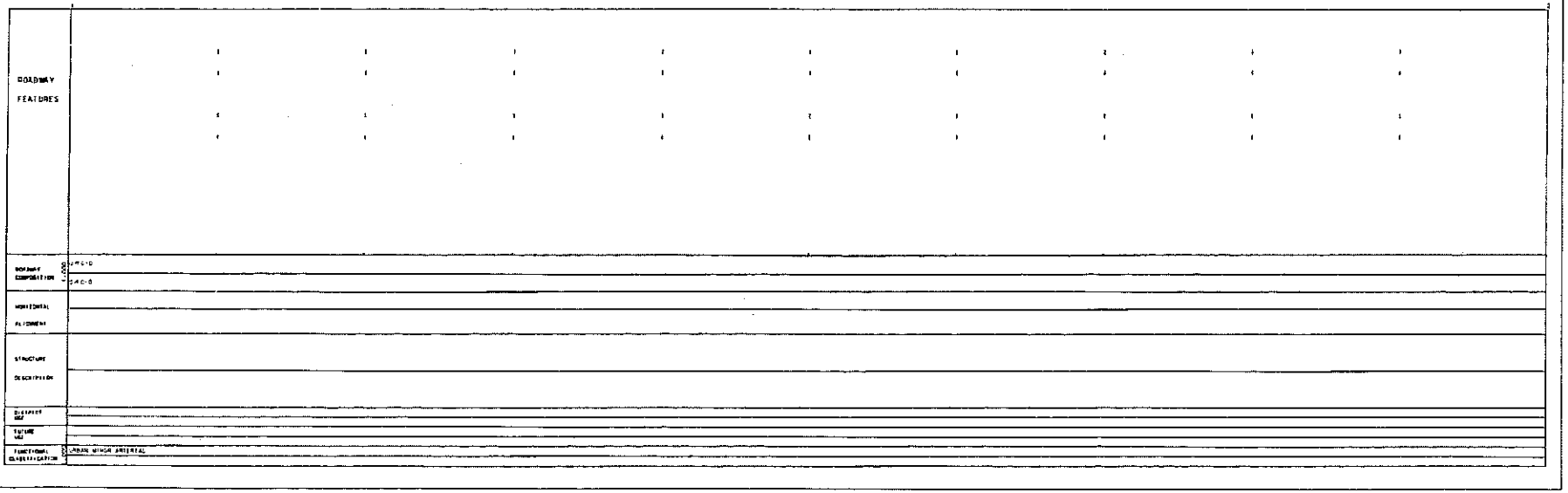
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STRAIGHT LINE DIAGRAM OF ROAD INVENTORY

FLORIDA DEPARTMENT OF TRANSPORTATION

INT. OR US ROUTE NO.	STATE ROAD NO.	COUNTY	SECTION
	SR-A1A	BROWARD	86050100





SECTION NO: 86010, 81180, 86050, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT B

PROJECTS PENDING AGREEMENTS

Agency Installed Project:

State Road A1A from just south of the southbound A1A spur (M.P.2.964) (Section 86180000) to Sunrise Boulevard (M.P.3.342) (Section 8650000). Plan dated 6/1/07.

Department Installed Project:

State Road A1A from just south of N.E. 18th Street (M.P.4.270) to SR 816 (Oakland Park Blvd.) (M.P.5.381), (Section 86050) Plan dated 5/18/07, FM# 416872-1-58-01.

SECTION NO: 86010, 86050, 81180, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT C

MAINTENANCE PLAN

See Attached

MAINTENANCE PLAN
Landscape Improvements

Project State Road No(s): **SR A1A**
Project Limits: **From SR 5 (M.P.0.000) to Flamingo Dr. (M.P.6.410)**
Maintaining Agency: **City of Fort Lauderdale**
Date: **September 10, 2007**

I. General Maintenance Requirements and Recommendations:
The purpose of a plan for landscape and irrigation 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 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 is recommendations prepared by the Landscape Architect of Record specific to the attached approved plans.

Watering Requirements:
Watering is a critical concern regarding the maintenance of healthy plant material and 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 as well as adhere 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 should be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Establishment of an integrated plant 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, and to specific pruning heights maintaining clear visibility for motorists, and vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions and all trees and palms (with particular attention to fronds and fruit) maintained to prevent potential roadway hazards. 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 should be noted on the planting plans. (See Specific Requirements and Recommendations per Approved Landscape & Irrigation Design for these guidelines).

Staking and Guying:
All staking materials, except for replacements, are 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.

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.

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

Plant Replacement:
Plant replacement shall be the same species and specification as the approved plan. Only plants graded Florida #1 per the Florida Department of Agriculture and Consumers Services, Grades and Standards for Nursery Plants is 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 specialty pavers and tree grates 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), Section 23 14 13 Interlocking Concrete Pavers, Part 3.05. If the pavers 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, 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 latest edition of the DEPARTMENT'S *Standard Specifications for Road and Bridge Construction*, and the DEPARTMENT'S *Design Standards.*

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 replace of the sign panel, post and base.

The AGENCY will be responsible to grade and sod any disturbed areas, repair or replace damage pavement, signs, sidewalk, pull boxes, curb, gutter, and drainage structures, caused by maintenance operation to the wall.

All work performed shall be in accordance with the latest edition of the DEPARTMENT'S *Standard Specifications for Road and Bridge Construction*, and the DEPARTMENT'S *Design Standards.*

Hardscape (Decorative Free Standing Wall Maintenance):
The AGENCY agrees to continue to put plywood across the openings of the decorative free standing wall located along the east side of SR-A1A, from Sunrise Blvd to NE 18th Street whenever a storm approaches.

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.

Maintenance 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.

Website: Series 600 Traffic Control through Work Zones
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm

II. Specific Site Maintenance Requirements and Recommendations:
The Coconut Palms shall be kept fruit free year round to prevent potential safety hazards. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) of the medians are to be maintained at a height in compliance with FDOT Design Standards Index 546, Page 6 of 6, Window Detail.

REFERENCES

American National Standard (ANSI) A300, *Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)* available for purchase @ http://webstore.ansi.org/ansidocstore/find.asp?

Florida Department of Agriculture, *Florida Grades and Standards for Nursery Stock* http://www.doacs.state.fl.us/pi/plantinsp/publications.html

Florida Department of Transportation, *2006 FDOT Design Standards Landscape Installation* http://www.dot.state.fl.us/rddesign/rd/RTDS/06/544.pdf

Florida Department of Transportation, *2006 FDOT Sight Distance at Intersections* http://www.dot.state.fl.us/rddesign/rd/RTDS/06/546.pdf

Florida Department of Transportation, FDOT *Plans Preparation Manual Vol. I, Chapter 2.11* (PPM) http://www.co.palm-beach.fl.us/mpo/library/fdot/fdot_design.htm

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580-Landscape Installation* http://www.dot.state.fl.us/specificationsoffice/July06WB/5800000SS.pdf

Florida Department of Transportation, Landscape Architecture Website http://www.dot.state.fl.us/emo/beauty/FLA.htm

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

International Society of Arboriculture (ISA) www.isa-arbor.com

Manual on Uniform Traffic Control Devices http://www.mutcd.fhwa.dot.gov

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

Florida Accessibility Code http://www.dca.state.fl.us/fbc/information/accessibility.htm

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

SECTION NO: 86010, 86050, 81180, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT D

NON STANDARD SURFACES ON DOT TRAVELWAY
(Includes only surfaces on A1A; does not include any side streets)

1. **At Intersection of US-1 and S.E. 17th Street – Paver crosswalk (all sides)**
   Section 86180, SLD milepost 0.000

2. **At S.E. 10th Avenue – Paver crosswalks (2)**
   Section 86180, SLD milepost 0.253

3. **At S.E. 5th Street – Paver crosswalk (2)**
   Section 86180, SLD milepost 2.649

4. **At Cortez Street - Paver crosswalks (2)**
   Section 86050, SLD milepost 2.210

5. **Near Seville Street - Paver crosswalks (2)**
   Section 86050, SLD milepost 2.497

6. **Under the pedestrian overpass - Paver crosswalks (1)**
   Section 86050, SLD milepost 2.600 (est.)

7. **Near Sebastian Street - Paver crosswalks (2)**
   Section 86050, SLD milepost 2.500 (est.)

8. **At Bayshore Street - Paver crosswalks (2)**
   Section 86050, SLD milepost 2.644

9. **At Riomar Street - Paver crosswalks (2)**
   Section 86050, SLD milepost 2.716

10. **At Terramar Street - Paver crosswalk (2)**
    Section 86050, SLD milepost 2.862

11. **At Vistamar Street - Paver crosswalks (2)**
    Section 86050, SLD milepost 3.008

12. **At N.E. 9th Street - Paver crosswalks (2)**
    Section 86050, SLD milepost 3.254

13. **At Sunrise Blvd. – Paver crosswalk (1)**
    Section 86050, SLD milepost 3.325

14. **At N.E. 14th Court – Paver crosswalk (1)**
    Section 86050, SLD milepost 3.875

15. **At N.E. 16th Court – Paver crosswalk (1)**
    Section 86050, SLD milepost 4.095

16. **At Castillo Street – Paver crosswalks (2)**
    Section 86050, SLD milepost 2.325
    (south bound side only)

SECTION NO: 86010, 86050, 81180, 86180
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COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT E

EXISTING PROJECT AGREEMENTS AND LEASE AGREEMENT DESCRIPTIONS

The following agreements have been executed for projects that have been installed, in accordance with the plans and specifications attached hereto and incorporated herein but not exclusive to the following agreement descriptions:

AGREEMENTS SUPERSEDED BY THIS AGREEMENT

6/7/02 State Road A-1-A (17th Street Causeway) from SR 5 (US 1) (M.P. 0.000) to Eisenhower (M.P.0.765)(Section 86180) Contract No. AL907, **FM#2228116-1-52-01,** landscape and irrigation within the median and areas outside the travel way to the right of way line, excluding sidewalk and crosswalks unless constructed with other than concrete or asphalt at the Agency's request. Resolution No. 02-66 (4/23/02).

1/14/00 State Road A-1-A from the Mercedes River Bridge (M.P. 1.520) to Seabreeze Boulevard (M.P. 2.611) FIN No. 22811615201, all landscape/turfed areas and areas covered with interlocking pavers or similar type surfacing (hardscape) within the median and areas within the travel way to the right of way line, including paver sidewalk, paver crosswalks, paver intersections and all paver header curbs on Department of Transportation right-of-way within the limits of the Project. Resolution No. 99-175 (12/7/99).

3/17/97 State Road A-1-A from NE 9th Street (M.P. 3.254) to NE 19th Court (M.P. 4.343) State Project No. 86180-3522, W.P.I. 4110882, Contract No. AD719, all landscaped/turfed areas, areas covered with interlocking pavers or similar type surfacing (hardscape) and the graffiti coating/aesthetics of the concrete wall. Resolution No. 96-161 (10/1/96).

AGREEMENTS EXCEPTED OUT OF THIS AGREEMENT

4/12/02 Airspace Agreement. Lease of underdeck areas of the E. Clay Shaw Bridge (17th St. Causeway Bridge for the purpose of: Access, parking and a "park-like" area. Resolution No. 02-47. (3/19/02)

Lease Addendum: 4/12/07. 4/12/2002. Airspace Agreement Addendum: Lessee shall be responsible for any and all maintenance from the outer edge of the right of way for:

- D4 Highway Beautification Grant and MMOA (DSF) (see below)
- Underdeck parking
- Graffiti removal from structures
- Lighting per D4 JPA for Highway Lighting (Municipal). Resolution No. 97-35.
- Parking resurfacing

4/25/05 Lease Agreement. State Road A-1-A from Bahia Mar (M.P. 0.926) to Bayshore (M.P.2.644) Project #F-5320.Lease agreement with a maintenance requirement for permitting café tables and incidental related activities. Sidewalk cafes are restricted to the sidewalk area abutting the boundary lines of the property on which the restaurant owned by the applicant is located. Resolution No. 05-35 (4/1/05).

Lease Addendum: 4/25/2005. Landscape and other architectural enhancements: Landscape, sidewalks, pavers, and other non-standard decorative aesthetic features.

8/14/97 DISTRICT FOUR (4) HIGHWAY BEAUTIFICATION GRANT AND MAINTENANCE MEMORANDUM OF AGREEMENT (DSF). State Road A-1-A from **Eisenhower Blvd. (M.P. 0.765) to the Mercedes River Bridge (M.P. 1.497)** State Project No. 86180-3522, all landscaped/turfed areas and areas covered with interlocking pavers, electrical power for the landscape/hardscape lighting, water for the irrigation system, and the graffiti coating/aesthetics of: the hardscape elements on Department of Transportation right-of-way within the limits of the project: landscaping; landscape irrigation; landscape lighting; brick pavers; decorative concrete block walls; two decorative bus shelters; two pedestrian stairways adjacent to the west bridge abutment (including gazebos); two gazebos adjacent to the west bank of the Intracoastal Waterway; the paved parking facilities beneath the deck of the proposed bridge. Resolution No. 97-37 (2/18/97).

SECTION NO: 86010, 86050, 81180, 86180
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WPI NO.(S): 4110739, 4110882

EXHIBIT F

PENDING DEPARTMENT PROJECT'S LANDSCAPE IMPROVEMENT PLANS

Please see attached plans by: Gentile, Holloway & O'Mahoney

Dated: 7/3/07

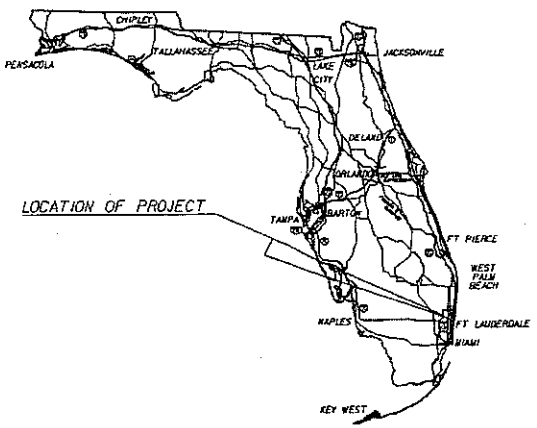
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 416872-1-52-01
(FEDERAL FUNDS)
BROWARD COUNTY (86050)
STATE ROAD NO. A1A (OCEAN BLVD)

LANDSCAPE PLANS

LANDSCAPE PLANS



INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2 - LD-3	TABULATION OF QUANTITIES
LD-4	LANDSCAPE NOTES
LD-5 - LD-15	LANDSCAPE PLANS
LD-16 - LD-17	IRRIGATION PLANS (ONLY SHEETS W/ IRRIGATION)
LD-18	IRRIGATION TABLE AND NOTES
LD-19	IRRIGATION DETAILS
LD-20 - LD-33	TREE PERMIT PLANS

LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:
JASON LITTERICK, ASLA
GENTILE, HOLLOWAY, O'MAHONEY, & ASSOC.
1907 COMMERCE LANE, SUITE 101
JUPITER, FLORIDA 33458
561-575-9557

PLANS PREPARED BY:
GEORGE G. GENTILE, FASLA LA0000530
Gentile Holloway O'Mahoney
& Associates, Inc.
1907 Commerce Lane 561-575-9557
Suite 101 561-575-5260 FAX
Jupiter, Fl 33458 www.landscape-architects.com
CERTIFICATION OF AUTHORIZATION NO. LC0000177
CONTRACT NO.: C-8771
VENDOR NO.: F650033418001

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

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01/01/06
For Design Standards modifications go to the following Web site:
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

FDOT PROJECT MANAGER: BING WANG, PE

LANDSCAPE PLANS
LANDSCAPE
ARCHITECT OF RECORD: GEORGE G. GENTILE, FASLA

R.L.A. NO.: 0000530

FISCAL YEAR	SHEET NO.
09	LD-1

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LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
					LD-7		LD-8		LD-9		LD-10		LD-11						
					PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
570-1-2		PERFORMANCE TURF (ST. AUGUSTINE 'FLORITAM')		SY	27								21		48				
580-1-1		SMALL PLANTS																	
	BAR	SEA OXEYE DAISY (BORRICHIA ARBORESCENS)	#1, 12" O.A., 18" O.C., FULL AND THICK	EA			90		90		90				270				
	HDE	BEACH SUNFLOWER (HELIANTHUS DEBILIS)	#1, 12" SPD., 18" O.C., FULL AND THICK	EA															
580-1-2		LARGE PLANTS																	
	LL	LIGUSTRUM TREE (LIGUSTRUM LUCIDUM)	8'X8' SPD., MULTI TRUNK, 3" C.T.	EA					2		2				4				
	QV	LIVE OAK (QUERCUS VIRGINIANA)	20' O.A., 10' SPD., B&B	EA	1										1				
	SP	SABAL PALM (SABAL PALMETTO)	12-18' C.T., SLICK TRUNK	EA	1										1				
	VM	MONTGOMERY PALM (VEITCHIA MONTGOMERYANA)	12' C.T.	EA	3		4						5		12				
590-70		IRRIGATION SYSTEM		LS															
		NOTE:																	
		SHEETS LD-7 THROUGH LD-13																	
		ARE THE ONLY SHEETS WITH LANDSCAPING																	
		SHEETS LD-23 AND LD-24 ARE THE ONLY																	
		SHEETS WITH IRRIGATION																	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G17-6.001, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

GEORGE G. GENTILE, FASLA LA0000533
Gentile Holloway O'Mahoney & Associates, Inc.
1527 COMMERCE LANE 561-575-9557
SUITE 101 561-575-5360 FAX
JUPITER, FL 33458 WWW.LANDSCAPE-ARCHITECTS.COM
CERTIFICATE OF AUTHORIZATION NO. LC0000077

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR	BROWARD	416872-1-52-01

TABULATION OF QUANTITIES

SHEET NO. LD-2

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LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS LD-12 PLAN	LD-12 FINAL	LD-13 PLAN	LD-13 FINAL	LD-14 PLAN	LD-14 FINAL					TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
570-1-2		PERFORMANCE TURF (ST. AUGUSTINE 'FLORITAM')		SY	255		470								725		773		
580-1-1		SMALL PLANTS																	
	BAR	SEA OXEYE DAISY (BORRICHIA ARBORESCENS)	#1, 12" O.A., 18" O.C., FULL AND THICK	EA	60		20		100						180		450		
	HDE	BEACH SUNFLOWER (HELIANTHUS DEBILIS)	#1, 12" SPD., 18" O.C., FULL AND THICK	EA	100										100		100		
580-1-2		LARGE PLANTS																	
	LL	LIGUSTRUM TREE (LIGUSTRUM LUCIDIUM)	8'X8' SPD., MULTI TRUNK, 3" C.T.	EA	2		2								4		8		
	QV	LIVE OAK (QUERCUS VIRGINIANA)	20' O.A., 10' SPD., B&B	EA	1		2								3		4		
	SP	SABAL PALM (SABAL PALMETTO)	12-18' C.T., SLICK TRUNK	EA	10		17								27		28		
	VM	MONTGOMERY PALM (VEITCHIA MONTGOMERYANA)	12' C.T.	EA	6										6		18		
590-70		IRRIGATION SYSTEM		LS													1		

NOTE:
SHEETS LD-7 THROUGH LD-13
ARE THE ONLY SHEETS WITH LANDSCAPING

SHEETS LD-23 AND LD-24 ARE THE ONLY
SHEETS WITH IRRIGATION

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G9-4.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

GEORGE G. GENTILE, FASLA LA0002530
Gentile Holloway O'Mahoney & Associates, Inc.
1907 COMMERCE LANE 561-575-9557
SUITE 101 561-575-5260 FAX
JUPITER, FL 33458 WWW.LANDSCAPE-ARCHITECTS.COM
CERTIFICATION OF AUTHORIZATION NO. LC0000071

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR A1A	BROWARD	416872-1-52-01

TABULATION OF QUANTITIES

SHEET NO. LD-3

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CAM 21-0260
Exhibit 3
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GENERAL NOTES

1. THE LOCATION OF PLANTS, AS SHOWN ON THESE PLANS ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORSEEN FIELD CONDITIONS, TO COMPLY WITH SAFETY SETBACKS, OR AS OTHERWISE DIRECTED OR APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL FLAG ALL PROPOSED TREE BY THE ENGINEER AND FOR HIS OR HER APPROVAL PRIOR TO PLANTING.

2. ABOVE AND BELOW GROUND UTILITIES SHALL BE VERIFIED AND LOCATED BY THE LANDSCAPE CONTRACTOR PRIOR TO COMMENCING WORK IN THE PROJECT AREA. IF UTILITY PLANS ARE AVAILABLE, THE CONTRACTOR SHALL EXAMINE THEM AND BRING ANY AND ALL CONFLICTS TO THE ATTENTION OF THE PROJECT ENGINEER, WHO SHALL COORDINATE THE NECESSARY ADJUSTMENTS WITH THE UTILITY PROVIDER. WHEN WORKING IN AN AREA WHERE KNOWN UTILITIES EXIST, UTILITY LOCATIONS MAY NEED TO BE STAKED BY A SURVEYOR OR THE UTILITY COMPANIES. THE CONTRACTOR HAS THE OPTION TO CONTRACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770 TO SCHEDULE LOCATION OF THE UTILITIES WHICH SUBSCRIBE TO THEIR SERVICE. ADJUST TREE LOCATIONS WHEN NECESSARY NOT EXISTING UTILITIES.

3. UTILITY OWNERS:

COMPANIES	CONTACT PERSON	TELEPHONE NOS.
BELLSOUTH	MIKE POSTEN	954-723-2540
FP&L	WYLIE KYNARD	954-321-2052
COMCAST	LEONARD MAXWELL-NEWBOLD	954-534-7380
BROWARD COUNTY OES - TRAFFIC	JUDITH ANN MICHAU	954-847-2644
PEOPLES (GAS) - FT. LAUD	ALEX ROCHE	954-453-0811
CITY OF FT. LAUDERDALE	JON STAHL	954-828-7830
BROWARD COUNTY TRAFFIC	HANK KOORNSTA	954-847-2611
BROWARD COUNTY MASS TRANSIT	SPENSER STOLESON	954-357-8392

4. MAINTAINING AUTHORITY:
CITY OF FT. LAUDERDALE
ATTENTION: GENE DEMPSEY
1350 W. BROWARD BLVD.
FT. LAUDERDALE, FLORIDA 33312
(954) 828-5785

3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION. REFER TO ROADWAY PLANS (GENERAL NOTES) FOR A LISTING OF ALL KNOWN UTILITIES IN THE AREA.

4. ALL LANDSCAPE BEDS SHALL RECIEVE A UNIFORMLY APPLIED MULCH MATERIAL TO A MINIMUM THICKNESS OF 3" OVER THE ENTIRE PLANT BED, (EXCEPT WITHIN 6" OF PLANT TRUNKS).

5. NO PLANT SUBSTITUTIONS WILL BE MADE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

6. DESIGN SPEED: 35 MPH.

6. CONTRACTOR RESPONSIBLE FOR INSURING ALL EXISTING LANDSCAPING AND IRRIGATION IS MAINTAINED IN GOOD HEALTH AND CONDITION DURING CONSTRUCTION. ALL EXISTING TREES SHALL BE PROTECTED PER INDEX 544.

PLANT SCHEDULE

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	PAY SIZE	MAX. MAINTAINED SIZE	SPACING	REMARKS
LL	8	LIGUSTRUM LUCIDIUM	TREE LIGUSTRUM	8'X8' SPD.	LARGE	N/A	A.S.	MATCHED HTS.
QV	4	QUERCUS VIRGINIANA	LIVE OAK	20' O.A.	LARGE	N/A	A.S.	FULL & THICK
SP	28	SABAL PALMETTO	SABAL PALM	12-18' C.T.	LARGE	N/A	A.S.	SLICK TRUNK
VM	18	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	12' C.T.	LARGE	N/A	A.S.	MATCHED HTS.
BAR	450	BORRICHIA ARBORESCENS	SEA OXEYE DAISY	#1, 12" O.A.	SMALL	N/A	18" O.C.	FULL AND THICK
HDE	100	HIANELIANTHUS DEBILIS	BEACH SUNFLOWER	#1, 12" SPD.	SMALL	N/A	18" O.C.	FULL AND THICK

PAY ITEM NOTES:

- 570-1-2 PERFORMANCE TURF; SOD SHALL BE ST. AUGUSTINE 'FLORITAM'

- 580-1-1, 580-1-2, INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS FOR THE COMPLETE INSTALLATION OF PLANT IN ACCORDANCE WITH SPECIFICATIONS AND FDOT INDEX #544 INCLUDING, BUT NOT LIMITED TO, PLANT, FINISH SOIL LAYER, UNSUITABLE SOIL REMOVAL, SPECIAL BED PREPARATION, STAKING, MULCH, FERTILIZER, HAND WATERING, GUARANTEE AND MAINTENANCE DURING ESTABLISHMENT PERIOD. ALSO INCLUDES THE COST FOR TEMPORARY WATERING AND TREE PROTECTION (PER INDEX 544) OF EXISTING TREES DURING CONSTRUCTION.

- 590-70 INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS FOR THE COMPLETE INSTALLATION OF AUTOMATIC IRRIGATION SYSTEM BY MEANS OF OPEN TRENCHING AS SPECIFIED IN THESE PLANS AND THE GOVERNING SPECIFICATIONS. INCLUDES THE COST OF ALL SYSTEM COMPONENTS AND INSTALLATION INCLUDING, BUT NOT LIMITED TO VALVES, RAIN SENSORS, IRRIGATION HEADS, NOZZLES, FITTINGS, PIPES, ELECTRICAL & IRRIGATION SLEEVES, DIRECTIONAL DRILLING, PULL WIRES, EMS MARKERS, CONTROLLERS, CLOCKS, BACKFILLING, DEBRIS REMOVAL, SYSTEM TESTING, MOT. THIS PAY ITEM ALSO INCLUDES THE COST OF ALL REQUIRED PERMITS TO PERFORM THIS WORK.

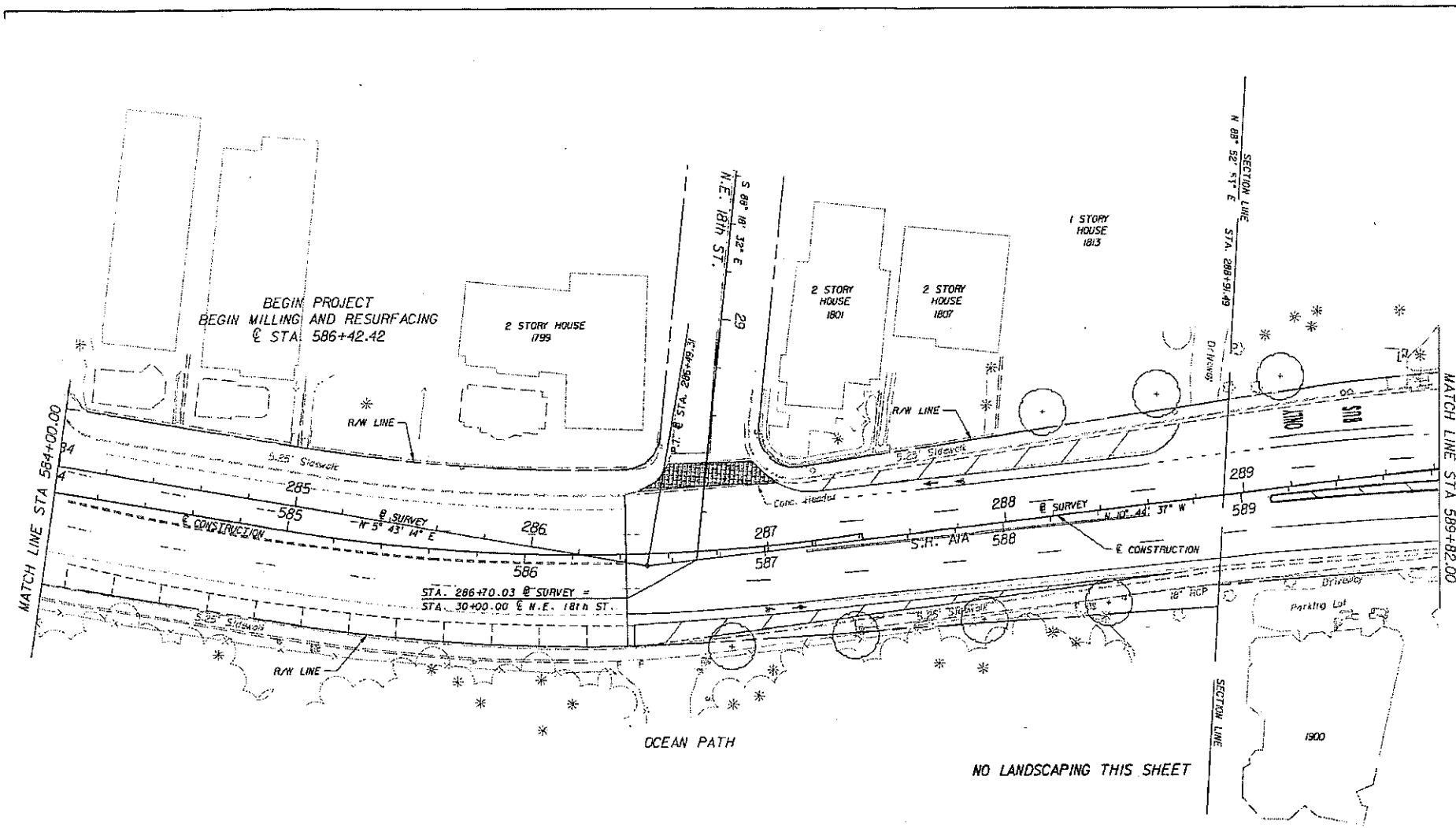
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SUITE 1X 561-575-1560 FAX
JUPITER, FL 33458 WWW.LANDSCAPE-ARCHITECTS.COM
CERTIFICATION OF AUTHORIZATION NO. LC0000177

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LANDSCAPE NOTES	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
SR A1A	BROWARD	416872-1-52-01		LD-4

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Suite 101 561-515-5260 FAX
Jupiter, Fl 33458 www.landscape-architects.com
CERTIFICATE OF AUTHORIZATION NO. LC0000017

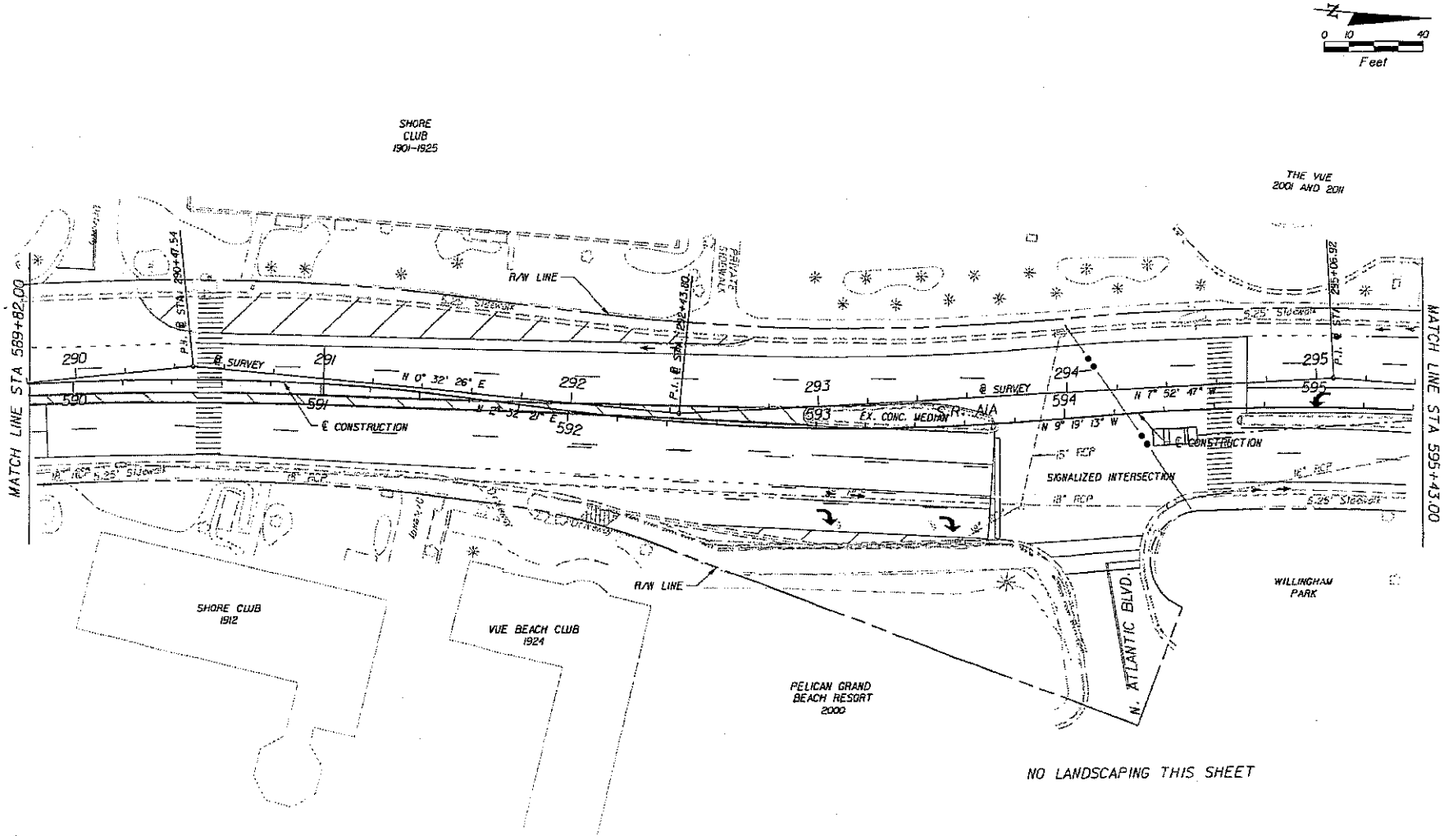
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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LANDSCAPE PLAN

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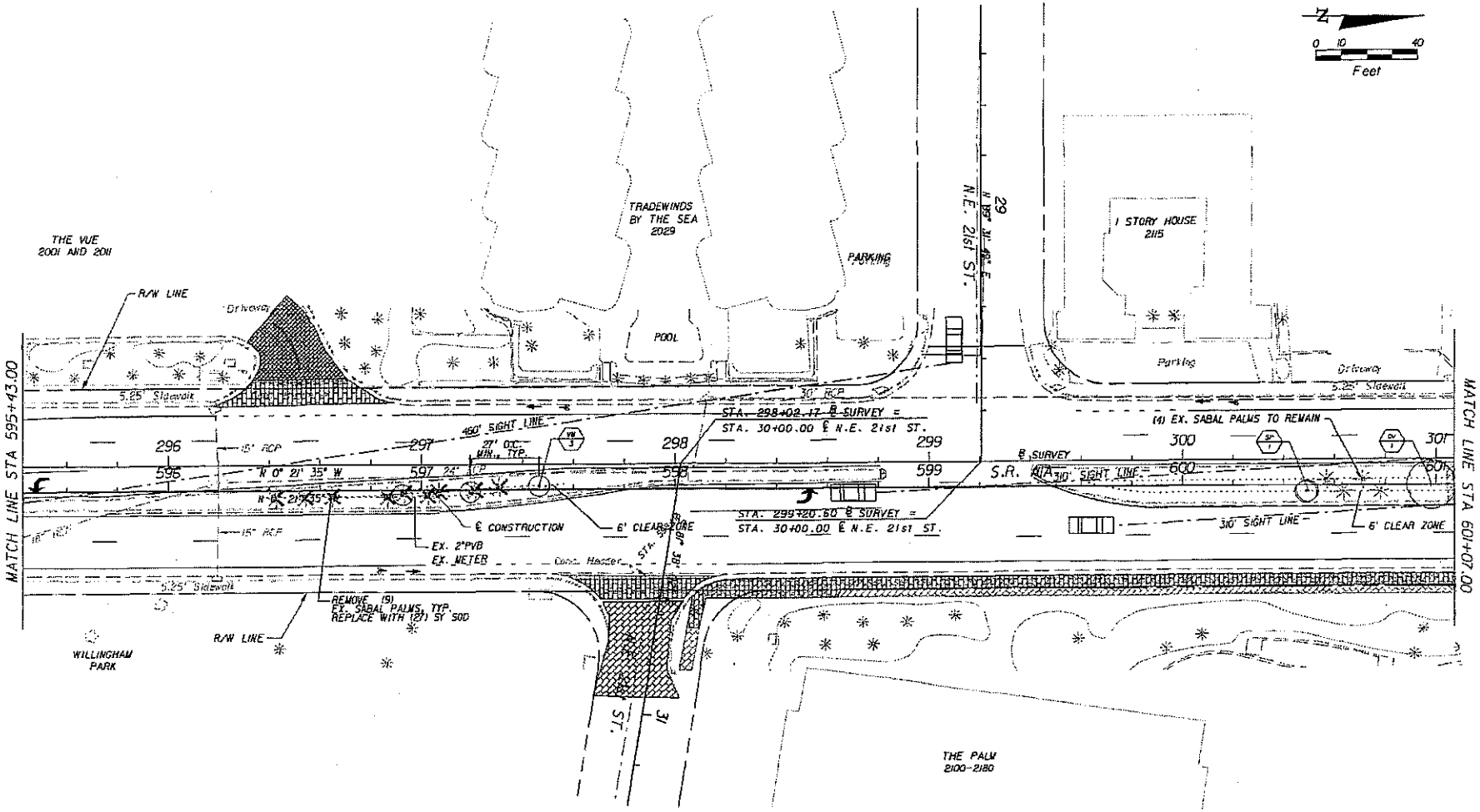
GEORGE G. GENTILE, FASLA LA0002530
Gentile Holloway O'Mahoney & Associates, Inc.
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CERTIFICATION OF AUTHORIZATION NO. LC0002617

STATE OF FLORIDA
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LANDSCAPE PLAN

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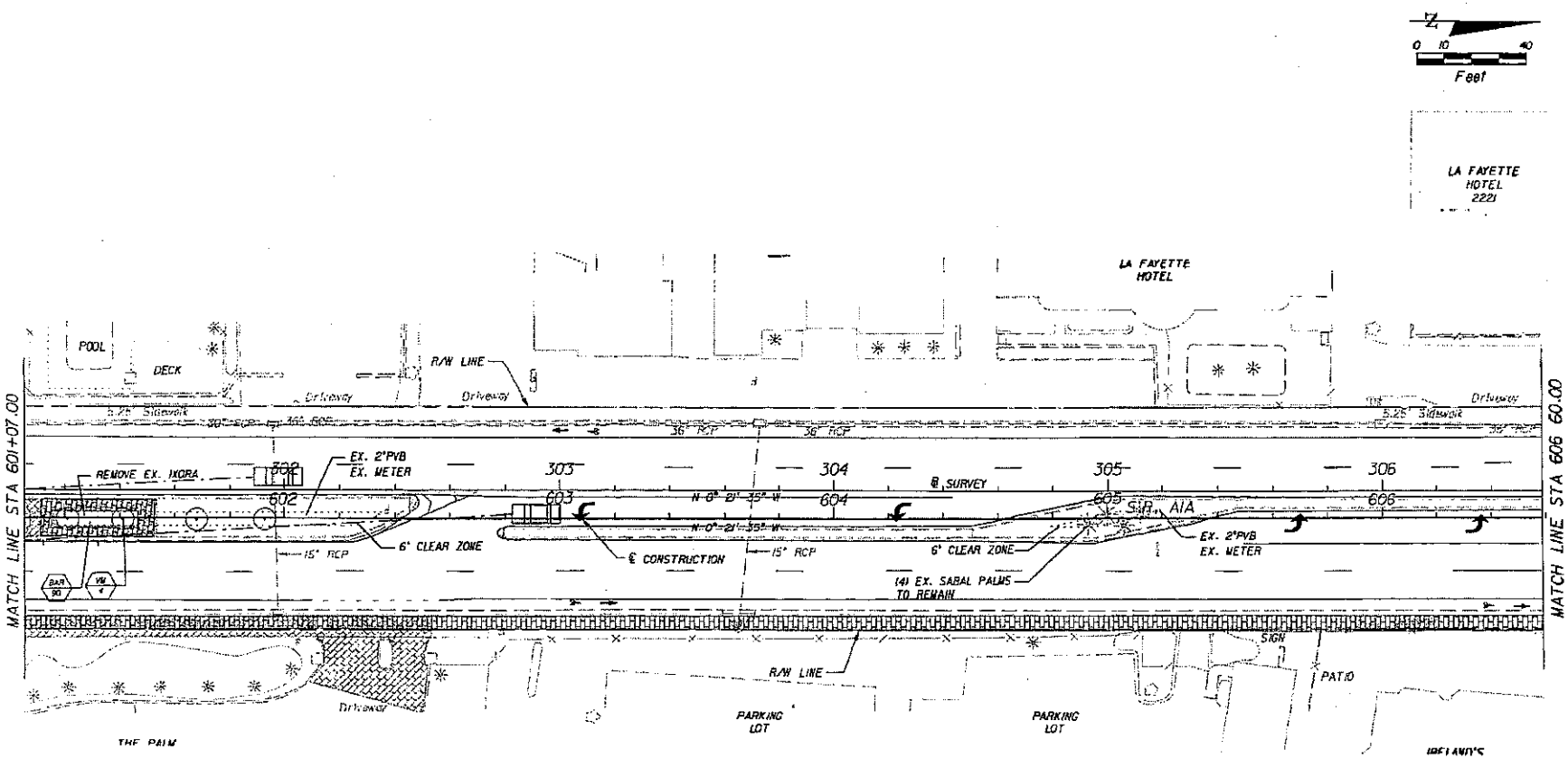
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A1A	BROWARD	416872-1-52-01

LANDSCAPE PLAN

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CERTIFICATION OF AUTHORIZATION NO. LC0000177

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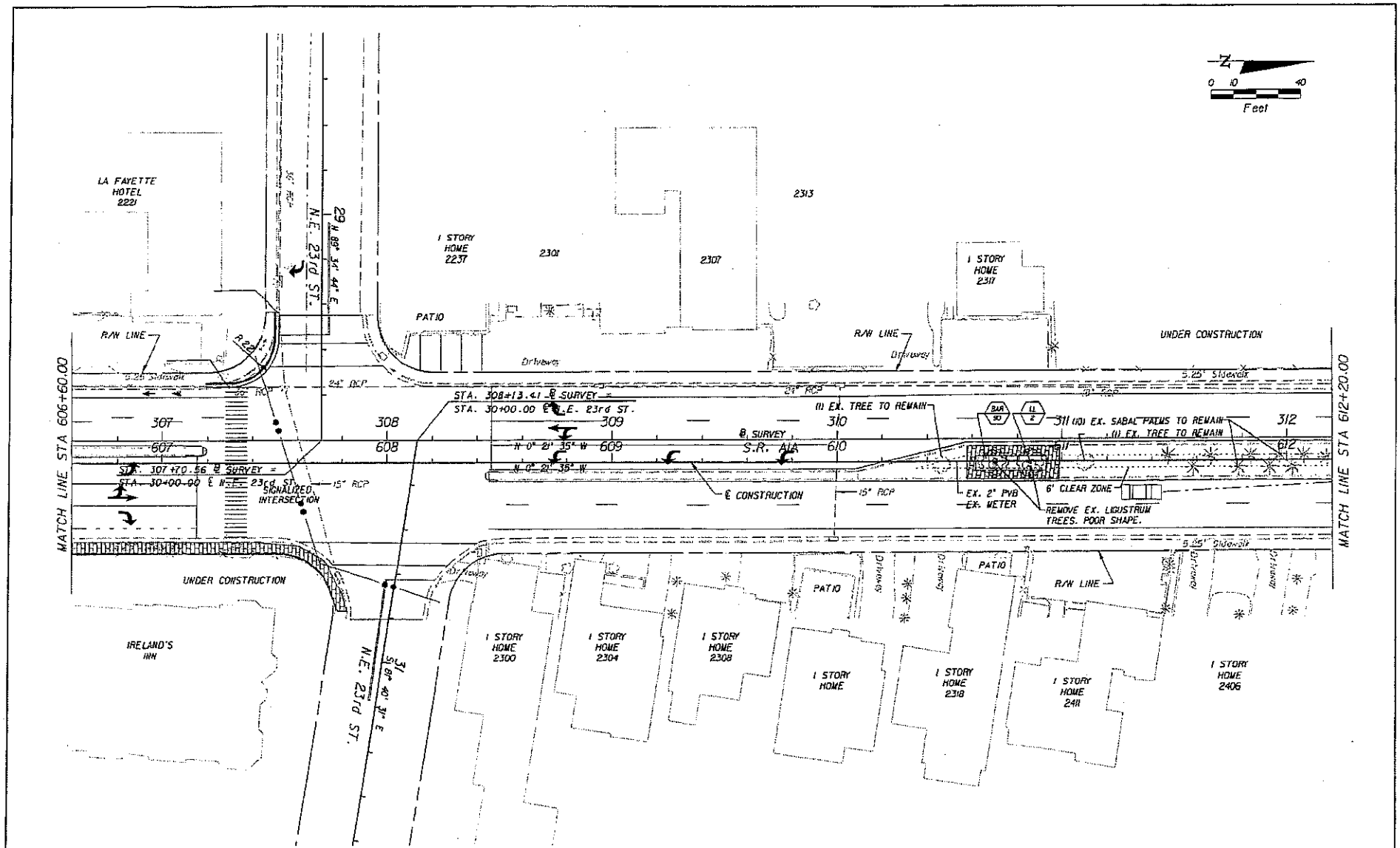
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LANDSCAPE PLAN

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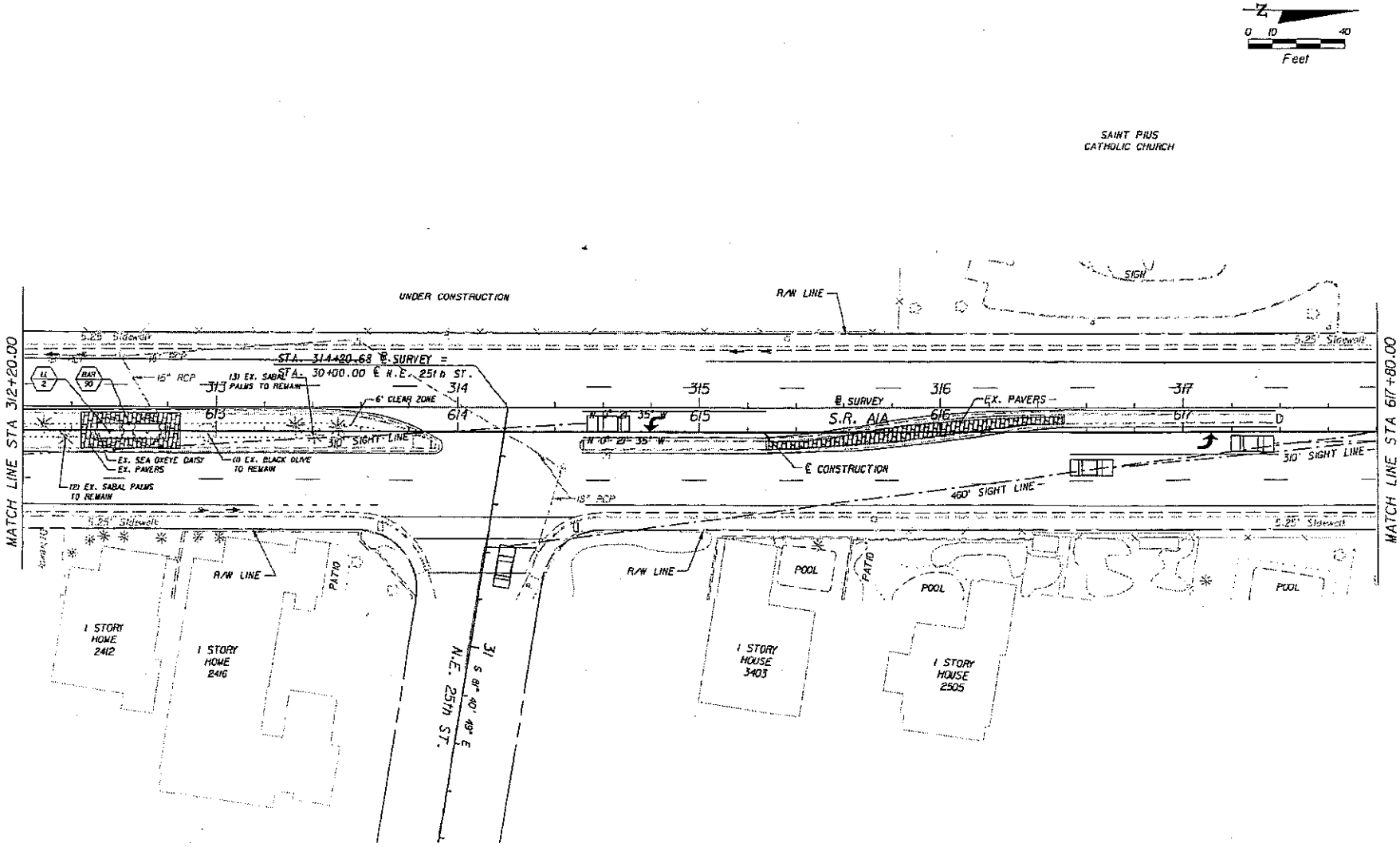
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LANDSCAPE PLAN

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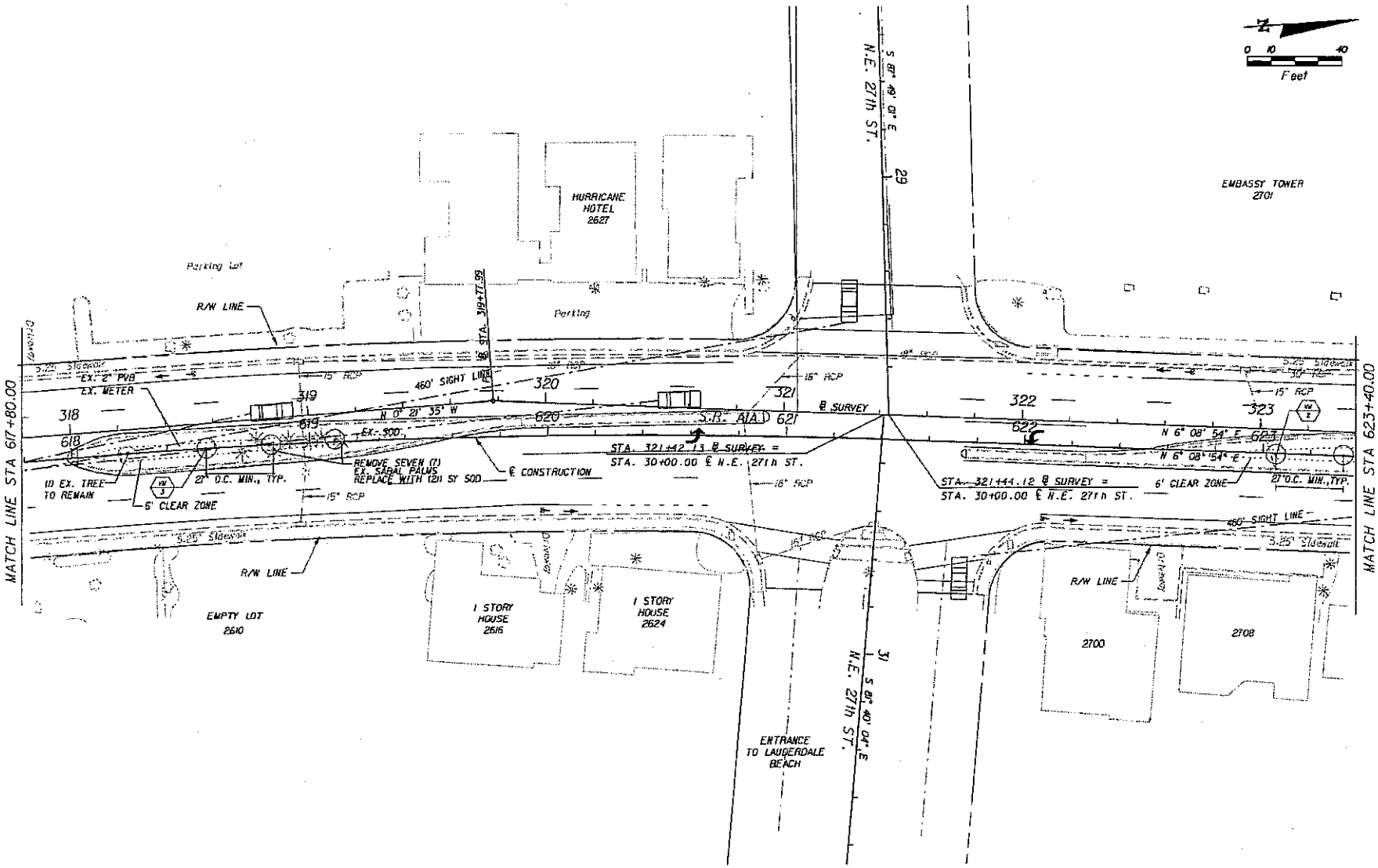
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LANDSCAPE PLAN

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Jupiter, FL 33458 www.landscape-architects.com
CERTIFICATION OF AUTHORIZATION NO. LC0000017

STATE OF FLORIDA
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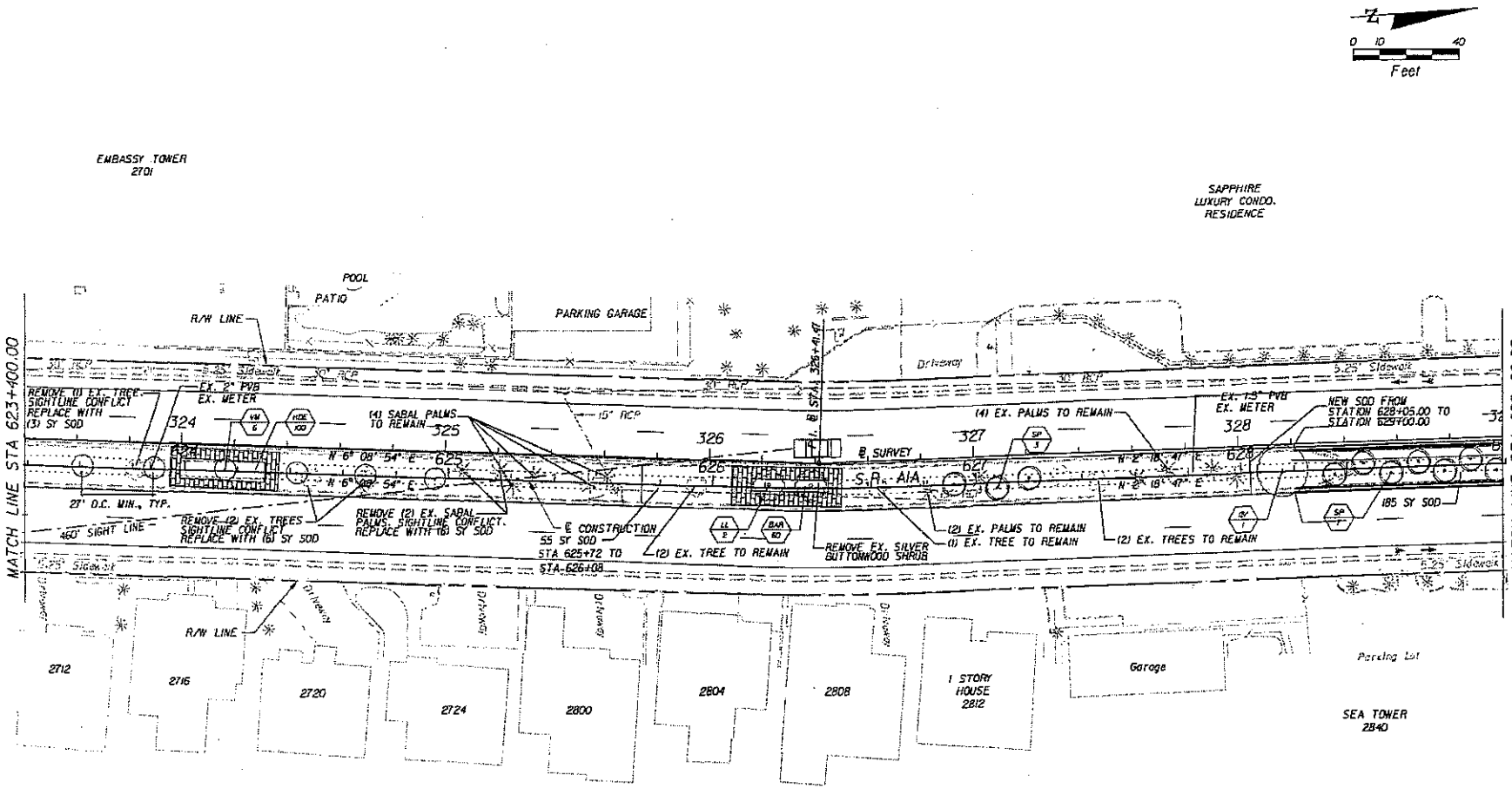
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

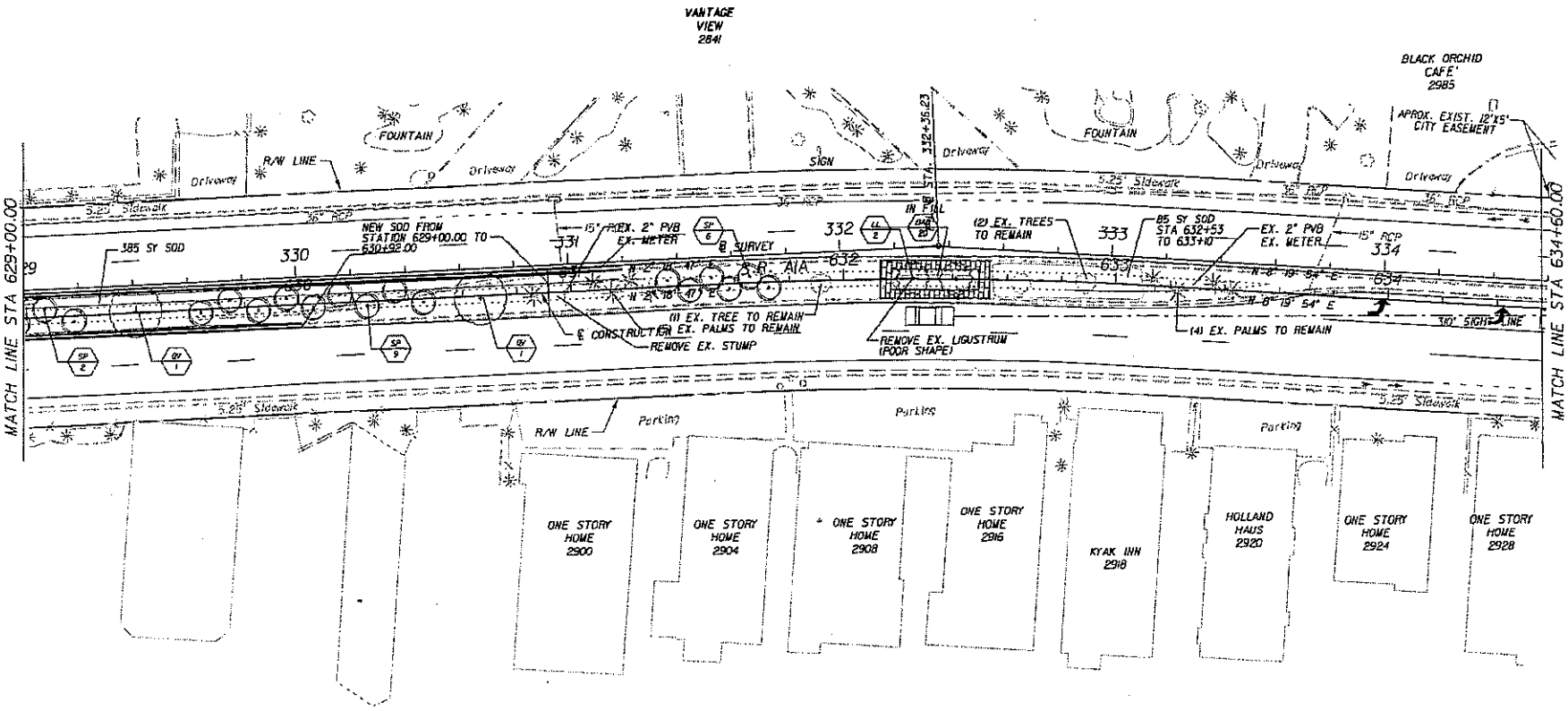
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LANDSCAPE PLAN

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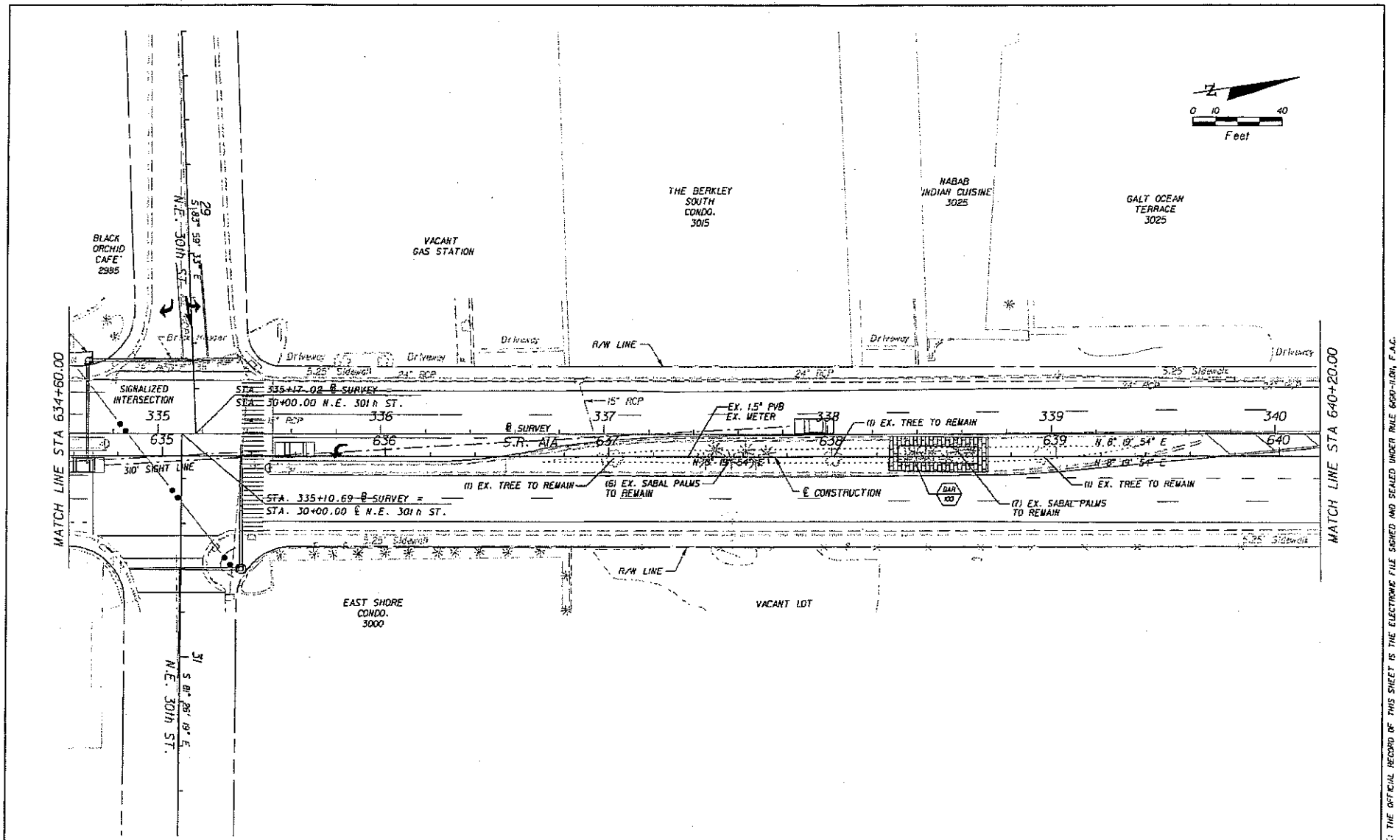
GEORGE G. GENTILE, FASLA LA0000530
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Jupiter, Fl 33458 www.landscape-architects.com
CERTIFICATION OF AUTHORIZATION NO. LC0000177

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LANDSCAPE PLAN

SHEET NO. LD-13

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Jupiter, Fl 33458 www.landscape-architects.com
CERTIFICATION OF AUTHORIZATION NO. C000077

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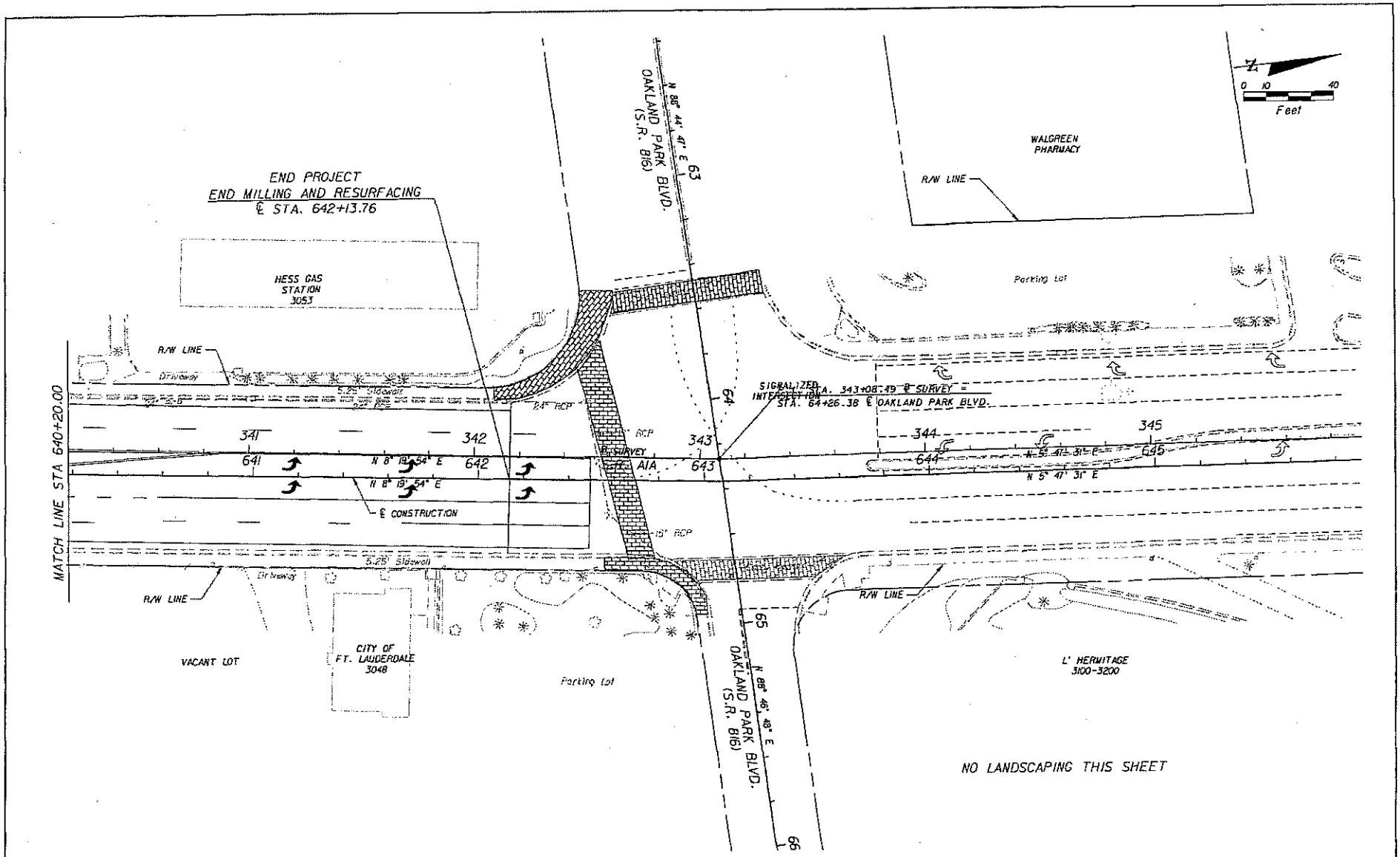
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LANDSCAPE PLAN

SHEET NO. LD-14

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Jupiter, Fl 33458 ggalandscape-architects.com
CERTIFICATION OF AUTHORIZATION NO. LC0000077

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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LANDSCAPE PLAN

SHEET NO. LD-15

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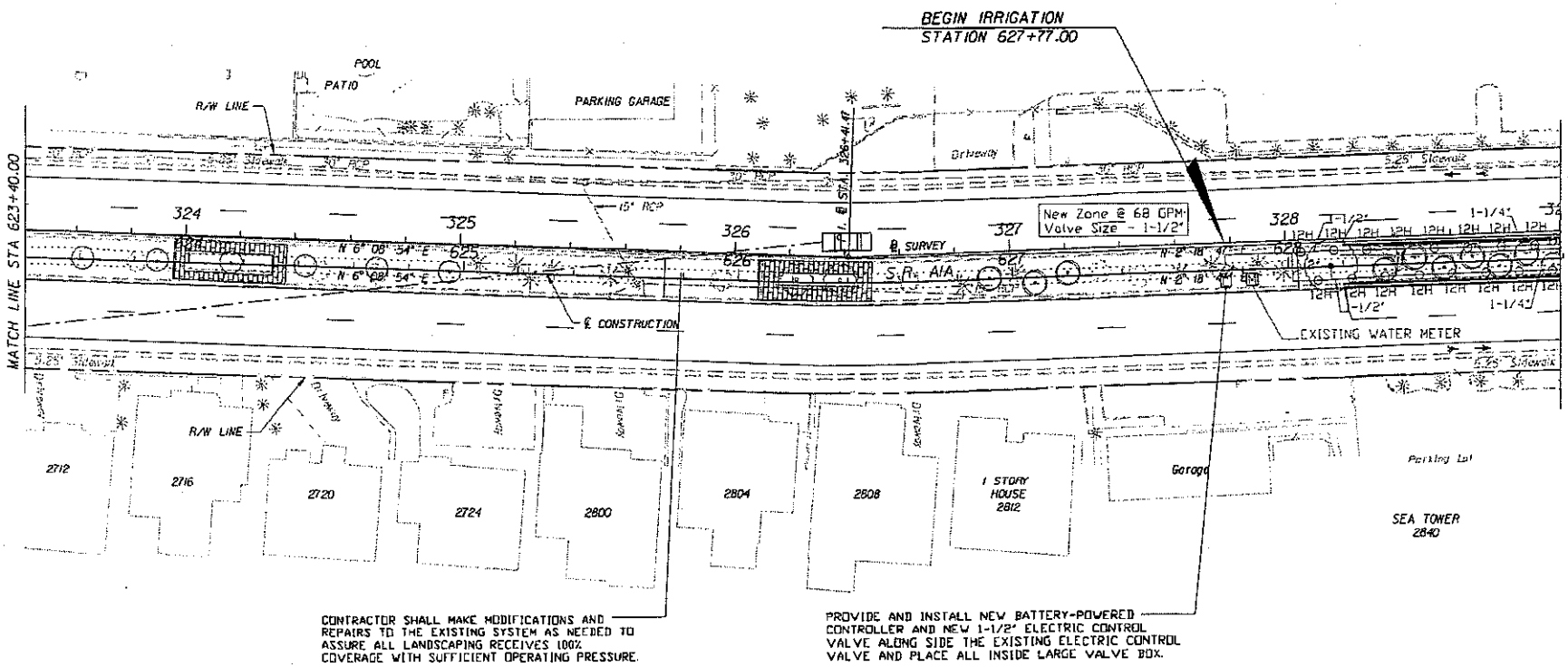
SPRINKLER KEY LEGEND

Symbol	Description
•	Adjustable Flood Bubbler
12H ⊖	6" Pop-Up Spray Head with 12 Ft Radius Half Nozzle

PIPE SIZING LEGEND

PIPE SIZE	GPM
3/4"	0-10
1"	11-16
1-1/4"	17-28
1-1/2"	29-35
2"	36-55
2-1/2"	56-80

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IT'S THE LAW!
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.



CONTRACTOR SHALL MAKE MODIFICATIONS AND REPAIRS TO THE EXISTING SYSTEM AS NEEDED TO ASSURE ALL LANDSCAPING RECEIVES 100% COVERAGE WITH SUFFICIENT OPERATING PRESSURE.

PROVIDE AND INSTALL NEW BATTERY-POWERED CONTROLLER AND NEW 1-1/2" ELECTRIC CONTROL VALVE ALONG SIDE THE EXISTING ELECTRIC CONTROL VALVE AND PLACE ALL INSIDE LARGE VALVE BOX.

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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IRRIGATION PLAN

SHEET NO. LD-16

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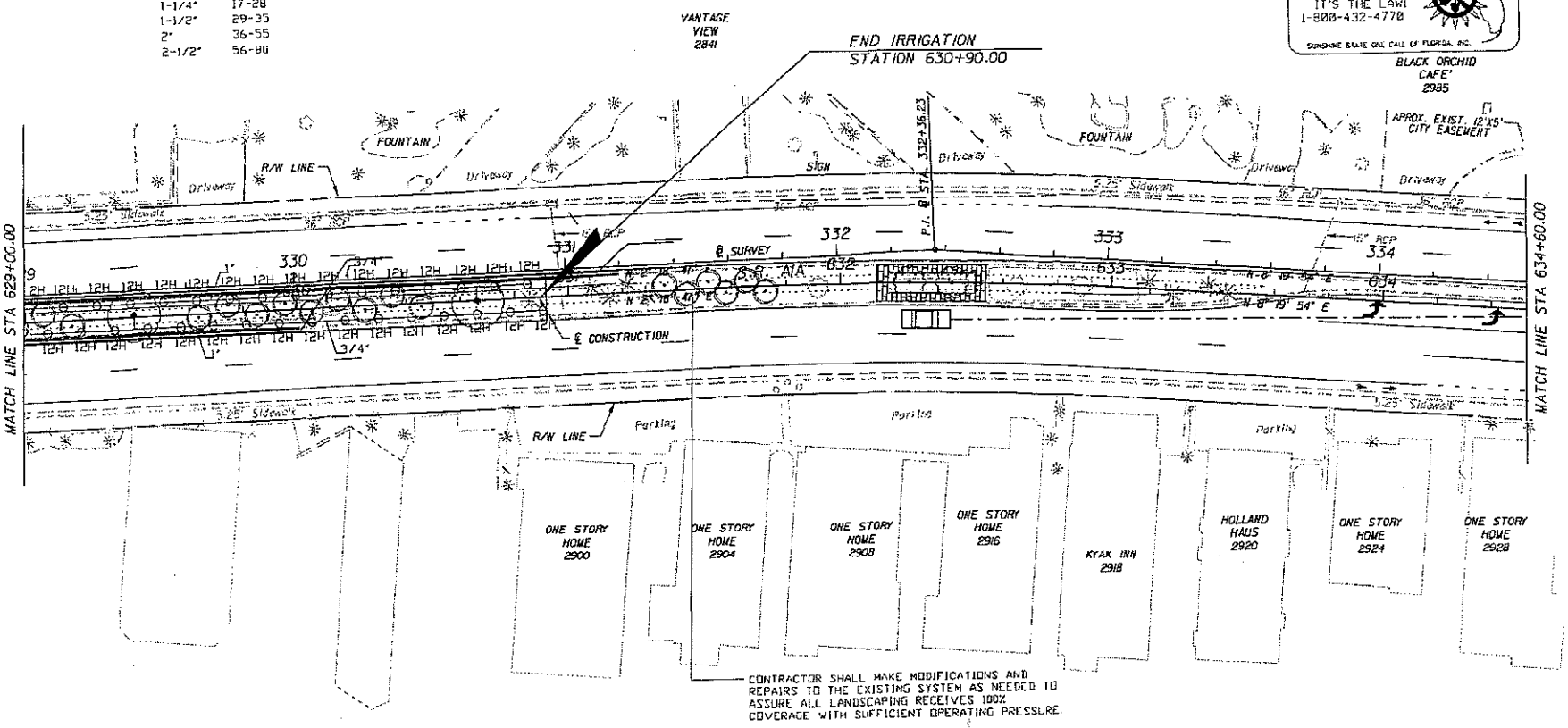
SPRINKLER KEY LEGEND

Symbol	Description
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12H ⊖	6' Pop-Up Spray Head with 12 Ft Radius Half Nozzle

PIPE SIZING LEGEND

PIPE SIZE	GPM
3/4"	0-10
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2"	36-55
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STATE OF FLORIDA
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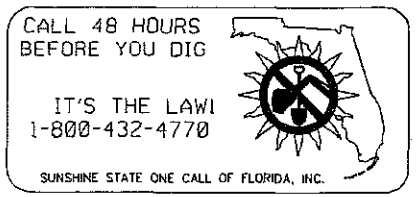
IRRIGATION PLAN

SHEET NO. LD-17

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NOTES:

1. THE IRRIGATION SYSTEM HEAD LAYOUT IS DESIGNED AND SHALL BE INSTALLED AND MAINTAINED TO MINIMIZE OVERSPRAY ONTO ROADWAYS. AFTER THE SYSTEM IS FLUSHED AND NOZZLED, THE ARCS SHALL BE SET TO MINIMIZE OVERSPRAY AND THE FLOW CONTROL/PRESSURE REGULATOR ON THE ZONE CONTROL VALVE SHALL BE ADJUSTED DOWN TO PREVENT ANY MISTING OR FOGGING, TO PRODUCE DROPLETS OF WATER TO MINIMIZE THE EFFECT OF THE WIND THEREBY LIMITING OVERSPRAY AND WATER WASTE. CONTROLLER PROGRAMMING SHALL BE SET SO AS NOT TO ALLOW THE IRRIGATION TO CREATE ANY RUN OFF WHICH COULD CREATE WATER ON THE ROAD.
2. THE DESIGNER CANNOT BE HELD RESPONSIBLE FOR ANY MATTER, ACT, OR EFFECT ARISING FROM OVERSPRAY, BROKEN PIPES, HEADS OR NOZZLES. IN THE EVENT OF A BREAK OR BROKEN OFF HEAD OR NOZZLE, THE COMPONENT SHALL BE REPAIRED/REPLACED,CAPPED, OR ZONE TURNED OFF FROM AUTOMATIC OPERATION AS SOON AS POSSIBLE.
3. THE DESIGNER DOES NOT WARRANT THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR, IF SHOWN, ARE PROPERLY LOCATED ON THE PLANS, AND ARE EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AT (800) 432-4770 TO VERIFY UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO DIGGING. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT/LOCATE OTHER UTILITIES NOT SUBSCRIBING TO "SUNSHINE STATE ONE CALL". ALSO CALL APPLICABLE LOCAL UTILITY AGENCY TO VERIFY LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES AND RELEVANT GOVERNMENT DEPARTMENTS AND ENSURING ALL UTILITIES LOCATED ABOVE, ON, OR BELOW THE SURFACE OF THE SITE ARE PROPERLY DISCOVERED, IDENTIFIED, VERIFIED, AND FIELD LABELED, AND ENSURING THOSE SAME UTILITIES ARE AT ALL TIMES SAFELY CONTROLLED AND PROTECTED BY REASONABLE
5. LOCATE SPRINKLER HEADS 12" FROM BACK OF CURB. LOCATE IRRIGATION VALVE BOXES A MINIMUM 18" FROM BACK OF CURB.
6. ANY WORKERS, WORKED PERFORMED, EQUIPMENT, ECT. WITHIN THE TRAVEL WAY MUST HAVE A MAINTENANCE OF TRAFFIC PER F.D.O.T. INDEX IN PLACE PRIOR TO COMMENCING WORK.
7. ALL DAMAGED OCCURRED BY THE CONTRACTOR SHALL BE REPLACED PER F.D.O.T. STANDARDS.
8. WATER METERS ARE EXISTING.
9. THE CONTRACTOR SHALL PROVIDE AND INSTALL BATTERY-POWERED CONTROLLER, REMOTE CONTROL VALVE, RAIN SENSOR AND VALVE BOX AT THE LOCATION SHOWN ON THE PLAN IN ACCORDANCE TO THE MANUFACTURERS SPECIFICATIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICABLE FEES AND PERMITS.
11. CONTRACTOR SHALLADJUST EXISTING IRRIGATION SO ADEQUATE WATERING IS PROVIDED FOR ALL NEW LANDSCAPING THROUGHOUT THE PROJECT LIMITS. CONTRACTOR SHALL ALSO INSURE EXISTING IRRIGATION SYSTEM IS OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION SO THAT EXISTING LANDSCAPING IS NOT COMPROMISED.
12. CONTRACTOR SHALL NOTIFY THE CITY AND PROJECT ENGINEER OF ANY EXISTING DEFFICIENCIES WITHIN THE EXISTING IRRIGATION SYSTEM, IE. BROKEN HEADS, LOW PRESSURE, BROKEN PIPE. REPAIRS SHALL BE MADE IN COORDINATION WITH THE CITY OF FT. LAUDERDALE.



MINIMUM RECOMMENDED
IRRIGATION MAINTENANCE PROCEDURES

1. Every irrigation zone should be checked monthly and written reports generated describing the date(s) each zone was inspected, problems identified, date problems repaired, and a list of materials used in the repair. At minimum, these inspections should include the following tasks:
   - A. Turn on each zone from the controller to verify automatic operation.
   - B. Check schedules to ensure they are appropriate for the season, plant and soil type, and irrigation method. Consult an I.A. certified auditor for methods used in determining proper irrigation scheduling requirements.
   - C. Check remote control valve to ensure proper operation.
   - D. Check setting on pressure regulator to verify proper setting, if present.
   - E. Check flow control and adjust as needed; ensure valve closure within 10-15 seconds after deactivation by controller.
   - F. Check for leaks - mainline, lateral lines, valves, heads, etc.
   - G. Check all heads as follows:
     1. Proper set height (top of sprinkler is 1" below mow height)
     2. Verify head pop-up height - 6" in turf, 12" in ground cover, and pop-up on riser in shrub beds.
     3. Check wiper seal for leaks - if leaking, clean head and re-inspect. If still leaking, replace head with the appropriate head with pressure regulator and built-in check valve.
     4. All nozzles checked for proper pattern, clogging, leaks, correct make & model, etc. - replace as needed
     5. Check for proper alignment - perfectly vertical; coverage area is correct; minimize overspray onto hardscapes.
     6. Riser height raised/lowered to accommodate plant growth patterns and ensure proper coverage.
     7. Verify the pop-up riser retracts after operation. If not, repair/replace as needed.
2. Check controller ground for resistance (10 ohms or less) once per year. Submit written reports.
3. Check rain shut-off device monthly to ensure it functions properly.
4. Inspect all filters monthly and clean/repair/replace as needed.
5. Inspect all valve boxes to ensure they are in good condition, lids are in place and locked.
6. Conduct additional inspections, maintenance tasks, etc. that are particular for your site.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-4.001, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

GEORGE G. GENTILE, FASLA LA0000530
Gentile Holloway O'Mahoney & Associates, Inc.
1507 COMMERCE LANE 561-575-9557
SUITE 101 561-575-5260 FAX
JUPITER, FL 33458 WWW.LANDSCAPE-ARCHITECTS.COM
CERTIFICATION OF AUTHORIZATION NO. LC0000177

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION TABLE AND NOTES	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
SR A1A	BROWARD	416872-1-52-01		LD-18

Gentile 1/31/2022 11:06:46 AM J:\GGO\130_Streetlife\416872\52\Landscape\Sheets\LD-18.dgn

MATERIAL QUANTITY

Irrigation Heads

Quantity	Symbol	Description
3	●	Adjustable Flood Bubbler
48	12H ⊖	6" Pop-Up Spray Head with 12 ft Radius Half Nozzle

Backflow Preventers

Quantity	Symbol	Description	Size
1		Pressure Vacuum Breaker	1-1/2"

Battery-Powered Controllers

Quantity	Symbol	Description	Size
1		TBOS Control Module	4 Station Capacity

Pipe (Lateral)

Quantity	Symbol	Description	Size
28 ft	———	200 PSI SDR 21 PVC Pipe	2"
158 ft	———	200 PSI SDR 21 PVC Pipe	1-1/4"
97 ft	———	200 PSI SDR 21 PVC Pipe	1"
177 ft	———	200 PSI SDR 21 PVC Pipe	3/4"
141 ft	———	200 PSI SDR 21 PVC Pipe	1-1/2"
28 ft	———	200 PSI SDR 21 PVC Pipe	2-1/2"

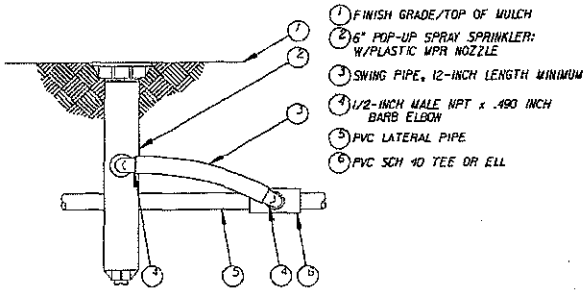
Valves

Quantity	Symbol	Description	Size
1		Electric Control Valve w/ Latching Solenoid	1-1/2"

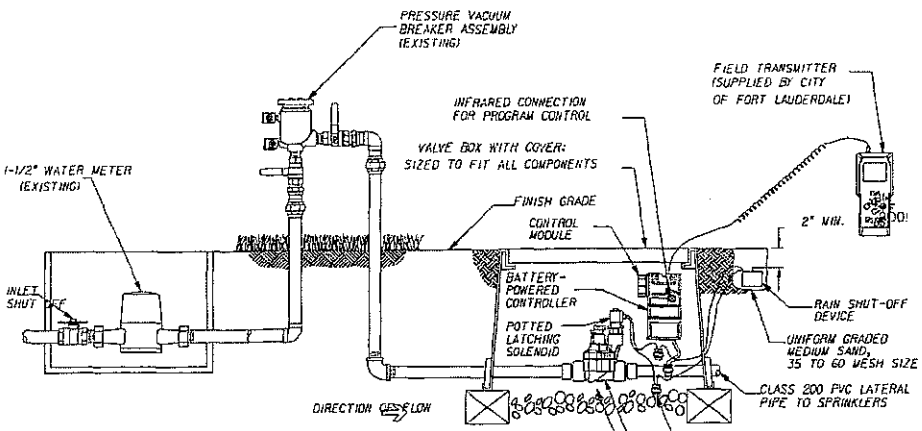
Water Meters (Existing)

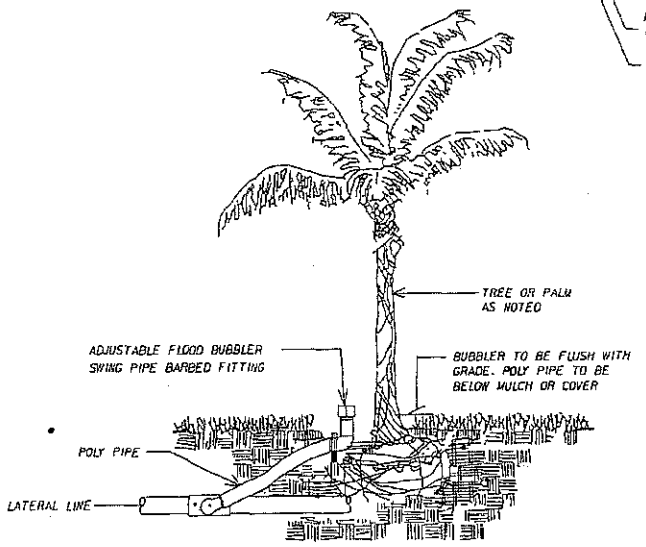
Quantity	Symbol	Description	Size
1	M	Water Meter	1-1/2"

NOTE: QUANTITIES GIVEN ARE FOR CONTRACTORS CONVENIENCE ONLY. THE ACCURACY IS NOT GUARANTEED. IT IS RECOMMENDED THAT ONE VERIFY ALL QUANTITIES.



POP-UP SPRAY SPRINKLER





FLOOD BUBBLER

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6A60-6.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

GEORGE G. GENTILE, FASLA LA0000530
Gentile Holloway O'Mahoney & Associates, Inc.
1907 COMMERCE LANE 561-575-9557
SUITE 101 561-575-5960 FAX
JUPITER, FL 33458 WWW.LANDSCAPE-ARCHITECTS.COM
CERTIFICATION OF AUTHORIZATION NO. LC0000177

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION DETAILS	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-19
SR A1A	BROWARD	416872-1-52-01		

7/7/2021 3:56:57 AM n:\0001.00_sr a1a\fin\416872\8520\irr\escape\detl\d02.dgn

SECTION NO: 86010, 86050, 81180, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT G

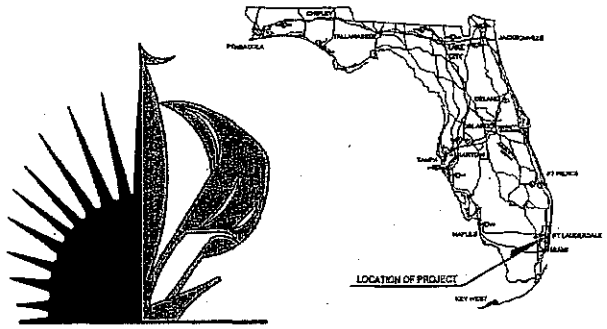
PENDING AGENCY PROJECT'S LANDSCAPE IMPROVEMENT PLANS

Just South of the S.R. A1A Southbound Spur (M.P.2.964 / Section 86180000)
North to S.R. 838 (sunrise Blvd. – M.P.3.334 / Section 86050000)

Please see attached plans by: City of Fort Lauderdale, Thomas White, ASLA

Dated: 7/11/07

DRAWING INDEX	
CO-1	COVER SHEET
L-1	LANDSCAPE PLAN
L-2	LANDSCAPE PLAN
L-3	LANDSCAPE PLAN
L-4	LANDSCAPE PLAN
L-5	LANDSCAPE PLAN
L-6	LANDSCAPE PLAN
L-7	LANDSCAPE PLAN
L-8	LANDSCAPE PLAN
L-9	LANDSCAPE PLAN
L-10	NOTES, PLANTING DETAILS, PLANT LIST
E-1	ELECTRICAL CONDUIT LAYOUT
E-2	ELECTRICAL CONDUIT LAYOUT
E-3	ELECTRICAL CONDUIT LAYOUT
E-4	ELECTRICAL CONDUIT LAYOUT
E-5	ELECTRICAL CONDUIT LAYOUT
E-6	ELECTRICAL CONDUIT LAYOUT
E-7	ELECTRICAL CONDUIT LAYOUT
E-8	ELECTRICAL CONDUIT LAYOUT
MOT-1	MOT PLAN



CITY OF FORT LAUDERDALE

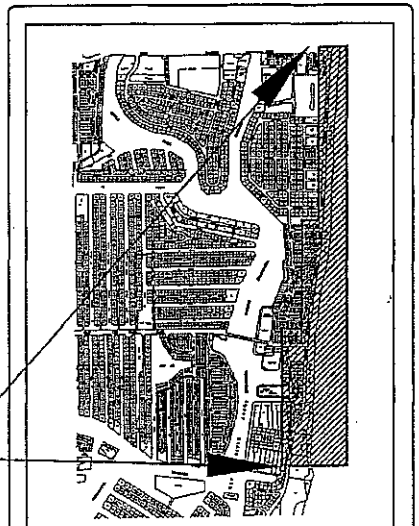
PROJECT #P10774
S.R. A1A MEDIANS BEAUTIFICATION
NEW LANDSCAPE

FROM JUST SOUTH OF THE S.R. A1A SOUTHBOUND SPUR (M.P. 2.964 / Section 86180000)
NORTH TO S.R. 838 (SUNRISE BLVD. - M.P. 3.334 / Section 86050000)
FORT LAUDERDALE, FLORIDA

PERMIT NO. 2007-L-491-0005
SECTION NO. 86050
STATE ROAD A.1.A.

Governing Standards and Specifications:
Florida Department of Transportation,
Design Standards, Dated January 2006
and Standard Specifications for Road
and Bridge Construction, Dated 2007,
as amended by Contract Documents.
http://www.dot.state.fl.us/specificationsoffice/*Specification_Development

DESIGN SPEED: 35 MPH



LOCATION SKETCH

PROJECT #P10774
A1A MEDIANS BEAUTIFICATION
NEW LANSCAPE
SOUTH OF A1A SUNRISE TO SEABREEZE BLVD. / A1A INTERSECTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

FORT LAUDERDALE CITY COMMISSION

JIM NAUGLE	MAYOR
CHRISTINE TEEL	COMMISSIONER - DISTRICT I
CHARLOTTE E. RODSTROM	COMMISSIONER - DISTRICT II
CARLTON MOORE	COMMISSIONER - DISTRICT III
CINDI HUTCHINSON	COMMISSIONER - DISTRICT IV

FRANK SNEDAKER — CHIEF ARCHITECT — (954) 828-6025
THOMAS VEITH A.S.L.A. — LANDSCAPE ARCHITECT — (954) 828-6027

DRAWN BY: F. Garcia	DATE: 6-1-2007
DESIGNED BY: T. White	SCALE:
CHECKED BY: T. White	
FIELD BOOK:	

REVISIONS				
NO.	DATE	BY	CHK'D	DESCRIPTION

SHEET NO. CO-1 OF
CAD FILE: P10774-C01-020COVR
DRAWING FILE NO. 4-130-89

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

L-1

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

LANDSCAPE PLAN

SCALE 1" = 30'-0"

NORTH

S. SEABREEZE BLVD.
(S.R. A1A)
S. ATLANTIC BLVD.
MATCHLINE A
KEEP RIGHT
KEEP LEFT (TYP.)
ALL MEDIAN WIDTH DIMENSIONS ARE TRAVEL LANE TO TRAVEL LANE
EXISTING CMP
EXISTING CMP
EXISTING CMP

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

L-2

LANDSCAPE PLAN

NORTH

SCALE: 1" = 30'-0"

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO DAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE
SHEET NO. L-3
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
LANDSCAPE PLAN
NORTH
SCALE 1" = 30'-0"
FEET
S.R. A1.A.
MATCHLINE C
MATCHLINE B
MATCHLINE D
ORANADA STREET
ALHAMBRA STREET
GENELLE STREET
460'-0"
EXISTING CORAL WALK
Existing 35' OA Coconut Palms
NORTHBOUND TO SOUTHBOUND U-TURN
DUAL-PAVILLY 1 OAL STOA.
12' CC.

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

L-4 | 10

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

LANDSCAPE PLAN

SCALE: 1" = 30'-0"

NORTH

S.R. A1.A.

S.R. A1.A.

S.R. A1.A.

BAYSHORE DRIVE

MATCHLINE E

MATCHLINE F

MATCHLINE E

MATCHLINE D

460'-2"

14'-8"

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

L-5

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

LANDSCAPE PLAN

SCALE: 1" = 30'-0"

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

L-6 | 10

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

LANDSCAPE PLAN

SCALE: 1" = 30'-0"

NORTH

SR. A1A.

SR. A1A.

SR. A1A.

SR. A1A.

MATCHLINE I

MATCHLINE H

MATCHLINE J

MATCHLINE I

ALHAMBRA STREET

TERRAMAR STREET

BELMAR STREET

TRAFFIC SIGNAL

460'-0"

460'-0"

14'-6"

14'-6"

14'-6"

13'-0"

13'-0"

13'-0"

12'10"

12'-11"

24'-0" (TYP.)

24'-0" (TYP.)

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

L-7 | 10

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

LANDSCAPE PLAN

SCALE 1" = 30'-0"

NORTH

MATCHLINE K

S.R. A1A.

S.R. A1A.

13'-0"

27'-0" (TYP.)

MATCHLINE J

VISTAMAR STREET

44'-0"

165'-0"

TRAFFIC SIGNAL

MATCHLINE L

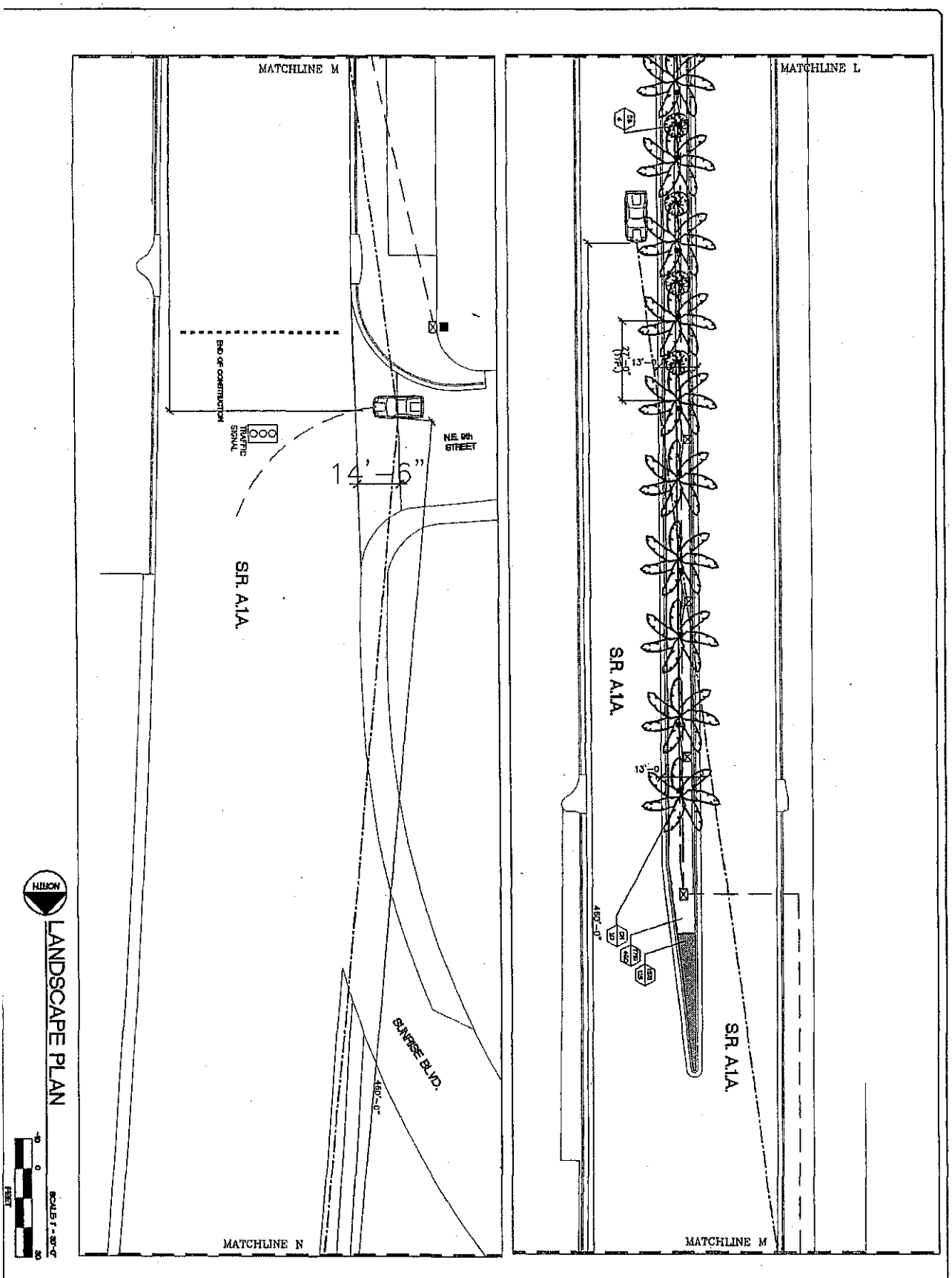
S.R. A1A.

S.R. A1A.

13'-0"

27'-0" (TYP.)

MATCHLINE K



NORTH

LANDSCAPE PLAN

FEET

SCALE 1" = 30'-0"

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE

SHEET NO. L-8 10

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION
1	7-(1)-07	TW	TW	
Dimensions	Updated			

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAWN BY: Fanny G
DATE: 6/14/2007
DESIGNED BY: Thomas W
SCALE:
CHECKED BY:
FIELD BOOK:

LANDSCAPE ARCHITECT: THOMAS WHITE, A.S.L.A.

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NEW MEDIAN LANDSCAPING
100 N. ANDREWS AVE., FORT LAUDERDALE
L-9
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
LANDSCAPE PLAN
NORTH
SCALE 1" = 30'-0"
FEET
SUNRISE BLVD.
S.R. A1A
I
BATCHLINE N

LANDSCAPE NOTES:

I. LANDSCAPE

A. GENERAL CONDITIONS AND REQUIREMENTS

1) WORK TO INCLUDE FURNISHING LABOR, MATERIALS, TOOLS AND EQUIPMENT, OBTAINING NECESSARY PERMITS, INSTALLING ALL MATERIALS NECESSARY TO COMPLETE IN A PLACE THE LANDSCAPING PLANS SHOWN ON THE PLANS AND AS NOTED SPECIFIED.

2) THE INSTALLATION SHALL STRICTLY WITH ALL REGULATIONS OF THE COUNTY AND THE STATE OF FLORIDA. ALL LICENSES, PERMITS AND INSPECTIONS REQUIRED SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR. AT COMPLETION OF THE WORK, THE CONTRACTOR WILL TRANSMIT ALL APPLICABLE CERTIFICATES OF INSPECTION TO THE OWNER OR AUTHORIZED REPRESENTATIVE.

3) THE CONTRACTOR AND THE LANDSCAPE SUBCONTRACTOR SHALL PROVIDE A QUALIFIED SUPERINTENDENT ON THE SITE AT ALL TIMES. THE FOREMAN SHALL BE WELL-VERSED IN READING AND UNDERSTANDING PLANS. THE LANDSCAPE FOREMAN SHALL BE KNOWLEDGEABLE ABOUT BOTANICAL PLANT MATERIALS AND ITS PROPER HANDLING. THE FOREMAN SHALL BE A FULLY AUTHORIZED AGENT OF THE CONTRACTOR, CAPABLE OF MAKING ON-SITE DECISIONS.

B. MATERIALS

1) PLANT MATERIAL - ALL SIZES SHOWN FOR PLANT MATERIALS ON THIS PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY SITUATION REQUIRING SIZES FOR SPECIFIC SHAPE OR EXPRESS AS NOTED ON THE PLAN WILL ALSO BE REQUIRED FOR ACCEPTANCE.

2) PLANT QUALITY - ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED, SHALL BE FLORIDA NO1 OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN THE GRADES AND STANDARDS FOR NURSERY PLANTS, PART I (LATEST EDITION, 1973) AND PART II (LATEST EDITION, 1975) BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND THE DIVISION SERVICES DIVISION OF SAE PLANT INDUSTRY.

3) PLANTS NOT LISTED IN GRADES AND STANDARDS FOR NURSERY PLANTS SHALL CONFORM TO THE FLORIDA STANDARDS SPECIFIED FOR PLANTS LISTED WITH SIMILAR GROWTH HABITS. THE PLANT STANDARDS TO BE USED INCLUDE FREEDOM FROM DISEASE, MECHANICAL DAMAGE, VOLUME CONDITION, TRUNK AND BRANCHING HABIT, AND ROOT CONDITION.

4) BALLED AND BURLAPPED (B&B) PLANTS SHALL BE HANDLED BY THE ROOTBALLS ONLY. PLANTS WITH CRACKED OR LOOSE ROOTBALLS WILL NOT BE ACCEPTED. ROOTBALLS ARE TO BE A SIZE NORMAL TO GOOD NURSERY PRACTICE. BODY SYSTEMS SHALL BE WELL-ANCHORED AND FIBROUS.

5) CONTAINER GROWN PLANTS SHALL BE WELL-ROOTED. PLANTS THAT ARE ROOTBOUND OR ARE DISPROPORTIONATELY LARGE FOR THE CONTAINER SIZE WILL NOT BE ACCEPTED.

6) PLANTS GROWN IN PLANTS SHALL BE WELL-ROOTED AND HEALTHY ROOTSYSTEMS.

7) ROOT PRUNING - PLANTS SHALL BE ROOTPRUNED OR PREPARED, AS NECESSARY TO AVOID TRANSPLANTING CAUSED SHRINKAGE OR DEFORMATION IN EXCESS OF TWENTY-FIVE PERCENT UNLESS ATTRIBUTED TO EXCEPTIONAL CIRCUMSTANCES. PLANTS EXHIBITING THESE CHARACTERISTICS WILL BE REJECTED AT THE REQUEST OF THE OWNER, OR AUTHORIZED REPRESENTATIVE.

8) MULCH - ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER, AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS PART II.

USE SAND (OTHERWISE SPECIFIED), ALL NON-ANIMAL, NON-TOXIC SOLID MATERIAL SUITABLE FOR MULCHING (NOT WATER-BORNE) OR SHREDDED BARK MULCH. NO LARGE WOOD CHUNKS OR CHIPS, SHALL BE ACCEPTABLE. NO FOREIGN OR ANIMAL MATERIAL SHALL BE ACCEPTABLE. REMOVE ALL DEAD BRANCHES AND TWIGS FROM TREES MORE THAN ONE-INCH DIAMETER AT POINT WHERE THEY ORIGINATE. DO NOT PAINT OR SEAL TREE WOUNDS. ALL WOUNDS SHALL HEAL AS BEST POSSIBLE UNDER FLORIDA DEPARTMENT OF AGRICULTURE'S GRADES AND STANDARDS FOR NURSERY PLANTS. ANY NOTES ON PLANS FOR PLANTS TO BE RELOCATED ON-SITE.

9) SUBSTITUTIONS - SUBSTITUTIONS OF PLANT TYPE OR SIZE WILL NOT BE ACCEPTED UNLESS SUBSTANTIAL DOCUMENTATION IS SUBMITTED SHOWING THE UNAVAILABILITY OF THE SPECIFIED PLANT TYPE OR SIZE.

10) PLANTING SOIL - ALL PLANT MATERIAL INSTALLED SHALL BE PLANTED WITH TOPSOIL THAT IS CLEAN AND REASONABLY FREE OF CONSTRUCTION DEBRIS, WEEDS, VARIOUS WEED PARTS, ROOTS, BRANCHES, AND PARTICLES. THE TOPSOIL IS TO BE AMENDED WITH FIFTY PERCENT MUCK. THE MUCK IS TO BE FREE OF EXCESS CHLORIDE AND HAVE A LIGHT ACID REACTION (6.5 TO 6.8 PH).

11) MULCH - ALL MULCH SHALL BE FLORIMULCH RECYCLED MULCH OR EQUAL AS APPROVED BY OWNER OR AFTERWARDS.

C. INSTALLATION

1) PLANTING AREAS - THE PLANTING AREAS SHALL BE PREPARED SO AS TO PROVIDE FAVORABLE CONDITIONS FOR GOOD PLANT GROWTH. THE CONTRACTOR SHALL REMOVE IN LIMITING ANY CONTAMINANTS DISCOVERED IN A PLANTING BED, THAT SHALL HAVE A NEGATIVE IMPACT UPON THE PLANTS TO THE OWNER, OR HIS AGENT, PRIOR TO PLANTING IN SUCH A CONTAMINATED PLANTING BED.

2) FERTILIZER - TREES AND SHRUBS SHALL BE FERTILIZED WITH SLOW RELEASE GRANULAR FERTILIZER TABLETS WITH A MINIMUM ANALYSIS OF FIFTEEN PERCENT NITROGEN, TEN PERCENT PHOSPHORUS AND TEN PERCENT POTASSIUM. ANALYSIS AS THE APPLICATION RATES AS FOLLOWS:

CONTAINER SIZE:	APPLICATION RATE:
1 GALLON	1 TABLET
3 GALLON	2 TABLETS
5 GALLON	3 TABLETS
7 GALLON	4 TABLETS

B&B SHRUB AND SHRUBS AT LARGE CONTAINERS	1 TABLET FOR EACH ONE FOOT OF HEIGHT
TREES	1 TABLET FOR EACH 1/2 INCH OF TRUNK DIAMETER MEASURED AT ABOVE FINISHED GRADE

FERTILIZE GROUNDCOVER AREAS WITH AN EQUAL ANALYSIS OF GRANULAR FERTILIZER SUCH AS 6-6-6 AND THE NITROGEN DERIVED FROM UNIFORM FORM ELEMENTS SHALL INCLUDE IRON, ZINC AND MANGANESE. INCORPORATE INTO THE TOP SOILS OR MIXTURE OF SOIL AT THE RATE PRESCRIBED BY THE MANUFACTURER FOR NEW PLANT BEDS.

PALMS SHALL BE FERTILIZED WITH A MINIMUM FIFTY PERCENT ORGANIC FERTILIZER CONTAINING NITROGEN, PHOSPHORUS AND POTASSIUM AS MICRO ELEMENTS AND CONTAINING MICRO ELEMENTS INCLUDING IRON, MANGANESE, MAGNESIUM AND ZINC. APPLICATION SHALL BE ACCORDING TO MANUFACTURERS SPECIFICATIONS.

AREAS TO BE SODDED SHALL BE FERTILIZED WITH A FIFTY PERCENT ORGANIC 6-6-6 NITROGEN, PHOSPHORUS AND POTASSIUM ANALYSIS FERTILIZER WITH IRON, MANGANESE AND MAGNESIUM AS MICRO ELEMENTS. APPLICATION SHALL BE AT THE RATE OF ONE POUND OF ACTUAL NITROGEN PER ONE THOUSAND SQUARE FEET AND SHALL BE FULLY INCORPORATED INTO THE TOP TWO INCHES OF SOIL.

3) MULCH - ALL TREES IN SOD AREAS ARE TO HAVE A THREE INCH RING COVERED WITH A TWO INCH LAYER OF PINE BARK MULCH. COVER ALL SHRUB BEDS WITH A TWO INCH LAYER OF FLORIMULCH MULCH. MULCH PLANTS WITHIN TWENTY-FOUR HOURS OF PLANTING.

4) WATERING - HAND WATERING SHALL BE DONE AS NEEDED TO KEEP THE PLANT MOIST NAMELY AND PLANTING SOIL IMPORTANT TO MAINTAIN A HEALTHY GROWING CONDITION UNTIL FINAL JOB ACCEPTANCE BY THE OWNER OR AUTHORIZED REPRESENTATIVE. ANY PLANTS WITH ROOT FRAMES THAT DRY OUT WILL NOT BE ACCEPTABLE.

5) SODDING - PLACE ST. AUGUSTINE TURFGRASS SOLID SOD IN ALL AREAS NOT COVERED WITH PLANT MATERIAL OR MULCH AS NOTED ON THE PLANS. THE SOD AND SOD BED SHALL BE FRIENDLY AT TIME OF INSTALLATION.

THE SOD SHALL BE TIGHTLY MATCHED AND EVENLY CUT. THE SOD SHALL BE STRONG ENOUGH SO IT RETAINS ITS SHAPE WHEN HANDLED BY THE TOP GRASS BLADES. THE SOD PIECES SHALL BE 4 INCHES BY 4 INCHES. THE SOD BED IS TO BE WELL GRADED AND EVEN. THE SOD SHALL BE LAID BY HAND SO THERE ARE NO GAPS OR WIDE BETWEEN PIECES. STAGGER THE SOD PIECES BETWEEN ROWS. ON SLOPES THE SOD SHALL RUN 'IN' TO THE SLOPE DIRECTION, ROLL OR HAND TAMP THE SOD IMMEDIATELY AFTER INSTALLATION AND COMPLETE WATERING. THE SOD LEVEL SHALL BE NOT SO WATERLOGGED THAT ADJACENT SURFACE IS NOT EXPOSED. MAINTENANCE OF THE SOD SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTION UNTIL ACCEPTANCE BY THE OWNER OR AUTHORIZED REPRESENTATIVE. MOWING SHALL BE DONE OFTEN ENOUGH SO NO MORE THAN ONE-THIRD THE HEIGHT OF THE GRASS BLADE IS REMOVED. THE SOD SHALL BE ALL WATERED FREE OF WEEDS AND PESTS THAT AFFECT ITS UNIFORM APPEARANCE FOR WHICH DATE. SOD LABEL AT PALM GRADE, TREE ROOTS AND PARTICLES SHALL BE CUT EVEN AND SHARP.

6) TREE GUYING - ALL SINGLE STEM TREES SHALL BE ADEQUATELY GUYED AND STAKED AT TIME OF PLANTING USING THREE 1 3/4" POLACTIC WELL PAINTED 1x2" STAKES AND SIT BIT WIRE SHIELDED PAINTED BRACE, RATED A MINIMUM OF ONE 60 X 1 INCH PLASTIC FLAGGING HAZARDY 3/4" EACH GUY TIME.

TREE WITH HALE IN THEIR TRUNKS OR TREES WITH OTHER MECHANICAL TRUNK DAMAGE WILL NOT BE ACCEPTABLE.

7) PLANTING - REMOVE THE EXCAVATED MATERIAL FROM THE PLANTING AREAS AND REPLACE WITH PLANTING SOIL. ADD PLANTING AREAS ARE TO HAVE A CONTINUOUS TOP INCHES DEPTH OF PLANTING SOIL. BROADCAST/OVER PLANTING AREAS ARE TO BE EXCAVATED TO A DEPTH OF SIX INCHES. PLANTING AREAS ARE TO BE EXCAVATED SIX INCHES DEEPER THAN THE ROOT DEPTH AND SIX INCHES WIDER IN RADIUS, THAN THE LARGER PLANTING SIX INCHES WIDER THAN THE ROOT DEPTH AND SIX INCHES WIDER ON EACH SIDE OF THE PLANTS.

EXCAVATE ALL TREE PLANTING HOLES TWELVE INCHES DEEPER THAN THE ROOTBALL DEPTH. LOOSEN THE BOTTOM OF THE HOLE AND BACKFILL TO ENSURE THE REQUIRED HOLE DEPTH. TREES WITH ROOTBALLS TWO FEET IN DIAMETER OR LESS SHALL BE PLANTED IN HOLES AT LEAST ONE FOOT DIAMETER IN RADIUS. TREES WITH ROOTBALLS LARGER THAN TWO FEET AND LESS THAN FOUR FEET IN DIAMETER SHALL BE PLANTED IN HOLES EXHIBITED MORE THAN IN RADIUS.

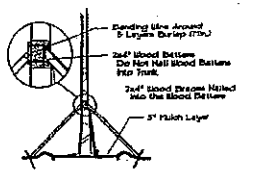
SET PLANTS ON A FIRM WELL CONTACTED BASE IN A STRAIGHT UPRIGHT POSITION AT THE SAME DEPTH AS BEFORE TRANSPLANTING SO THE TOP OF THE ROOTBALL IS EQUAL TO THE LEVEL OF THE SURROUNDING FINISHED GRADE. BEGIN BACKFILLING AROUND THE PLANTS, SAFE AND WATER IN THE TOP SOIL TO ELIMINATED AIR POCKETS. RELEVEL AND FILL ANY AREAS THAT SETTLE AFTER COMPLETION OF THE JOB. THE OWNER OR AUTHORIZED REPRESENTATIVE WILL REQUIRE PLANTS BE REMOVED IF NOT SET PROPERLY.

8) PRUNING - ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH STANDARDS NOT HIGHER BY THE NATIONAL ARBORIST SOCIETY OF AGRICULTURE. LIMIT PRUNING TO REMOVAL ON DAY-USE STEMS. PRUNING BACK TO THE PLANT'S NATURAL HABIT TO CONTROL/MAINTAIN ROOTS LOST IN TRANSPLANTING. NO PRUNING SHALL BE DONE TO ADVERSELY AFFECT THE NATURAL HABIT OR SHAPE OF PLANTS UNLESS OTHERWISE SPECIFIED. ROOTS THAT ARE EXPOSED OR DAMAGED SHALL BE CUT CLEANLY. THE OWNER OR AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO REQUIRE ADDITIONAL PRUNING FOR AESTHETIC OR OTHER REASONS.

D. FINAL COMPLETION - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING THE JOB SITE FREE OF ALL CONSTRUCTION DEBRIS AND IN AN ORDERLY STATE. CLEAN ALL PAVED AREAS SUCH AS SIDEWALKS OF DIRT, TRASH AND OTHER DEBRIS. SWEEPING OF PLANT BEDS, TYPINGS OF MULCH, ETC. ARE TO BE DISPOSED OF OFF WILL AND BORE UNITS. THE JOB IS COMPLETE AND ACCEPTED BY THE OWNER OR AUTHORIZED REPRESENTATIVE UNTIL FINAL ACCEPTANCE. THE PLANT MATERIALS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

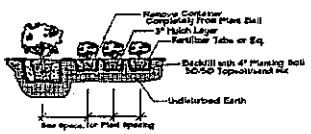
E. GUARANTEE - ALL PLANT MATERIAL AND SOME SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL JOB ACCEPTANCE. DURING THIS TIME, ANY DEAD OR DEFECTIVE PLANT MATERIAL THAT DIES, OR IS IN AN UNHEALTHY CONDITION SHALL BE REPLACED WITH THE SAME PLANT TYPE AT LEAST EQUAL TO THE SIZE AND QUALITY ORIGINALLY SPECIFIED. THIS REPLACEMENT MATERIAL SHALL ALSO BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ITS INSTALLATION. THE GUARANTEE WILL BE NULL AND VOID IF PLANT MATERIAL IS DAMAGED OR KILLED BY LIGHTNING, HURRICANE FORCE WINDS, HAIL, OR FREEZE.

F. ENCOUNTER SUITABLE MATERIAL - UPON DIRECTION OF THE OWNER OR AUTHORIZED REPRESENTATIVE, ALL VEGETATION, DEBRIS, CONCRETE, OR OTHER UNSUITABLE MATERIALS SHALL BE DISPOSED IN A SUITABLE MANNER BY THE CONTRACTOR.



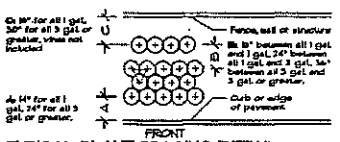
TREE/PALM BRACING DETAIL

NTS



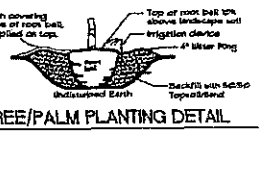
SHRUB PLANTING DETAIL

NTS



TYPICAL PLANT SPACING DETAIL

NTS



TREE/PALM PLANTING DETAIL

NTS

The Local Media shall be contacted one week prior to any lane closures on State Road A1A during peak hours or over the span of more than one day.
Contact Barbara Kelleher; FDOT Public Information Office or 954-777-4090.
for guidance of who to contact.
Provide a copy of the press release to:
Florida Department of Transportation
Public Information Office
3400 West Commercial Blvd.
Fort Lauderdale, Florida 33309

NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES. CARE SHOULD BE TAKEN NOT TO DISTURB OR DAMAGE ANY UTILITIES. ANY DAMAGE TO THESE FACILITIES WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR IN A MANNER APPROVED BY THE OWNERS REPRESENTATIVE. WHERE UNDERGROUND CONSTRUCTION OR OBSTRUCTIONS WILL NOT PERMIT THE INSTALLATION PER PLANS, NEW LOCATIONS FOR THE PLANT MATERIAL WILL BE DESIGNATED BY THE LANDSCAPE ARCHITECT.

TREE LOCATIONS ARE TO BE STAKED IN THE FIELD PRIOR TO INSTALLATION. LOCATIONS ARE SCHEMATIC AND MAY REQUIRE ADJUSTMENT IN EVENT OF CONFLICTS WITH UTILITIES, EXISTING PLANT MATERIAL, ETC. LANDSCAPE ARCHITECT TO APPROVE FINAL LOCATIONS PRIOR TO PLANTING.

ALL PLANT MATERIAL TO BE GRADE 1 OR BETTER. ALL PLANT MATERIAL DESIGNATED SPECIMEN SHALL BE FLORIDA RANKY AS DESIGNATED IN "GRADES AND STANDARDS FOR NURSERY PLANTS", STATE PLANT BOARD OF FLORIDA.

ALL TREES AND PALMS TO BE THOROUGHLY GUYED IN AT PLANTING. TREES AND PALMS SHALL BE STAKED TO ASSURE PROPER ALIGNMENT AND STABILITY.

PALM HEIGHTS ARE APPROXIMATE. USE SPECIFIED HEIGHTS AS GUIDES TO ACHIEVE PROPER STAGGER IF EXACT HEIGHT IS NOT AVAILABLE.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES FOR MATERIAL SHOWN ON DRAWING PRIOR TO SUBMITTING BID. PLANTING PLAN TO TAKE PRECEDENCE OVER PLANT LIST. FINAL SOD, MULCH AND TOPSOIL QUANTITIES ARE TO BE MADE BY THE CONTRACTOR.

PLANT LIST

Code		Drought	QTY.	Botanical Name / Common Name	Specifications
PROPOSED TREES / PALMS					
CN		V		90 Cocos nucifera / Green Malayan Coconut Palm	B&B Field Grown, 25' OA, < or Equal to 11" Caliper Measured 6" Above Grade
CS	(N)	V		52 Conocarpus erectus sericeus / Silver Buttonwood	B&B Field Grown, 8-8a5-6', 2" Cal. DBH, Multi Trunked
ACCENTS / SHRUBS					
CAW	(N)	V		91 Crinum asiaticum / White Crinum Lily	7 Gal., 30" OA
CES	(N)	V		140 Conocarpus erectus sericeus / Silver Buttonwood	3 Gal., 24" OA, 2' OC
CUS	(N)	V		158 Coccoloba uvifera / Seagrape	3 Gal., 30" OA, 3' OC
FMG		V		5248 Ficus microcarpa / Green Island Ficus	3 Gal., 15" Spr., 2' OC
HDB	(N)	V		5017 Helianthus debilis / Beach Sunflower	1 Gal., 10" OA
			[N]	Florida Native Plant Species	
			V	Very Drought Tolerant	

FDOT STANDARD NOTES

All materials and construction within the FDOT right-of-way shall conform to the FDOT Roadway and Traffic Design Standards (2006 Edition), Standard Specifications (2007 Edition), and the supplements thereto.

The applicant's engineer responsible for construction inspection shall insure that the maintenance of traffic (MOT) for the project is in accordance with the applicable FDOT Index numbers (600 series) and these documents: The Manual on Uniform Traffic Control Devices for Streets and Highways (U.S. Department of Transportation, FHWA).

At the end of each work period, any drop-off in the area adjacent to the travel way of the State Road shall be backfilled in accordance with Standard Index 600 or shall be otherwise protected with temporary barrier wall at the contractor's expense.

If the permitted work is on a roadway that has been selected as a hurricane or disaster evacuation route, the applicant, at the pre-construction conference is required to present, as part of the work plan, an emergency functional restoration plan to address evacuation/time such as hurricanes.

The contractor must call the appropriate county traffic engineering division, having jurisdiction over the project at least 48 hours, before any excavation within the FDOT right-of-way to determine the location of the existing traffic signal interconnect cable.

The location of existing utilities shown is approximate only. The contractor shall determine the exact location during construction. Relocation of utilities shall be coordinated with utility companies after identification of conflict by contractor. Contractor will notify engineer in advance before any relocation.

Before permit approval and construction of this project, the applicant must contact the Florida Department of Transportation Local Maintenance Office to schedule a pre-construction meeting. The telephone number is 954-776-4300 or 1-800-300-8236.

The applicant at the earliest convenient time shall notify in writing all right-of-way users affected by the construction of this project.

All MOT lane closure signs shall be covered when lanes are not closed. No lanes are to be closed except at times prescribed by the Department.

Sodding shall be in accordance with section 575

FLAGGERS MUST BE PRESENT DURING THE INGRESS AND EGRESS OF CONSTRUCTION VEHICLES TO AND FROM THE PROJECT SITE. WARNING SIGNS MUST BE ERECTED ADVISING MOTORIST OF TRUCKS ENTERING THE HIGHWAY.

NOTES, PLANTING DETAILS, PLANT LIST

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	DESCRIPTION	BY
1	4-11-07		

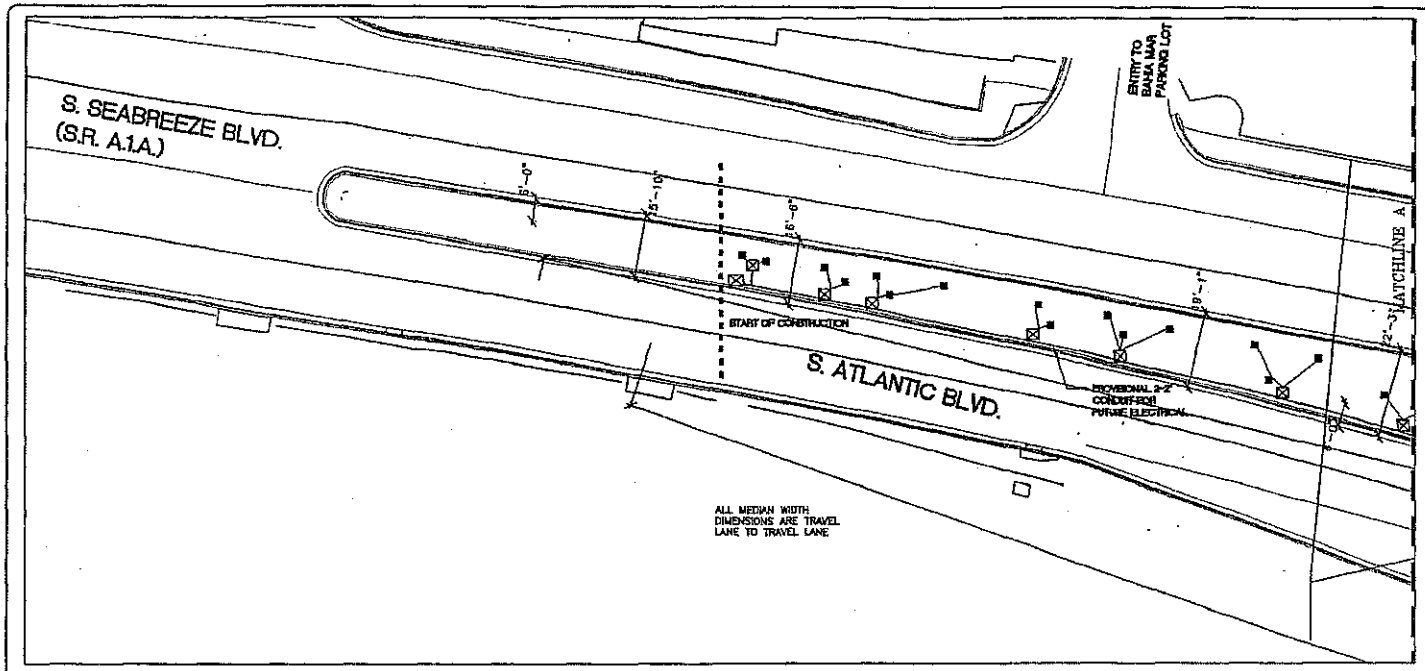
PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
NOTES, PLANTING DETAILS, PLANT LIST
100 N. ANDREWS AVE., FORT LAUDERDALE

SHEET NO. L-10 OF 10

CAD FILE: P10774-L10-020LAND

DRAWING FILE NO. 4-130-08

CAM 21-0260
Exhibit 3
Page 62 of 73



NOTES:

No Open Cuts in the Pavement Directional Boring Only.
All Directional Bores will be 2-2" Conduit (One Spare).

All Conduit shall be Installed with a Minimum of 30" Depth.

All Construction and Restoration shall be done according to FDOT latest Construction Standards and Specifications.

All Conduit shall be Sch 40 PVC.

All Pull Boxes shall be Pedestrian Traffic / Moulded Pull Boxes, Size as Needed.

Existing Electrical Amps will increase from 50 Amps to 200 Amps.

This Conduit will not be used for Future Roadway Lighting.

SYMBOLS:

- ⊠ Pull Boxes.
- ■ Electrical Boxes.
- ——— Sch 40 PVC Conduit. Main Run = 2", Feeder Runs = 1".

NORTH

ELECTRICAL CONDUIT LAYOUT

SCALE 1" = 30'-0"

-60 0 60

FEET

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD. TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE

SHEET NO. E-1 OF 8

TOTAL 16

CAD FILE: P10774-ED1-020ELEC

DRAWING FILE NO. 4-130-98

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE
E-2
8
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida, 33301
ELECTRICAL CONDUIT LAYOUT
SCALE: 1"=30'-0"
NORTH
FEET
S. SEABREEZE BLVD. (S.R. A1A)
S. ATLANTIC BLVD. (S.R. A1A)
SOUTHBOUND TO NORTHBOUND U-TURN
FUTURE LIGHT
FUTURE RECEPTACLE
460'-0"

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE
E-3
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
ELECTRICAL CONDUIT LAYOUT
SCALE: 1" = 30'-0"
NORTH
S.R. A1A.
MATCHLINE C
MATCHLINE D
ALHAMBRA STREET
GRANADA STREET
BEVILLE STREET
460'-0"
PROVISIONAL 2" CONDUIT FOR FUTURE ELECTRICAL
DIRECTIONAL BORE 2"C WITH PULL BOXES TO BE INSTALLED
INTERCEPT EXISTING 2" CONDUIT, ADD PULL BOX
EXIST. ELECT. PANEL (MAY BE) MOVED
4 #6 + 1 #6 BARE EQUIPMENT GROUND
PROVISIONAL 3-2" CONDUIT FOR FUTURE ELECTRICAL
6'-0" FACE OF CURB SET BACK LINE
MATCHLINE D
MATCHLINE C

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE
E-4
8
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
REVISIONS
ELECTRICAL CONDUIT LAYOUT
SCALE 1" = 50'-0"
NORTH
FEET
MATCHLINE E
MATCHLINE D
MATCHLINE F
S.R. A1A.
DIRECTIONAL BORE 2-2" C WITH PULL BOXES TO BE INSTALLED
PROVIDE 2-2" CONDUIT FOR FUTURE ELECTRICAL
EXISTING PULL BOX
FUTURE RECEPTACLE BOX, APPROX. 64' O.C. TYP.
BAYSHORE DRIVE

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE
E-5
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
ELECTRICAL CONDUIT LAYOUT
SCALE: 1" = 30'-0"
NORTH
MATCHLINE G
MATCHLINE H
MATCHLINE F
MATCHLINE G
S.R. A1.A.
S.R. A1.A.
S.R. A1.A.
VIRGINIA STREET
VIRGINIA STREET
ROANOKE STREET
ROANOKE STREET
DIRECTIONAL BORE 2-2" C WITH PULL BOXES TO BE INSTALLED
FUTURE LIGHT FIXTURE AT EVERY PALM
PROVISIONAL 2" CONDUIT FOR FUTURE ELECTRICAL
FUTURE RECEPTACLE BOX WITHOUT 6# CU. TYP.
TRAFFIC SIGNAL
EXISTING ELECTRIC
27'-0" (TYP.)
13'-0"
14'-6"
FUTURE LIGHT FIXTURE AT EVERY PALM (TYP.)

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE

SHEET NO. E-6 OF 8

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ELECTRICAL CONDUIT LAYOUT

SCALE 1" = 30'-0"

NORTH

FEET

S.R. A1.A.

ALEXANDRA STREET

TERRAMAR STREET

BELMAR STREET

MATCHLINE H

MATCHLINE I

MATCHLINE J

FUTURE LIGHT FIXTURE AT EVERY PALM

PROVIDE 2-2" CONDUIT FOR FUTURE ELECTRICAL

FUTURE RECEPTACLE BOX APPROX. 64' O.C. TYP.

DIRECTIONAL BORE 2-2" C WITH PULL BOXES TO BE INSTALLED

TRAFFIC SIGNAL

EXIST. ELECT. PANEL 60A 120 / 240V 1Ø

13'-0"

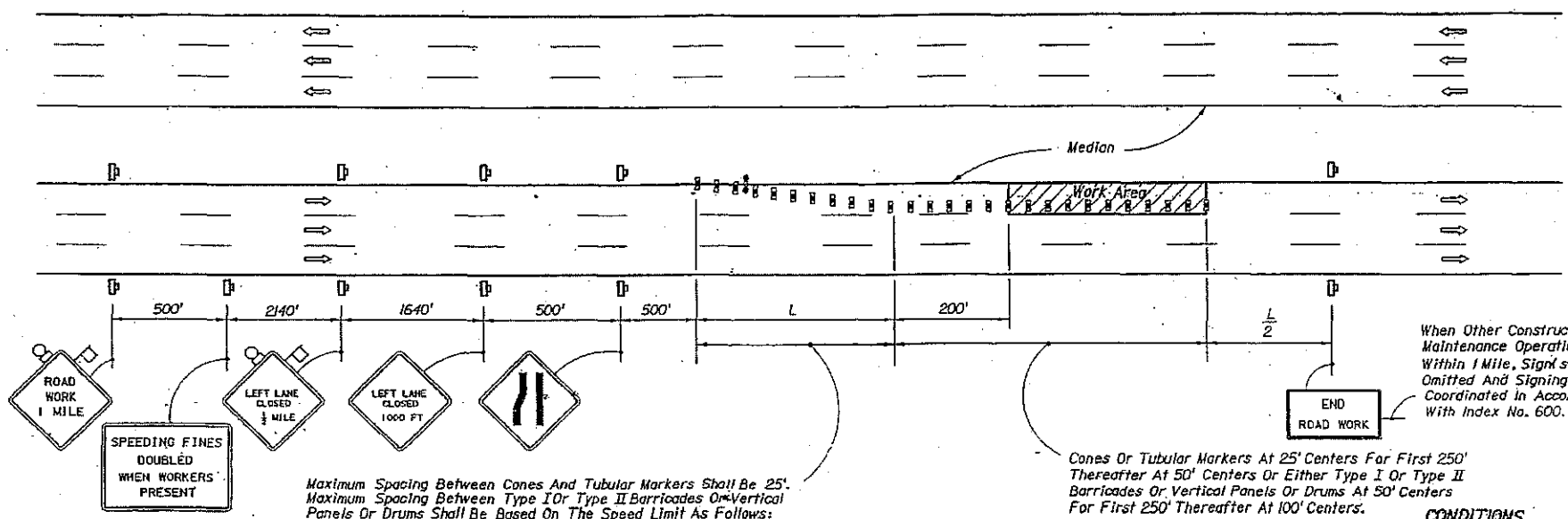
27'-6" (TYP.)

12'-10"

12'-11"

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE
E-7
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
ELECTRICAL CONDUIT LAYOUT
SCALE 1"=30'-0"
NORTH
FEET
MATCHLINE K
MATCHLINE L
MATCHLINE J
S.R. A1A.
S.R. A.1A.
PROVISIONAL 2" CONDUIT FOR FUTURE ELECTRICAL
FUTURE LIGHT FIXTURE AT EVERY POLE
FUTURE RECEPTACLE BOX APPROX. 84' C.C. TYP.
TRAFFIC SIGNAL
VISTAMAR STREET
13'-0"
27'-0" (TYP.)

PROJECT # P10774
A1A MEDIANS SOUTH OF SUNRISE BLVD.
TO BAYSHORE DRIVE
MEDIAN ELECTRICAL CONDUIT LAYOUT
100 N. ANDREWS AVE., FORT LAUDERDALE
E-8
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301
ELECTRICAL CONDUIT LAYOUT
SCALE 1" = 80'-0"
NORTH
MATCHLINE M
MATCHLINE N
MATCHLINE L
MATCHLINE M
S.R. A1A.
SUNRISE BLVD.
NE 9th STREET
END OF CONSTRUCTION
TRAFFIC SIGNAL
EXISTING 2 RD + 1 RDSD-D2
460'-0"
13'-0"
27'-0" (TYP.)
FUTURE LIGHT FIXTURE AT EVERY PULL
PROVISIONAL 2-2" CONDUIT FOR FUTURE ELECTRICAL
FUTURE RECEPTACLE BOX APPROX. 64' O.C. TYP.
EMRT ELECT. PANEL SEE E-1 AND E-2 FOR MOREARE TO XXX



Maximum Spacing Between Cones And Tubular Markers Shall Be 25'. Maximum Spacing Between Type I Or Type II Barricades Or Vertical Panels Or Drums Shall Be Based On The Speed Limit As Follows: 15' Up To 25 MPH; 30' For 30-40 MPH; 50' For 45 MPH And Greater.

Cones Or Tubular Markers At 25' Centers For First 250' Thereafter At 50' Centers Or Either Type I Or Type II Barricades Or Vertical Panels Or Drums At 50' Centers For First 250' Thereafter At 100' Centers.

When Other Construction Or Maintenance Operations Occur Within 1 Mile, Sign(s) To Be Omitted And Signing To Be Coordinated In Accordance With Index No. 600.

SYMBOLS

- Work Area
- Sign With 18" x 18" (Min.) Orange Flag And Type B Light
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only). (Tubular Markers May Be Used During Daylight Only. Cones May Be Used - See Index No. 600.)
- Work Zone Sign
- Advance Warning Arrow Panel

GENERAL NOTES

1. All vehicles, equipment, workers and their activities are restricted at all times to one side of the highway.
2. The first two warning signs, each side, shall have an 18" x 18" (min.) orange flag and a Type B light attached and operating at all times.
   Mesh signs may be used for (Daylight Only) operations Type B Lights and Orange Flags are not required.
3. All signs shall be post mounted if closure time exceeds 12 hours.
4. L (min.) = WS for speeds ≥ 45 mph
   = $\frac{WS^2}{60}$ for speeds ≤ 40 mph
   Where:
   W = Width of lateral transition in feet
   S = Posted speed limit (mph).
5. The LEFT LANE CLOSED and lane reduction signs are to be removed or fully covered when no work is being performed and the inside lane is open to traffic.
6. Advance warning arrow panels are required for both day and night operation. Either the right flashing arrow or the right sequential arrow modes may be used; the caution mode shall not be used.
7. Arrows denote direction of traffic only and do not reflect pavement marking.
8. Longitudinal dimensions are to be adjusted to fit field conditions. See Index No. 600.
9. When a side road intersects the highway on which work is being performed additional traffic control devices shall be erected in accordance with other applicable TCZ Indexes.
10. For work performed in the outside lane refer to Index Nos. 612 and 613. For work performed in the center lane refer to Index No. 616.
11. For general TCZ requirements and additional information refer to Index No. 600.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON ANY PORTION OF THE INSIDE LANE OF A MULTILANE HIGHWAY.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL THROUGH WORK ZONES

MULTILANE DIVIDED • RURAL

	Names	Dates
Designed By		12/97
Drawn By		12/97
Checked By		12/97

Approved By: Assistant Design Engineer

Revision	Sheet No.	Index No.
04	1 of 1	617

MOT-1

SECTION NO: 86010, 86050, 81180, 86180
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
WPI NO.(S): 4110739, 4110882

EXHIBIT H

PENDING DEPARTMENT PROJECT'S COST ESTIMATE

Dated: 7/3/07

$ 34,266.48

See Attached

Pay Item No.	Construction Item	Units	Quantity	Unit Cost	Total Cost
570-1-2	Performance Turf (ST. Augustine 'Floritam')	SY	773.00	$3.50	$2,705.50
Landscape Complete (Small Plants)					
580-1-1	Sea Oxeye Daisy	EA	450	$10.00	$4,500.00
580-1-1	Beach Sunflower	EA	100	$10.00	$1,000.00
SUBTOTAL					$5,500.00
Landscape Complete (Large Plants)					
580-1-2	Live Oak	EA	4	$1,000.00	$4,000.00
580-1-2	Sabal Palm	EA	28	$200.00	$5,600.00
580-1-2	Montgomery Palm	EA	18	$500.00	$9,000.00
580-1-2	Ligustrum	EA	8	$500.00	$4,000.00
SUBTOTAL					$22,600.00
590-70	Irrigation System	LS	1	$3,460.98	$3,460.98
TOTAL ESTIMATED CONSTRUCTION COST					$34,266.48

Opinion of Probable Construction Costs
S.R. A-1-A (Ocean Blvd.)
Median Landscape and Irrigation Plans
FPID No. 416872-1-52-01
Project Limits: From 18th Street to Oakland Park Blvd.
City of Ft. Lauderdale, Florida
Date: June 29, 2007