

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DISTRICT FOUR (4) INCLUSIVE LANDSCAPE MAINTENANCE
MEMORANDUM OF AGREEMENT**

THIS AGREEMENT, made and entered into this 26th day of February 2013, 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 Hollywood**, municipal corporation 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, 5, 7, 9, 820, 822, 824 and 848 as part of the State Highway System as described in Exhibit A; and

WHEREAS, the DEPARTMENT seeks to install or have installed and have maintained by the AGENCY certain landscape improvements, as defined in paragraph numbered 2, page 2, within the right of way of State Roads A1A, 5, 7, 9, 820, 822, 824 and 848 as described within Exhibit B and C; and

WHEREAS, the AGENCY has installed and maintains certain landscape improvements within the right of way of State Roads A1A, 5, 7, 9, 820, 822, 824 and 848 as described within Exhibit B, and C; and

WHEREAS, two (2) Adjacent Property owners adjacent to State Roads A1A and 5 seek to install landscape improvements described within Exhibits B and D, pursuant to a permit within the corporate limits of the AGENCY and the AGENCY seeks to maintain those landscape improvements, and

WHEREAS, the AGENCY and the DEPARTMENT have entered into previous agreements for the AGENCY to maintain landscape improvements 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 State Road(s) A1A, 5, 7, 9, 820, 822, 824 and 848 described further in Exhibit A attached hereto and incorporated by reference herein; and

WHEREAS, the AGENCY is of the opinion that the highway facilities within the AGENCY'S limits that contain landscape improvements shall be maintained by the AGENCY; and

WHEREAS, it is the intent of the AGENCY and the DEPARTMENT that the AGENCY shall maintain all right of way within the medians, outside the travel way and improvements made to the travel way (if applicable) that were made at the request of the AGENCY; and

WHEREAS, as designated to be superseded, the AGENCY and DEPARTMENT intend for this agreement to replace and supersede the landscape agreements described within Exhibit C designated to be superseded, 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. R-2013-027 dated Feb. 22, 2013, 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 recitals set forth above are true and correct and are deemed incorporated herein.
2. **INSTALLATION OF FACILITIES BY AGENCY**

The AGENCY has installed certain *landscape improvements* described herein as: plant materials, irrigation and/or hardscape on the highway facilities substantially as specified in plans and specifications hereinafter referenced to as the Project(s) and incorporated herein as referenced in Exhibit C. *Hardscape* shall mean, but not be limited to, site furnishings, landscape accent lighting, fountain, tree grates, decorative free standing or retaining wall(s), and/or any non-standard roadway, sidewalk, median or crosswalk surfacing, such as concrete pavers, color stained stamped concrete, and/or asphalt patterned pavement, but excludes standard concrete sidewalk.

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 installed and pruned to prevent 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 and the Maintenance Plan, Exhibit E .
- (c) Tree and palm pruning shall be supervised by properly trained and certified personnel 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. Personnel shall be licensed by Broward County Environment Protection Department to perform this work.
- (d) Irrigation installation and maintenance activities shall conform to the most current standards set forth by the Florida Irrigation Society (FIS), *Standards and Specifications for Turf and Landscape Irrigation Systems*.
- (e) The AGENCY shall provide the DEPARTMENT'S local FDOT Operations Center accurate as-built plans of the irrigation system so in the future if 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 FDOT Operations Center. The AGENCY shall be responsible for all associated fees for the installation and maintenance of these utilities.
- (g) Patterned Pavement (if applicable) shall be installed and maintained as described in the plans and further described in Exhibit G and Exhibit H.

- (h) All sidewalk, crosswalk and / or median non-standard surfacing (if applicable) 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)* and in accordance with the Maintenance Plan, Exhibit E.
- (i) 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*.
- (j) The most current edition of *FDOT Design Standards*, Index 546 must be adhered to in all activities performed on the State Highway right of way.
- (k) Horizontal and Vertical 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 in all activities performed on the State Highway right of way.
- (l) Landscape improvements shall not obstruct roadside signs, traffic signals or permitted outdoor advertising signs, (see Florida Administrative Code [F.A.C.] Rule Chapter 14-40, Part I and Part III.)
- (m) The AGENCY shall provide the local FDOT Operation Center, Broward Operations, 5548 NW 9th Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300 a twenty-four (24) hour telephone number and the name of a responsible person that the DEPARTMENT may contact. The AGENCY shall notify the local FDOT Operations Center forty-eight (48) hours prior to the start of the project.
- (n) 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.
- (o) The AGENCY shall be responsible to clear all utilities within the landscape improvement limits before construction commences.
- (p) The AGENCY shall follow the minimum level of maintenance guidelines as set forth in FDOT Rule Chapter 14-40 *Highway Beautification and Landscape Management*, the *FDOT Guide to Roadside Mowing and Maintenance Management System*, *FDOT Maintenance Rating Program Standards* and Exhibit E, the Maintenance Plan for maintenance activities for landscape projects as well as the superseded landscape agreement's Maintenance Plan's Part II, and Exhibit H, the Patterned Pavement Maintenance.

3. INSTALLATION OF FACILITIES BY DEPARTMENT

The DEPARTMENT shall install or cause to be installed *landscape improvements* described as: plant materials, irrigation and/or hardscape on the highway facilities substantially as specified in the initial plans and specifications hereinafter referred to as the Project(s) and incorporated herein as referenced in Exhibit B and C. *Hardscape* shall mean, but not be limited to, any landscape accent lighting, fountain, tree grates, decorative free standing wall and/or any non-standard roadway, sidewalk, median or crosswalk surfacing such as, but not be limited to, concrete pavers, color stamped asphalt and/or color stamped concrete. If there are any major changes to the plan(s), the DEPARTMENT shall provide the modified plan(s) to the AGENCY and the AGENCY shall provide their approval or disapproval to the DEPARTMENT within 10 business days. The DEPARTMENT may elect to withdraw the landscape improvements if changes are not approved within the given time frame.

4. MAINTENANCE OF FACILITIES

- A. The AGENCY agrees to maintain the landscape improvements, as existing and those to be installed, within the physical limits described in Exhibit A. The landscape improvements outside the travelway shall be maintained by the AGENCY regardless if the said improvement was made by the DEPARTMENT, the AGENCY, or others by periodic mowing, fertilizing, weeding, pruning, curb and sidewalk edging, litter pickup, necessary replanting, irrigation system repair and/ or repair of any median concrete replacement associated with the non-standard surfacing (if applicable) following the DEPARTMENT'S landscape safety and maintenance guidelines, Exhibit E, the Maintenance Plan and Exhibit H the Patterned Pavement Maintenance (if applicable). The AGENCY'S responsibility for maintenance shall include all landscaped, turfed and hardscape areas within the median and areas outside the travelway to the right of way and areas within the travelway containing non-standard surfacing (if applicable). 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 the associated header curb and concrete areas (if applicable) on DEPARTMENT right of way within the limits of this Agreement.
- B. Such maintenance to be provided by the AGENCY is specifically set out as follows: to maintain, which means to properly water and fertilize all plants; to keep them as free as practicable from disease and harmful insects; to properly mulch the planting beds; to keep the premises free of weeds; to mow the turf to the proper height; to properly prune 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 and permitted outdoor advertising signs (per Florida Statute 479.106), and 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 trees, palms, shrubs, groundcover and turf. To maintain also means to remove or replace dead or diseased plants in their entirety, or to remove or replace those that fall below original project standards. Palms shall be kept fruit free year round. To maintain also means to keep the header curbs that contain the specialty surfacing treatment in optimum condition. To maintain also means to keep the hardscape areas clean, free from weeds and to repair said hardscape as is necessary to prevent a safety hazard. To maintain also means to keep litter removed from the median and areas outside the travel way to the right of way line. All plants removed for whatever reason shall be replaced by plants of the same species type, size, and grade as specified in the original plans and specifications. Any changes to the original plans shall be submitted by permit application to the DEPARTMENT for review and approval.
- C. If it becomes necessary to provide utilities (water/electricity) to the medians or areas outside the travelway for these improvements, all costs associated with the utilities associated with landscape accent lighting and/or irrigation including, but not limited to the impact and connection fees, and the on-going cost of utility usage for water and electrical, are the maintaining AGENCY'S responsibility.

(1) The AGENCY shall be directly responsible for impact and connection fees.

(2) If installed by the DEPARTMENT the AGENCY shall become responsible for the above named utility costs upon final acceptance of the construction project by the DEPARTMENT and thereafter. The construction project is accepted prior to the start of the Plant Establishment and Contractor's Warranty Period.

AND

(3) The AGENCY shall be responsible for all the improvements immediately after final acceptance of the construction project by the DEPARTMENT except for plant material which will be maintained by the Department's contractor during the Plant Establishment and Contractor's Warranty Period. The AGENCY shall be responsible for the maintenance of all improvements after the completion of the Plant Establishment and Contractor's Warranty Period. If the AGENCY installs the hardscape, the AGENCY shall be responsible for utilities as provided for in paragraph number 2. (f).

- D. 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.

5. SUPERSEDED PRECEDING LANDSCAPE AGREEMENTS

This Agreement shall replace and supersede any and all preceding landscape agreements as listed in Exhibit C except as specifically excepted out. The landscape improvement plans and the associated Maintenance Plan Part II attached to the referenced agreements and project costs shall by reference become a part of this agreement as if they were attached hereto unless superseded by later plans. The AGENCY shall have the same duty to maintain those landscape improvements under this Agreement as the Agency did under the previous landscape agreements, and as more specifically detailed in this Agreement.

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 hereby except as specifically reference in Exhibit C.

6. NOTICE OF MAINTENANCE DEFICIENCIES

- A. If at any time after the AGENCY has undertaken the landscape improvement installation and/or maintenance responsibility mentioned above, it shall come to the attention of the DEPARTMENT'S District Secretary that the limits, or a part thereof, are 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 placing 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:
- (1) Complete the installation, or part thereof, with DEPARTMENT or Contractor's personnel and deduct the cost of such work from the final payment for said work or part thereof, or,
 - (2) Maintain the landscape improvements or any part thereof, with the DEPARTMENT or Contractor's personnel and invoice the AGENCY for expenses incurred, or,
 - (3) At the discretion of the DEPARTMENT terminate the Agreement in accordance with Paragraph 11, and remove, by the DEPARTMENT or private 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.
- B. The AGENCY agrees to reimburse the DEPARTMENT all monies expended by the DEPARTMENT for the projects listed in Exhibit B, C and D 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.

7. FUTURE DEPARTMENT IMPROVEMENTS

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 AGENCY approving 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. 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(s) be widened, altered, or otherwise changed to meet with future criteria or planning of the DEPARTMENT. The AGENCY shall be given sixty (60) calendar day's notice to remove said landscape/hardscape 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.

8. FUTURE AGENCY IMPROVEMENTS

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. 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 roadway 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.
- (e) If the AGENCY'S landscape improvements include additional maintenance requirements, the AGENCY, and the DEPARTMENT shall enter into an Agreement Amendment describing the additional requirements.

9. ADJACENT PROPERTY OWNER IMPROVEMENTS

The DEPARTMENT may allow an adjacent property owner to construct additional landscape improvements within the limits of the right of way identified in Exhibit A of this document that the AGENCY shall be responsible for maintaining under this agreement subject to the following conditions:

- (a) Plans for any new landscape improvements shall be subject to approval by the DEPARTMENT and shall require a valid permit attached with a letter of consent to said plans by the AGENCY. The plans shall not be changed or deviated from without written approval by the DEPARTMENT and the AGENCY.
- (b) All landscape improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- (c) The AGENCY agrees to comply with the requirements of the Agreement with regard to any additional landscape improvements installed by an adjacent owner.
- (d) If the Adjacent Property Owner's landscape improvements include additional maintenance requirements, the AGENCY, and the DEPARTMENT shall enter into an Agreement Amendment describing the additional requirements

10. PROJECT COST FOR DEPARTMENT INSTALLED PROJECT

The DEPARTMENT agrees to enter into a contract for the installation of the Project(s) for an amount not to exceed **\$125,572.00** as defined in Exhibit F. This amount may be reduced or eliminated at the sole discretion of the DEPARTMENT or due to budgetary constraints of the DEPARTMENT.

The DEPARTMENT'S participation in the Project cost, as described in Exhibit F, is limited to only those items which are directly related to these Project(s).

The AGENCY shall be invited to assist the DEPARTMENT in final inspection upon completion of the Plant Establishment and Contractor's Warranty Period.

11. AGREEMENT TERMINATION

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 this Agreement, 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.

12. AGREEMENT TERM

- A. The term of this Agreement commences upon execution by all parties. The term of this Agreement shall remain in effect for twenty-five (25) years.
- B. If the DEPARTMENT cancels one or all the project(s) described in Exhibit B this Agreement shall still be valid.

13. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the AGENCY'S agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for this project shall agree to indemnify, defend, save and hold harmless the DEPARTMENT from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, sub-consultants, contractors and/or 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 this indemnification clause does not cover or indemnify the DEPARTMENT for its own negligence.
- B. 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 the 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 the DEPARTMENT with at least thirty (30) days notice of cancellation and or/or restriction. If any of the insurance coverages 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.

14. E-VERIFY REQUIREMENTS

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

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

15. The DEPARTMENT, during any fiscal year, shall not expend money, incur any liability, nor 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 one year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the DEPARTMENT which are for an amount in excess of TWENTY-FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

16. DISPUTES

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 decision upon all claims, questions, and disputes shall be final and conclusive upon the parties hereto.

17. ASSIGNMENT

This Agreement may not be assigned or transferred by the AGENCY, in whole or in part, without the prior written consent of the DEPARTMENT.

18. LAWS GOVERNING

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. The Agency agrees to waive forum and venue and that the Department shall determine the forum and venue in which any dispute under this agreement is decided.

19. EXCEPTION TO SUPERSEDED PRECEDING LANDSCAPE AGREEMENTS

This Agreement constitutes the complete and final expression of parties with respect to the subject matter hereof and supersedes all prior landscape agreements, understandings, or negotiations with respect thereto, with the exception of the landscape improvements plans and the associated Maintenance Plan Part II and the Agreements "Excepted Out" in Exhibit C.

20. NOTICES

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.
Ft. Lauderdale, FL 33309-3421
Attention: Elisabeth A. Hassett, R.L.A.
FDOT District IV Landscape Architect

If to the AGENCY:

City of Hollywood
2600 Hollywood Boulevard
Hollywood, Florida
Attention: Jonathan Vogt, P.E.
City Engineer

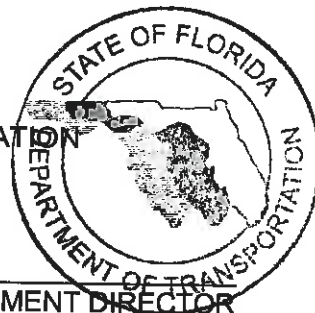
21. LIST OF EXHIBITS

- Exhibit A: Landscape Improvements Limits & Maintenance Boundaries List, Table and Graphic
- Exhibit B: Department and Permit Projects Pending Landscape Agreement(s)
- Exhibit C: Preceding Landscape Agreement Description(s) and Other Agreement Descriptions
- Exhibit D: Pending Department and Permit Projects Landscape Improvement Plans
- Exhibit E: Landscape Maintenance Plan
- Exhibit F: Pending Department Project(s) Cost Estimate
- Exhibit G: Agency Patterned Pavement Installation
- Exhibit H: Patterned Pavement Maintenance

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

CITY OF HOLLYWOOD

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION



By: 
PETER BOBER, MAYOR

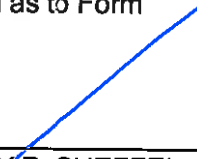
By: 
TRANSPORTATION DEVELOPMENT DIRECTOR

Attest:  (SEAL)
PATRICIA A. CERNY, MMC
CITY CLERK

Attest:  (SEAL)
EXECUTIVE SECRETARY

Approval as to Form

Approval as to Form

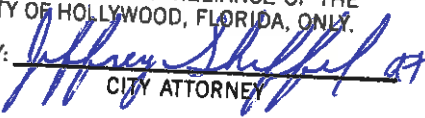

JEFFREY P. SHEFFEL, CITY ATTORNEY


OFFICE OF GENERAL COUNSEL

2/22/13
DATE

2/26/13
DATE

APPROVED AS TO FORM AND LEGALITY
FOR THE USE AND RELIANCE OF THE
CITY OF HOLLYWOOD, FLORIDA, ONLY.

BY: 
CITY ATTORNEY

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT A

**CITY OF HOLLYWOOD
LANDSCAPE IMPROVEMENT LIMITS AND MAINTENANCE BOUNDARIES LIST**

All state rights of way within the limits of the City of Hollywood to be maintained are from:

SR A1A

Section 86030000

(SR 858/Hallandale Beach Blvd.) MP 0.79 to (Dania Beach Blvd.) MP 5.380 except;
(600' N. of SR 858/Hallandale Beach Blvd.) MP 0.90 to (100' N. of Diplomat Property) MP 1.220 which will continued
to be maintained under separate agreement

SR 5/US 1

Section 86010000

(SR 824/Pembroke Road) MP 1.526 to (SR 822/Sheridan Street) MP 4.156

SR 5/US 1

Section 86010500

(Young Circle/North Side) MP 0.000 to (Young Circle/South Side) 0.248

SR 7/US 441

Section 86100000

(SR 824/Pembroke Road) MP 1.56 to (515' North of Farragut St.) MP 4.34

SR 820/Hollywood Blvd

Section 86040000

(SR 91/Turnpike) MP 13.64 to (N/S 28th Ave.) MP 16.826 and;
(N/S 17th St/Young Circle) MP 18.394 to (SR A1A) MP 19.956

SR 820/Hollywood Blvd

Section 86040215

(Eastbound Hollywood Circle) MP 0.00 to (Westbound Hollywood Circle) MP 0.277

SR 824/Pembroke Road

Section 86018000

(SW/S 52nd Ave.) M.P. 3.28 to (SR 9/I-95) MP 5.059 which will continue to be maintained under separate agreement and
(West of I-95) M.P. 5.059 to (370' W. of S. 28th Ave./N.W. 10th Ave.) M.P. 5.22

SR 822/Sheridan Street

Section 86230000

(SR 7/US 441) MP 0.000 to (SR A1A) MP 5.792 and
(SW 19th Court) M.P. 5.45 to (SW 18th Ave/Oakwood Boulevard) M.P. 5.7

SR 848/Stirling Road

Section 86016000

(SR 7/US 441) MP 2.656 to (N. 30th Ave.) MP 5.130

SR 9/I-95

Section 86070000

SR 820/Hollywood Blvd Interchange

Northwest Quadrant (southbound off ramp) MP 0.00 to 0.251 and;
Northeast Quadrant (northbound on ramp) MP 0.00 to 0.204 and;
Southwest Quadrant (southbound on ramp) MP 0.00 to 0.166 and;
Southeast Quadrant (northbound off ramp) MP 0.00 to 0.264

SR 822/Sheridan Street Interchange

Northwest Quadrant (southbound off ramp) MP 0.00 to 0.212 and;
Northeast Quadrant (northbound on ramp) MP 0.00 to 0.209 and;
Southwest Quadrant (southbound on ramp) MP 0.00 to 0.216 and;
Southeast Quadrant (northbound off ramp) MP 0.00 to 0.258

SR 824/Pembroke Road Interchange:

Northwest Quadrant (southbound off ramp) MP 0.00 to 0.258 and;
Northeast Quadrant (northbound on ramp) MP 0.00 to 0.215

SR 848/Stirling Road Interchange

Southwest Quadrant (southbound on ramp) MP 0.00 to 0.211 and;
Southeast Quadrant (northbound off ramp) MP 0.00 to 0.254

Taft Street Limited Access, all quadrants MP 3.580 to 3.589

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT A

CITY OF HOLLYWOOD LANDSCAPE MAINTENANCE LIMITS TABLE
The following are State Road(s) to be maintained within the limits of the
City of Hollywood

STATE ROAD	BEGIN LIMITS	BEGIN MILEPOST	END LIMITS	END MILEPOST	MAINTENANCE LIMITS	
A1A	SR 858/Hallandale Bch. Blvd.	0.790	Dania Beach Blvd.	5.380	ROW to ROW	86030000
A1A EXCEPTION	600' N. of SR 858/Hallandale Beach Blvd.	0.900	100' N. of Diplomat Property	1.220	ROW to ROW	86030000
5/US 1	824/Pembroke Road	1.526	822/Sheridan Street	4.156	ROW to ROW	86010000
5/US 1	Young Circle North Side	0.000	Young Circle South Side	0.248	ROW to ROW	86010500
7/US 441	824/Pembroke Road	1.560	515' N. of Farragut Street	4.340	ROW to ROW	86100000
820/Hollywood Blvd	SR 91/Turnpike	13.640	N/S 28th Ave.	16.826	ROW to ROW	86040000
820/Hollywood Blvd	N/S 17th Ave. Young Circle	18.394	SR A1A	19.956	ROW to ROW	86040000
820/Hollywood Blvd	EB Hollywood Circle	0.000	WB Hollywood Circle	0.277	ROW to ROW	86040215
822/Sheridan Street	SR 7/ US 441	0.000	SR A1A	5.792	ROW to ROW	86230000
824/Pembroke Road EXCEPTION	SW/S 52nd Ave.	3.28	SR 9/I-95	5.059	ROW to ROW	86018000
824/Pembroke Road	(West of 1-95)	5.059	(370' W. of S. 28th Ave./N.W. 10th Ave.)	5.22	ROW to ROW	86018000
848/Stirling Road	SR 7/ US 441	2.656	N. 30th Ave.	5.130	ROW to ROW	86016000
848/Stirling Road	SW 19th Court	M.P. 5.45	S.W. 18th Ave./Oakwood Boulevard	5.7	ROW to ROW	86016000

9/I-95	820/Hollywood Blvd Interchange					
	NW Quadrant	0.000		0.251	Southbound off ramp	86070015
	NE Quadrant	0.000		0.204	Northbound on ramp	86070016
	SW Quadrant	0.000		0.166	Southbound on ramp	86070014
	SE Quadrant	0.000		0.264	Northbound off ramp	86070017
9/I-95	822/Sheridan Street Interchange					
	NW Quadrant	0.000		0.212	Southbound off ramp	86070019
	NE Quadrant	0.000		0.209	Northbound on ramp	86070020
	SW Quadrant	0.000		0.216	Southbound on ramp	86070018
	SE Quadrant	0.000		0.258	Northbound off ramp	86070021
9/I-95	824/Pembroke Road Interchange					
	NW Quadrant	0.000		0.258	Southbound off ramp	86070011
	NE Quadrant	0.000		0.215	Northbound on ramp	86070012
9/I-95	848/Stirling Road Interchange					
	SW Quadrant	0.000		0.211	Southbound on ramp	86070022
	SE Quadrant	0.000		0.254	Northbound off ramp	86070024
9/I-95	Taft St. Limited Access Easement	3.580		3.589	All quadrants	86070000

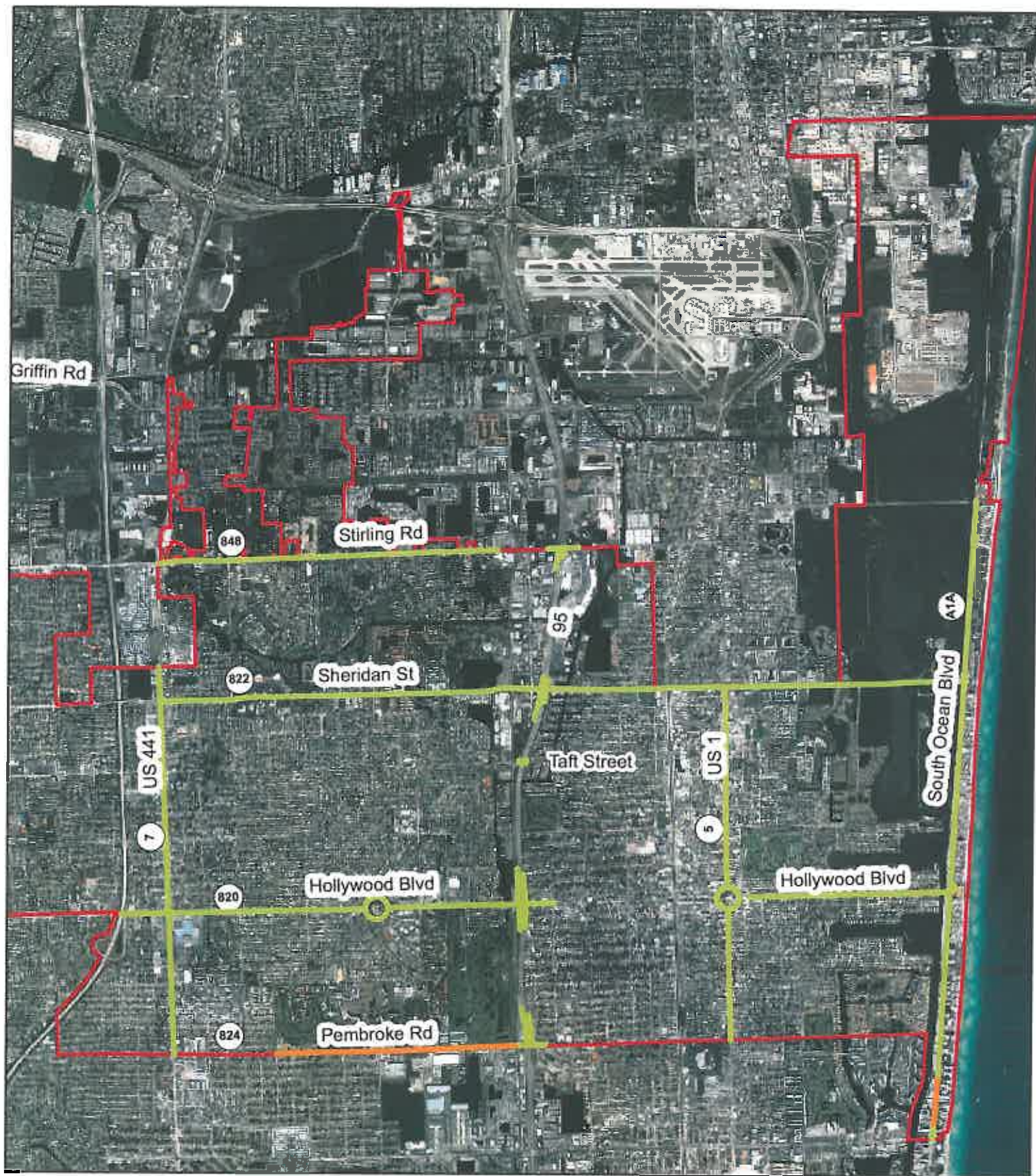
Areas to be maintained by the Agency pursuant to this Landscape Maintenance Memorandum of Agreement (MOA).

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT A

CITY OF HOLLYWOOD LANDSCAPE MAINTENANCE LIMITS GRAPHIC

***See Attached Graphic of State Road(s) to be maintained within the limits of the
City of Hollywood***



LEGEND

- ▬ Hollywood City Limits
- ▬ Inclusive Agreement
- ▬ Excepted Out

City of Hollywood

Inclusive Landscape Maintenance Memorandum of Agreement
Maintenance Boundary Graphic



SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT B

DEPARTMENT AND PERMIT PROJECTS PENDING LANDSCAPE AGREEMENT(S)

DEPARTMENT PROJECTS:

State Road 9 (I-95) and State Road 824 (Pembroke Road) Interchange, northwest quadrant from M.P. 0.00 to M.P. 0.258 and northeast quadrant from M.P. 0.000 to M.P. 0.215

State Road 9 (I-95) and State Road 820 (Hollywood Boulevard) Interchange, northwest quadrant M.P. 0.00 to M.P. 0.251 and northeast quadrant M.P. 0.00 to M.P. 0.204 and southwest quadrant M.P. 0.00 to M.P. 0.166 and southeast quadrant M.P. 0.00 to M.P. 0.264

State Road 9 (I-95) and State Road 848 (Stirling Road) Interchange, southwest quadrant from M.P. 0.00 to M.P. 0.211 and southeast quadrant from M.P. 0.00 to M.P. 0.254

ADJACENT PROPERTY OWNER PERMIT:

SR A1A (North Ocean Drive) at Johnson Street (M.P. 2.980). Permit Number: 2011-A-491-0054.
Margaritaville Hollywood Beach Resort, LLC.

SR 5 (Federal Highway) at Young Circle (M.P. 2.50 - 2.60). Permit Number: 2011-A-491-0013.
Broward County Transit.

SR A1A (Ocean Drive) from New York Street (M.P. 2.793) to Sheridan Street (M.P. 4.089).
City of Hollywood CRA

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT C

PRECEDING LANDSCAPE AGREEMENT DESCRIPTION(S) AND OTHER AGREEMENT DESCRIPTIONS

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

LANDSCAPE AGREEMENTS SUPERSEDED BY THIS AGREEMENT

State Road A1A

3/17/98 State Road A1A from Hollywood Blvd. (M.P. 2.480) to Sheridan Street (M.P. 4.092) \$590,000.00 for landscape, irrigation and hardscape. WPI# 4110805, Resolution No. R-98-09 (1/7/98).

11/20/96 State Road A1A from south City Limits (M.P. 0.776) to (M.P. 2.500) to SR 820 (Hollywood Blvd.) \$64,872.32 for landscape, irrigation and hardscape. WPI# 4119110, Contract No. AD 957, Resolution No. R-96-433 (10/2/96).

1/3/91 State Road A-1-A from south City Limits (M.P. 0.776) to SR 820 (Hollywood Blvd.) (M.P. 2.614) for landscape. WPI #4119110, Resolution No. R-91-01 (1/3/91).

State Road 5 (US 1)

9/30/08 State Road 5 (US 1) from north of Young Circle (M.P. 2.713) to south of Sheridan Street (M.P. 4.117) \$83,794.78 for landscape, irrigation and pavers. FM# 413794.1, Resolution No. R-2008-284 (9/17/08).

4/9/03 State Road 5 (US 1) from Pembroke Road (M.P. 1.597) to northern limits of Young Circle (M.P. 2.713) \$221,576.91 for landscape and irrigation. FM# 228034.1, Resolution No. 2003-119 (4/9/03).

4/11/96 State Road 5 (US 1) and SR 820 (Hollywood Blvd.) (M.P. 0.000) at Young Circle (M.P. 0.248) \$5,000.00 for landscape and irrigation WPI# 4111027, Resolution No. R-95-432 (10/11/95).

State Road 9 (I-95)

4/29/10 State Road 9 (I-95) Intersection at Taft Street all four corners (M.P. 3.580 to M.P. 3.589) for landscape. Permit No. 2009-L-491-0012.

5/6/98 State Road 9 (I-95) at SR 824 (Pembroke Road) (M.P. 1.521) and SR 822 (Sheridan Street) (M.P. 4.130) \$240,000.00 for landscape, irrigation and hardscape. WPI# 4140996, Contract No. AF 780, Resolution No. R-98-92 (3/4/98).

9/9/97 State Road 9 (I-95) and SR 820 (Hollywood Blvd.) (M.P. 2.3) to (M.P. 2.826) \$80,000.00 for landscape and irrigation. WPI# 4119110, Contract No. AF 081, Resolution No. R-97-334 (6/25/97).

7/1/96 State Road 9 (I-95) from east side from Pembroke Road (M.P. 1.521) to Hollywood Blvd. (M.P. 2.550) \$42,155.00, for landscape WPI# 4612012, Contract No. AD 673, Resolution No. R-96-72 (2/21/96).

State Road 820 (Hollywood Blvd.)

7/28/10 State Road 820 (Hollywood Blvd.) from east of 60th Avenue (M.P. 14.018) to 44th Avenue (M.P. 15.395) \$447,527.68 for landscape and irrigation. FM # 421659.2, Resolution No. R-2010-174 (7/14/10).

11/17/08 State Road 820 (Hollywood Blvd.) from Young circle (M.P. 18.394) to Intracoastal Waterway (M.P. 19.638) \$201,246.50 for landscape and irrigation. FM# 413835.1, Resolution No. R-2008-283 (11/5/08).

1/5/07 State Road 820 (Hollywood Blvd.) from N/S 44th Ave. (M.P. 15.241) to Calle Largo Road (M.P. 16.431) \$116,103.00 for landscape and irrigation. FM# 228160.1, Resolution No. 2006-432 (12/20/06).

2/2/05 State Road 820 (Hollywood Blvd.) at the Intracoastal Waterway from north and south 8th Ave. (M.P. 19.637) to SR A1A (M.P. 19.956), FM# 407507.1, Resolution R-2005-023 (2/2/05).

5/10/00 State Road 820 (Hollywood Blvd.) from west City Limits (M.P. 13.640) to SR 9 (I-95) (M.P. 16.583) \$374,307.00 for landscape, irrigation and hardscape. FM# 408437.1, Contract No. AI 477, Resolution No. R-2000-121 (4/5/00).

6/16/93 State Road 820 (Hollywood Blvd.) (M.P. 15.679) to (M.P. 16.876) Maintenance MOA Grant \$75,306.55 landscape maintained. WPI# 4610128, Resolution No. 93-219 (6/16/93).

6/16/93 State Road 820 (Hollywood Blvd.) (M.P. 15.679) to (M.P. 16.876) Highway Beautiful Grant MOA \$75,306.55 landscape installed. Resolution No. 93-219 (6/16/93).

State Road 822 (Sheridan Street)

11/25/08 State Road 822 (Sheridan Street) from east of SR 7 (US 441) (M.P. 0.02) to west of SR 9 (I-95) (M.P. 2.709) \$184,960.60 for landscape and irrigation. FM# 416883.1, Resolution No. R-2008-340 (11/5/08).

3/31/04 State Road 822 (Sheridan Street) from SR 5 (US 1) (M.P. 4.057) to the Intracoastal Waterway (M.P. 5.642) \$192,716.85 for landscape, irrigation and concrete pavers. FM# 227938.1, Resolution No. R-2004-85 (3/17/04).

7/10/92 State Road 822 (Sheridan Street) from 46th Ave. (M.P. 1.134) to SR 9 (I-95) (M.P. 2.715) \$175,437.00 for landscape. WPI# 4610104, Resolution No. R-92-12 (7/10/92).

7/17/91 State Road 822 (Sheridan Street) from east of SR 9 (I-95) (M.P. 2.771) to SR 5 (US 1) (M.P. 4.570) \$125,150.82 for landscape materials.

4/12/77 Amendment to 4/19/72 Agreement State Road 822 (Sheridan Street) from SW 56th Ave. (M.P. 0.503) to SR 9 (I-95) (M.P. 2.739) to maintain the entire landscape project including the irrigation system. Resolution No. R-77-36 (3/16/77).

4/19/72 State Road 822 (Sheridan Street) from SW 56th Ave. (M.P. 0.503) to SR 9 (I-95) (M.P. 2.739) to maintain the entire landscape project including the irrigation system. Resolution No. R-72-85 (4/19/72).

State Road 824 (Pembroke Road)

8/28/08 State Road 824 (Pembroke Road) from S.W. 52nd Avenue (M.P. 3.382) to SR 9 (I-95) (M.P. 5.059) \$108,211.00 for landscape. FM# 423266, Contract No. AP747, Resolution R-2007-141 (5/2/07).

3/3/98 State Road 824 (Pembroke Road) from SR 7 (US 441) (M.P. 2.528) to CSX Railroad (M.P. 5.007) \$300,000.00 for landscape & irrigation. WPI# 4111065, Resolution No. 97-522 (11/19/97).

State Road 848 (Stirling Road)

5/23/06 State Road 848 (Stirling Road) from east of US 441 (M.P. 2.728) to west of State Road 9 (I-95) (M.P. 5.00) \$189,670.00 for landscape and irrigation, FM# 411438.1, Resolution No. R-2006-135 (5/3/06).

10/8/01 State Road 848 (Stirling Road) from N 56th Ave. (M.P. 3.160) to SR 9 (I-95) (M.P. 5.532) \$163,682.00 (Amendment to 3/26/98) for landscape. FM# 411416.1, Contract No. AK503, Resolution No. R-2001-032 (10/8/01).

3/26/98 State Road 848 (Stirling Road) at SR 9 (I-95) (M.P. 5.532) \$62,332.50 for landscape irrigation and hardscape. WPI# 4111147, Contract No. AF 730, Resolution No. R-9891 (3/4/98).

PERMIT PROJECTS PENDING LANDSCAPE AGREEMENTS

State Road A1A

9/11/12 State Road A1A (North Ocean Drive) at Johnson Street (M.P. 2.980) for landscape. Permit #2012-L-491-0005 (Reference Permit Number: 2011-A-491-0054 issued to Margaritaville Hollywood Beach Resort, LLC), Agency Letter of Commitment to Maintain signed 9/11/12.

State Road 5 (US 1)

State Road 5 (Federal Highway/US 1) at Young Circle (M.P. 2.50-2.60) Permit No. 2011-A-491-0013 issued to Broward County Transit. Agency Letter of Commitment to Maintain signed November 21, 2012.

FUTURE PROJECTS PENDING AGREEMENTS

State Road 7 (US 441)

State Road 7 (US 441) from State Road 858 (Hallandale Beach Blvd.) (M.P. 1.701) to Fillmore Street (M.P. 2.841) FM # 227774.1. Letting Date: 10/30/13

State Road 7 (US 441) From north of Fillmore Street (M.P. 2.841) to south of State Road 848 (Stirling Road) (M.P. 4.340) FM # 227775.1. Letting Date: 4/29/15

LANDSCAPE AGREEMENTS EXCEPTED OUT OF THIS AGREEMENT

11/17/00 State Road A1A from 600' north of Hallandale Beach Blvd. (M.P. 0.787) to just north of the Diplomat Resort Property Line (M.P. 1.200) All pavers, sidewalks and curbs associated with paver bricks, roadway asphalt and base, drainage systems and drainage conveyance within the Departments right-of-way, Project No. 86050.

10/27/00 State Road 824 (Pembroke Road) from SR 7 (US 441) (M.P. 2.528) to SR 9 (I-95) (M.P. 5.059) For landscape and pavers. FM# 409822.1 Contract No. AJ356, Resolution No. R-97-522 (11/19/97). Reimbursable Agreement.

LEASE AGREEMENT EXCEPTED OUT OF THIS AGREEMENT

5/3/94 State Road A1A. Lease agreement for Airspace

This Agreement, pursuant to paragraph number 5, shall supersede all other above agreements except as to the actual landscape plans and project cost that have not been replanted by subsequent FDOT approved projects and those that are "excepted out". The terms of this agreement shall apply to those landscape plans.

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT D

PENDING DEPARTMENT AND PERMIT PROJECT LANDSCAPE IMPROVEMENT PLANS

Please see attached plans by:

Department Projects Plans

State Road 9 (I-95) at Pembroke Road

State Road Reynolds, Smith and Hills, Inc.
Ronald R. Sill, RLA

Dated: 10/15/12

State Road 9 (I-95) at Hollywood Boulevard

State Road Reynolds, Smith and Hills, Inc.
Ronald R. Sill, RLA

Dated: 10/15/12

State Road 9 (I-95) at Stirling Road

State Road Reynolds, Smith and Hills, Inc.
Ronald R. Sill, RLA

Dated: 10/15/12

Permit Projects Plans

State Road A1A

Lifescapes International
Dan Trust, RLA

Dated: 10/17/11

State Road 5

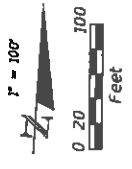
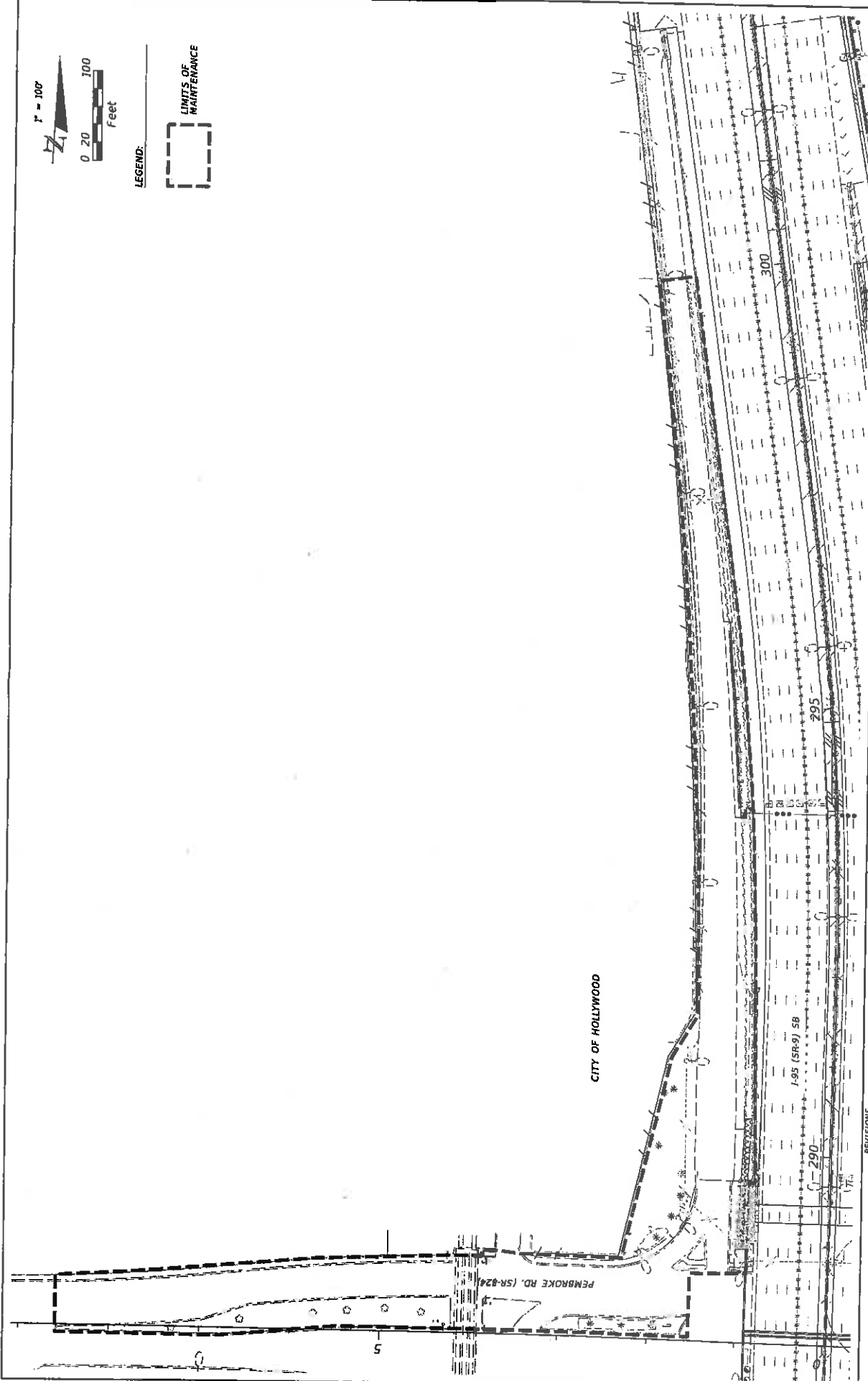
Architectural Alliance
Hugh Johnson, RLA

Dated: 11/12/12

State Road A1A

Kimley Horn
Jonathan Haigh, RLA

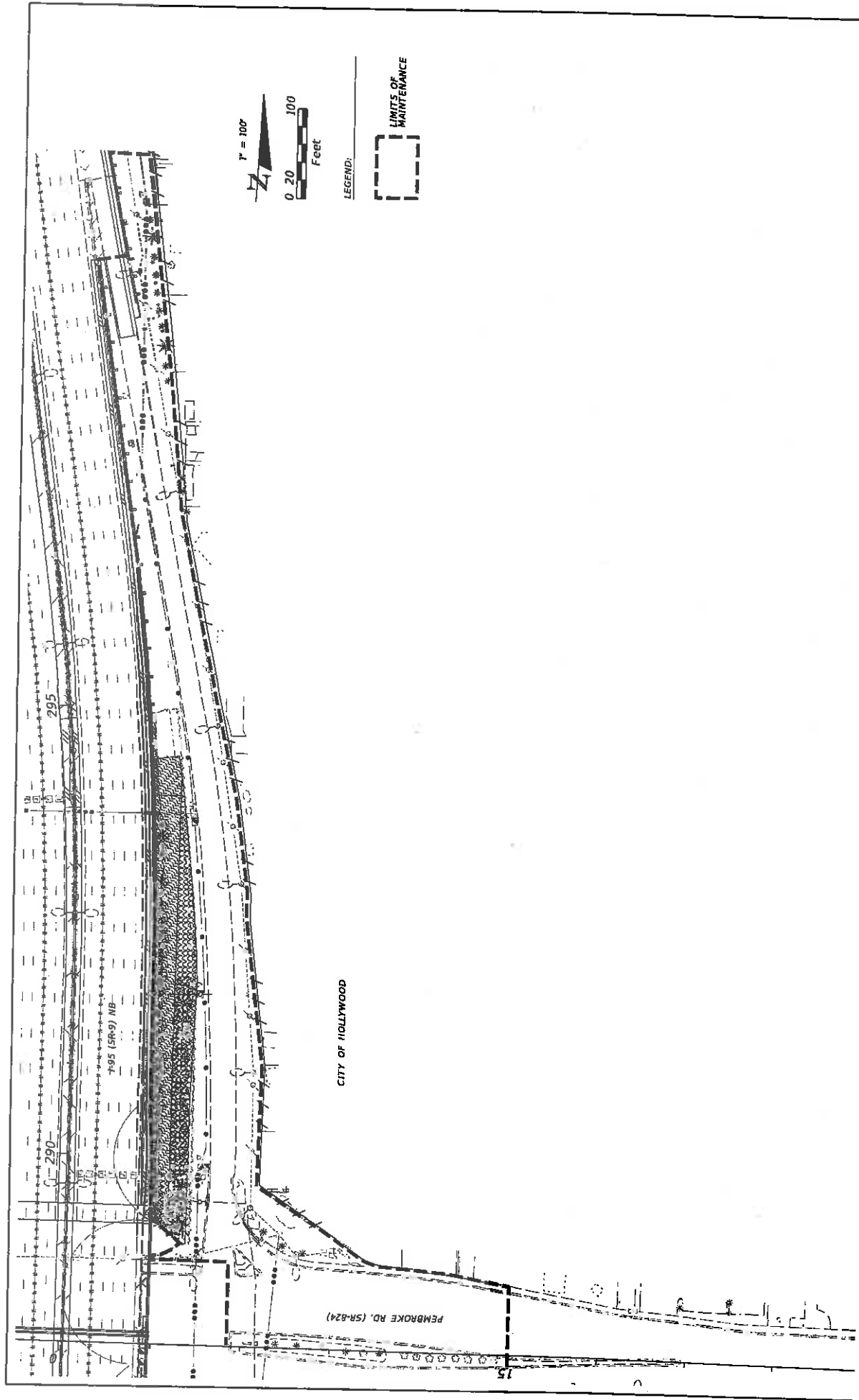
Dated: 1/23/13



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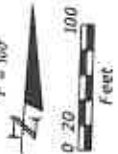
LIMITS OF MAINTENANCE

MAINTANENCE AGREEMENT EXHIBIT		SHEET NO. 104-A	
REYNOLDS, SMITH AND HILLS, INC. 1001 N. W. 10th Ave., Suite 100 Fort Lauderdale, FL 33304 Phone: (305) 441-0000 Telex: 150000 Cable: R. SM. R.L.A. No. 127		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION	
ROAD NO. SR 9	COUNTY BROWARD	FINANCIAL PROJECT ID 422796-1-52-01 422796-2-52-01	
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION										
RS&H Reynolds, Smith and Hills, Inc. 100 N. Commercial St., Suite 100 Fort Lauderdale, FL 33304 Telephone: (305) 463-1000 Telex: 150000 RSH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td>SR 9</td> <td>BROWARD</td> <td>422796-1-52-01</td> </tr> <tr> <td></td> <td>MIAMI-DADE</td> <td>422796-2-52-01</td> </tr> </table> MAINTANANCE AGREEMENT EXHIBIT										ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 9	BROWARD	422796-1-52-01		MIAMI-DADE	422796-2-52-01
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																
SR 9	BROWARD	422796-1-52-01																
	MIAMI-DADE	422796-2-52-01																
SHEET NO.		104-B																

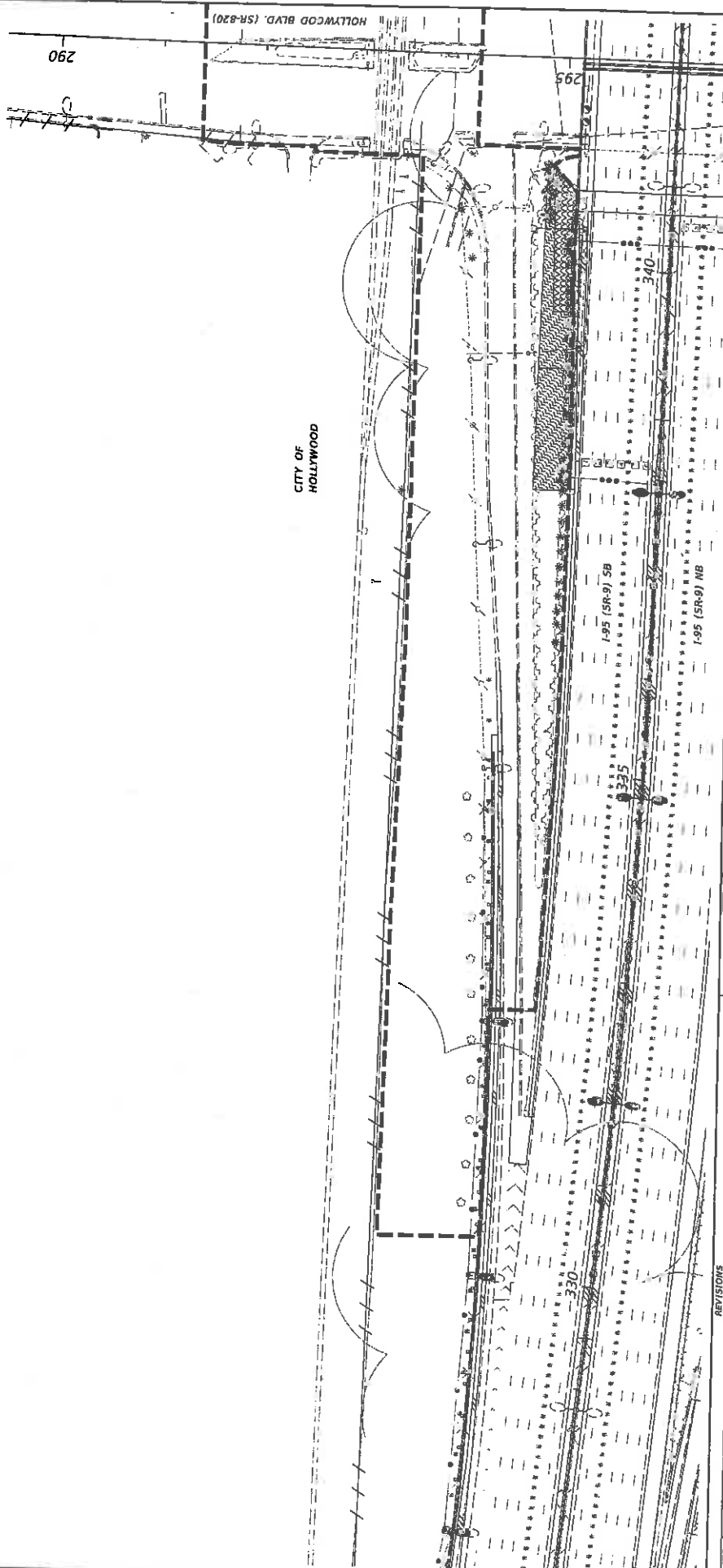
1" = 100'



LEGEND:



LIMITS OF
MAINTENANCE



CITY OF
HOLLYWOOD

DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION	
RS&H Reynolds Smith and Hills, Inc. 1105 W. Commercial Ave., Suite 200 Fort Lauderdale, Florida 33304-4444 Certified Professional Engineer Professional Seal No. 1572									
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				ROAD NO. SR 9		COUNTY BROWARD		FINANCIAL PROJECT ID 422796-1-52-01 422796-2-52-01	
MAINTENANCE AGREEMENT EXHIBIT				SHEET NO.		105-A			

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1" = 100'



LEGEND



LIMITS OF
MAINTENANCE

CITY OF
HOLLYWOOD

HOLLYWOOD BLVD. (SR-820)

290

295

I-95 (SR-9) SB

345

I-95 (SR-9) NB

355

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



Reynolds, Smith and Hills, Inc.
1001 N. Commercial Ave., Suite 100
Fort Lauderdale, FL 33304
(954) 571-2000
Fax: (954) 571-2001
Reynolds, Smith and Hills, Inc.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9	BROWARD	422796-1-52-01
	MIAMI-DADE	422796-2-52-01

MAINTENANCE
AGREEMENT EXHIBIT

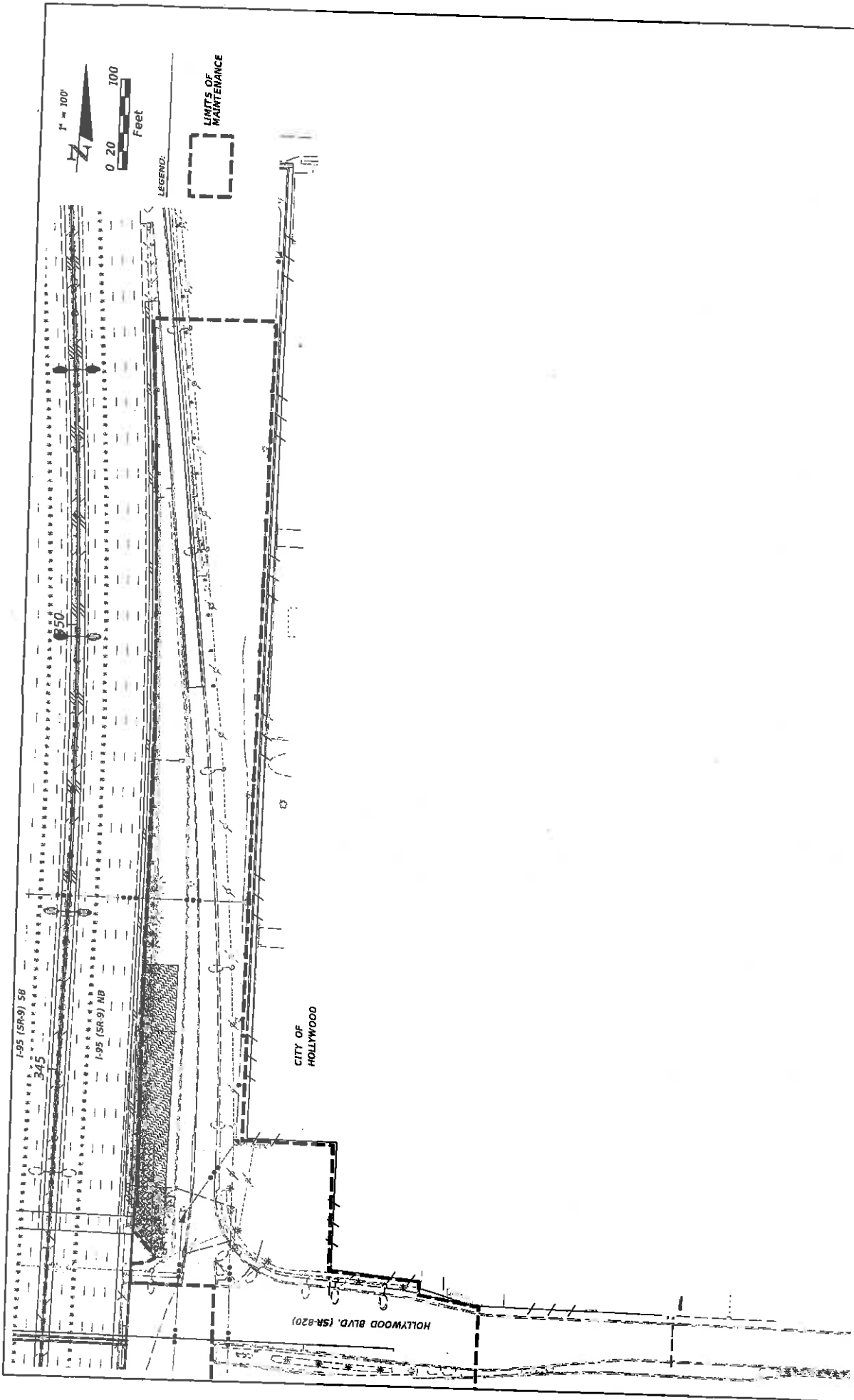
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LEGEND:



LIMITS OF MAINTENANCE

DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION	
RS&H Reynolds, Smith and Hills, Inc. 1401 N. Commercial Ave., Suite 120 Fort Lauderdale, FL 33304 Telephone: 561-411-0001 Facsimile: 561-411-0002 Revised: 06/14/96 STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 9 COUNTY BROWARD FINANCIAL PROJECT ID 422796-1-52-01 422796-2-52-01 10/17/2012 3:15PM PM 105-C									

POTTERY SCHEDULE

[illegible][illegible]

SITE AMENITY SCHEDULE

[illegible]

SHEET TITLE:
LANDSCAPE
BOTTENY & BITE ALUMINUM DOORS & CO

NEW

DATE: MM/DD/YYYY
SCALE: AS NOTED
FRAME ST: MM
CHECKED BY: DA
JOB NO.: 10066

L0.04



Laboratory International, Inc.
4570 Campus Drive
Houston, Texas, 77056-1201
Phone 281/478-1800 • Fax 281/478-1801
Website: www.laboratory.com

PROJECT DESIGN TEAM

ARCHITECTS
ARCHINE GROUP ARCHITECTS
10077 W. 10th Avenue
Denver, CO 80231
Tel: (303) 751-1000
Fax: (303) 751-1004
E-mail: info@archine.com

INTERIOR DESIGNER
NAT MORGAN CO.
10000 W. 10th Ave.
Denver, CO 80231
Tel: (303) 751-1000
Fax: (303) 751-1004
E-mail: nat@morgancoweb.com

MECHANICAL ENGINEER
J. E. P. ENGINEERS
10000 W. 10th Ave.
Denver, CO 80231
Tel: (303) 751-1000
Fax: (303) 751-1004
E-mail: jep@jepengineers.com

CIVIL ENGINEERING
 CONSULTING ENGINEERING & SCIENCE, INC.
 6000 N. 19th Avenue, Suite 200
 Denver, CO 80202
 (303) 751-1100
 Fax: (303) 751-1101
 E-mail: info@csesinc.com

CONCRETE
SUNDAUT AVENUE HOLLYWOOD
BEACH RESORT, LLC
JIMMY N. OCEAN DRIVE
MIAMI BEACH, FL 33139



9

DATE: 11/16/2011
E-MAILS FOR: 71% CONSTRUCTION

REV. DATE	No.	DATE	REMARKS
	1	10/10/1968	1. 10/10/1968
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SHEET TITLE:
LANDSCAPE

2008.157

DATE: MMDDYYYY
SCALE: AS NOTED
SERIAL BY: NM
CHECKED BY: DM
JOB NO.: 10046

L0.04



L'Orange International, Inc.
Landscape Architecture
10000 West 10th Avenue
Suite 100
Denver, CO 80202
Phone: (303) 751-1000
Fax: (303) 751-1001
www.lorange.com

PROJECT DESIGN TEAM:

ARCHITECT:
ARCHITECTURAL DESIGN GROUP, INC.
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Denver, CO 80202
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Fax: (303) 751-1001
www.architectural-design.com

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Denver, CO 80202
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www.nec-engineers.com

STRUCTURAL ENGINEER:
STRUCTURAL ENGINEERS
10000 West 10th Avenue
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Denver, CO 80202
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Fax: (303) 751-1001
www.structural-engineers.com

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CONSULTING ENGINEERS & DESIGN, INC.
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Denver, CO 80202
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Fax: (303) 751-1001
www.consulting-engineers.com

CONTRACTOR:
HARRINGTONVILLE HOLLYWOOD
10000 West 10th Avenue
Suite 100
Hollywood, FL 33018
Phone: (305) 961-1000
Fax: (305) 961-1001
www.harringtonville.com

RETAIL:
HARRINGTONVILLE HOLLYWOOD
10000 West 10th Avenue
Suite 100
Hollywood, FL 33018
Phone: (305) 961-1000
Fax: (305) 961-1001
www.harringtonville.com

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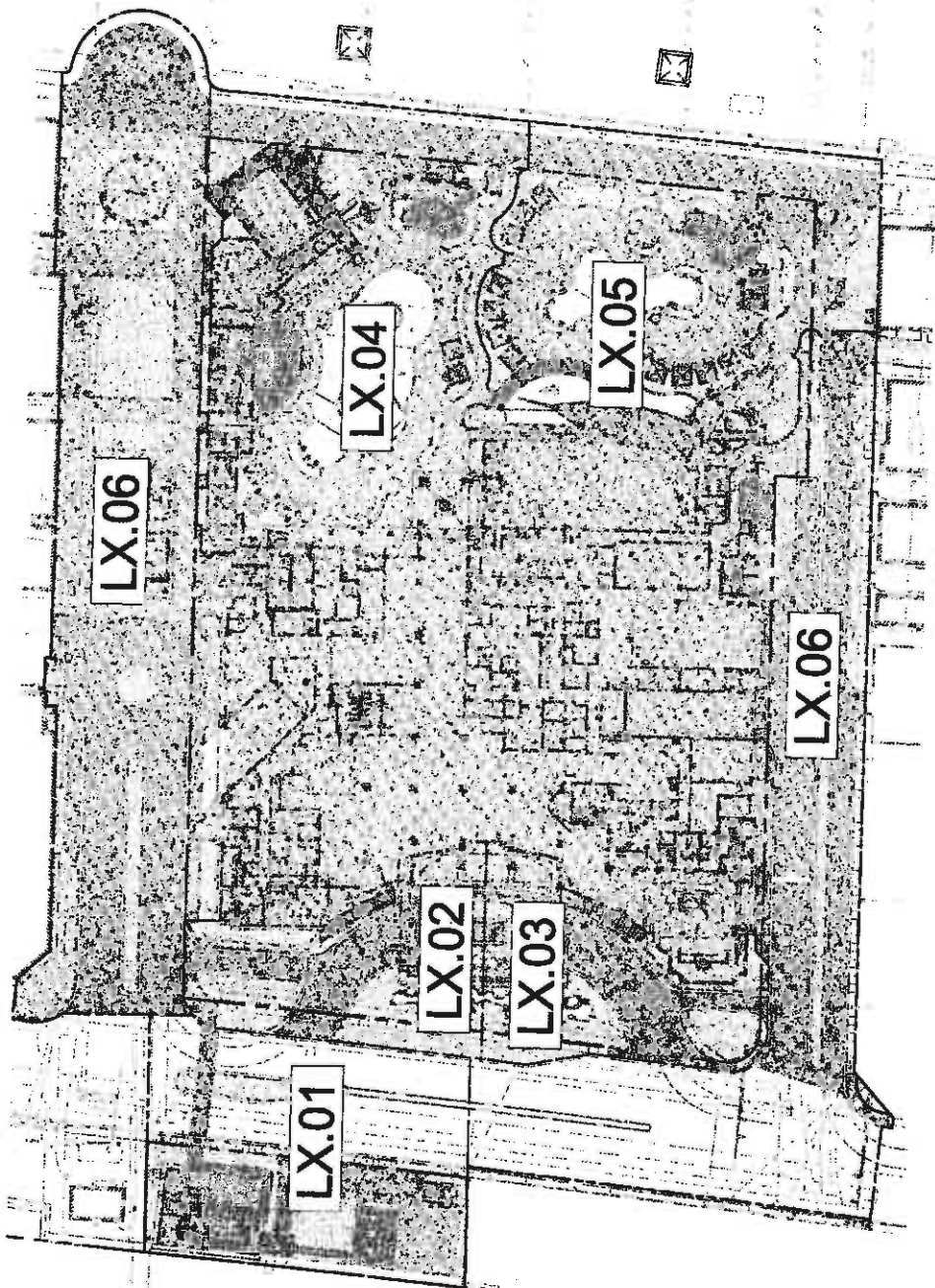
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1/1/2001



NOT IN CONTRACT



SCALE: 1"=20'

L1.01

[illegible]

CONIERE
 8430 CAMDEN AVENUE HOLLYWOOD
 BEACH FL 33061, U.S.A.
 3041 N. OCEAN DRIVE
 HOLLYWOOD, FLORIDA 33018

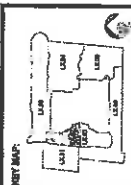


1703

ISSUED FOR: 76% CONSTRUCTION
DATE: 11/16/2011

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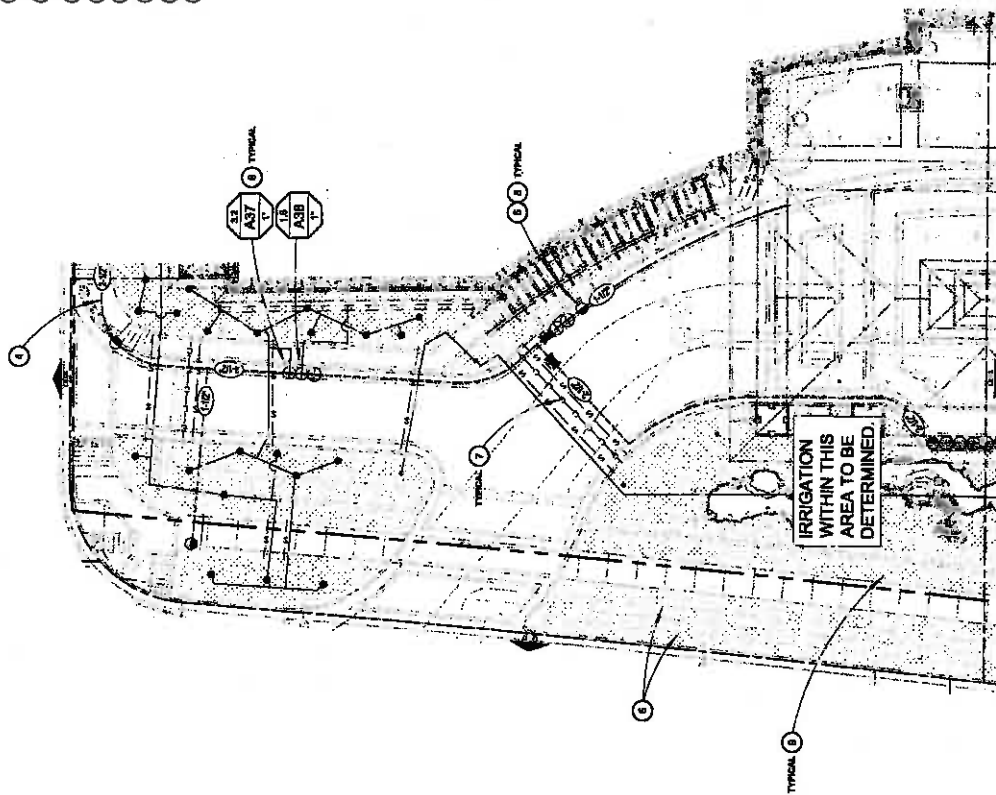
SHEET TITLE:
LANDSCAPE - LEVEL 01
IRRIGATION PLAN - TRILESS



DATE 10/27/11
SCALE 1" = 10'-0"
DESIGNED BY MM
CHECKED BY DA
JOB NO. 10040

18.02

- 1 PART OF CONCRETE, BUT NOT OVER THE BASE.
- 2 LANDSCAPE ARCHITECTS TO LOCATE EXISTING WATER AND THE IS WITHIN THE SAME LINE.
- 3 LANDSCAPE CONTRACTOR SHALL CONSULT IN ADVANCE OF THE PLANS WITH THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS TO DETERMINE THE LOCATION OF ALL EXISTING UTILITIES.
- 4 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 5 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 6 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 7 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 8 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 9 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 10 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 11 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 12 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.
- 13 MATERIALS TO BE USED SHALL BE APPROVED BY THE PLANNING DEPARTMENT, ELECTRICAL, COMMUNICATIONS, WATER AND SEWER AND THE DEPARTMENT OF PUBLIC WORKS.



IRRIGATION
WITHIN THIS
AREA TO BE
DETERMINED.



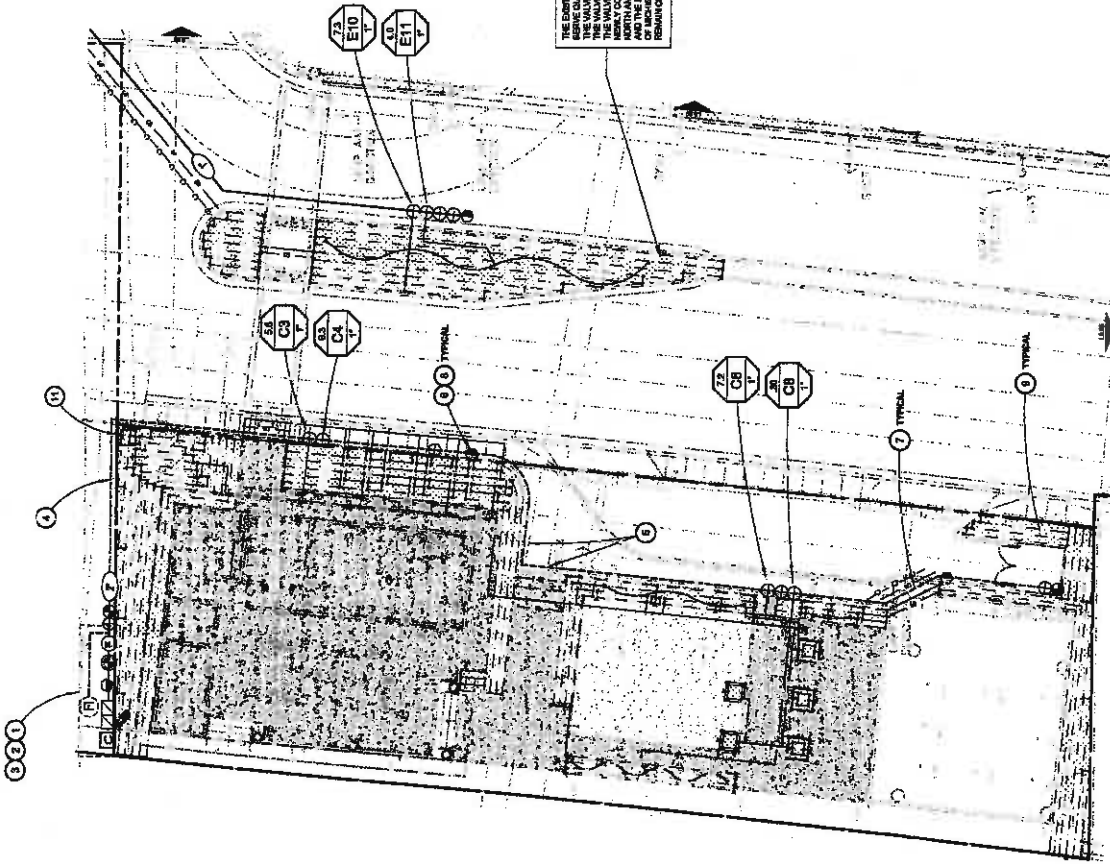
**Russell-
RC
Petan**
LAWSONE REMEDIATION DESIGN
PO BOX 3888
3030 POWERHOUSE
CHANDLER, AZ 85044
(480) 844-2705
russellrcpetan@gmail.com

LINE SIZING CHART			
CLASS 300 PVC		SCHEDULE 40 PVC	
SIZE	GPM	SIZE	GPM
3/4"	0-8	3/4"	0-4
1"	8-12	1"	5-8
1-1/4"	12-18	1-1/4"	8-18
1-1/2"	17-25	1-1/2"	17-24
2"	25-42	2"	26-40

100

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- 1 EVENT OF CONVICTION, ANY PARTY WILL BE THE BEST.
- 2
- 3 LANDSCAPE CONTRACTOR TO LOCATE EXISTING SURVEY METERS AND TO BE WITHIN NEW PINE BARK LINE.
- 4 THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 5 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 6 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 7 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 8 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 9 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 10 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 11 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 12 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 13 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 14 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 15 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 16 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 17 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 18 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 19 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING
- 20 DEPARTMENT, AND THE LANDSCAPE CONTRACTOR SHALL PROVIDE A SCHEDULED IN PLACE OF THE CONTRACT WITH THE PLANNING



THE EXISTING MEDIAN IS TO BE RECONFIGURED. PRESENTLY 20 VALVES SERVE GROUND PUMPS ON THE EAST SIDE, AND LANDSCAPE ON THE WEST SIDE OF AIA. THE VALVES ARE CONTROLLED BY A BATTERY OPERATED CONTROLLER LOCATED AT THE VALVE. THE VALVE BACK FLOW DEVICE AND MAIN LINE ARE TO BE RELOCATED WITHIN THE MEDIAN. THE EXISTING MAIN CUT AND CAP EXISTING LOCATIONS CROSSING THE MEDIAN WILL BE REMOVED. THE EXISTING PUMP FOR THESE VALVES, NORTH AND THE MEDIAN TO THE SOUTH, IS A BATTERY LOCATED ON THE NORTH-EAST CORNER OF MICHIGAN STREET AND A-1. NEW STREET LIGHTS, THE VALVES AND MEDIAN ARE TO REMAIN OPERATIONAL.

Reagan
NATIONAL POLITICAL MANAGEMENT
1415 17th Street
N.W.
Washington, D.C. 20036
202-462-4400



DIAL ALERT
TOLL FREE
1-800-237-3888

POC 2 - (1) EXISTING 1" POTABLE WATER MAIN BY OTHERS; CONTROLLER C; REDUCED PRESSURE BACK FLOW DEVICE, MASTER VALVE AND FLOW SENSOR, AND FERTILIZER INJECTION SYSTEM BY THE LANDSCAPE CONTRACTOR.

LINE SIZES CHART		
CLASS 200 PVC		SCHEDULE 40 PVC
SIZE	OD	SIZE
3/4"	0-8	0-4
1"	0-12	5-8
1-1/4"	12-18	8-10
1-1/2"	17-25	10-12
2"	26-42	12-24
		25-40

0. 8 18 20
SCA 10-10-00

L9.01

L9.01

SHEET TITLE:
LANDSCAPE - LEVEL 01
IRRIGATION PLAN - SHADBLIND

KEY MAP:

The key map shows the city of Ljubljana with four study sites marked: L1 (in the center), L2 (to the west), L3 (to the north), and L4 (to the east). A scale bar indicates 0 to 10 km.

DATE 10/27/15
SCALE 1" = 10'-0"
DRAWN BY: NCM
CHECKED BY: DA
JOB NO. 10048

TEST NO. 1

L9.01

11/15/2011
 DATE: 11/15/2011

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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OWNER:
MARGARTAVILLE HOLLYWOOD
BEACH RESORT, LLC
3501 N. OCEAN DRIVE
HOLLYWOOD, FLORIDA 33019

[illegible]

Landscape International, Inc.
4300 Central Expressway
Irvine, CA 92614
P.O. Box 1000, P.O. Box 1000
Irvine, CA 92614-1000



Russell Group, Inc.
Landscape Architecture
10000 Wilshire Blvd., Suite 1000
Beverly Hills, CA 90210
Tel: 310.274.1100
Fax: 310.274.1101
www.russellgroup.com

PROJECT DESIGN TEAM:
ARCHITECTS: [Faint text]
LANDSCAPE ARCHITECTS: [Faint text]
ENGINEERS: [Faint text]
PLANNING: [Faint text]
CONSTRUCTION: [Faint text]

CLIENT: MARGARET M. LEHMAN
[Faint text]
[Faint text]

DATE: 11/15/2011
SCALE: 1" = 10'

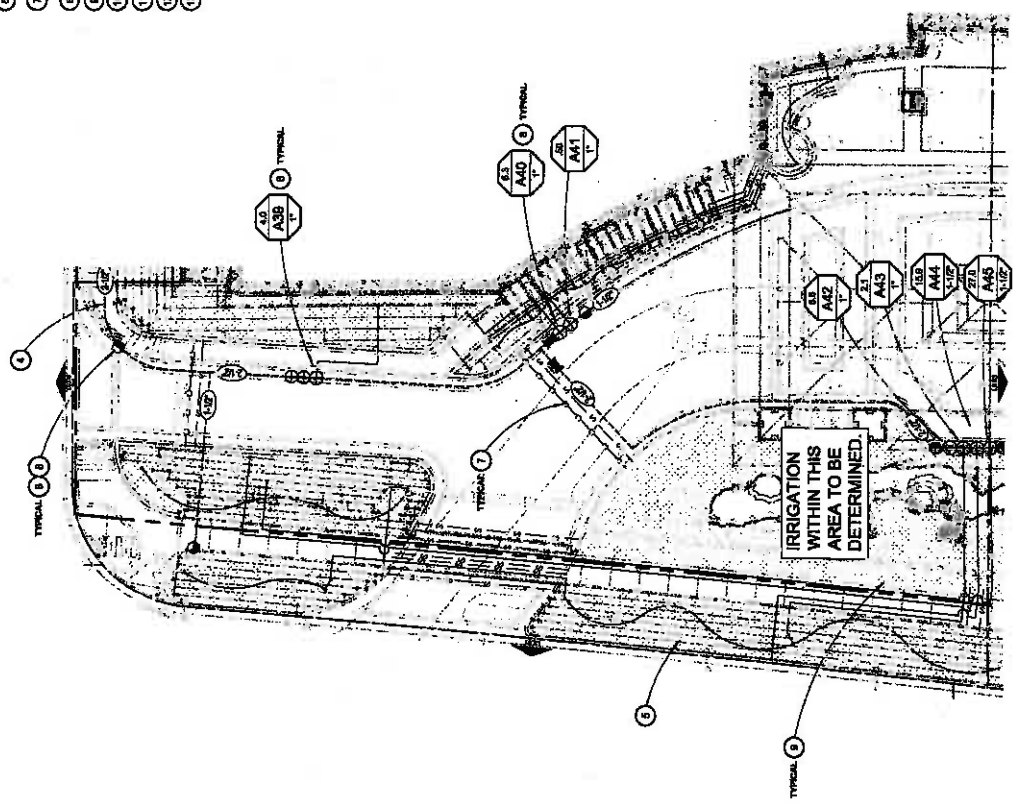
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DATE: 11/15/2011
SCALE: 1" = 10'

PROJECT NAME: LANDSCAPE - LEVEL 01
[Faint text]

DATE: 11/15/2011
SCALE: 1" = 10'

- IRRIGATION CONSTRUCTION NOTES:**
1. PUMP OF CONSTRUCTION, SEE PLOT NOTES THIS SHEET.
 2. LANDSCAPE CONTRACTOR TO LOCATE EXISTING WATER MAINS AND TIE IN NEW 8" PVC MAIN LINE.
 3. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR TO LOCATE EXISTING WATER MAINS AND TIE IN NEW 8" PVC MAIN LINE.
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 13. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR TO LOCATE EXISTING WATER MAINS AND TIE IN NEW 8" PVC MAIN LINE.



DJO ALERT
[Faint text]

Russell Group, Inc.
Landscape Architecture
10000 Wilshire Blvd., Suite 1000
Beverly Hills, CA 90210
Tel: 310.274.1100
Fax: 310.274.1101
www.russellgroup.com

LINE SIZING CHART

CLASS	SIZE	LENGTH	HEAD LOSS
CLASS 150	150"	100'	0.4'
	150"	200'	0.8'
	150"	300'	1.2'
	150"	400'	1.6'
CLASS 125	125"	100'	0.6'
	125"	200'	1.2'
	125"	300'	1.8'
	125"	400'	2.4'
CLASS 100	100"	100'	1.0'
	100"	200'	2.0'
	100"	300'	3.0'
	100"	400'	4.0'

L9.02



L1001
Landscape Architecture
1001 North Main Street
Hollywood, Florida 33020
Phone: (305) 968-1001
Fax: (305) 968-1002
E-Mail: l1001@aol.com

PROJECT DESIGN TEAM:
ARCHITECTS: [Faint text]
Landscape Architects: [Faint text]
ENGINEERS: [Faint text]
STRUCTURAL ENGINEERS: [Faint text]

OWNER: [Faint text]
[Faint text]
[Faint text]

DATE: [Faint text]
[Faint text]

SCALE: [Faint text]
[Faint text]

REVISIONS: [Faint text]
[Faint text]

DATE: [Faint text]
[Faint text]

BY: [Faint text]
[Faint text]

FOR: [Faint text]
[Faint text]

PROJECT: [Faint text]
[Faint text]

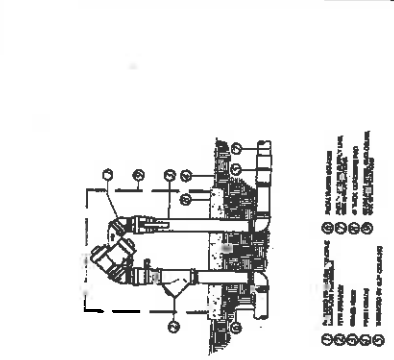
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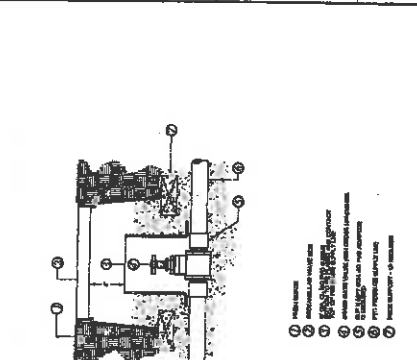
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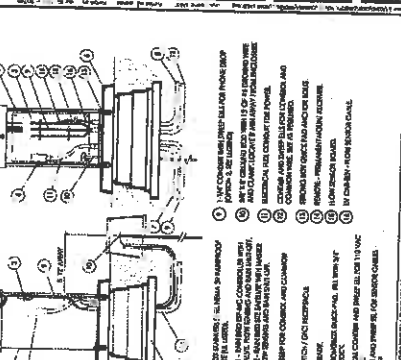
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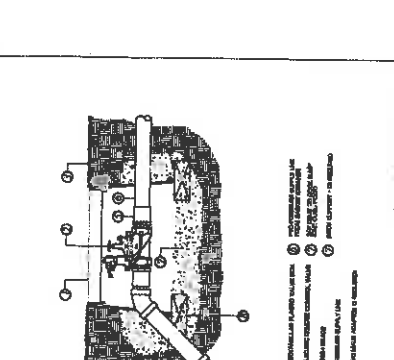
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BOAT DOCK



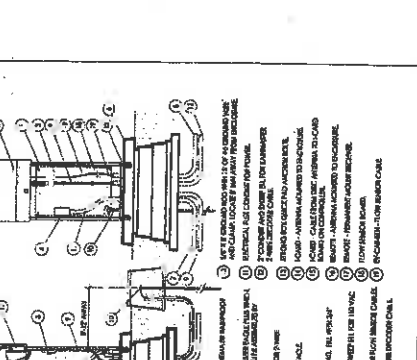
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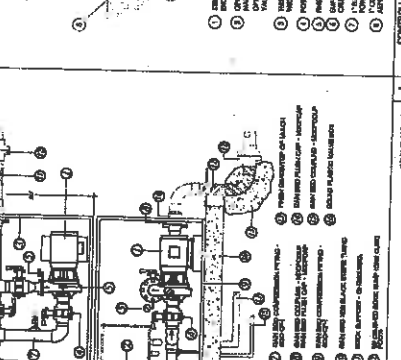
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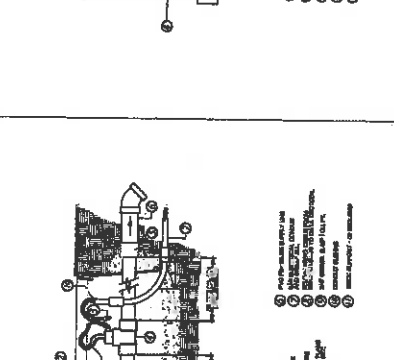
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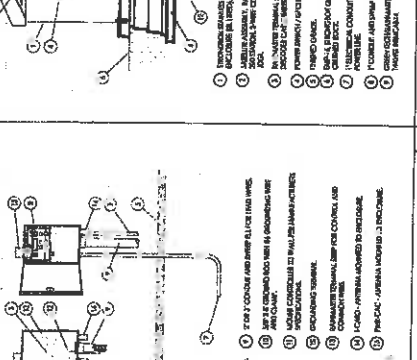
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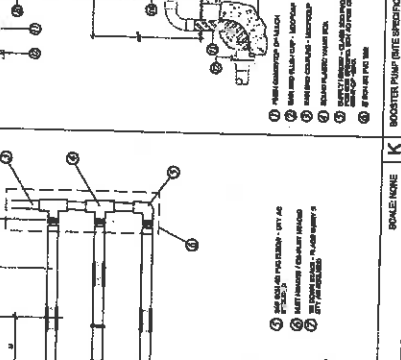
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BOAT DOCK



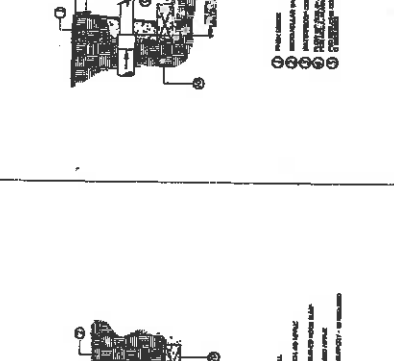
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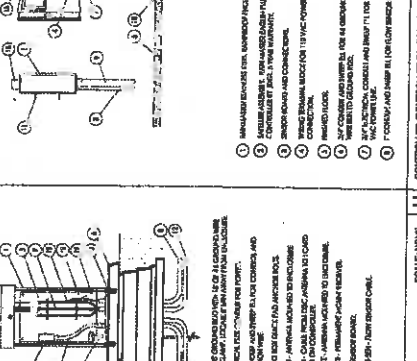
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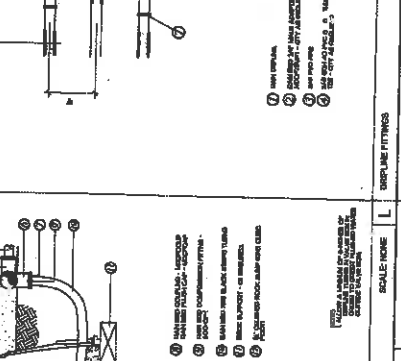
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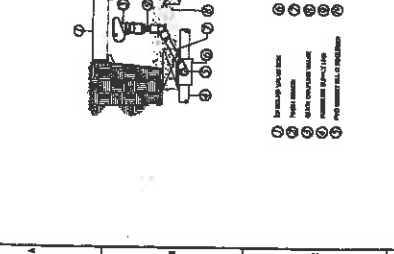
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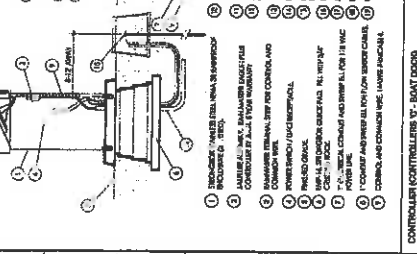
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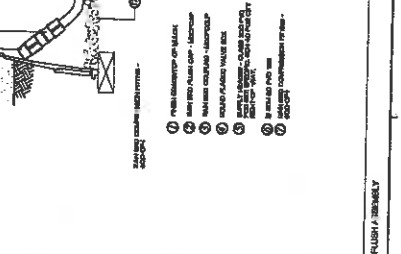
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BOAT DOCK



SCALE: NONE
BOAT DOCK



SCALE: NONE
BOAT DOCK



SCALE: NONE
BOAT DOCK



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SECTION
DATE: 11/10/11
BY: [Signature]

REVISIONS
No. DATE DESCRIPTION

DATE: 11/10/11
SCALE: AS NOTED
DESIGNED BY: JAH
PROJECT NO.: 11-001
JOB NO.: 11-001

SHEET TITLE:
LANDSCAPE
IRRIGATION DETAIL

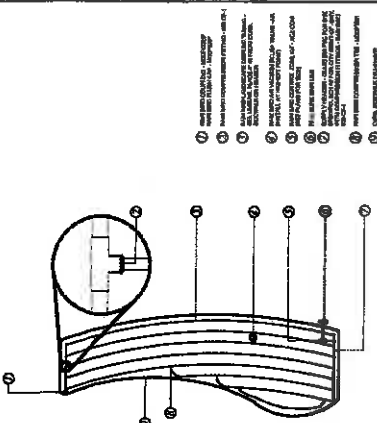
KEY MAP:

DATE: 11/10/11
SCALE: AS NOTED
DESIGNED BY: JAH
PROJECT NO.: 11-001
JOB NO.: 11-001

SHEET NO.:

L10.02

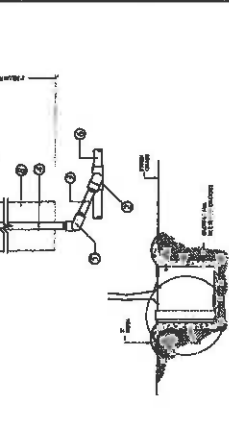
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- 1. CENTRAL RISER
- 2. LATERAL LINE
- 3. TREE
- 4. TREE
- 5. TREE
- 6. TREE
- 7. TREE
- 8. TREE
- 9. TREE
- 10. TREE

SCALE: NONE

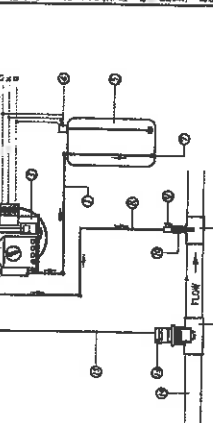
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- 1. CENTRAL RISER
- 2. LATERAL LINE
- 3. TREE
- 4. TREE
- 5. TREE
- 6. TREE
- 7. TREE
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- 9. TREE
- 10. TREE

SCALE: NONE

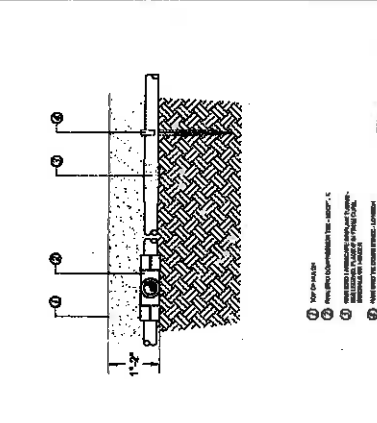
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- 1. CENTRAL RISER
- 2. LATERAL LINE
- 3. TREE
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- 9. TREE
- 10. TREE

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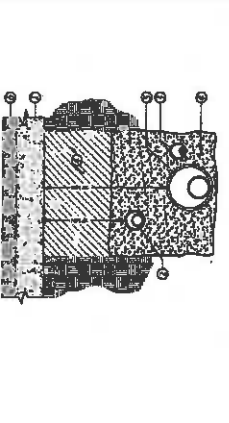
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- 1. CENTRAL RISER
- 2. LATERAL LINE
- 3. TREE
- 4. TREE
- 5. TREE
- 6. TREE
- 7. TREE
- 8. TREE
- 9. TREE
- 10. TREE

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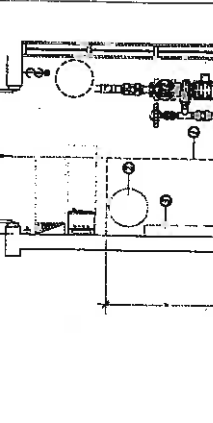
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- 1. CENTRAL RISER
- 2. LATERAL LINE
- 3. TREE
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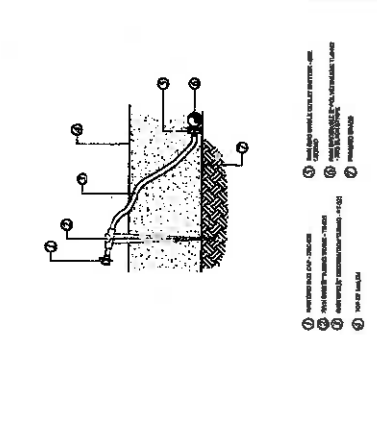
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- 1. CENTRAL RISER
- 2. LATERAL LINE
- 3. TREE
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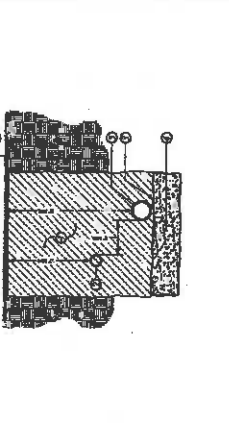
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SCALE: NONE

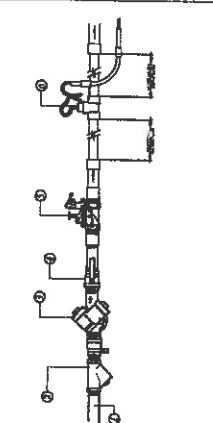
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- 2. LATERAL LINE
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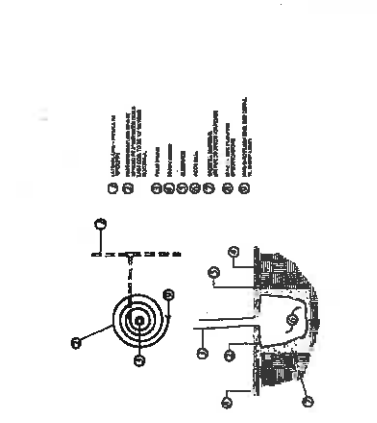
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- 1. CENTRAL RISER
- 2. LATERAL LINE
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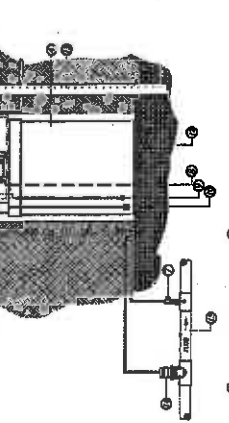
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SCALE: NONE



- 1. CENTRAL RISER
- 2. LATERAL LINE
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SCALE: NONE

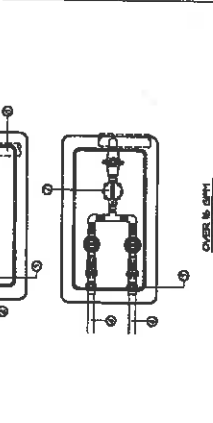
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- 9. TREE
- 10. TREE

SCALE: NONE

DATE: 11/10/11
SCALE: NONE



- 1. CENTRAL RISER
- 2. LATERAL LINE
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SCALE: NONE

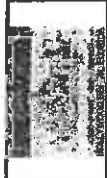
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SCALE: NONE



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DATE FOR TPA CONSTRUCTION:
DATE: 11/18/2014

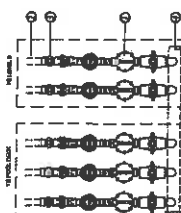
NO.	DATE	REVISIONS
1	11/18/2014	ISSUED FOR TPA CONSTRUCTION

SHEET TITLE:
LANDSCAPE
PROJECT NO. 143

NET AREA:

DATE: 11/18/2014
SCALE: AS NOTED
DESIGNED BY: L. R. HUGHES
CHECKED BY: L. R. HUGHES
DATE: 11/18/2014

SHEET NO.:
L10.03



- 1. POOL EQUIPMENT ROOM
- 2. REMOTE CONTROL VALVE
- 3. POOL EQUIPMENT ROOM
- 4. REMOTE CONTROL VALVE
- 5. POOL EQUIPMENT ROOM
- 6. REMOTE CONTROL VALVE
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- 10. REMOTE CONTROL VALVE

SCALE: NONE

SCALE: NONE

SCALE: NONE

SCALE: NONE

SCALE: NONE

SCALE: NONE

SCALE: NONE



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Fax: 352/392-1111
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DATE:
11/10/11

REVISIONS:

DATE:
11/10/11

REVISIONS:

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REVISIONS:

REVISIONS:

2. CIRCULAR DRIVE

1. CIRCULAR DRIVE

2. CIRCULAR DRIVE

3. CIRCULAR DRIVE

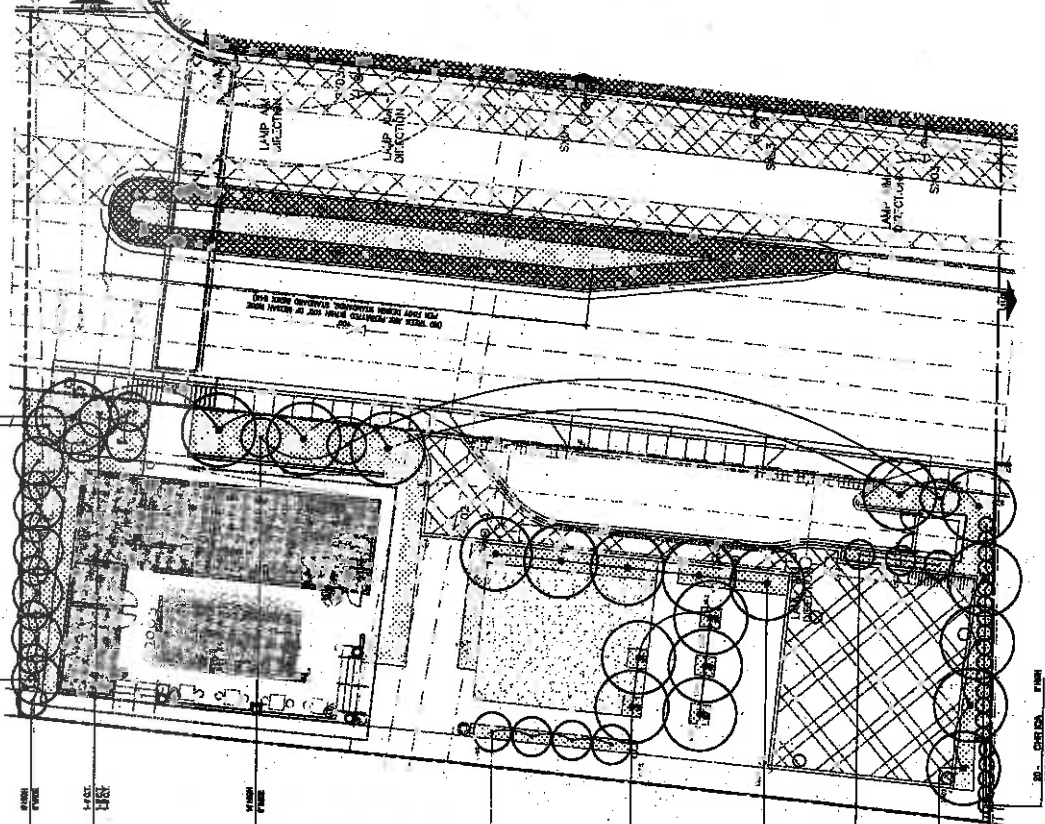
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5. CIRCULAR DRIVE

6. CIRCULAR DRIVE

7. CIRCULAR DRIVE

8. CIRCULAR DRIVE



REVIEWED

NOTES:
1. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
2. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
3. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
4. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
5. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
6. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
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8. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
9. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.
10. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, NATIONAL ARBORETUM, PLANT HARDINESS ZONE 9B.

RIGHT-OF-WAY	RIGHT-OF-WAY
1. CIRCULAR DRIVE	1. CIRCULAR DRIVE
2. CIRCULAR DRIVE	2. CIRCULAR DRIVE
3. CIRCULAR DRIVE	3. CIRCULAR DRIVE
4. CIRCULAR DRIVE	4. CIRCULAR DRIVE
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8. CIRCULAR DRIVE	8. CIRCULAR DRIVE
9. CIRCULAR DRIVE	9. CIRCULAR DRIVE
10. CIRCULAR DRIVE	10. CIRCULAR DRIVE

TREE LEGEND		SYMBOL	QUANTITY	COMMENTS
1. CIRCULAR DRIVE	1. CIRCULAR DRIVE	1. CIRCULAR DRIVE	1. CIRCULAR DRIVE	1. CIRCULAR DRIVE
2. CIRCULAR DRIVE	2. CIRCULAR DRIVE	2. CIRCULAR DRIVE	2. CIRCULAR DRIVE	2. CIRCULAR DRIVE
3. CIRCULAR DRIVE	3. CIRCULAR DRIVE	3. CIRCULAR DRIVE	3. CIRCULAR DRIVE	3. CIRCULAR DRIVE
4. CIRCULAR DRIVE	4. CIRCULAR DRIVE	4. CIRCULAR DRIVE	4. CIRCULAR DRIVE	4. CIRCULAR DRIVE
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8. CIRCULAR DRIVE	8. CIRCULAR DRIVE	8. CIRCULAR DRIVE	8. CIRCULAR DRIVE	8. CIRCULAR DRIVE
9. CIRCULAR DRIVE	9. CIRCULAR DRIVE	9. CIRCULAR DRIVE	9. CIRCULAR DRIVE	9. CIRCULAR DRIVE
10. CIRCULAR DRIVE	10. CIRCULAR DRIVE	10. CIRCULAR DRIVE	10. CIRCULAR DRIVE	10. CIRCULAR DRIVE

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DATE
 11/09/2011

PROJECT NAME
 LANDSCAPE - LEVEL 01

SCALE
 1" = 10'

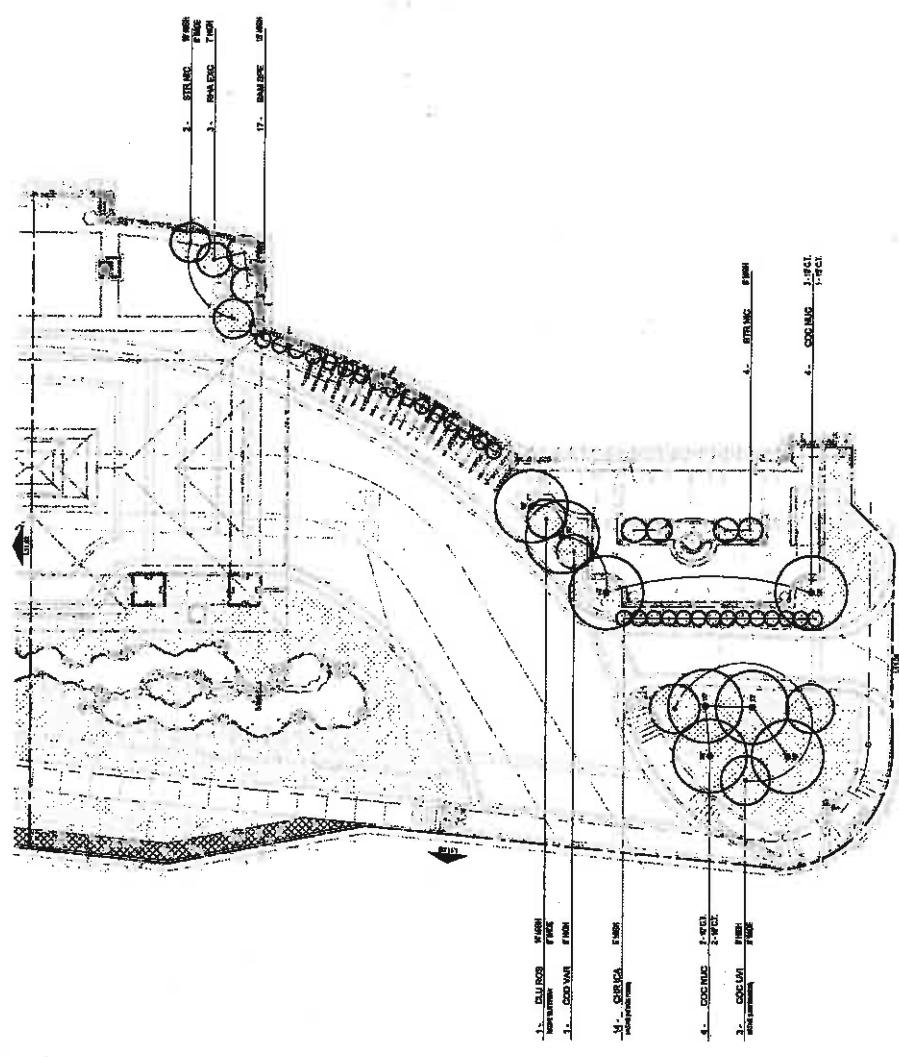
KEY MAP

DATE
 11/09/2011

PROJECT NAME
 LANDSCAPE - LEVEL 01

SCALE
 1" = 10'

KEY MAP



TREE LEGEND

SYMBOL	DESCRIPTION	QUANTITY
1	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	1
2	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	2
3	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	3
4	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	4
5	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	5
6	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	6
7	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	7
8	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	8
9	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	9
10	10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP	10

1. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

2. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

3. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

4. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

5. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

6. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

7. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

8. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

9. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

10. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

SIGHT VISIBILITY LEGEND

1. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

2. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

3. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

4. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

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7. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

8. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

9. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

10. 10' DBH 10' HGT 10' WIDTH 10' DEPTH 10' SPACING 10' TYP

L11.03

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PROJECT DESIGN TEAM:
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 LANDSCAPE ARCHITECTS: [Faint text]
 CIVIL ENGINEER: [Faint text]
 ELECTRICAL ENGINEER: [Faint text]
 MECHANICAL ENGINEER: [Faint text]
 PLUMBING ENGINEER: [Faint text]
 STRUCTURAL ENGINEER: [Faint text]
 CIVIL ENGINEER: [Faint text]

OWNER:
 MANDARINVILLE HOLLWOOD
 2891 AL OCEAN BLVD
 HOLLWOOD, FLORIDA 33019

DESIGNED FOR THE CONSTRUCTION:
 DATE: 11/08/11

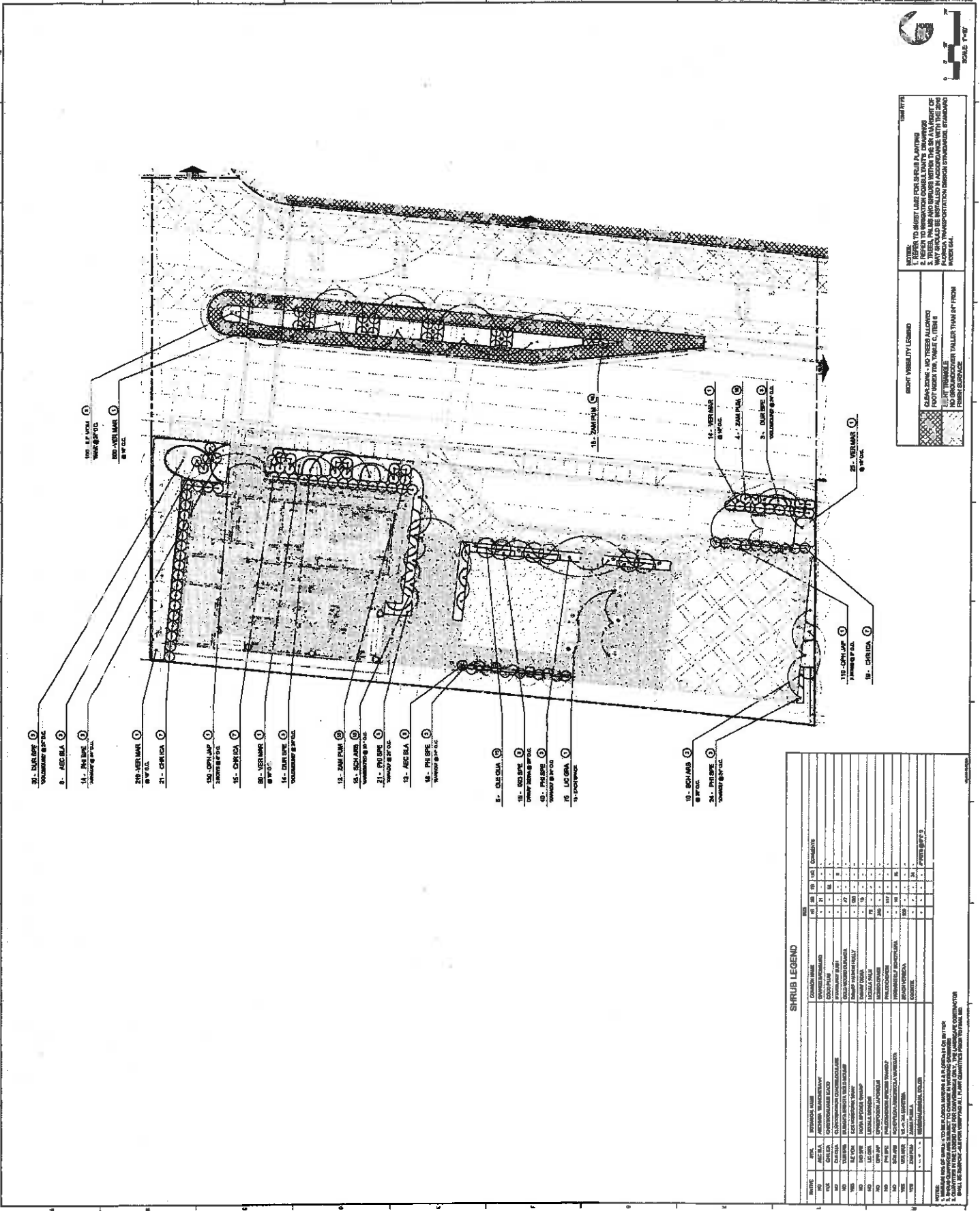
REVISIONS:

NO.	DATE	REVISION
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30		

PROJECT TITLE:
 LANDSCAPE - LEVEL 01
 PLANTING PLAN - SHRUBS

SCALE:
 1" = 10' - 0"

SHEET NO.:
 L12.01



SHRUB LEGEND

SYMBOL	SHRUB NAME	HEIGHT	WIDTH	DEPTH	SPACING
1	10' - 12' DIA.	10'	12'	12"	10' x 10'
2	10' - 12' DIA.	10'	12'	12"	10' x 10'
3	10' - 12' DIA.	10'	12'	12"	10' x 10'
4	10' - 12' DIA.	10'	12'	12"	10' x 10'
5	10' - 12' DIA.	10'	12'	12"	10' x 10'
6	10' - 12' DIA.	10'	12'	12"	10' x 10'
7	10' - 12' DIA.	10'	12'	12"	10' x 10'
8	10' - 12' DIA.	10'	12'	12"	10' x 10'
9	10' - 12' DIA.	10'	12'	12"	10' x 10'
10	10' - 12' DIA.	10'	12'	12"	10' x 10'
11	10' - 12' DIA.	10'	12'	12"	10' x 10'
12	10' - 12' DIA.	10'	12'	12"	10' x 10'
13	10' - 12' DIA.	10'	12'	12"	10' x 10'
14	10' - 12' DIA.	10'	12'	12"	10' x 10'
15	10' - 12' DIA.	10'	12'	12"	10' x 10'
16	10' - 12' DIA.	10'	12'	12"	10' x 10'
17	10' - 12' DIA.	10'	12'	12"	10' x 10'
18	10' - 12' DIA.	10'	12'	12"	10' x 10'
19	10' - 12' DIA.	10'	12'	12"	10' x 10'
20	10' - 12' DIA.	10'	12'	12"	10' x 10'
21	10' - 12' DIA.	10'	12'	12"	10' x 10'
22	10' - 12' DIA.	10'	12'	12"	10' x 10'
23	10' - 12' DIA.	10'	12'	12"	10' x 10'
24	10' - 12' DIA.	10'	12'	12"	10' x 10'
25	10' - 12' DIA.	10'	12'	12"	10' x 10'
26	10' - 12' DIA.	10'	12'	12"	10' x 10'
27	10' - 12' DIA.	10'	12'	12"	10' x 10'
28	10' - 12' DIA.	10'	12'	12"	10' x 10'
29	10' - 12' DIA.	10'	12'	12"	10' x 10'
30	10' - 12' DIA.	10'	12'	12"	10' x 10'

RIGHT VISIBILITY LEGEND

1. REFER TO SHRUB LEGEND FOR SHRUB PLANTING
 2. REFER TO SHRUB LEGEND FOR SHRUB PLANTING
 3. REFER TO SHRUB LEGEND FOR SHRUB PLANTING
 4. REFER TO SHRUB LEGEND FOR SHRUB PLANTING
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 30. REFER TO SHRUB LEGEND FOR SHRUB PLANTING

[illegible]

OTHER: MARGARITAVILLE HOLLYWOOD
BEACH RESORT, LLC
1001 N. OCEAN DRIVE
SUITE 1000, MIAMI, FL 33139-3600



DATE: 10/24/2011

DATE	REMARKS
1994-01-01	...
1994-01-02	...
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1994-01-04	...
1994-01-05	...
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1994-01-31	...

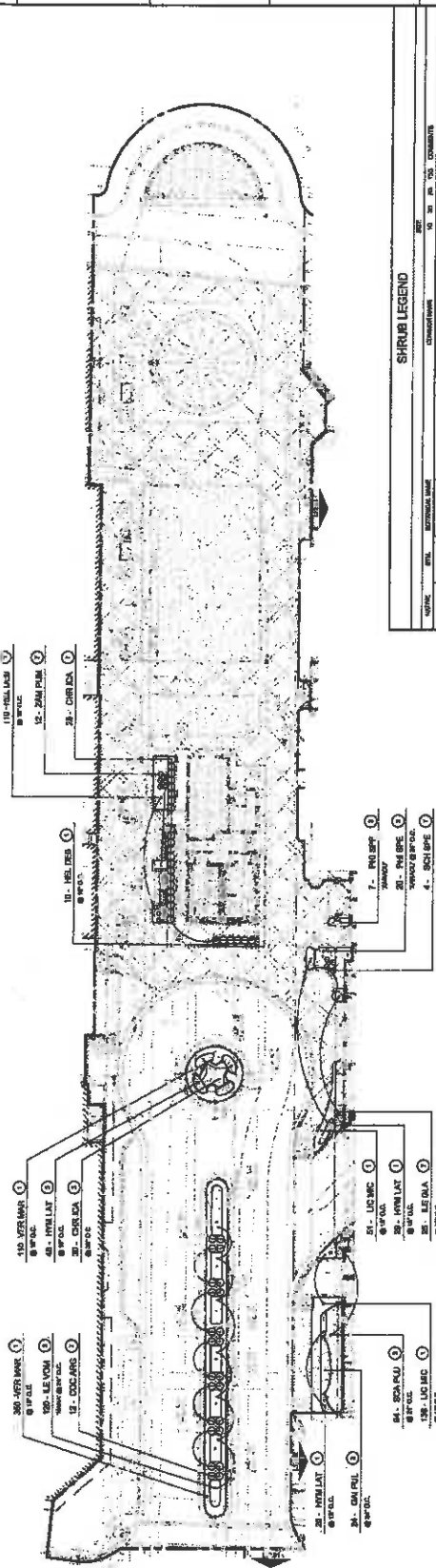
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Sheet Title:
LANDSCAPE - LEVEL 01
LANDING PLAN - BRW158



DATE: 1-10-67
 LAB: 10048
 TESTED BY: DA

-12.06

SHRIMP | LEGEND[illegible]

NOTES:
1. AVERAGE 20% OF SHOOTERS TO BE PLACED IN THE 1ST CATEGORY
2. SPECIAL QUANTITIES ARE SUBJECT TO CHANGE IN FUTURE DEMANDS
3. QUANTITIES IN THE LISTING ARE FOR CHEMICALS ONLY. THE LANDSCAPE CONTRACTOR
SHALL BE RESPONSIBLE FOR REORDER ALL PLANT QUANTITIES PRIOR TO 1994.12.31

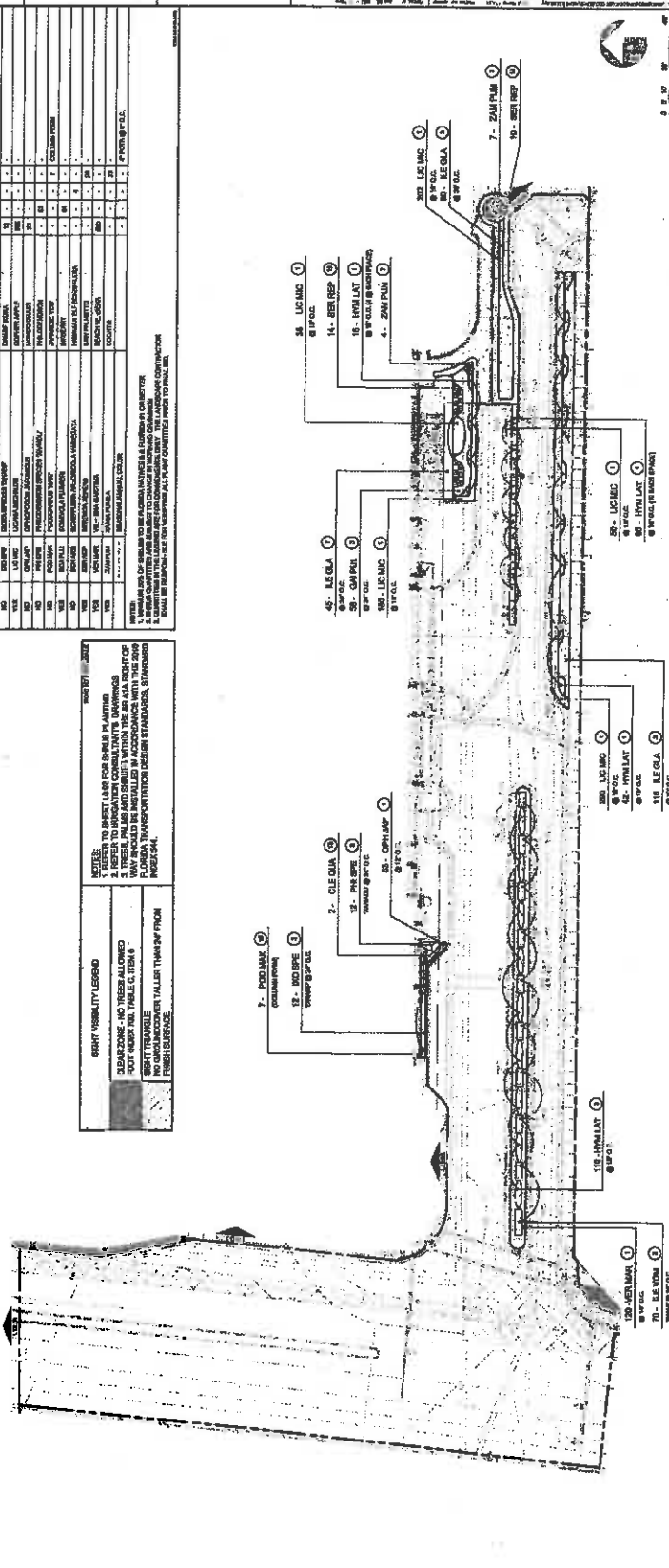
NOTES:

1. REFER TO SHEET 1.00 FOR SYMBOLS IN LISTING
2. REFER TO REGISTRATION CONSULTANTS' DRAWINGS
3. (TREE, PALM AND SHRUB) WITHIN THE OR ALA RIGHT OF WAY SHOULD BE INSTALLED IN ACCORDANCE WITH THE 2009 FLORIDA TRANSPORTATION DESIGN STANDARDS, STANDARD INDEX 544.

60447 VISIBILITY LEGS 80

CLEAR ZONE - NO TREES ALLOWED
FOOT WALKER FOR TABLE G, ITEM 6 -

RIGHT TRIANGLE
NO CURB/DOVER TALLER THAN 24" FROM
FINISH SURFACE



0 5 10 20' SCALE: 1"=20'

[illegible]

OWNER:
MARSHALL VALENTI HOLDINGS
BEACH RESORTS, LLC
3801 N. OCEAN DRIVE
MOLLYWOOD, FLORIDA 33019



LEARNED FOR: 75% CONSTRUCTION
DATE: 9/16/2013

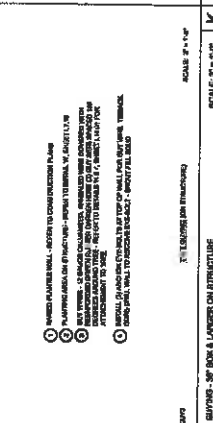
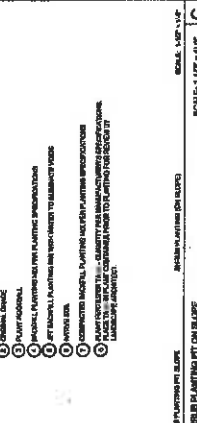
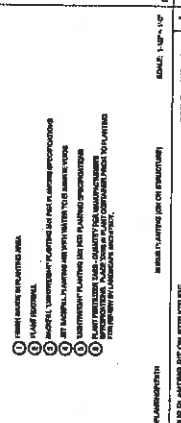
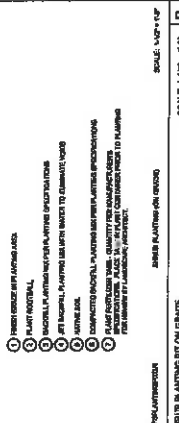
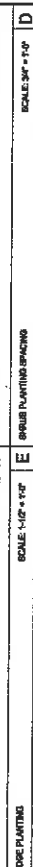
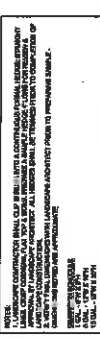
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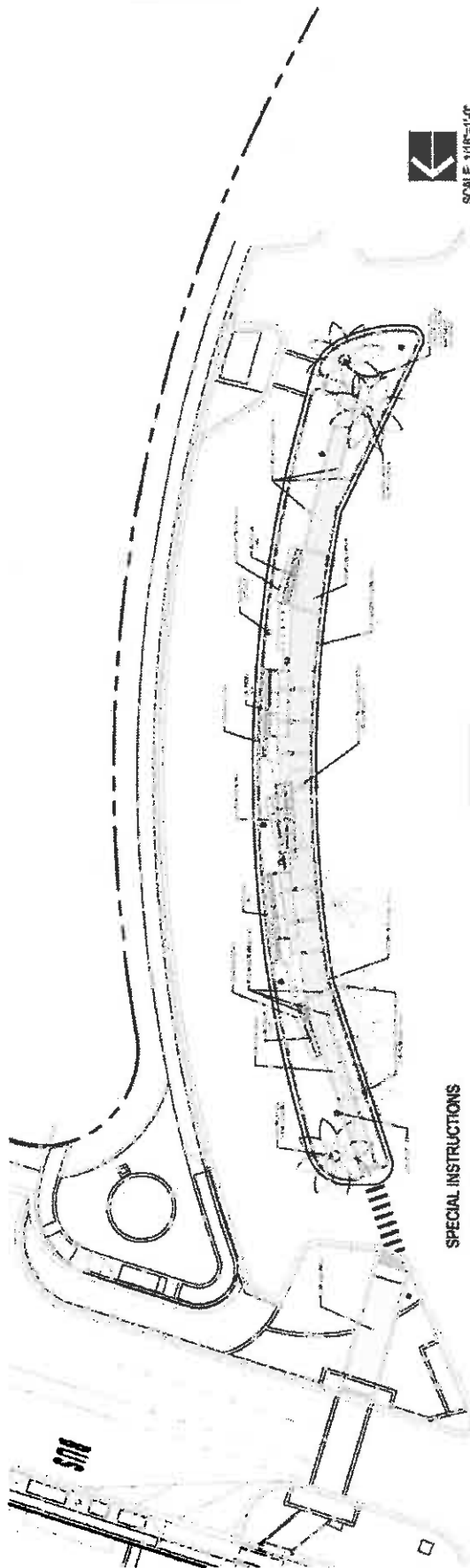
SHEET TITLE:
LANDSCAPE
PLANTING DETAILS

1997

DATE: 11/05/00
SCALE: AS NOTED
DRAWN BY: LM
CHECKED BY: QA
JOB NO: 10848

L14.01

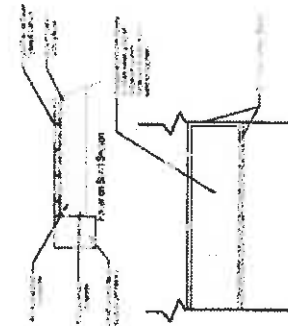




SPECIAL INSTRUCTIONS

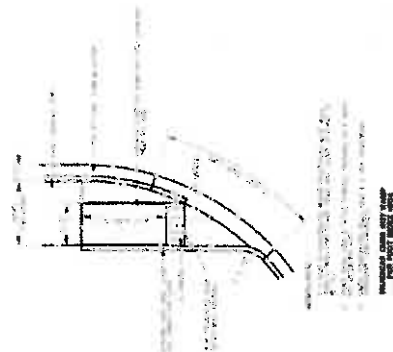
Detail Notes: 1. All materials shall be of the highest quality.
 2. All materials shall be finished and painted.
 3. All materials shall be installed and maintained.

1. DETECTABLE DOME SHALL BE COATED WITH
 PAINT. WHEN PAINTED, WALLS ARE A PAINT
 AND DETECTABLE DOME SHALL BE COATED WITH
 WALLS ARE PAINTED COATED.



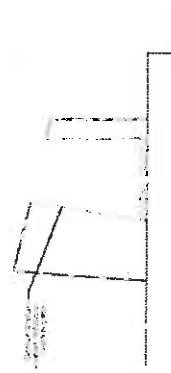
LC-1A PAVER DETAIL

MTB



LC-1B DETECTABLE DOME DETAIL

MTB

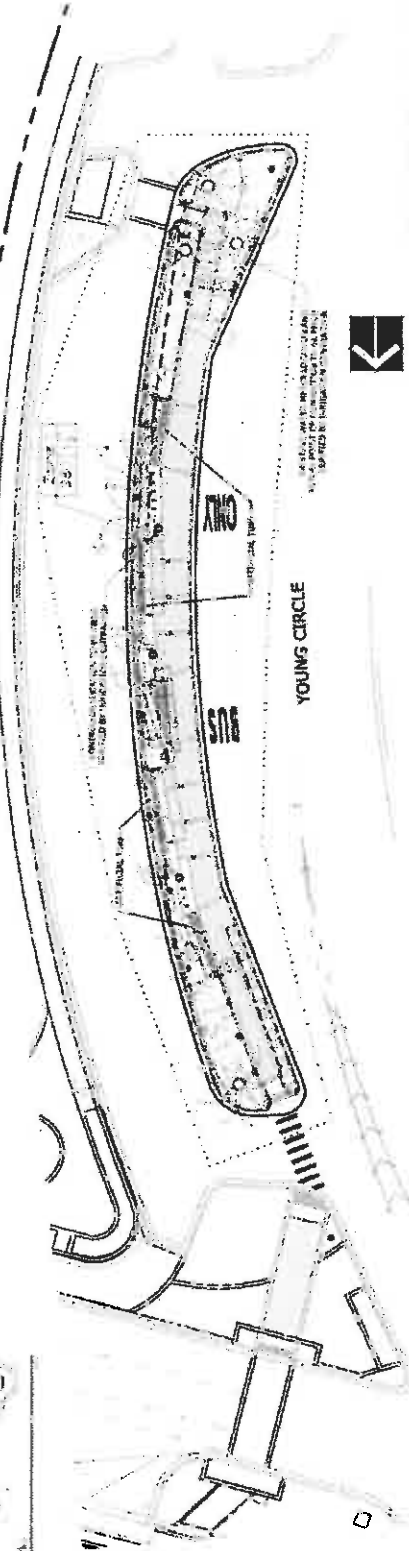


LC-1C PLANTER SECTION

MTB

NOTES
POINT OF CONNECTION SHALL BE EXISTING WATER METER. IRRIGATION CONTRACTOR TO FIELD VERIFY THE ACTUAL LOCATION, SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWINGS IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION CONTAINED IN THE FIELD, IRRIGATION CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION, ANY CHANGES REQUIRED BY LOW MINIMUM SURFACE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MINIMUM PRESSURE REQUIRED
DESIGN WATER PRESSURE
DESIGN WATER PRESSURE
MAXIMUM SYSTEM DEMAND
60 PSI
40 PSI
10 PSI
38 GPM



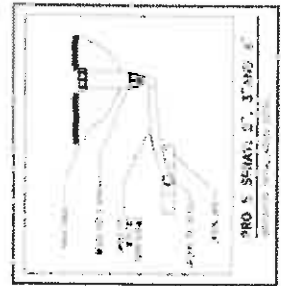
FOR RAINBOW IRRIGATION PRODUCTS



IRRIGATION LEGEND

IRRIGATION NOTES

1. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
a. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
b. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
c. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
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f. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
g. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
h. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
i. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
j. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
k. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
l. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
m. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
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q. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
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t. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
u. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
v. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
w. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
x. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
y. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
z. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:



**CALL 2 WORKING DAYS
BEFORE YOU DIG**

IT'S THE LAW!

DIAL 811

Never start a Dig, No, Call before you dig.

BURUNDI STATE ONE CALL OF FLORIDA, INC.



JANUARY 2013

Peter Bisher	CHAIRMAN
Patricia Kelly	CO-ORDINATOR
Peter D. Hernandez	BOARD MEMBER
Todd L. Collier	BOARD MEMBER
Richard Butner	VICE CHAIRPERSON
Charles D. Friedman	DONOR MEMBER
Linda Thorsrud	BOARD MEMBER
Gregory Campbell, III	ELECTRICE DIRECTOR

PERMITEE:
CITY OF HOLLYWOOD
2600 HOLLYWOOD BLVD, ROOM 308
HOLLYWOOD, FLORIDA 33022
ATTN: MOSHE ANUAR, PROJECT MANAGER
PHONE (954) 921-3900



Kimley-Horn and Associates, Inc.
© 2013 KIMLEY-HORN AND ASSOCIATES, INC.
PLANS PREPARED BY:
KIMLEY-HORN AND ASSOCIATES, INC.

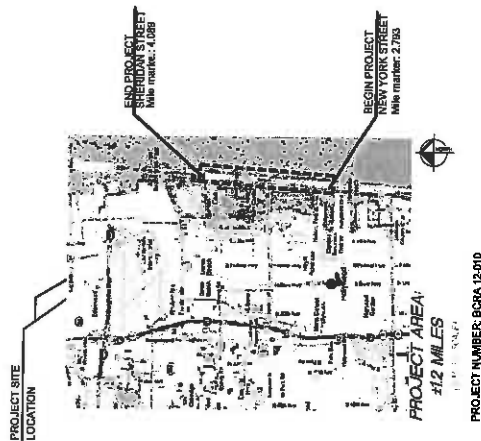
SUITE 200
1820 WENNA WAY
WEST PALM BEACH, FLORIDA 33411
CERTIFICATE OF AUTHORIZATION NO. 686
PHONE (561) 845-0885

L.A. OF RECORD: JONATHAN D. HAKSH
LA NO.: #LA 66EJ7DB

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS
MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION.
THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

LANDSCAPE SHEET SCHEDULE

LO01	OVERALL PLAN AND NOTES
LO02	PLANTING PLANS
LO03	PLUMBING DETAILS
LO04	PLUMBING SPECIFICATIONS
LO05	IRRIGATION PLANS
LO06	IRRIGATION DETAILS
LO07	IRRIGATION SPECIFICATIONS



PROJECT NUMBER: BCRA 12-MD

COVER

DATE	JAN 2013
PROJECT NO.	044241012
SHEET NUMBER	

OCEAN DRIVE
MEDIAN BEAUTIFICATION

HOLLYWOOD CRA
CITY OF HOLLYWOOD
FLORIDA

L-0.00

DATE: 12/3/13
1:06:6679

Kimley-Horn and Associates, Inc.

 520 KIMLEY-HORN AND ASSOCIATES, INC.
 1200 KIMLEY-HORN BLVD. WEST PALM BEACH, FL 33411
 PHONE (561) 845-0885 FAX (561) 845-8175
 WWW.KIMLEY-HORN.COM CA 00000880

DATE	REVISIONS	BY

GENERAL NOTES:

- [illegible]

[illegible]

1. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF HOLLYWOOD TO OBTAIN A COPY OF THE FOOT LANDSCAPE PERMIT AND COMPLY WITH ITS CONDITIONS.

**CALL 2 WORKING DAYS
BEFORE YOU DIG**

IT'S THE LAW!

DIAL 811

*Know what's below.
Call before you dig.*

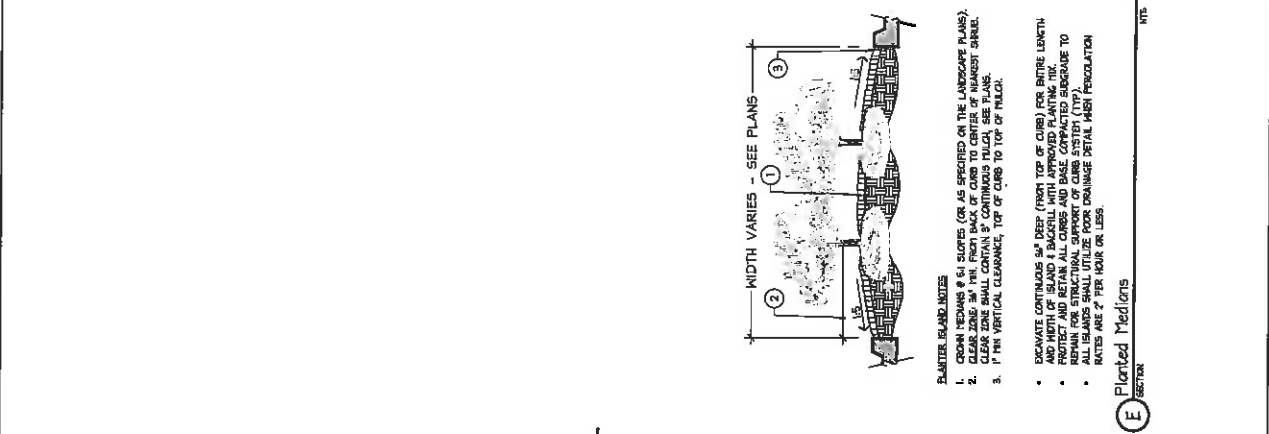
ILLINOIS STATE ONE CALL OF ILLINOIS, INC.

[illegible]

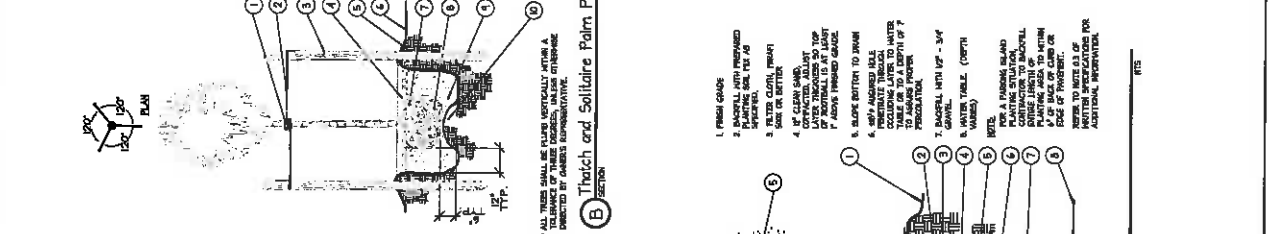


PLANT	TOXICITY	TOXICANT NAME	COMMON NAME	CERT. PCT.	GAU. 4 Cal.	SIZE 10 CT	GTG 8
17	17	Fluoride Toxicity, alkali levels, top of trunk melting to narah	Parula Yellow Throat				
18	18	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
19	19	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
20	20	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
21	21	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
22	22	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
23	23	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
24	24	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
25	25	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
26	26	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10
27	27	Botanical Name: <i>Asplenium adnigrum</i>	Common Name: <i>Asplenium</i>	CONT. 1 qt	0.6 O.C.	SIZE 12 1/2	GTG 10

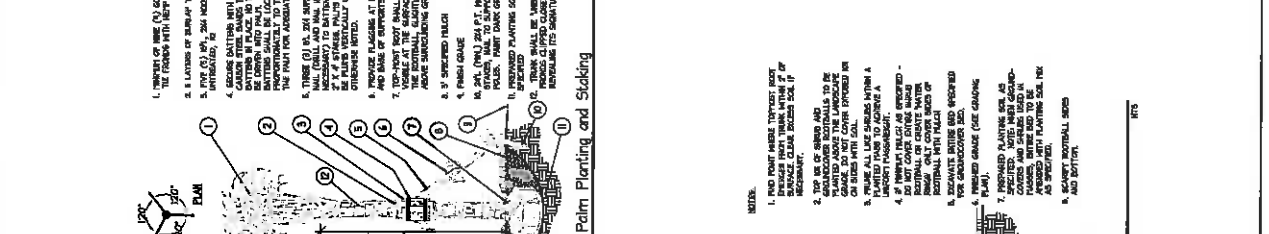
EXISTING UTILITIES SHOWN ARE SCALED FROM CITY-PROVIDED GIS DRAWINGS. CONTRACTOR RESPONSIBLE FOR LOCATING UTILITIES (CALL 811) PRIOR TO EXCAVATION.



- PLANTER ISLAND NOTES**
1. CROWN MEDIAN 8' 6" SLURTS (OR AS SPECIFIED ON THE LANDSCAPE PLANS).
 2. CLEAR ZONE 36" FROM FRONT BACK OF CURB TO CENTER OF NEAREST ISLAND.
 3. 1" MIN VERTICAL CLEARANCE, TOP OF CURB TO TOP OF MEDIAN.
 4. EXCAVATE CONTIGUOUS 36" DEEP (FROM TOP OF CURB) FOR ENTIRE LENGTH AND WIDTH OF ISLAND WITH APPROVED PLANTING MIX.
 5. PROVIDE 1" MIN VERTICAL CLEARANCE TO REMAIN FOR STRUCTURAL SUPPORT OF CURB SYSTEM (TYP).
 6. ALL ISLANDS SHALL UTILIZE POOR DRAINAGE DETAIL WHEN PRECIPITATION NOTES ARE 2" PER HOUR OR LESS.



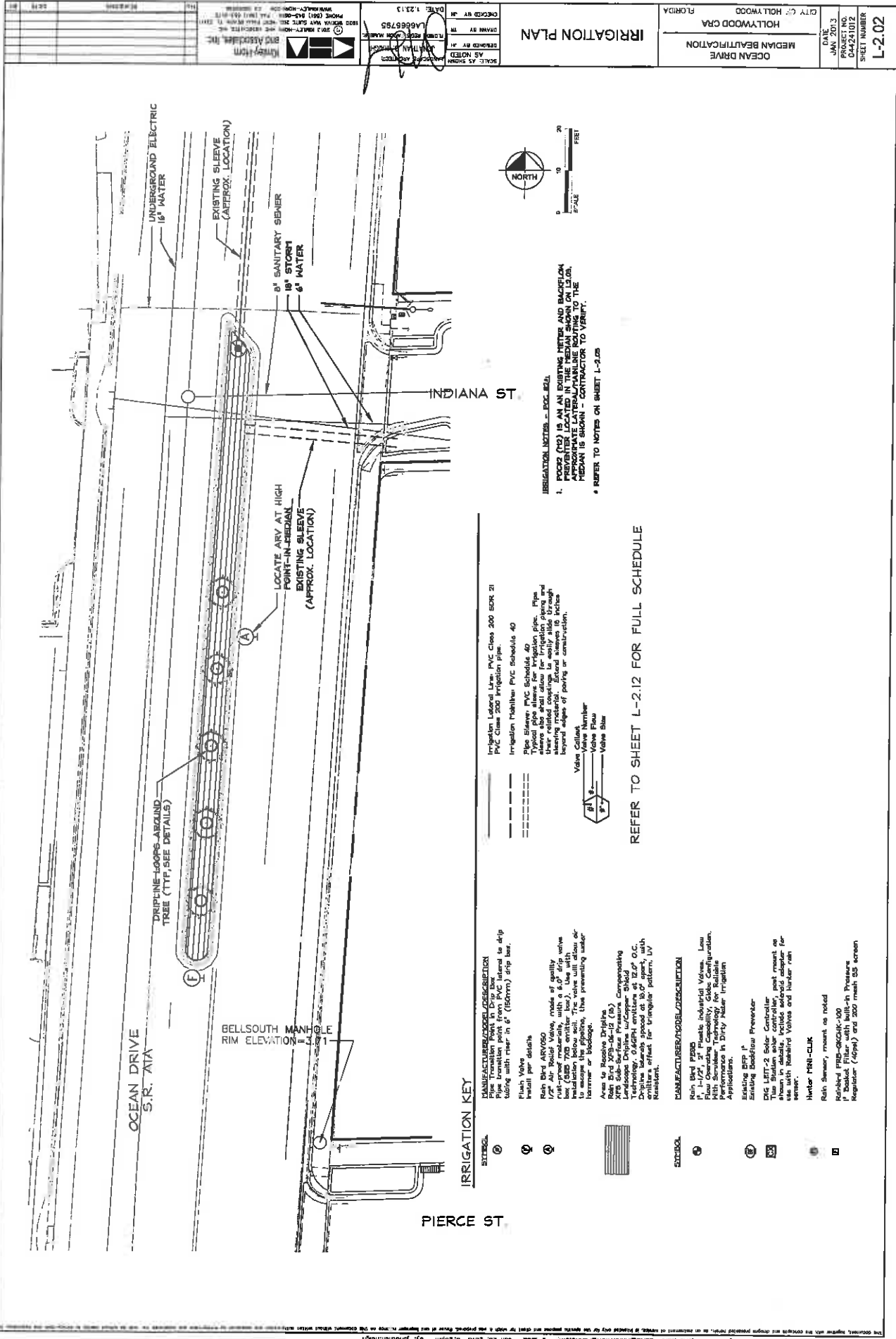
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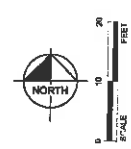


IRRIGATION KEY

SYMBOL	MANUFACTURER/DESCRIPTION
1	1/2" Air Relief Valve, made of quality brass, with 1/2" NPT female threads on both ends (3000 PSI working pressure). The valve will allow air to escape from the system, thus preventing water hammer or backflow.
2	Area to Receive Drifts
3	Area to Receive Drifts
4	Area to Receive Drifts
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99	Area to Receive Drifts
100	Area to Receive Drifts

REFER TO SHEET L-2.12 FOR FULL SCHEDULE

- IRRIGATION NOTES - POC: E24
- POC (PO) IS AN AIR REMAINING WATER AND BACKFLOW PREVENTER LOCATED IN THE MEDIAN SLOPE SECTION. APPROPRIATE LATERAL/MAINLINE ROUTING TO THE MEDIAN IS SHOWN - CONTRACTOR TO VERIFY.
- * REFER TO NOTES ON SHEET L-2.05



OCEAN DRIVE
MEDIAN BEAUTIFICATION
FLORIDA

CITY OF HOLLYWOOD
HOLLYWOOD CRA

DATE
JAN 2013

PROJECT NO.
04-241012

SHEET NUMBER
L-2.02

IRRIGATION PLAN

SCALE: AS SHOWN

DESIGNED BY: J. L. BROWN, P.E.
CHECKED BY: J. L. BROWN, P.E.
DATE: 1/23/13

PROJECT NO.: 04-241012

SHEET NO.: L-2.02

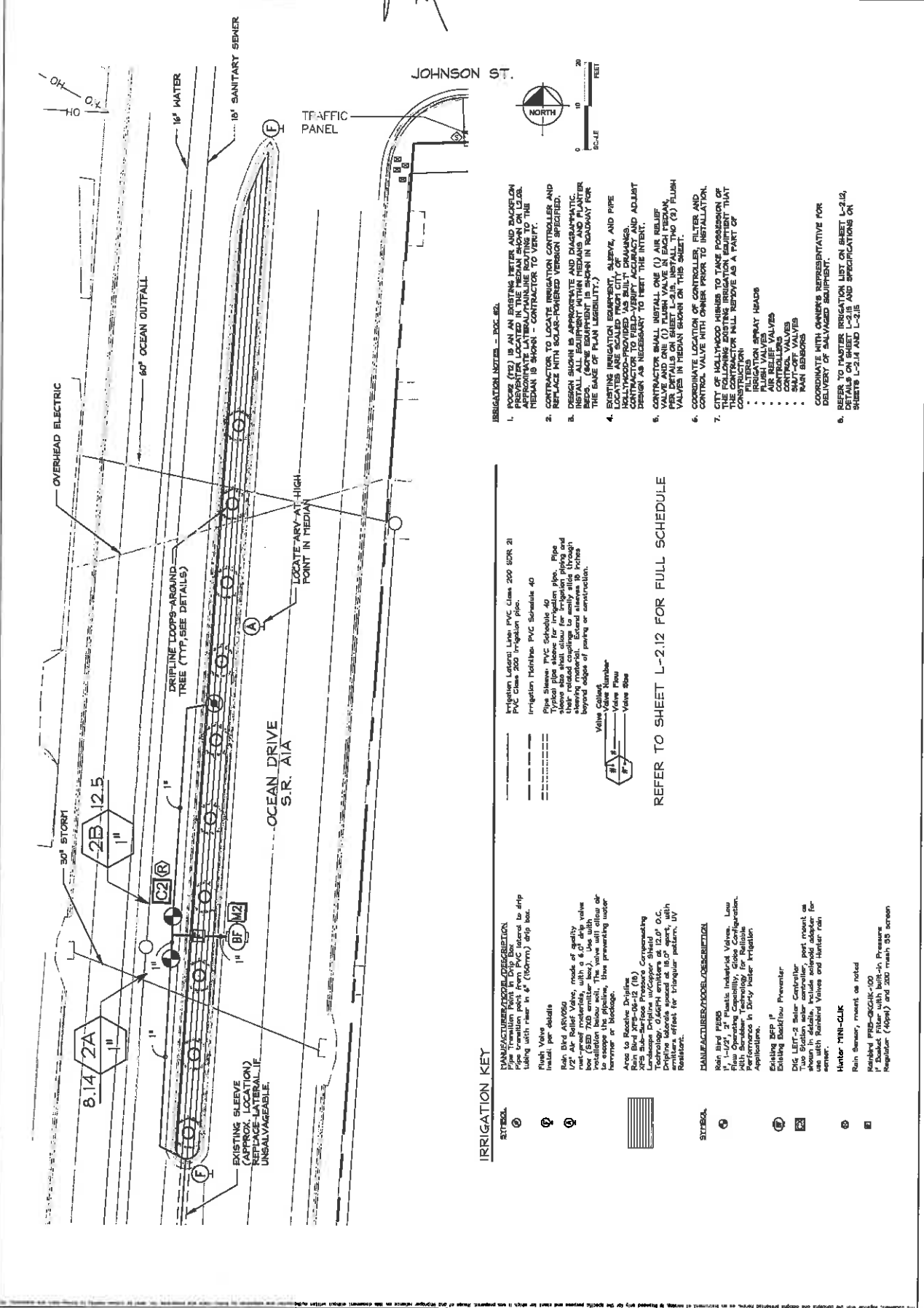
PROJECT NAME: OCEAN DRIVE MEDIAN BEAUTIFICATION

CLIENT: CITY OF HOLLYWOOD

DESIGNER: J. L. BROWN & ASSOCIATES, INC.

PHONE: (954) 961-1000

WWW.JLBROWN-INC.COM



Drawing name: K:\MPS\MP044241012_Helipad.dwg Author: AIA\CAO\11-01-12\12_HELIPAD\COMMON_PLANS.dwg Date: 1-2-03 Date: Jan 23, 2013 8:25pm By: jasonh1398

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT E
LANDSCAPE MAINTENANCE PLAN(S)

See Attached

MAINTENANCE PLAN

Landscape Improvements

City of Hollywood

I. General Maintenance Requirements and Recommendations:

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

Watering Requirements:

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

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

Irrigation System:

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

Integrated Plant Management:

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

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

Mulching:

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

Pruning:

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to specific pruning heights maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained

to prevent potential roadway and pedestrian hazards, all palms are to be kept fruit free. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants are noted on the plans (See Exhibit B.) and see Part II. Specific Requirements and Recommendations for guidelines. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be maintained at a height in compliance with *FDOT Design Standards* Index 546; Page 6 of 6, Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program* (MRP) standards.

Staking and Guying:

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

Turf Mowing:

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

Litter Control:

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

Weeding/Herbicide:

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

Plant Replacement:

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

Hardscape (Specialty Surfacing):

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

Hardscape (Non-Standard Travelway Surfacing):

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

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

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

Hardscape (Landscape Accent Lighting)

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

Maintenance of Traffic Control

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

Vegetation Management at Outdoor Advertising (ODA)

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

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

II. Specific Project Site Maintenance Requirements and Recommendations:

All site furnishing must be kept graffiti free. Benches shall be maintained in such a manner that they can safely support a user. If benches, bike racks or trash receptacles become damaged, they shall be replaced with the same type and specification as the approved plan. If trash receptacles, they must be emptied on a regular basis in order to prevent trash overflow and odor.

Superseded agreements' Maintenance Plans and any specific project site maintenance requirements continue to apply.

REFERENCES

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

Accessible Sidewalk Videos (ADA)

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

Americans with Disabilities Act (ADA) (ADAAG)

http://www.ada.gov/2010ADAstandards_index.htm

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

www.isa-arbor.com

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

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

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

http://www2.iccsafe.org/states/florida_codes/

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

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

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

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

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

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

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

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

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

Table 2.11.5 Horizontal Clearance to Trees

Table 2.11.11 Recoverable Terrain

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

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

<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks/2013/Files/580-2013.pdf>

Florida Department of Transportation, Landscape Architecture Website

www.MyFloridaBeautiful.com

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

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

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

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

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place*
http://www.fpl.com/residential/trees/right_tree_right_place.shtml

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

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

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

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

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

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT F

PENDING DEPARTMENT PROJECT(S) ESTIMATE

State Road 9 (I-95) and State Road 824 (Pembroke Road) Interchange See Attached	<u>\$44,390.50</u>
State Road 9 (I-95) and State Road 820 (Hollywood Boulevard) Interchange See Attached	<u>\$65,988.50</u>
State Road 9 (I-95) and State Road 848 (Stirling Road) Interchange See Attached	<u>\$15,193.00</u>

CITY OF HOLLYWOOD
Plan Sheets 13B - 14B

CITY OF HOLLYWOOD							
I-95 @ Pembroke Road							
422796-1-52-01							
30-Nov-12							
OVERALL LANDSCAPE							
COST ESTIMATE							
		UNIT COST	UNIT	QUANTITY	TOTAL COST	SPECIFICATION	
*PALMS							
SABAL PALM		\$240.00	EA	11	\$2,640.00	12' Clear Trunk, Booted, Straight Trunk	
THATCH PALM		\$640.00	EA	14	\$8,960.00	10'-12' Overall Height, Full Crown, Straight Trunk	
*SHRUBS							
DWARF FIREBUSH		\$7.50	EA	1,273	\$9,547.50	3 Gallon, 24"x18", Full, 3' On Center	
DWARF FAKAHATCHEE		\$7.00	EA	269	\$1,883.00	3 Gallon, 24"x18", Full, 2.5' On Center	
COCOPLUM HORIZONTAL		\$8.00	EA	1,420	\$11,360.00	3 Gallon, 10"x10", Full, 3' On Center	
IRRIGATION							
MODIFICATIONS		\$10,000.00	LS	1	\$10,000.00	Modify / Repair Existing Irrigation	
TOTAL OVERALL COST					\$44,390.50		

CITY OF HOLLYWOOD
Plan Sheets 15B - 16B

CITY OF HOLLYWOOD							
I-95 @ Hollywood Blvd.							
422796-1-52-01							
30-Nov-12							
OVERALL LANDSCAPE							
COST ESTIMATE							
		UNIT COST	UNIT	QUANTITY	TOTAL COST	SPECIFICATION	
<u>*PALMS</u>							
SABAL PALM		\$240.00	EA	7	\$1,680.00	12' Clear Trunk, Booted, Straight Trunk	
THATCH PALM		\$640.00	EA	20	\$12,800.00	10'-12' Overall Height, Full Crown, Straight Trunk	
<u>*SHRUBS</u>							
DWARF FIREBUSH		\$7.50	EA	1,519	\$11,392.50	3 Gallon, 24"x18", Full, 3' On Center	
DWARF FAKAHATCHEE		\$7.00	EA	400	\$2,800.00	3 Gallon, 24"x18", Full, 2.5' On Center	
SAND CORDGRASS		\$7.00	EA	204	\$1,428.00	3 Gallon, 24"x18", Full, 3.5' On Center	
COCOPLUM HORIZONTAL		\$8.00	EA	3,236	\$25,888.00	3 Gallon, 10"x10", Full, 3' On Center	
<u>IRRIGATION</u>							
MODIFICATIONS		\$10,000.00	LS	1	\$10,000.00	Modify / Repair Existing Irrigation	
TOTAL OVERALL COST					\$65,988.50		

CITY OF HOLLYWOOD
Plan Sheet 19B

CITY OF HOLLYWOOD							
I-95 @ Stirling Road							
FM#s: 422796-1-52-01							
30-Nov-12							
OVERALL LANDSCAPE							
COST ESTIMATE							
	UNIT COST	UNIT	QUANTITY	TOTAL COST	SPECIFICATION		
<u>*PALMS</u>							
SABAL PALM	\$240.00	EA	4	\$960.00	12' Clear Trunk, Booted, Straight Trunk		
<u>*SHRUBS</u>							
DWARF FIREBUSH	\$7.50	EA	100	\$750.00	3 Gallon, 24"x18", Full, 3' On Center		
DWARF FAKAHATCHEE	\$7.00	EA	333	\$2,331.00	3 Gallon, 24"x18", Full, 2.5' On Center		
COCOPLUM HORIZONTAL	\$8.00	EA	144	\$1,152.00	3 Gallon, 10"x10", Full, 3' On Center		
<u>IRRIGATION</u>							
MODIFICATIONS	\$10,000.00	LS	1	\$10,000.00	Modify / Repair Existing Irrigation		
TOTAL OVERALL COST				\$15,193.00			

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT G

PATTERNED PAVEMENT INSTALLATION (When Applicable)

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

1. Prior to acceptance by the DEPARTMENT, all lanes for each of the stamped asphalt crossings projects shall be tested for friction in accordance with ASTM E 274-06. All costs for friction testing will be the responsibility of the AGENCY. The initial friction resistance shall be at least 35 obtained at 40 mph with a ribbed test tire (FN40R) or equivalent. Failure to achieve this minimum resistance shall require all deficient crosswalk areas to be removed to their full extent (lane-by-lane) and replaced with the same product installed initially. If more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the Qualified Products List (QPL). All lanes receiving new installations shall again be friction tested within 60-90 days of their acceptance by the local AGENCY. The initial friction resistance of each new installation shall be at least 35 (FN40R) or equivalent. Failure to achieve this minimum resistance shall require all deficient areas be removed to their full extent (lane-by-lane) and replaced with the same product installed initially. If more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the DEPARTMENT 'S Qualified Products List (QPL), or replaced with conventional pavement.
- The results of all friction tests and condition surveys shall be sent to the **Operations Engineer** at the local FDOT District Four Operations Center located at Broward Operations, 5548 NW 9th Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300, with a cover letter either certifying that the crosswalks comply with the above stated requirements; or what remedial action will be taken to restore the friction and/or integrity of the crosswalk area.
2. When remedial action is required in accordance with the above requirements, the local AGENCY at its own expense shall complete all necessary repairs within 90 days of the date the deficiency was identified.
3. Should the local AGENCY fail to satisfactorily perform any required remedial work or testing in accordance with this agreement, the DEPARTMENT reserves the right to replace the patterned pavement with conventional pavement and bill the local AGENCY for this cost. No more than two full stamped asphalt pavement depth repairs shall be made to an area without first resurfacing the pavement to its full depth.

SECTION No.(s): 86010, 86016, 86030, 86018, 86040,
860105, 86040215, 86070, 86100, 86230
S.R. No.(s): A1A, 5, 7, 9, 820, 822, 824 & 848
COUNTY: Broward

EXHIBIT H
PATTERNED PAVEMENT MAINTENANCE
(If Applicable)

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

"Maintenance" of all patterned pavement crosswalks in these Agreements shall be defined, as a minimum, to include its frictional characteristics and integrity as follows:

1. Within 60 days of project acceptance by the Department, all lanes of each patterned crosswalk shall be evaluated for surface friction. The friction test shall be conducted using either a locked wheel tester in accordance with **FM 5-592 (Florida Test Method for Friction Measuring Protocol for Patterned Pavements)** or Dynamic Friction Tester in accordance with **ASTM E1911**. **All costs for friction testing are the responsibility of the AGENCY.**

The initial friction resistance shall be at least 35 obtained at 40 mph with a ribbed tire test (FN40R) or equivalent (FM 5-592 attached). Failure to achieve this minimum resistance shall require all deficient crosswalk areas to be removed to their full extent (land-by-land) and replaced with the same product installed initially. The AGENCY is responsible for all costs associated with the removal and replacement of the crosswalk. If the Department determines that more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the Qualified Products List (QPL) or replaced with conventional pavement.

2. Approximately **one year** after project acceptance and **every two years** thereafter and for the life of the adjacent pavement, only the outside traffic lane areas of each patterned crosswalk shall be tested for friction resistance in accordance with **ASTM E274** or **ASTME 1911**. Friction resistance shall, at a minimum, have a FN40R value of 35 (or equivalent).
3. The results of all friction tests shall be sent to the **Operations Engineer** at the local FDOT District Four Operations Center located at Broward Operations, 5548 NW 9th Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300, with a cover letter either certifying, that the crosswalks comply with the minimum friction criteria, or stating what remedial action will be taken to restore the friction.

4. Failure to achieve the minimum resistance shall require all lanes of the crosswalk to be friction tested to determine the extent of the deficiency. All deficient areas shall be removed to their full extent (lane-by-lane) and replaced with the same product installed initially. If the Department determines that more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the QPL, or replaced with conventional pavement.
5. When remedial action is required in accordance with the above requirements, the local agency shall complete all necessary repairs at its own expense within 90 days of the date when the deficiency was identified. No more than two full depth patterned pavement repairs shall be made to an area without first resurfacing the underlying pavement to 1" minimum depth.
6. The Department will not be responsible for replacing the treatment following any construction activities by the Department in the vicinity of the treatment, or any costs for testing.
7. Should the local agency fail to satisfactorily perform any required remedial work or testing in accordance with this agreement, the Department reserves the right to replace the patterned pavement with conventional pavement (matching the adjacent pavement) and bill the local agency for this cost.

Florida Test Method
for
Friction Measuring Protocol for Patterned Pavements

Designation: FM 5-592

1. SCOPE

This method covers the testing procedures for evaluating the friction resistance of Patterned surfaces used in crosswalks over asphalt and concrete surfaces

Note: This test method contains two parts:

Part A- Friction testing performed with the Locked Wheel Friction Tester

Part B- Friction testing performed with the Dynamic Friction Tester (DFT)

2. APPARATUS

2.1 Locked Wheel Friction Tester- This apparatus shall be standardized in accordance with ASTM E 274, "Standard Test Method for Skid Resistance of Paved Surfaces Using a Full-Scale Tire". The friction test tire used shall be in accordance with ASTM E 501, "Standard Specification for Standard Rib Tire for Pavement Skid-Resistance".

2.2 Dynamic Friction Tester- This apparatus shall be standardized in accordance with ASTM E 1911, "Standard Test Method for Measuring Paved Surface Frictional Properties Using the Dynamic Friction Tester".

3. FRICTION NUMBER CONVERSION

The regression equations relating the locked wheel test results and the DFT results at 40 mph (65 km/h) are:

$$FN40R = 0.64 \cdot DFT40 + 9.23 \quad (1)$$

$$DFT40 = 1.56 \cdot FN40R - 14.42 \quad (2)$$

where,

FN40R = Friction Number from locked wheel testing at 40 mph using a ribbed tire
DFT40 = Coefficient of Friction from DFT at 40 mph multiplied by 100.

Although the above equations can be used to convert the DFT result to the locked wheel friction number at 40 mph and vice versa, conditions do exist where the DFT testing or the locked wheel testing at 40 mph is not feasible due to constraints such as safety, traffic congestion, speed limits, and/or roadway geometries. In these cases, it may be preferable to conduct the locked wheel

testing at a slower speed, e.g., 20 or 30 mph. The following regression equations have been developed to convert the locked wheel test results at 20 and 30 mph to those at 40 mph:

$$FN_{40R} = 0.89 \cdot FN_{20R} - 4.88 \quad (3)$$

where,

FN_{20R} = Friction Number from locked wheel testing at 20 mph using a ribbed tire, and

$$FN_{40R} = 0.95 \cdot FN_{30R} - 2.91 \quad (4)$$

where,

FN_{30R} = Friction Number from locked wheel testing at 30 mph using a ribbed tire.

For ease of application of the above harmonization results, Table 1 summarizes the conversions from FN_{30R} , FN_{20R} and DFT_{40} to FN_{40R} . Note that the friction numbers shown in this table were rounded to the closest integer. The numbers highlighted in yellow represent the current minimum required friction numbers depending on survey cycle, test method, and speed evaluated.

Table 1. Friction Number Table

FN40R	FN30R	FN20R	DFT40
22	26	30	20
23	27	31	21
24	28	32	23
25	29	34	25
26	30	35	26
27	31	36	28
28	33	37	29
29	34	38	31
30*	35*	39*	32*
31	36	40	34
32	37	41	36
33	38	43	37
34	39	44	39
35**	40**	45**	40**
36	41	46	42
37	42	47	43
38	43	48	45
39	44	49	46
40	45	50	48
41	46	52	50
42	47	53	51
43	48	54	53
44	49	55	54
45	50	56	56

*Minimum friction numbers required for inventory cycles of patterned crosswalks.

**Minimum friction numbers required for new construction and 3-year QPL test decks for patterned crosswalks.

4. PROCEDURE

The test procedures for both the Locked Wheel Friction Tester and the Dynamic Friction Tester are described in the following. All testing should be performed within either the driver or passenger side wheel path, regardless of the equipment used.

4.1 PART A- Friction Testing with the Locked Wheel Friction Tester

- A) **New Construction** – The locked wheel test shall be conducted on all crosswalks within 60 days of the new surface completion date. One valid lockup test is required for each lane; all lanes shall be evaluated

and compared. The test layout is shown in Figure 1.

- B) **Inventory** – For in-service Qualified Product List (QPL) test sections, the locked wheel test is conducted at 6 month intervals up to 3 years. Maintenance surveys are conducted on a yearly basis. Test site shall be confined to a single outside traffic lane (single direction) for each crosswalk location. The locked wheel test will require three repeat lockups and averaged for the designated test lane. The lane in which the friction tests were conducted must be identified in the report along with the test results.
- C) **Retest** – At any point when friction numbers are determined to be below the required values shown in Table 1, all lanes shall be evaluated and the range of friction values shall be determined.
- D) **Special Request** – At any time a patterned pavement is in need of a special assessment, the designated lane(s) shall be evaluated to determine the range of representative friction values.

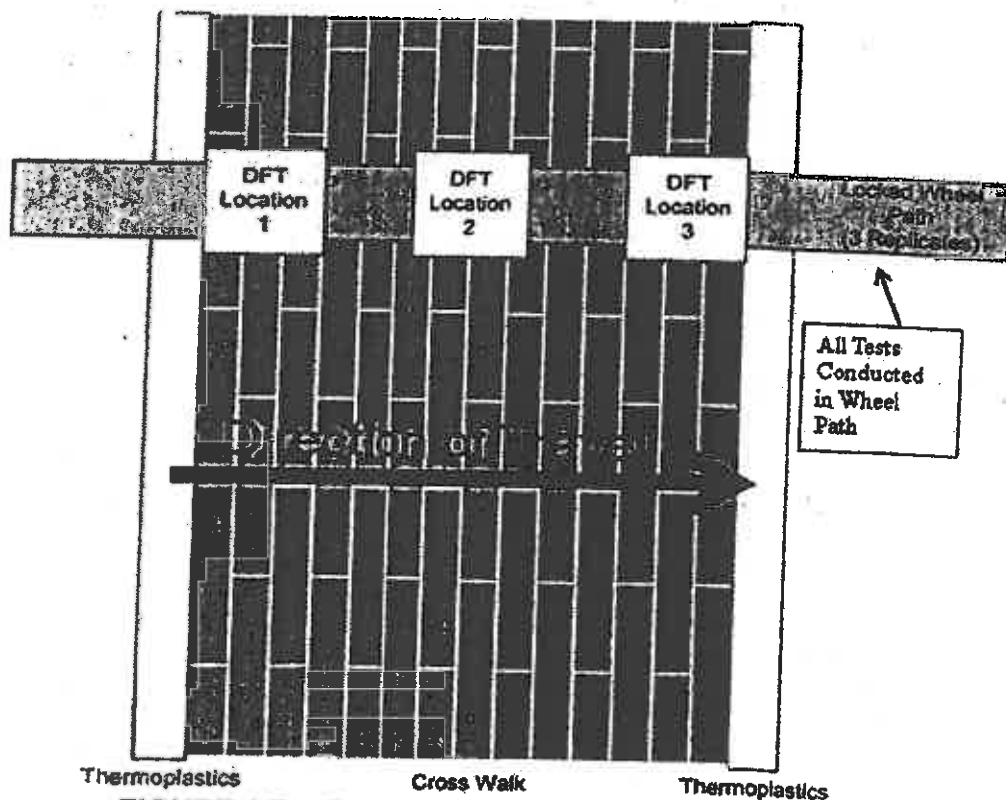


FIGURE 1 Testing protocol for patterned pavement.

4.2 PART B- Skid Testing with the Dynamic Friction Tester (DFT)

- A) **New Construction** – The DFT test shall be conducted on all crosswalks within 60 days of the new surface completion date. DFT tests shall be conducted at three (3) discrete locations in each lane; the results shall be averaged and reported for each lane tested. All lanes shall be evaluated and compared. The test layout is shown in Figure 1.
- B) **Inventory** – For in-service QPL test sections, the DFT test is conducted at 6 month intervals up to 3 years. Maintenance surveys are conducted on a yearly basis. Test site shall be confined to a single outside traffic lane (single direction) for each crosswalk location. DFT tests will be conducted at three (3) discrete locations (Figure 1) in each lane; the results shall be averaged and reported for each lane tested. The lane in which the friction tests were conducted should be identified in the report with the test results.
- C) **Retest** – At any point when friction numbers are determined to be below the required values shown in Table 1, all lanes shall be evaluated and the range of friction values shall be determined.
- D) **Special Request** – At any time a patterned pavement is in need of a special assessment, the designated lane(s) shall be evaluated to determine the range of representative friction values.

5 REPORT

- 5.1 Friction numbers for the patterned crosswalks should be reported using FDOT's Materials form number 675-060-05. This form can be downloaded from FDOT's website at:
<http://formserver.dot.state.fl.us/MiscRepository/forms/67506005.xlsm>.

RESOLUTION NO. R-2013-027

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA, AUTHORIZING THE APPROPRIATE CITY OFFICIALS TO EXECUTE THE ATTACHED INCLUSIVE LANDSCAPING MAINTENANCE MEMORANDUM OF AGREEMENT BETWEEN THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE CITY OF HOLLYWOOD (CITY) TO MAINTAIN LANDSCAPE AND STREETScape IMPROVEMENTS WITHIN THE FDOT'S HIGHWAY FACILITIES WITHIN THE MEDIANS, OUTSIDE THE TRAVEL WAY AND MADE TO THE TRAVEL WAY (IF APPLICABLE) THAT WERE MADE AT THE REQUEST OF THE CITY OF HOLLYWOOD.

WHEREAS, the City Commission desires to beautify the public rights-of-way within the City of Hollywood to include State highway facilities; and

WHEREAS, the Florida Department of Transportation has jurisdiction over State Roads A1A, 5, 7, 9, 820, 824 and 848 as part of the State Highway System, as described in Exhibit A, to the attached Inclusive Landscape Maintenance Memorandum of Agreement which traverse through the corporate limits of the City of Hollywood; and

WHEREAS, it is the intent of the FDOT and the City that FDOT's highway facilities that contain landscape and/or streetscape improvements within the medians, outside the travel lane and made to the travel lane that were made at the request of the City shall be maintained by the City; and

WHEREAS, the FDOT and the City have entered into previous agreements for the City to maintain landscape and streetscape improvements on FDOT's right of way, and for simplicity and uniformity of current and future landscaping understandings, the parties intend for this inclusive agreement to replace and supersede the previous landscape agreements described within Exhibit C to this inclusive agreement designated to be superseded, except as otherwise provided in the Agreement; and

WHEREAS, as part of this inclusive agreement, the FDOT and the City seek to have the City maintain landscape and streetscape improvements on Pending Department and Permit Landscape and Streetscape Improvement Projects which are described in Exhibits B and D to this inclusive agreement; and

CERTIFICATION

I certify this to be a true and correct copy of the record in my office.

WITNESSETH my hand and official seal of the City of Hollywood, Florida, this the

23 day of Feb 20 13

Official Clerk City Clerk

RESOLUTION: INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT BETWEEN
FDOT AND CITY FOR FDOT RIGHT OF WAY

WHEREAS, provisions to incorporate future landscape and streetscape improvements within State Road 7 as part of this inclusive agreement have been made and can be included once plans are finalized and accepted by both parties;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE
CITY OF HOLLYWOOD, FLORIDA:

Section 1: That it hereby approves and authorizes the execution, by the appropriate City officials, of the attached Inclusive Landscape Maintenance Memorandum of Agreement between the Florida Department of Transportation and the City of Hollywood, together with such non-material changes as may be acceptable to the City Manager and approved as to form and legality by the City Attorney.

Section 2: That this resolution shall be in full force and effect immediately upon its passage and adoption.

PASSED AND ADOPTED this 6 day of Feb, 2013.



PETER BOBER, MAYOR

ATTEST:


PATRICIA A. CERNY, MMC
CITY CLERK

APPROVED AS TO FORM & LEGALITY
for the use and reliance of the
City of Hollywood, Florida only:


JEFFREY P. SHEFFEL CITY ATTORNEY

CERTIFICATION

I certify this to be a true and correct copy
of the record in my office.
WITNESSETH my hand and official seal of
the City of Hollywood, Florida, this the
22 day of Feb, 2013

City Clerk