

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**.

WITNESSETH:

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 than 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

State of Florida Department of Transportation
3400 West Commercial Blvd.

Fort Lauderdale, Florida 33309-3421

Attention: Elisabeth A. Hassett, R.L.A.

FDOT District IV Landscape Architect

If to the Agency:

City of Fort Lauderdale

1350 W. Broward Blvd.

Fort Lauderdale, Florida 33312

Attention: Philip Thornburg

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

WITNESSES:

Safaa B. Ali
Safaa B. Ali

Print Name

H. Splendradal

Hatema Skovndradal

Print Name

(SEAL)

CITY OF FORT LAUDERDALE,
a municipal corporation

By

IM NAUGLE Mayor

By

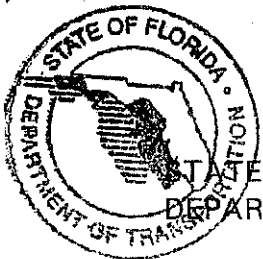
George Gretsas
GEORGE GRETSAS, City Manager

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 Ottiler

Interim Transportation Development Director

1/31/08

Date

Attest:

Maria L. Lutz

(SEAL)

Executive Secretary

Approval as to Form

Dawn Radwan

District General Counsel

1/31/2008

Date

**SECTION NO: 86010, 81180
86050, 86180**
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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



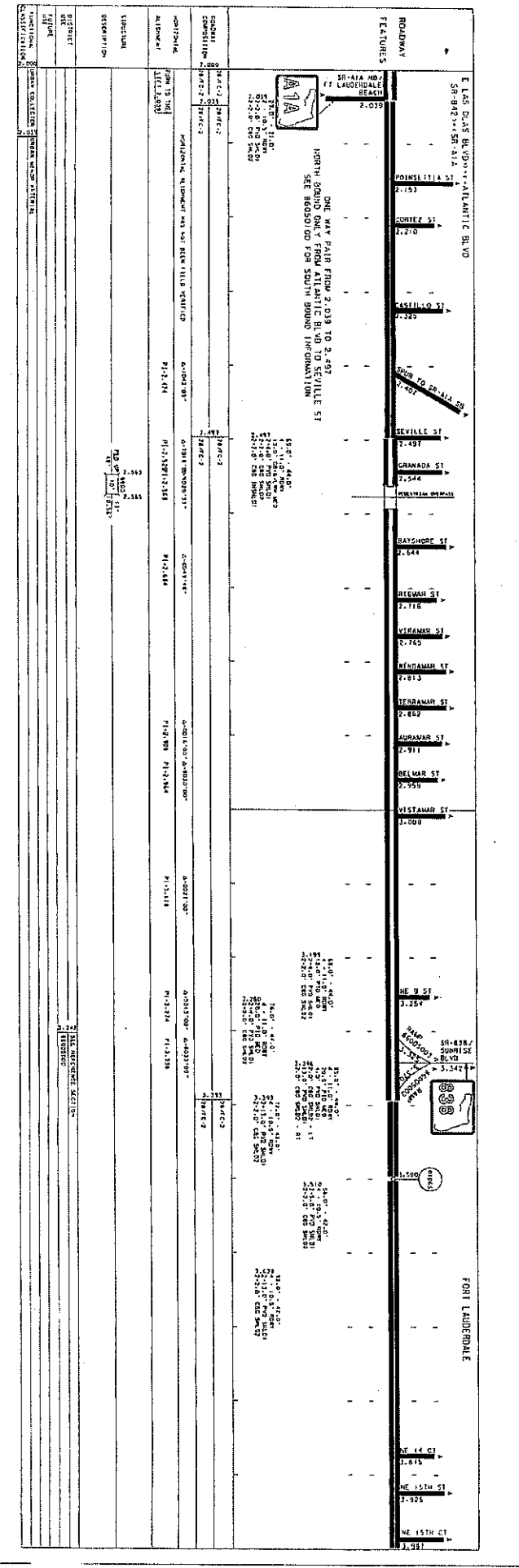
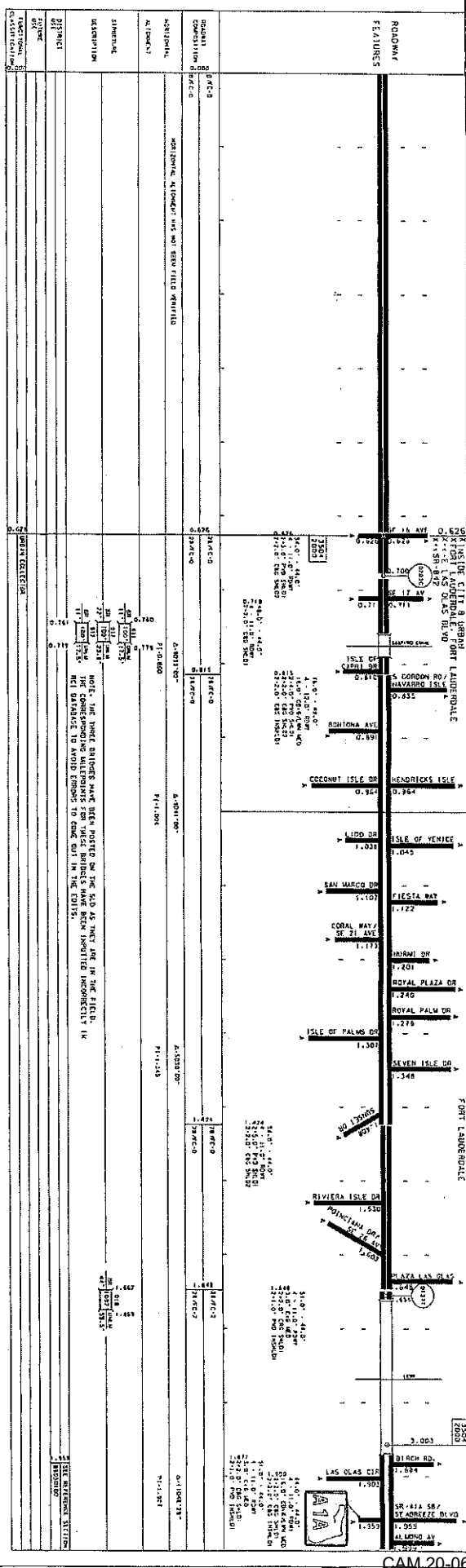
EXHIBIT A

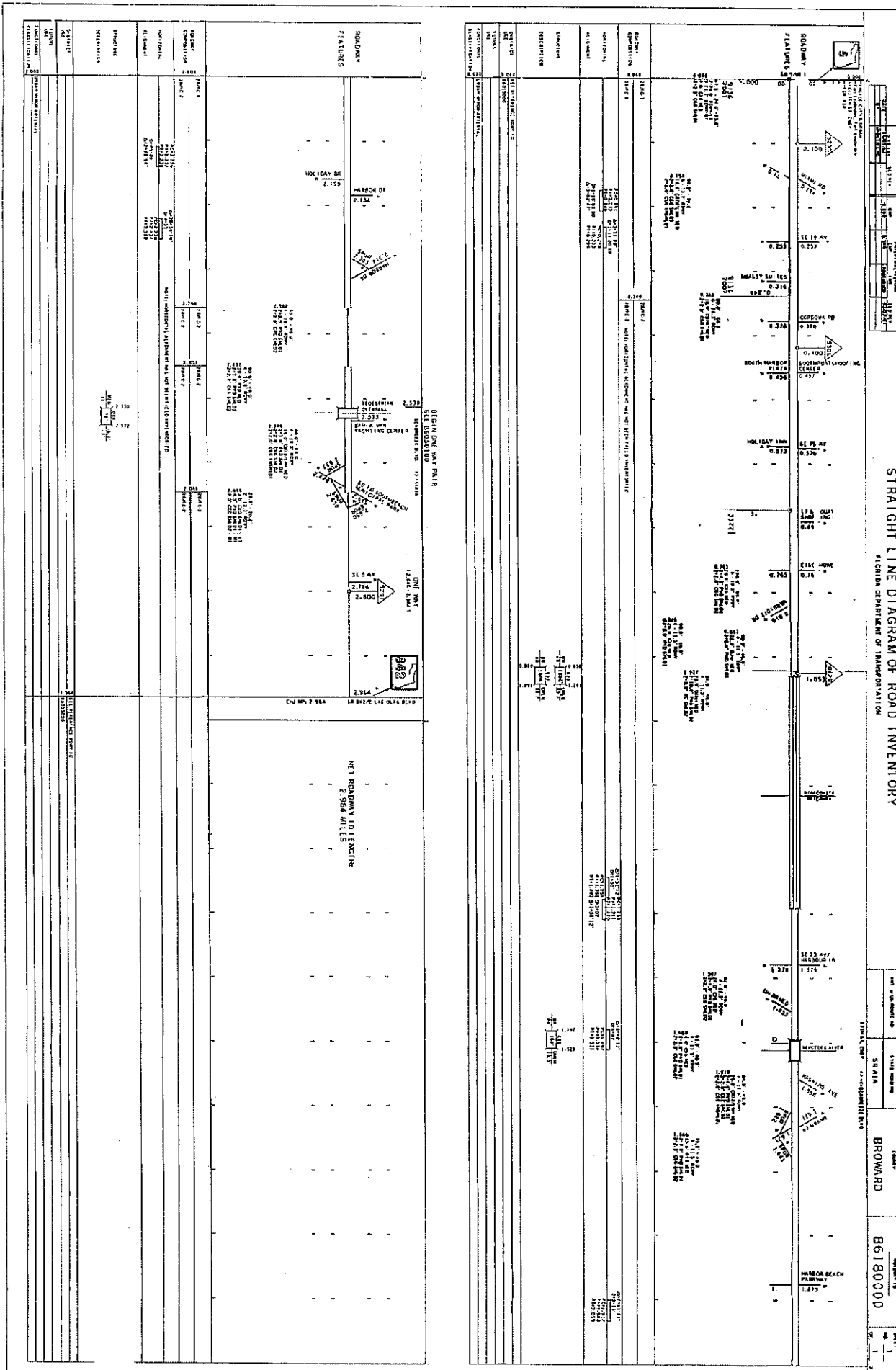
**CITY OF FORT LAUDERDALE STRAIGHTLINE DIAGRAM
FOR STATE ROAD A1A**

See Attached

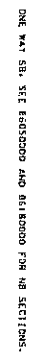
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101, 05 VA ROUTE 40	11422 ROAD 40.	COUNTY	SECTION
	SR-A1A	BROWARD	860501000



	Xi Jinping
Secretary General	Wang Kang

— 20 —

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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.

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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.

Mulching:

Pruning:

Staking and Guying:

Turf Mowing:

Litter Control:

Weeding/Herbicide:

200 JAN

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
S.R. NO(S): A1A
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
S.R. NO(S): A1A
COUNTY: BROWARD
FM NO.(S): 22811.6, 41687.2
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)

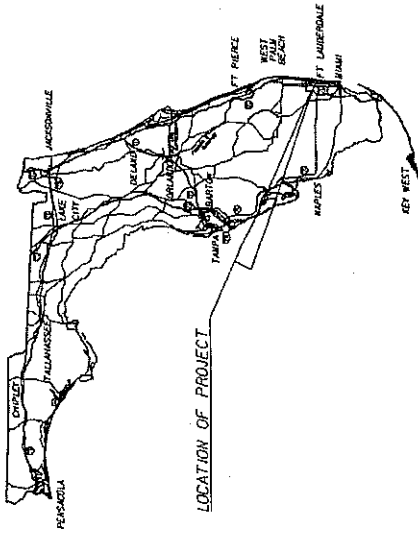
BROWARD COUNTY (86050)
STATE ROAD NO. A1A (OCEAN BLVD)

LANDSCAPE PLANS

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2 - LD-3	LANDSCAPE PLANS
LD-4	LANDSCAPE NOTES
LD-5 - LD-6	LANDSCAPE PLANS
LD-7 - LD-8	IRRIGATION PLANS (ONLY SHEETS W/ IRRIGATION)
LD-9	IRRIGATION TABLE AND NOTES
LD-10	IRRIGATION DETAILS
LD-11	TREE PERMIT PLANS



LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:
JASON LITTECH, ASLA
GENTILE, HOLLOWAY, O'MAHONEY, & ASSOC.
1901 COMMERCIAL LANE, SUITE 101
JUPITER, FLORIDA 33458
561-515-9551

PLANS PREPARED BY:
GEORGE G. GENTILE, FASLA L0000330
Gentile Holloway O'Mahoney
& ASSOCIATES, LLC
1901 Commercial Lane
Jupiter, FL 33458 561-515-9551 FAX
561-515-9560
WWW.LANDSCAPEDESIGNFLA.COM
CERTIFICATION OF AUTHORIZATION NO. L000007
CONTINUED ON SHEET LD-2
RECORD NO. F0500348001

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

DATE	BY	DESCRIPTION

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

RLA NO. J 0000330

FISCAL YEAR	SHEET NO.
09	LD-1

PROJECT MANAGER: BING WANG, PE

APPLICABLE DESIGN STANDARDS MODIFICATIONS: OADR05
For Design Standards modifications go to the following Web Site:
<http://www.dcd.state.fl.us/related/DesignStandards/Standards.htm>

LANDSCAPE TABULATION OF QUANTITIES

[illegible]

[illegible]

CAM 20-0623
Exhibit 3
Page 34 of 73

GENERAL NOTES

1. THE LOCATION OF PLANTS, AS SHOWN ON THESE PLANS ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNPREDICTED 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 COMPANIES MAY NEED TO BE STAKED BY A SURVEYOR OR THE UTILITY CALL OF FLORIDA, INC. AT 780-432-4770 TO SCHEDULE LOCATION OF THE UTILITIES WHICH SUBSCRIBE TO THEIR SERVICE. ADJUST TREE LOCATIONS WHEN NECESSARY NOT EXISTING UTILITIES.

3. UTILITY OWNERS:

COMPANIES

BELLSOUTH
FPL
COMCAST
BROWARD COUNTY DES - TRAFFIC
PEOPLES GAS - FT. LAUD
CITY OF FT. LAUDERDALE
BROWARD COUNTY TRAFFIC
BROWARD COUNTY MASS TRANSIT

CONTACT PERSON

MIKE POSTEN
WYLE MYARD
LEONARD MAXWELL-NEWBOLD
JUDITH ANN MCNAU
ALEX ROCHE
JON STAHN
HANK ROBERTA
SPENSER STOLESON

TELEPHONE NOS.

954-721-2540
954-320-2052
954-534-1390
954-947-2844
954-463-0801
954-828-7830
954-847-2841
954-357-8392

4. MAINTAINING AUTHORITY:

CITY OF FT. LAUDERDALE
ATTENTION: GENE DEMISEY
1350 W. BROWARD BLVD.
FT. LAUDERDALE, FLORIDA 33302
(954) 870-5105

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 RECEIVE A UNIFORM 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.

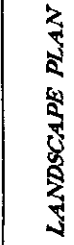
6. CONTRACTOR RESPONSIBLE FOR INSURING ALL EXISTING LANDSCAPING AND IRRIGATION IS MAINTAINED IN GOOD HEALTH AND CONDITION DURING CONSTRUCTION. ALL EXISTING TREES SHALL BE PROTECTED PER INDEX 544.

PLANT SCHEDULE							
SYM.	QTY.	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	PAY SIZE	MAX. MAINTAINED SIZE	REMARKS
LL	8	LOQUSTRUM LUCIDUM	TREE LOQUSTRUM	8" DB" SPD.	LARGE	N/A	WATCHED HTS.
OV	4	QUERUS VIRGINIANA	LOVE OAK	20" O.A.	LARGE	N/A	FULL & THICK
SP	28	SABAL PALMETTO	SABAL PALM	12" DB" C.T.	LARGE	N/A	SUCK TRUNK
WM	18	VEITCHIA MONTGOMERIANA	MONTGOMERY PALM	12" C.T.	LARGE	N/A	WATCHED HTS.
BAR	450	BORCHERIA ABBRESCENS	SEA OXLEY DAISY	#1, 12" O.A.	SMALL	N/A	FULL AND THICK
NDE	400	NAUCLANTHUS DEBILIS	BEACH SUNFLOWER	#1, 12" SPD.	SMALL	N/A	FULL AND THICK

PAY ITEM NOTES:

- 50-1-2 PERFORMANCE TURF; SOD SHALL BE ST. AUGUSTINE 'FLORITAM'
- 500-1-1, 500-1-2, INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS FOR THE COMPLETE INSTALLATION OF PLANT IN ACCORDANCE WITH SPECIFICATIONS AND FOOT 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 COVERING 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, EUS WARRIERS, CONTROLLERS, CLOCKS, BACKFILLING, DEBRIS REMOVAL, SYSTEM TESTING, MOT. THIS PAY ITEM ALSO INCLUDES THE COST OF ALL REQUIRED PERMITS TO PERFORM THIS WORK.

DATE		BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
GEORGE S. HOLLOWAY, FLSA LANDSCAPE George S. Holloway O'Mahoney 207 COMBINE LANE, SUITE 201 SUITE 201, 501-500 FAL JEFFER, FL 33408 WWW.LANDSCAPE-WATCHFLORIDA.COM CERTIFICATION OF AUTHORIZATION NO. 0000077							
STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID SR A1A BROWARD 416B72-1-52-01				LANDSCAPE NOTES SHEET NO. LD-4			



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	416872-1-52-01

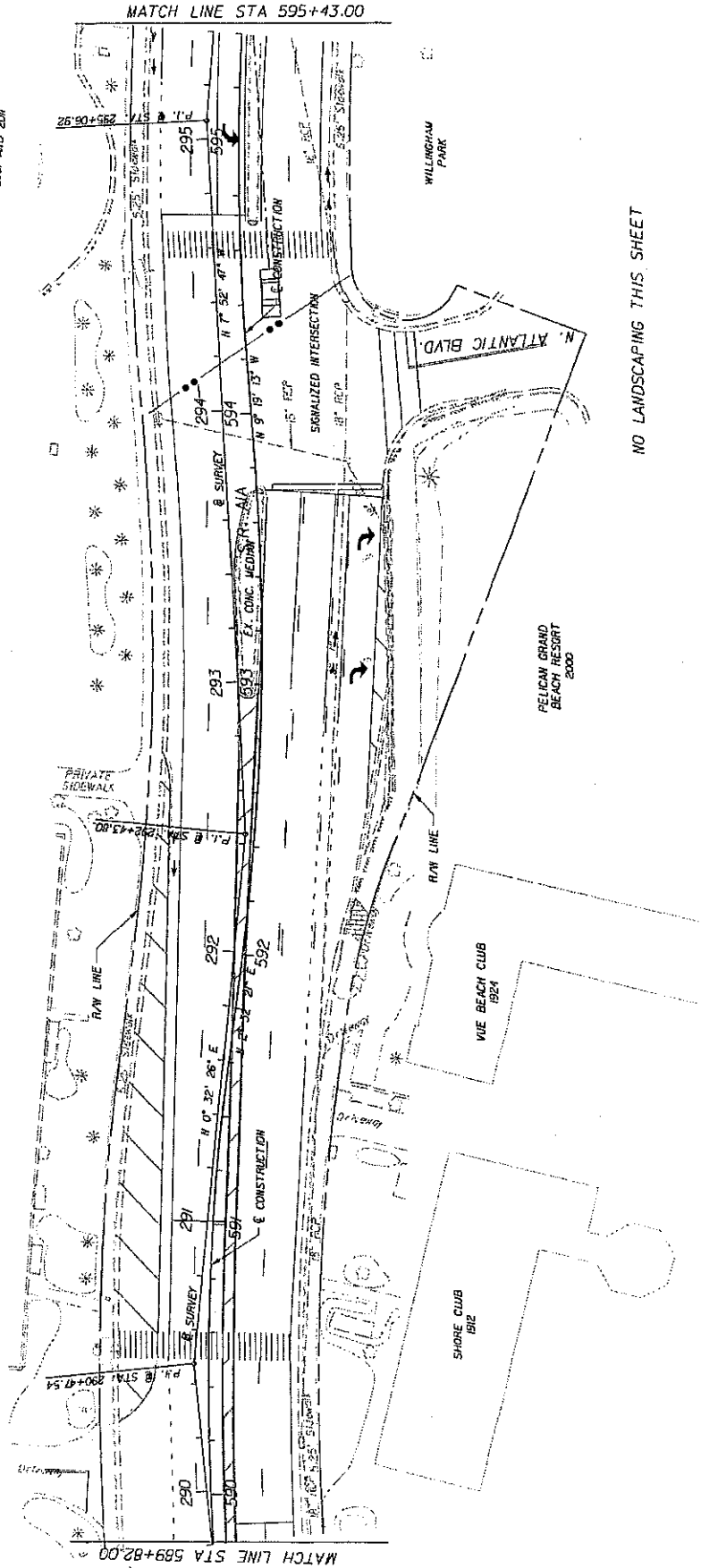
GEORGE S. GEMPLE, FASLA 1A0002330
Gentle Holloway O'Mahoney
a subsidiary, inc.
1901 Commerce Lane
Bulverde, TX 78109
Jupiter, FL 33456
561-573-9557
561-573-5260 FAX
www.landscape-architect.com
info@landscape-architect.com

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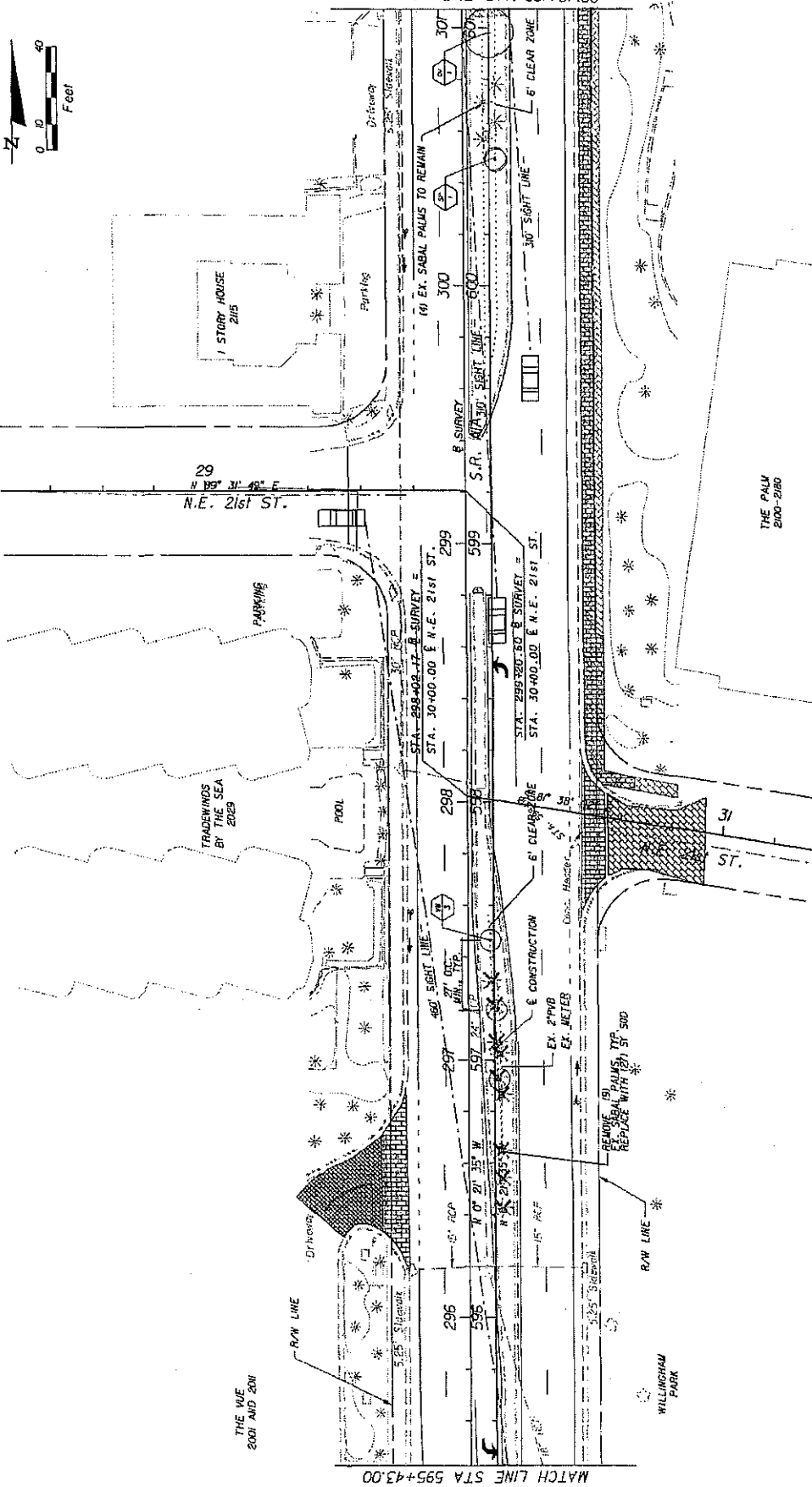
SHORE CLUB
1901-1925

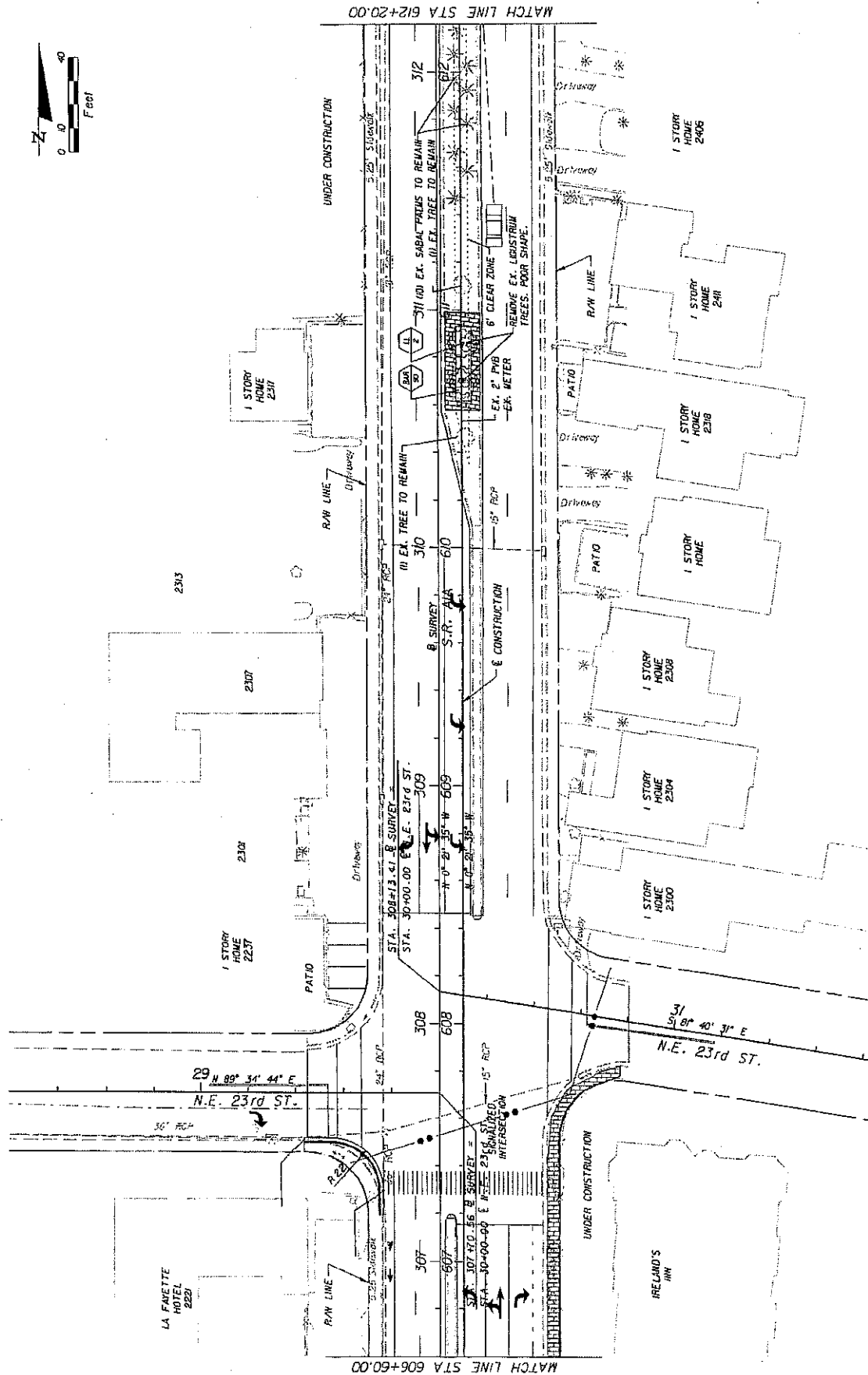
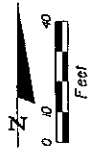
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<p>GEORGE B. GENTILE, P.E. LAD000539 Camille Holloway O'Mahoney Landscape Architect 541-515-4853 Suite 101 Jupiter, FL 33458 www.camilleholloway.com CERTIFICATION OF AUTHORIZATION NO. 0000007</p>						LANDSCAPE PLAN			
						6/2/20			

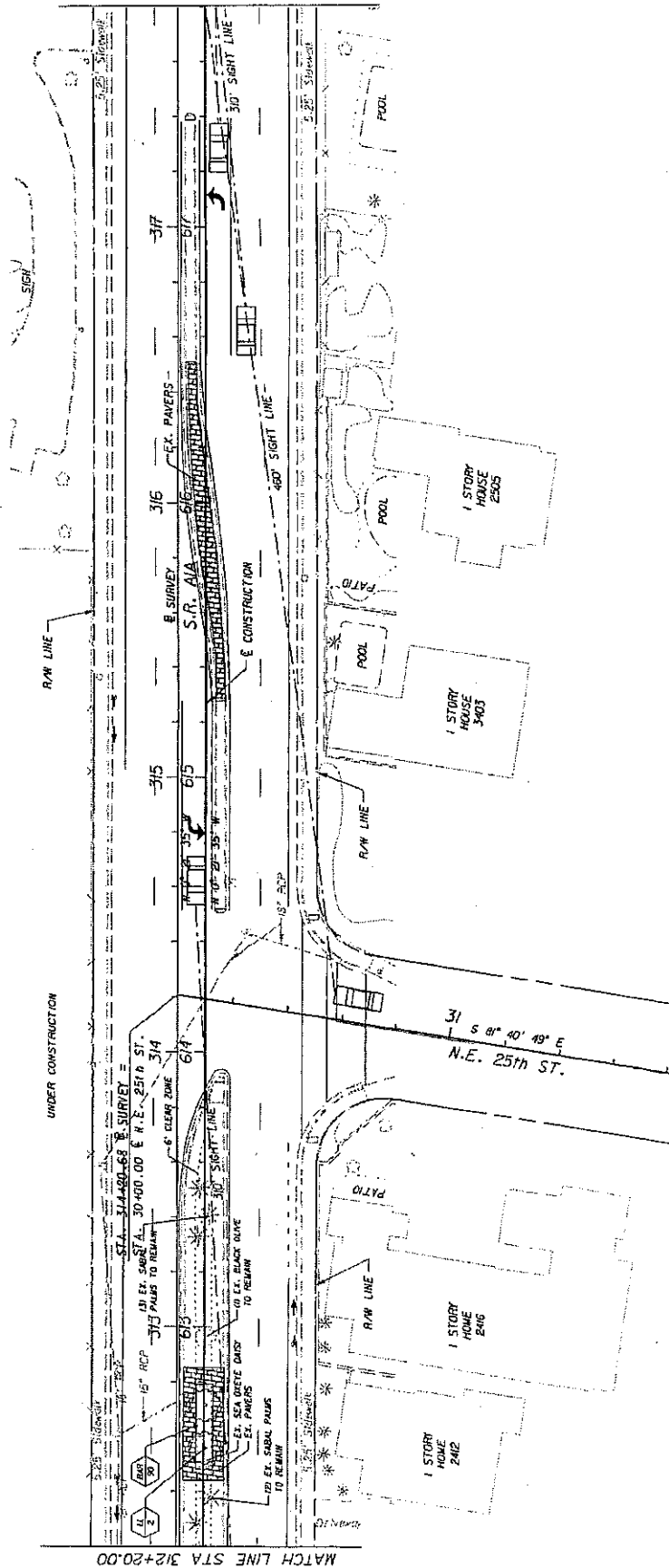
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6B0-14.01, F.A.C.

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	NO.
						A1A	BROWARD	416372-1-52-01	LD-9
GEORGE B. GUNDEL, P.A.S.C. Gentle Holloway O'Mahoney 1901 Commerce Lane Suite 100 Jupiter, FL 33458 561-515-5551 561-515-5260 FAX www.gentlellandscape-architecture.com CERTIFICATE OF AUTHORIZATION NO. 12000007				DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID		LANDSCAPE PLAN			

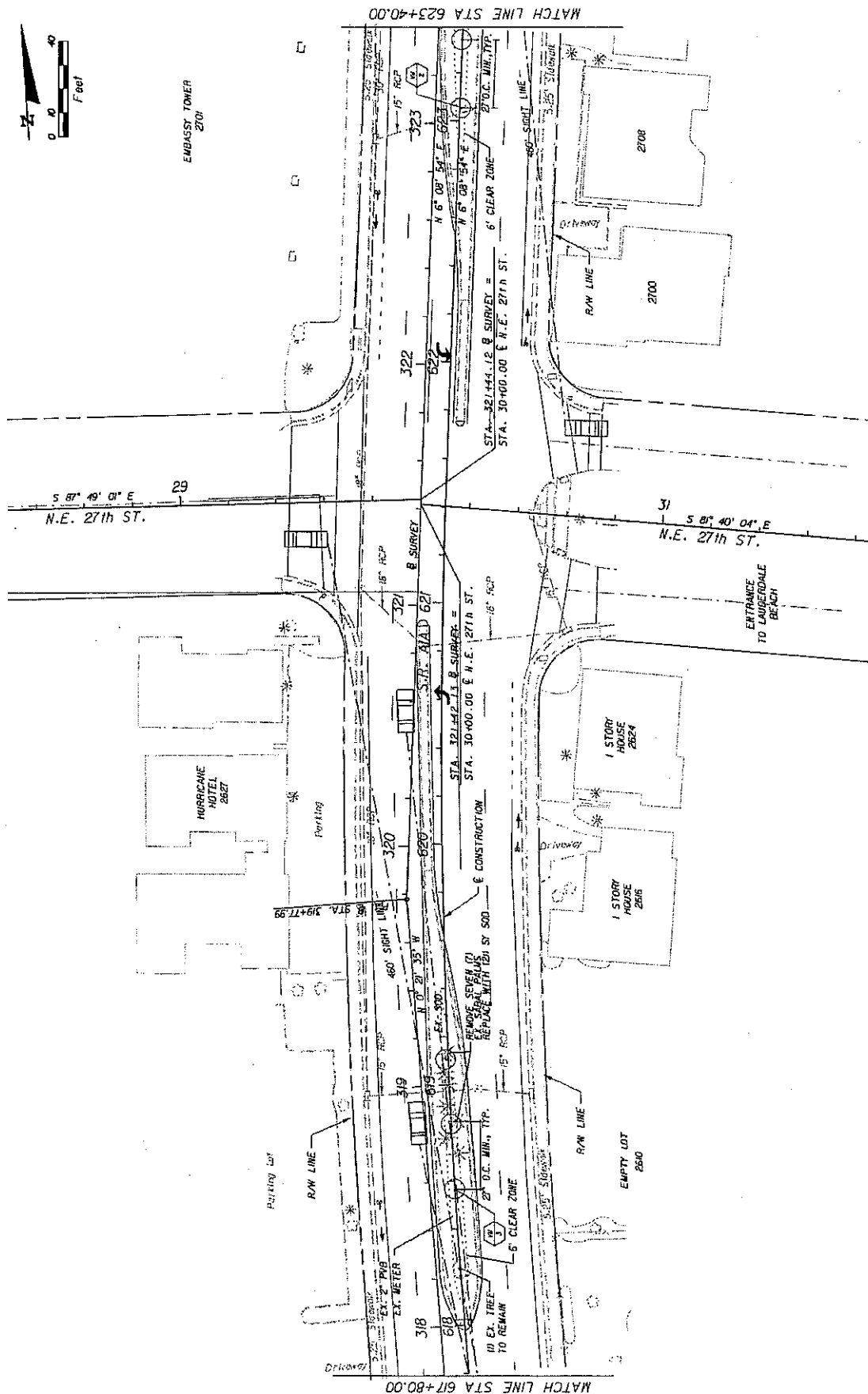
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CATHOLIC CHURCH



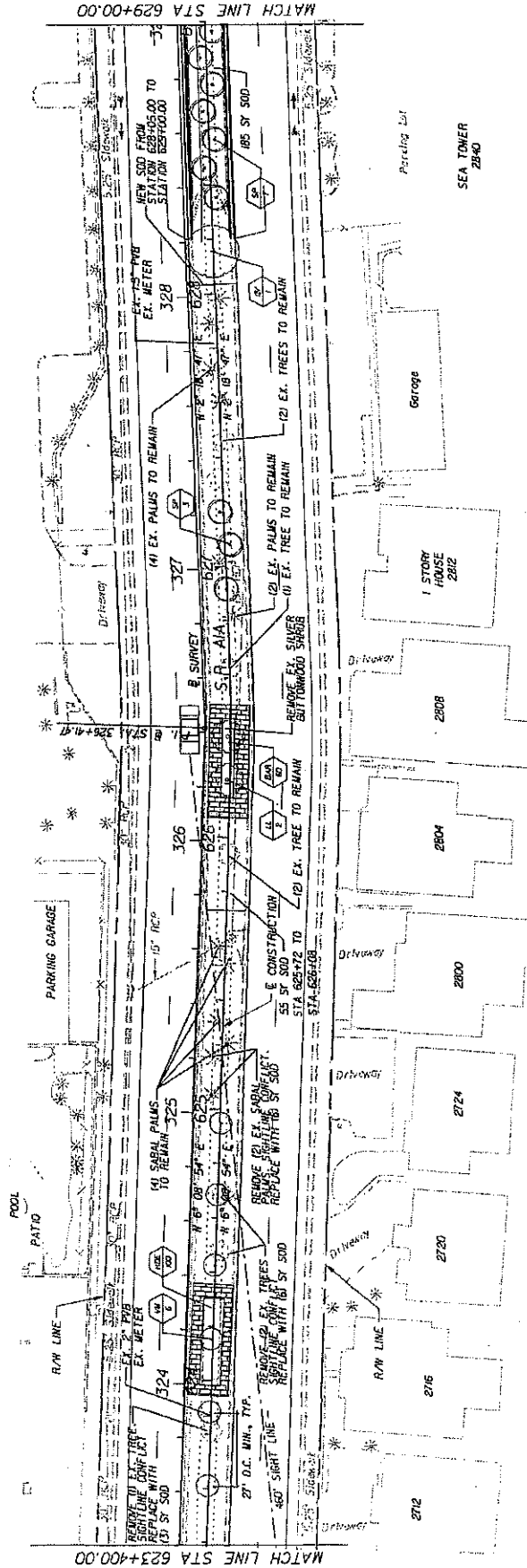
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MATCH LINE STA 617+80.00

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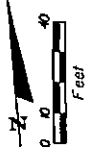
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LUXURY CONDO.
RESIDENCE**



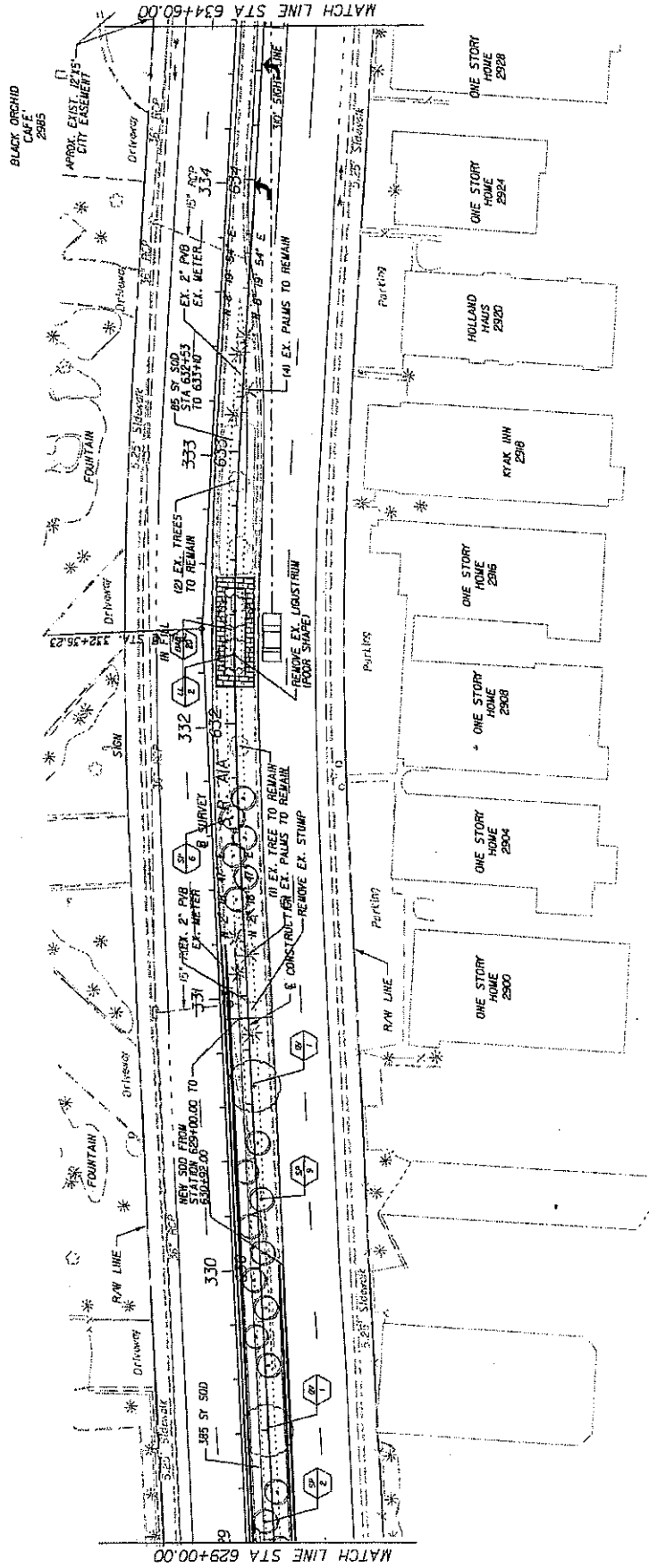
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MATCH LINE STA 623+400.00

						GEORGE G. BENTLEY, P.A.C.E. Gentle Holloway O'Mahoney ARCHITECTS, INC. 1801 Commerce Lane Suite 101 Jupiter, FL 33458 www.holloway-architects.com CERTIFICATION OF AUTHORIZATION NO. U000079		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID A1A BROWARD 416872-1-52-01		SHEET NO.
						LANDSCAPE PLAN				L-D-12

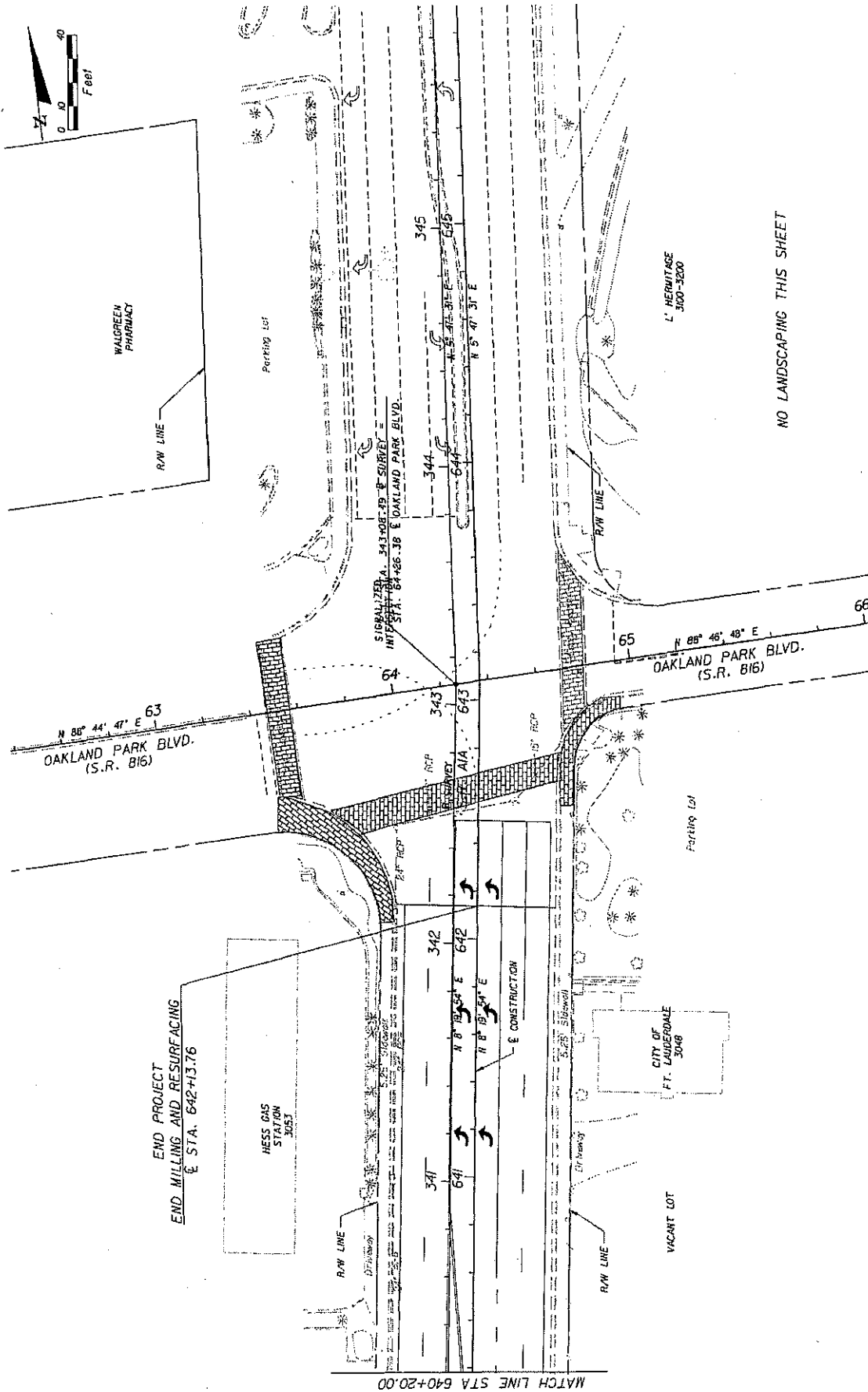


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VIEW
2841



DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION	

CHUCK E. KATZ, P.E., LICENSED CITY ENGINEER City of Broward 1801 Commerce Lane Suite 101 Fort Lauderdale, FL 33304 Tel: 561-575-5951 Fax: 561-575-5760 Email: ckatz@broward.org		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 1 COUNTY BROWARD PROJECT NO. 416872-1-52-01		LANDSCAPE PLAN		SHEET NO. LD-13
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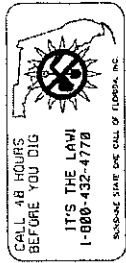
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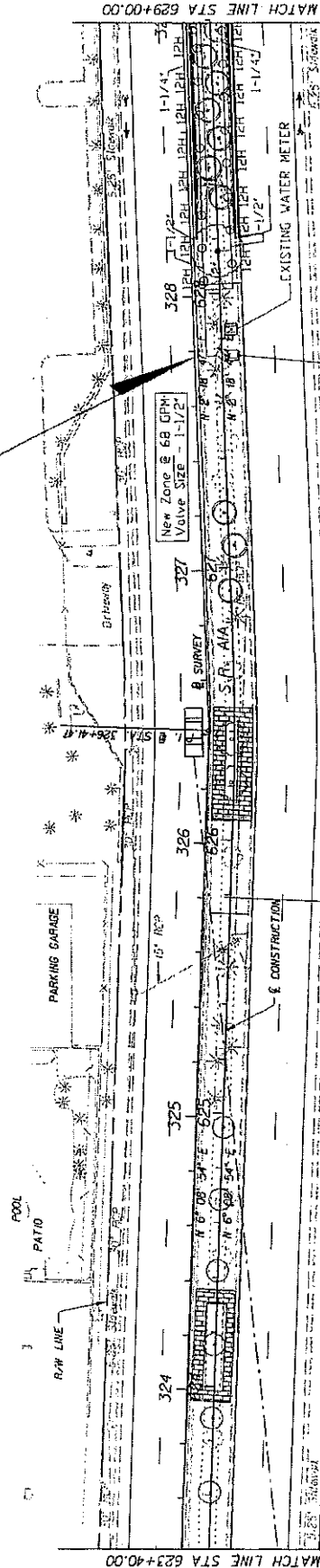
SPRINKLER KEY LEGEND

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

PIPE SIZING LEGEND	GPM
PIPE SIZE	
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



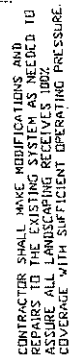
BEGIN IRRIGATION
STATION 627+77.00



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

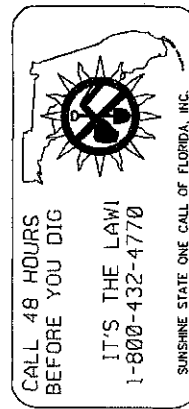
PROVIDE AND INSTALL NEW BATTERY-POWERED CONTROLLER AND NEW 1-1/2" ELECTRIC CONTROL VALVE ALONG SIDE THE EXISTING ELECTRIC CONTROL VALVE AND PLACE ALL INSIDE LARGE VALVE BOX.

DATE		BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY PROJECT ID FINANCIAL PROJECT ID ROAD NO. COUNTY PROJECT ID FINANCIAL PROJECT ID ROAD NO. COUNTY PROJECT ID FINANCIAL PROJECT ID							
ENGINE & ARCHITECT, P.A. Gentry Holmway O'Malley 1607 Commercial Lane Suite 101 Jupiter, FL 33408 561-575-8351 561-575-5380 FAX gentryholmway@earthlink.net CERTIFICATE OF ADOPTION NO. 0000007							
SHEET NO. LD-16							



NOTES:

1. THE IRRIGATION SYSTEM HEAD LAYOUT IS DESIGNED AND MAINTAINED TO MINIMIZE OVERSPRAY INTO ROADWAYS. AFTER THE SYSTEM IS FISHED 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 UNIFORMITY 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/UPDATE 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 MEANS.
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 SHALL ADJUST 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 DEFICIENCIES WITHIN THE EXISTING IRRIGATION SYSTEM, I.E. BROKEN HEADS, LOW PRESSURE, BROKEN PIPE. REPAIRS SHALL BE MADE IN COORDINATION WITH THE CITY OF FT. LAUDERDALE.



MINIMUM RECOMMENDED IRRIGATION MAINTENANCE PROCEDURES

- A. Every irrigation zone should be checked monthly and written reports generated describing the details 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:
- B. Turn on each zone from the controller to verify automatic operation.
- C. Check schedules to ensure they are appropriate for the season, plant and soil types, and irrigation method. Consult an I.A. certified auditor for methods used in determining proper irrigation scheduling requirements.
- D. Check remote control valve to ensure proper operation.
- E. Check flow control and adjust as needed; ensure valve closes within 10-15 seconds after deactivation by controller.
- F. Check for leaks - nozzles, 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-lap. 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.
- H. Check controller ground for resistance 100 ohms or less once per year. Submit written reports.
- I. Check rain shut-off device monthly to ensure it functions properly.
- J. Inspect all filters monthly and clean/replace/replace as needed.
- K. Inspect all valve boxes to ensure they are in good condition, they are in place and locked.
- L. Conduct additional inspections, maintenance tasks, etc. that are particular for your site.

DATE	BY	REVISION	DATE	DESCRIPTION

GEORGE C. BENTLEY, P.E.
 GEORGE C. BENTLEY & ASSOCIATES, INC.
 50-91-000
 507 COMMERCE BLVD.
 SUITE 201
 JOPPIN, FL 33408
 WWW.LANDSCAPE-TECHNICALS.COM
 LICENSE # 10000001

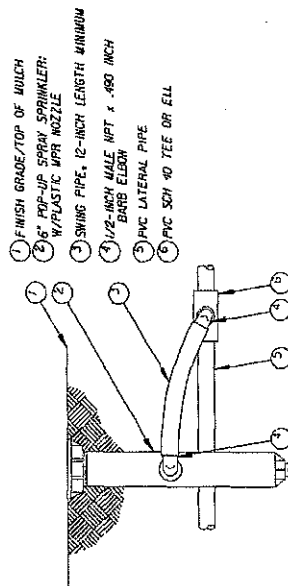
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY SR AIA
 41672-1-52-01

IRRIGATION TABLE AND NOTES
 SHEET NO. LD-18

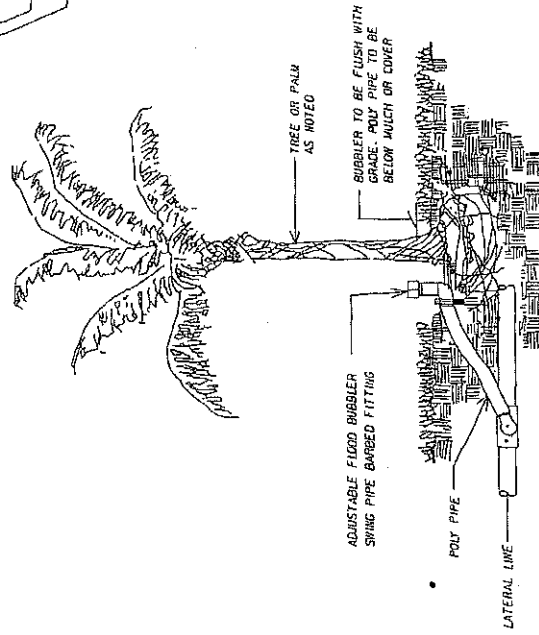
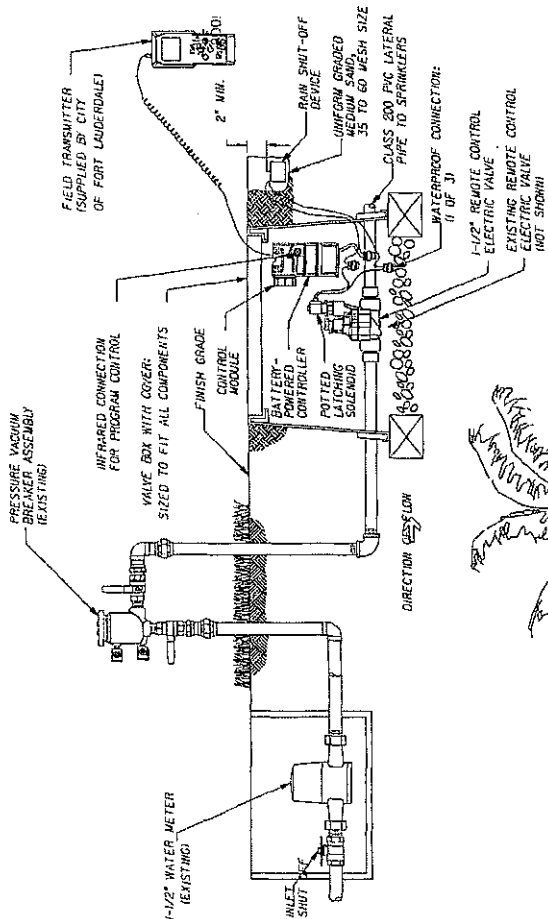
MATERIAL QUANTITY

Irrigation Heads			
Quantity	Symbol	Description	Size
3	•	Adjustable Flood Bubbler	1-1/2"
48	⊗	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	⊞	780S Control Module	4 Station Capacity
Pipe (laterals)			
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"
171 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	⊞	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

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

GEORGE S. GENTILE, P.E., F.A.S.A.
Gentile Holloway O'Mahoney
 3000 N. W. 11th Ave., Suite 200
 Fort Lauderdale, FL 33309
 954-551-8887
 WWW.GENTILEHOLLOWAYOMAHONEY.COM
 CERTIFICATION OF AUTHORIZATION NO. 10000077

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. SR A1A
 COUNTY BROWARD
 FINANCIAL PROJECT ID 416372-1-52-01

SHEET NO. LD-19

IRRIGATION DETAILS

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

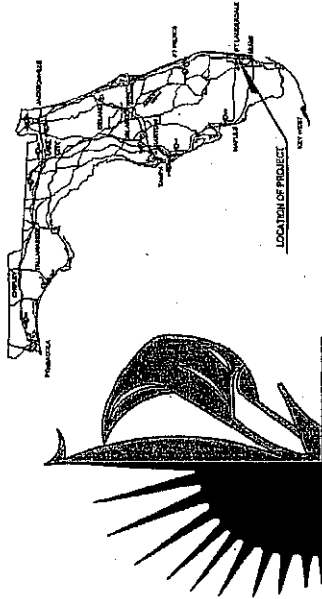
Just South of the S.R. A1A Southbound Spur (M.P.2.964 / Section 86180000)
North to S.R. 838 (sunrise Blvd. – M.P.3.334 / Section 86050000)

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

Dated: 7/11/07

DRAWING INDEX

CO-1	CORRECTION 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

AREA OF
WORK

PROJECT #P10774

S.R. AIA MEDIANS BEAUTIFICATION

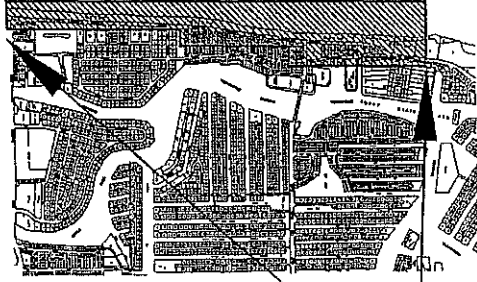
NEW LANDSCAPE

FROM JUST SOUTH OF THE S.R. AIA SOUTHBOUND SPUR (M.P. 2.964 / Section 861800000)
NORTH TO S.R. 838 (SUNRISE BLVD. - M.P. 3.334 / Section 860500000)
FORT LAUDERDALE, FLORIDA

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

Governing Standards and Specifications:
Florida Department of Transportation,
Design Standards Division, January, 2006
and Standard Specifications for Road
and Bridge Construction, dated 2007,
as amended by Contract Documents.
http://www.dot.state.fl.us/specifications/contract/Specifications_Development

DESIGN SPEED: 35 MPH



LOCATION SKETCH

PROJECT #P10774
AIA MEDIANS BEAUTIFICATION
NEW LANDSCAPE
CORNER OF AIA SQUARE TO SEASIDE BLVD. / AIA INTERSECTION

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

FORT LAUDERDALE CITY COMMISSION

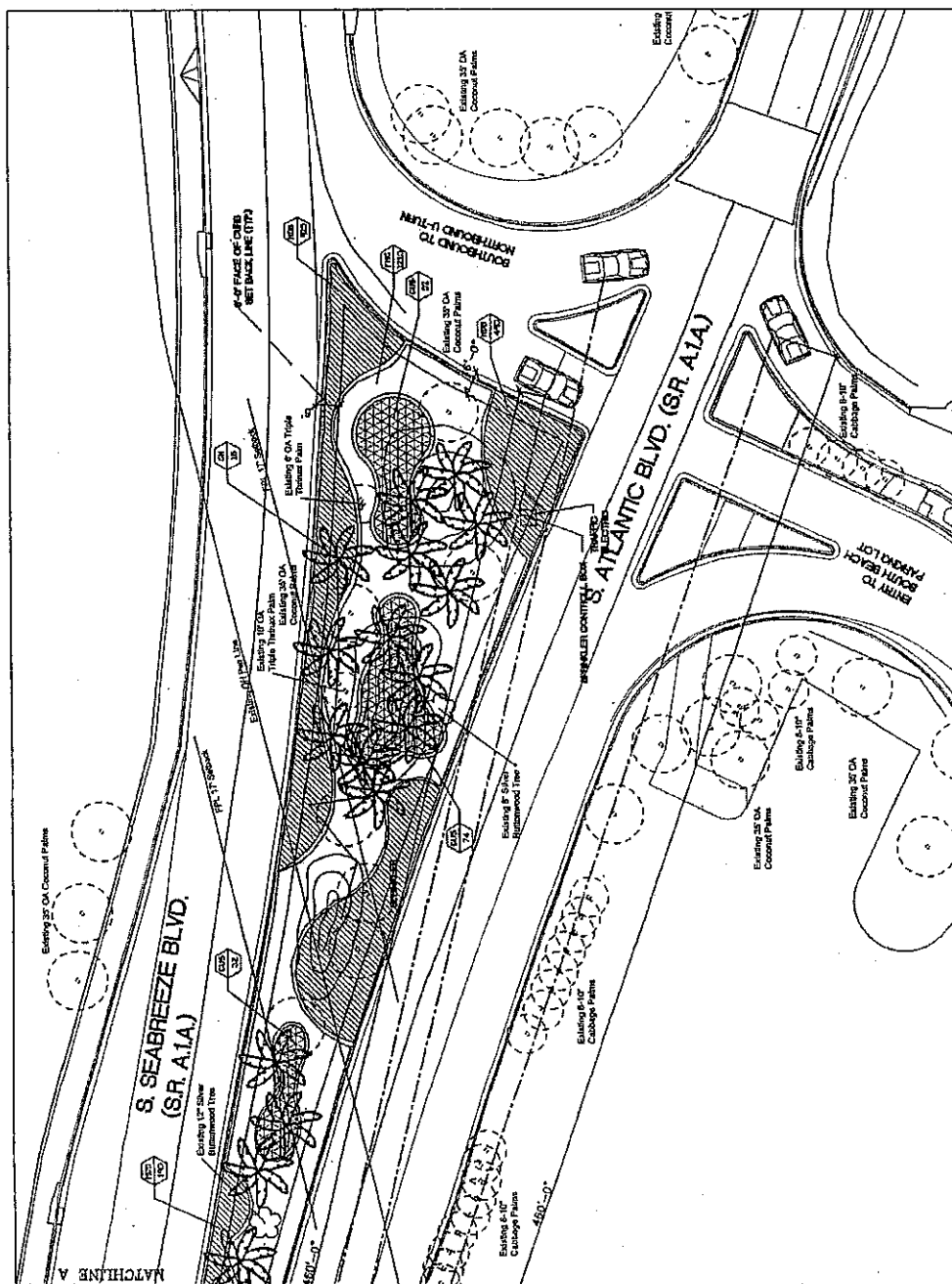
JIM NAUGLE
MAYOR
CHRISTINE TEEL
COMMISSIONER - DISTRICT I
CHARLOTTE E. RODSTRON
COMMISSIONER - DISTRICT II
CARLTON MOORE
COMMISSIONER - DISTRICT III
CINDI HUTCHINSON
COMMISSIONER - DISTRICT IV

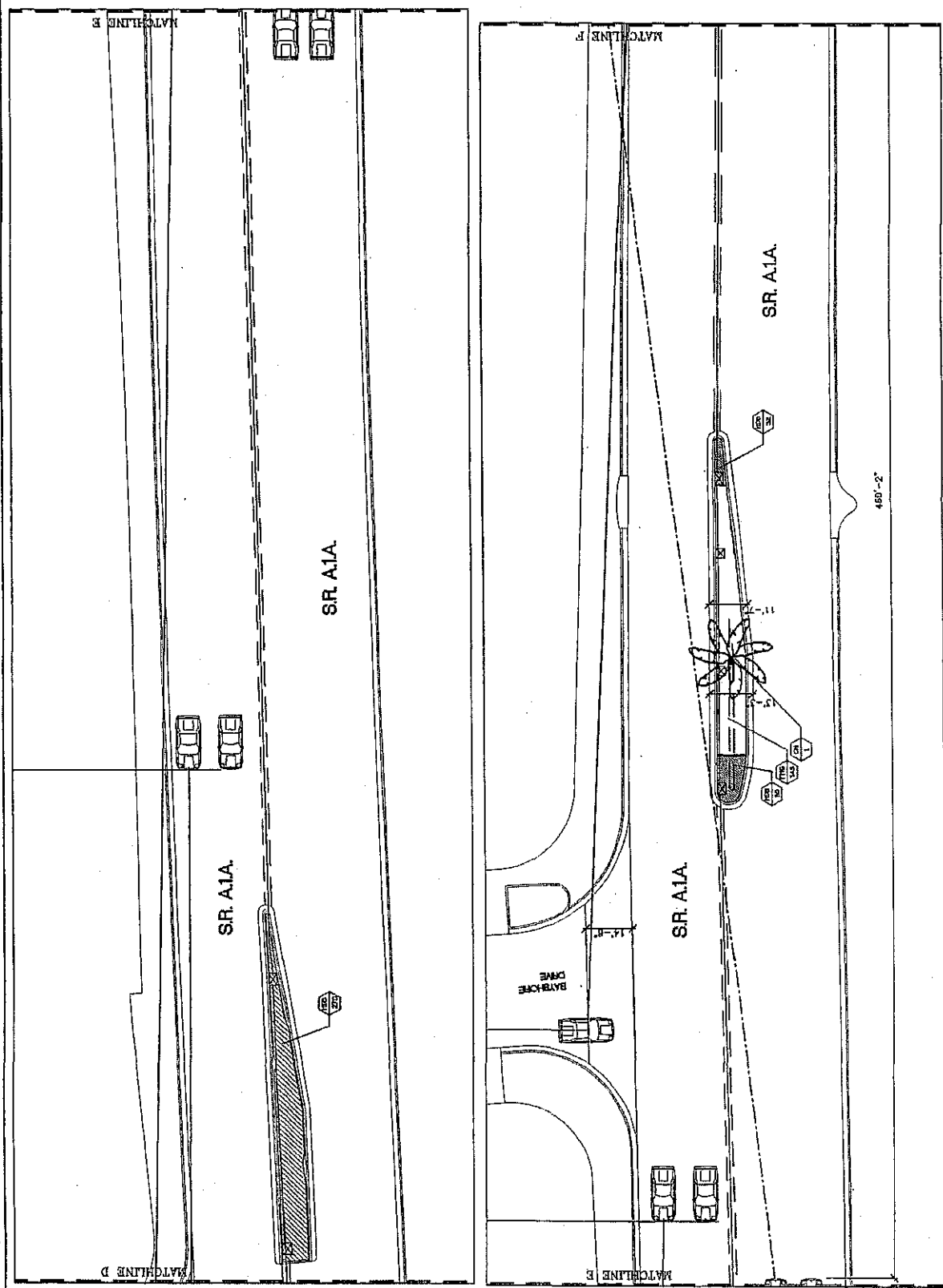
FRANK BRIDGES
SIGNALS & TRAFFIC
CITY ARCHITECT
LANDSCAPE ARCHITECT
(954) 553-6000
(954) 553-6007

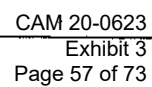
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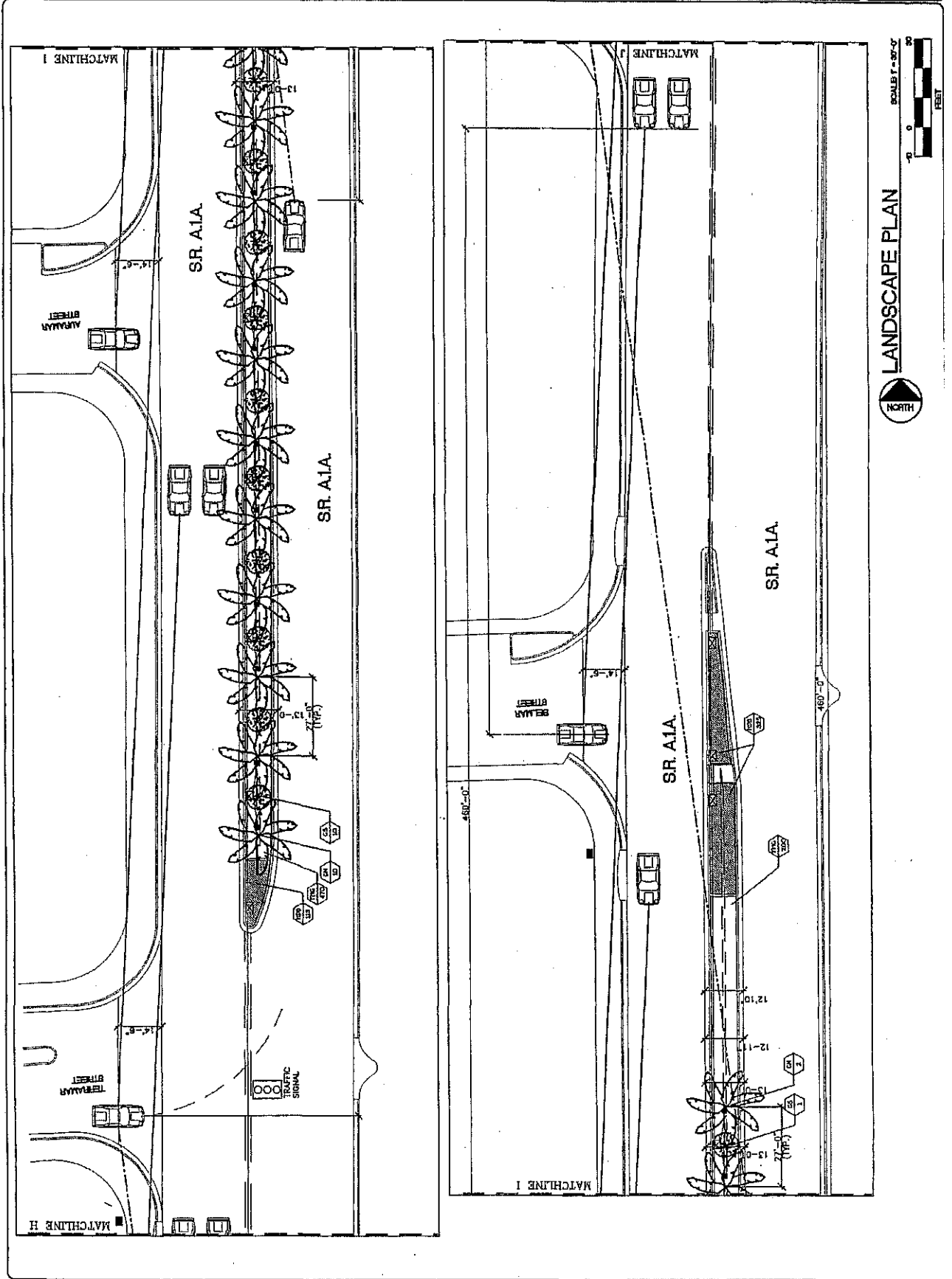
CO-1
OLD DRAWING NO. 0000000000
REVISION DATE 00-00-00
4-10-08

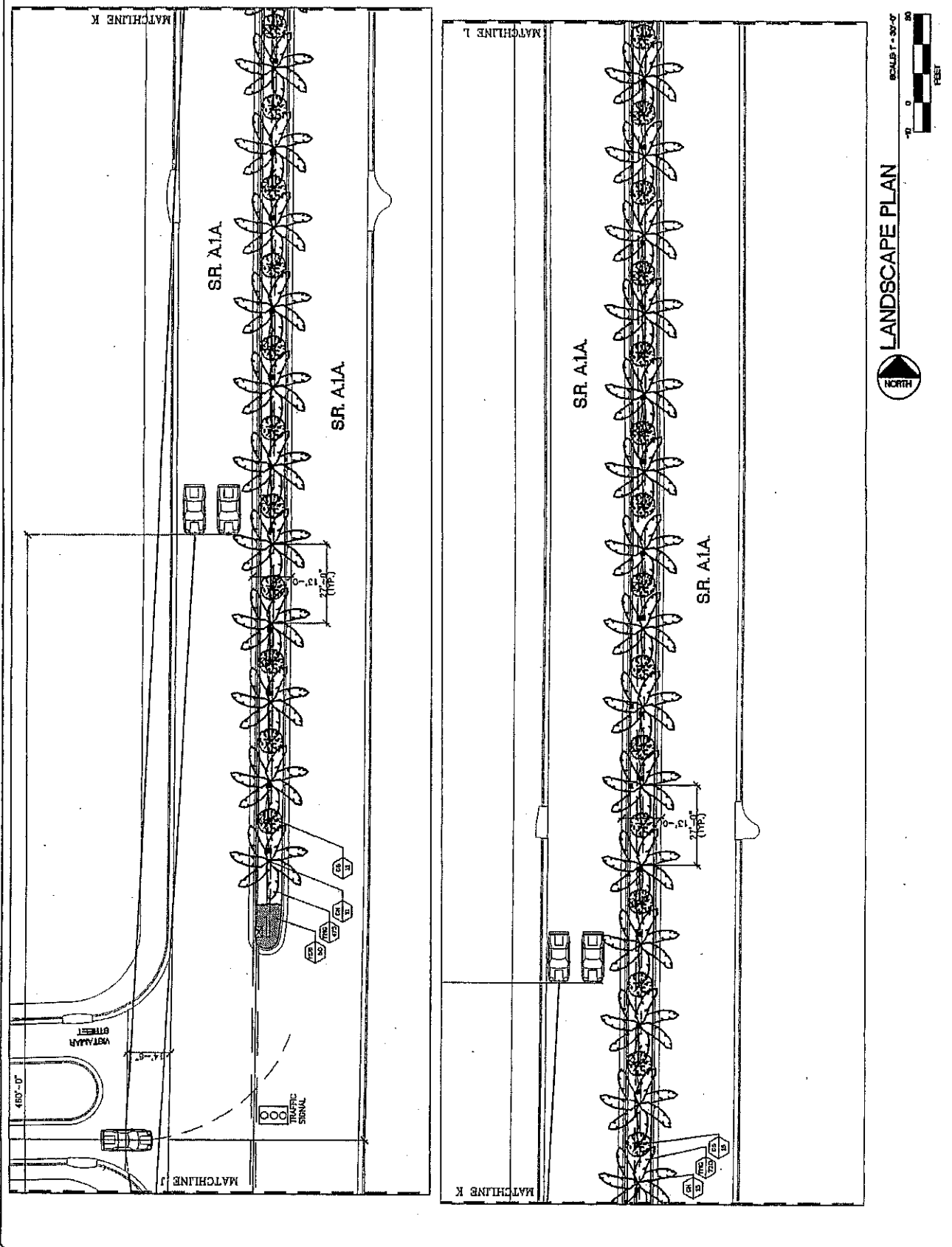


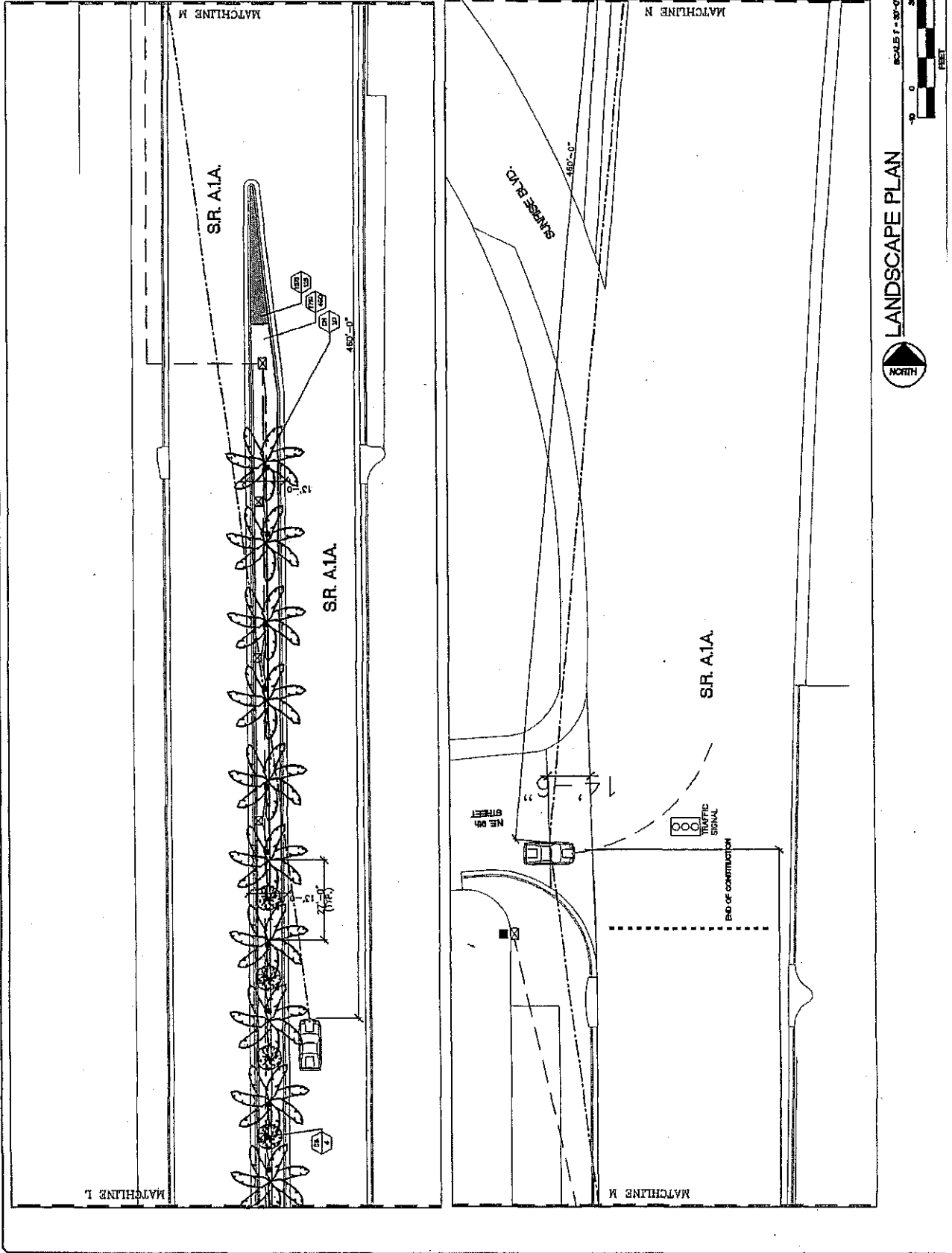




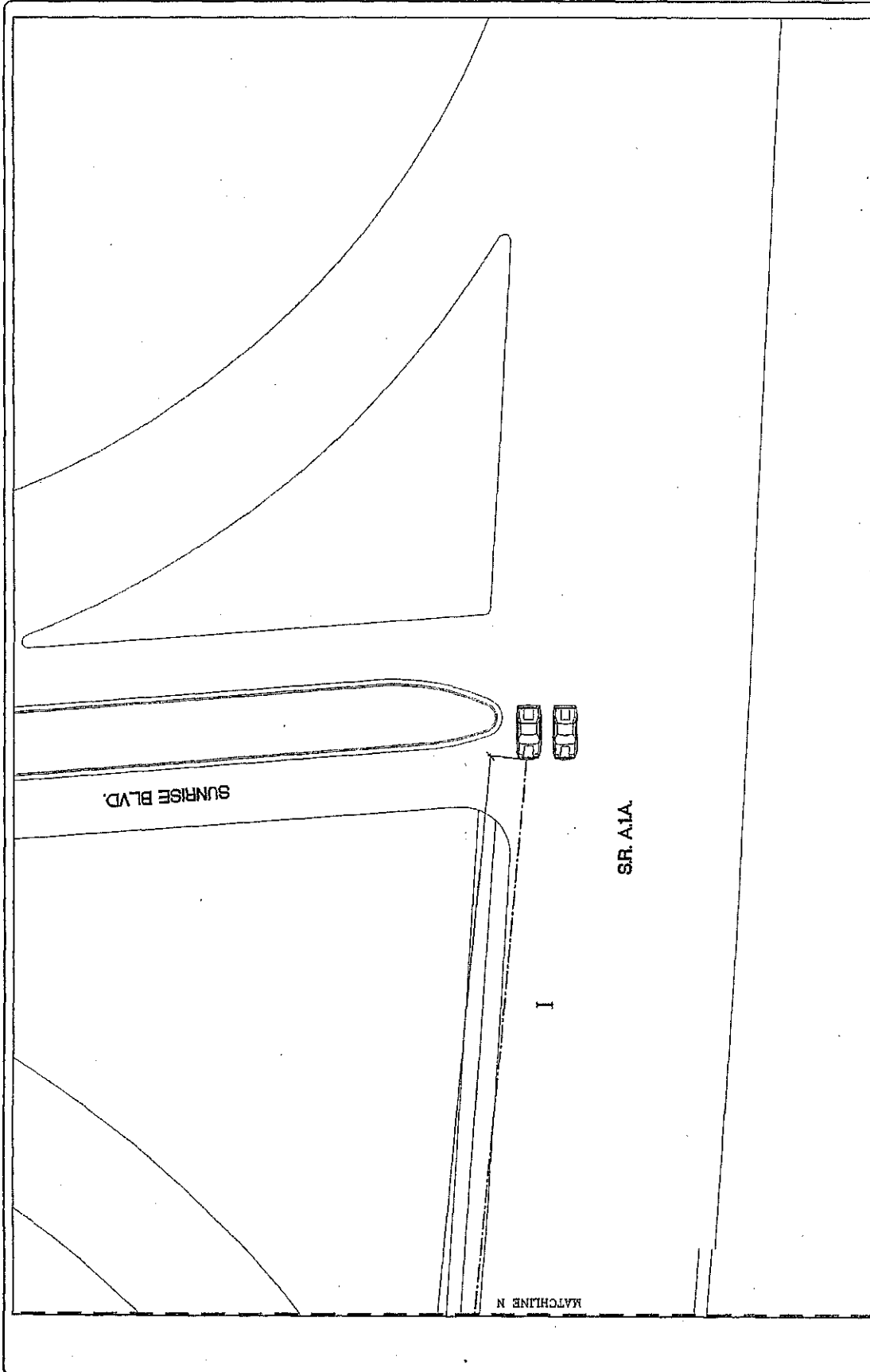








PROJECT # P10774 A1A MEDIAN SOUTH OF SUNRISE BLVD. TO BAYSHORE DRIVE NEW MEDIAN LANDSCAPING 100 N. ANDREWS AVE., FORT LAUDERDALE		SHEET NO. L-9 OF 10 TOTAL DATE: 11/14/07 DRAWN BY: J. L. L.	
CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE 100 North Andrews Avenue, Fort Lauderdale, Florida 33301		DATE: 11/14/07 DRAWN BY: J. L. L. CHECKED BY: J. L. L. APPROVED BY: J. L. L. (SIGNATURE)	

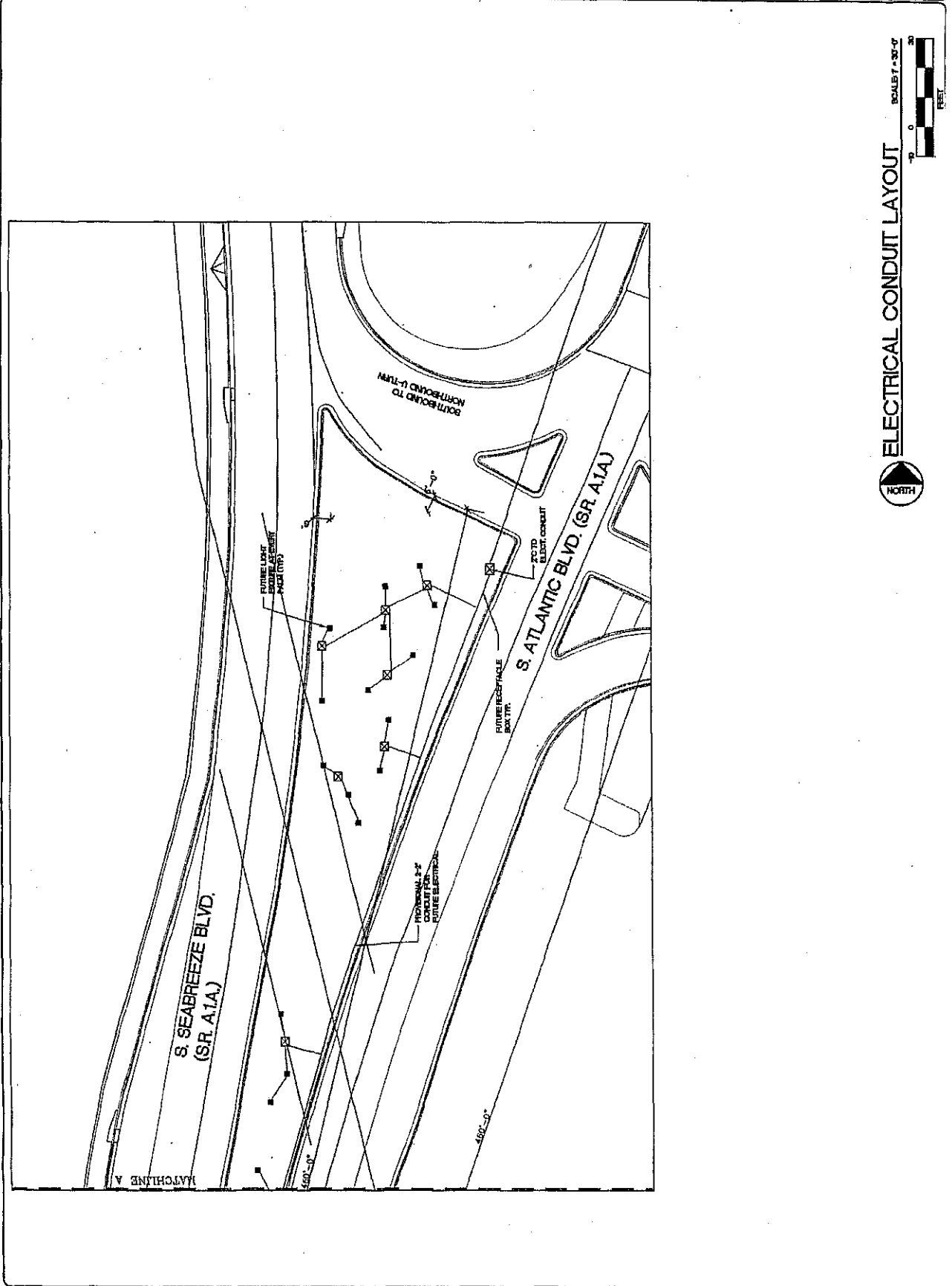




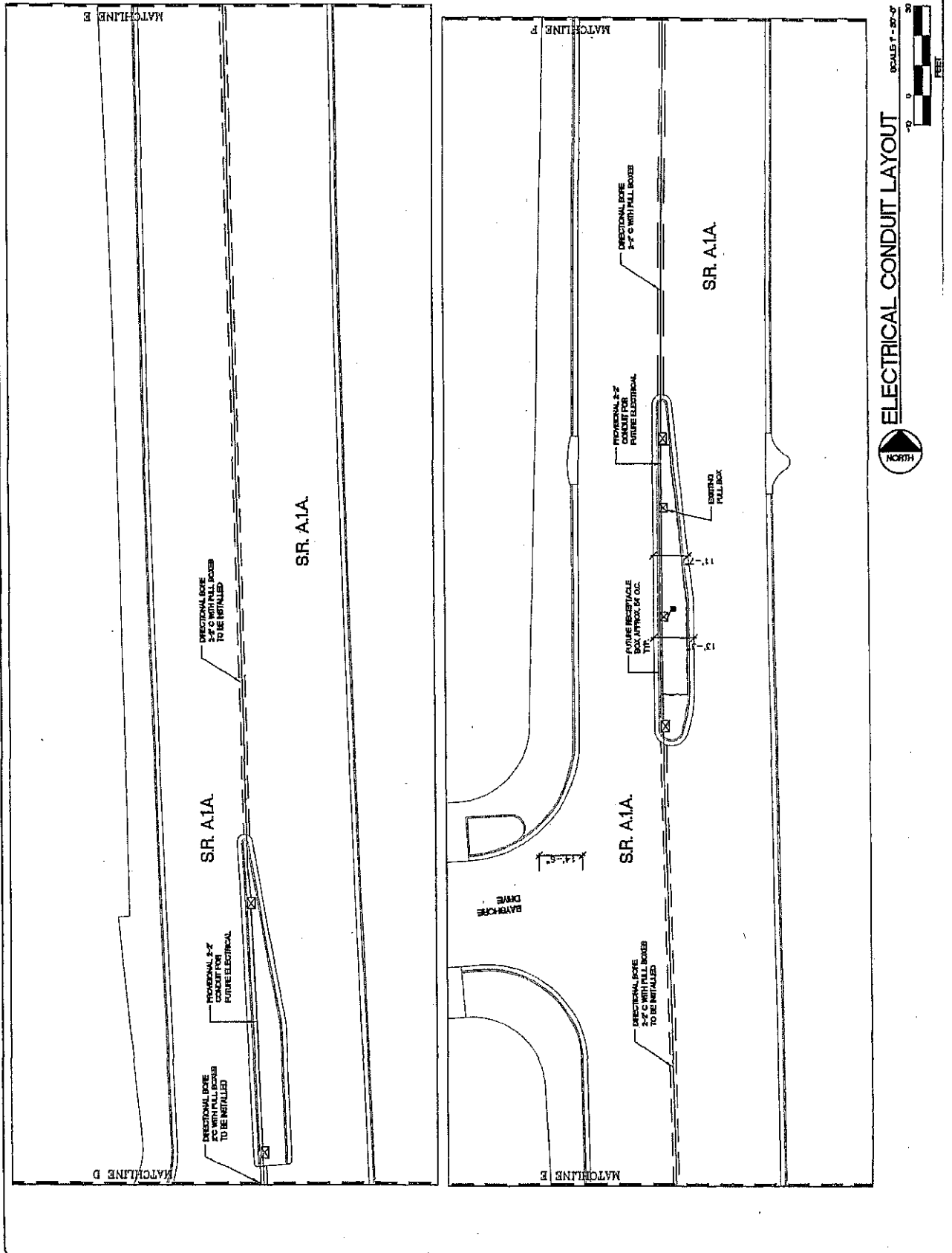
SYMBOLS:

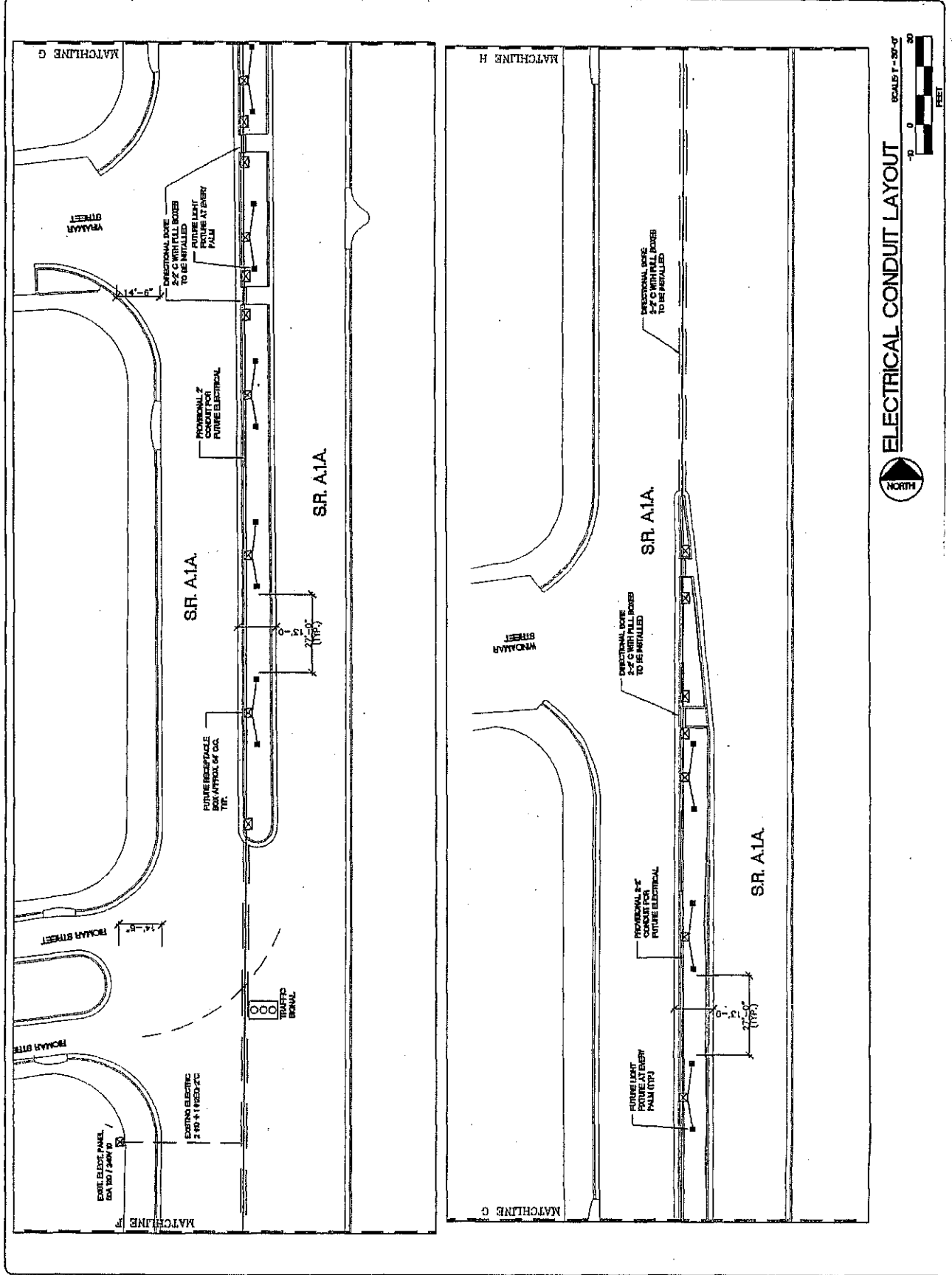
- Sch 40 PVC Conduit Main Run = 2". Feeder Run = 1".

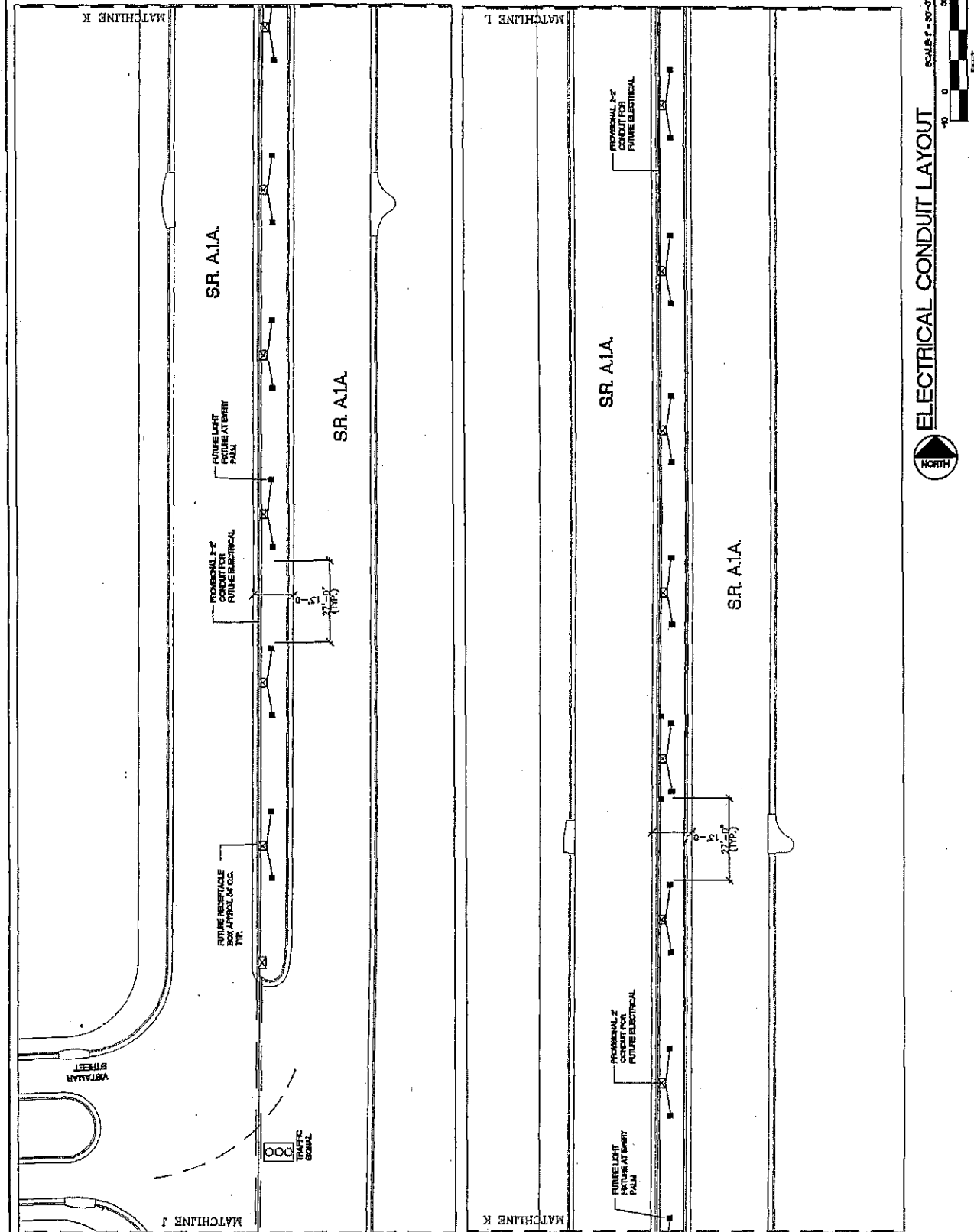
PROJECT # P10774 A1A MEDIANS SOUTH OF SUNRISE BLVD. TO BAYSHORE DRIVE MEDIAN ELECTRICAL CONDUIT LAYOUT 100 N. ANDREWS AVE., FORT LAUDERDALE		E-2 8 SHEET NO. 8 TOTAL SHEETS 8 DATE 11/1/2007 DRAWN BY J. B. JONES CHECKED BY J. B. JONES DESIGNED BY J. B. JONES SCALE 1" = 30'-0"	
CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE 100 North Andrews Avenue, Fort Lauderdale, Florida 33301		REVISIONS NO. DATE BY DESCRIPTION 1 11/1/2007 J.B.J. INITIAL LAYOUT	

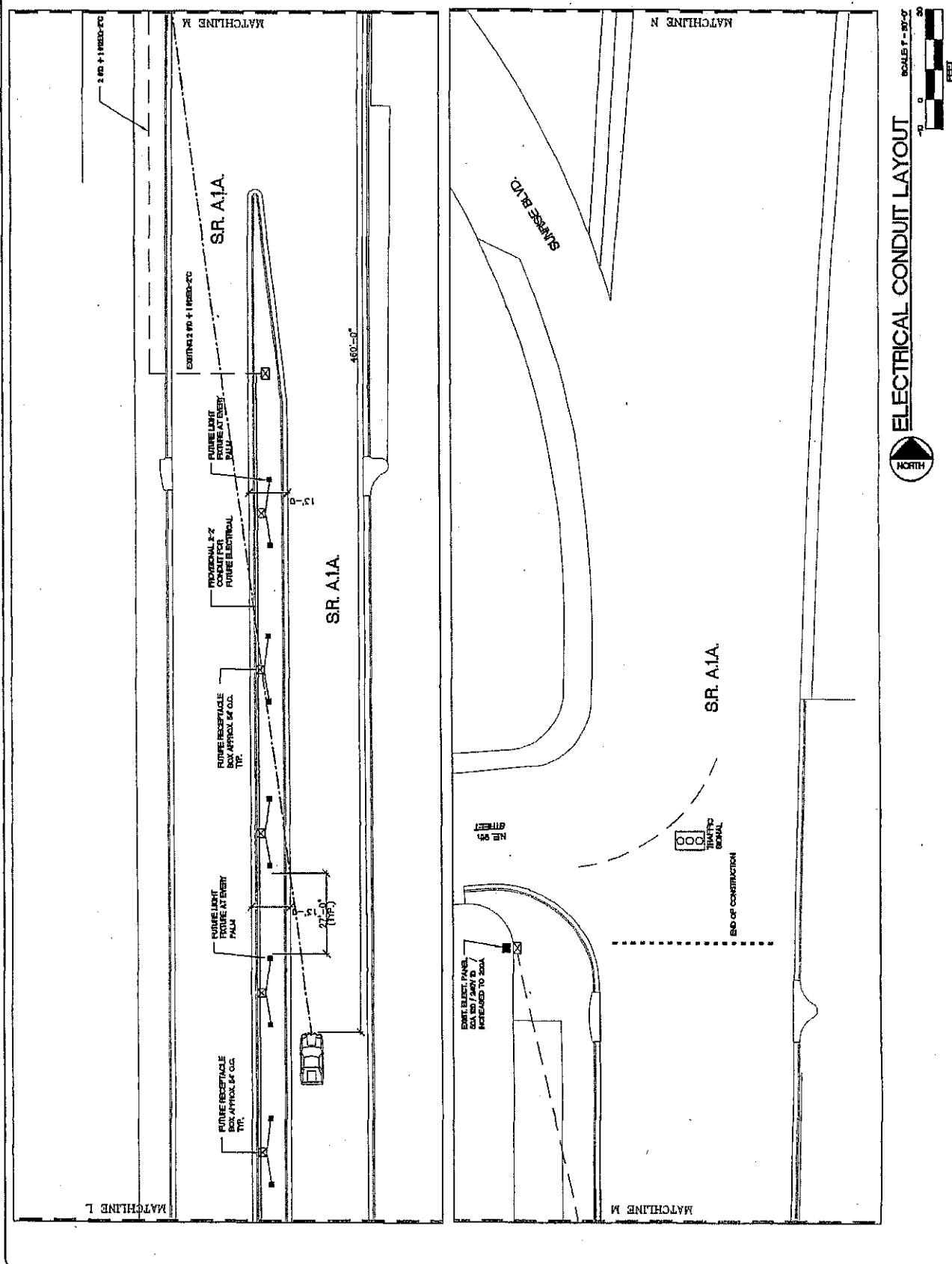


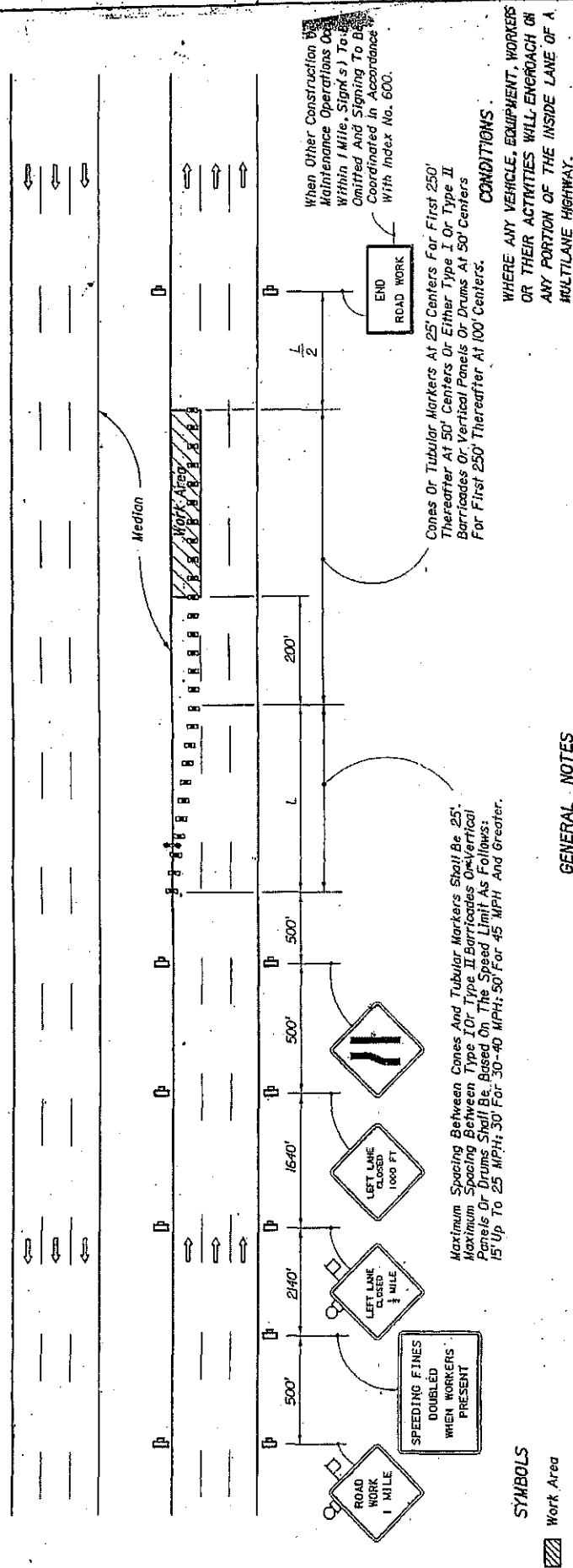
PROJECT # P10774 A1A MEDIANS SOUTH OF SUNRISE BLVD. TO BAYSHORE DRIVE MEDIAN ELECTRICAL CONDUIT LAYOUT 100 N. ANDREWS AVE., FORT LAUDERDALE		SHEET NO. 8 TOTAL 18 DATE FOR 10/14/2007 DRAWN BY 100-42 CHECKED BY 100-42 SCALE 1" = 50'-0"
CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE 100 North Andrews Avenue, Fort Lauderdale, Florida 33301		NO. 100-42 DATE 10/14/2007 DRAWN BY 100-42 CHECKED BY 100-42 SCALE 1" = 50'-0"











5708HYS

Work Area

Sign With 18" x 18" (41x41)

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 Marlers 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 16" (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 posted immediately after closure time.

exceeds 12 hours.

4. $L(\min. J) = WS$ for speeds ≥ 45 mph
" WS^2 for speeds < 40 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.

B. 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.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL THROUGH WORK ZONES

TRAFFIC CONTROL THROUGH WORK ZONES

MULTILANE DIVIDED • RURAL

[illegible]

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