TOWN OF DAVIE
TOWN COUNCIL AGENDA REPORT

TO: Mayor and Councilmembers

FROM/PHONE: Manny Diez, Public Works & Capital Projects Director, (954) 797-1245

PREPARED BY: Dan Oyler, Assistant Public Works Director, (954) 797-1840

SUBJECT: Resolution

AFFECTED DISTRICT: 1

ITEM REQUEST: **Schedule for Council Meeting**

TITLE OF AGENDA ITEM: AGREEMENT - A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ENTER INTO A "STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LOCALLY FUNDED AGREEMENT" FOR LANDSCAPE AND IRRIGATION IMPROVEMENTS ALONG SR-7/US-441 FROM ORANGE DRIVE (M.P.6.485) NORTH TO I-595 (M.P.7.400) (Town's share - $62,775)

REPORT IN BRIEF: The Florida Department of Transportation will be doing a roadway improvement project along State Road-7 from Orange Drive north to I-595. In conjunction with this improvement, certain landscape improvements will also be made. The improvements are indicated in the attached "State of Florida Department of Transportation Locally Funded Agreement". In order to make the landscape improvements consistent with the State Road-7 Corridor Study adopted by the Town, the Town shall share in the cost by providing $62,775 in funding from the Tree Preservation Trust account.

PREVIOUS ACTIONS: None

CONCURRENCES: Public Works Department

FISCAL IMPACT: Yes

Has request been budgeted? Yes

If yes, expected cost: $62,775

Account name and number: Tree Preservation Exp. 001-0701-541-0530

RECOMMENDATION(S): Motion to approve resolution

Attachment(s): Resolution and Agreement

RESOLUTION _____

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ENTER INTO A "STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION LOCALLY FUNDED AGREEMENT" FOR LANDSCAPE AND IRRIGATION IMPROVEMENTS ALONG SR-7/US-441 FROM ORANGE DRIVE (M.P.6.485) NORTH TO I-595 (M.P.7.400)

WHEREAS, the Town of Davie, with the participation of the Florida Department of Transportation desire having certain landscape improvements made in connection with Financial Management Number 416876-1-52-01 for landscape and irrigation improvements on SR-7/US-441; and

WHEREAS, it is in the Town's best interest to participate in the funding of said landscaping and irrigation improvements in the amount of $62,775; and

WHEREAS, after review the Town Council authorizes the Mayor to execute the State of Florida Department of Transportation Locally Funded Agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF DAVIE, FLORIDA.

SECTION 1. The Town Council authorizes the Mayor to execute the State of Florida Department of Transportation Locally Funded Agreement.

SECTION 2. The Town Council authorizes the payment of $62,775.00 to the Florida Department of Transportation from the Tree Preservation Fund, account number 001-0701-541-05-30.

SECTION 3. This resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS _____ DAY OF_____, 2009

_____

MAYOR/COUNCILMEMBER

ATTEST:

_____

TOWN CLERK

APPROVED THIS _____ DAY OF_____, 2009

FM No: 416876-1-52-01
FEID No: VF-596-046-527

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LOCALLY FUNDED AGREEMENT

THIS Locally Funded Agreement ("Agreement"), entered into this_____ day of_____ 200_____, by and between the State of Florida Department of Transportation hereinafter called the **DEPARTMENT**, and the **TOWN OF DAVIE** located at **6591 Orange Drive, Davie, FL 33314**, hereinafter called the **PARTICIPANT.**

WITNESSETH

WHEREAS, the **DEPARTMENT** and the **PARTICIPANT** are desirous of having the **DEPARTMENT** make certain improvements in connection with Financial Management (FM) Number **416876-1-52-01 (**Funded in **Fiscal Year 2009/2010)** for **Landscape & Irrigation Improvements along SR-7/US-441 from Orange Drive (M.P. 6.485) to South of I-595 (M.P. 7.400) in Broward County**, **Florida**. Refer to Exhibit "A", Scope of Services attached hereto and made a part hereof; and

WHEREAS, for purposes of this Agreement, improvements to be made as stated above are hereinafter referred to as the PROJECT; and

WHEREAS, the improvements are in the interest of both the **PARTICIPANT** and the **DEPARTMENT** and it would be more practical, expeditious, and economical for the **DEPARTMENT** to perform such activities; and

WHEREAS, the **PARTICIPANT** by Resolution No._____ adopted on_____, 200_____, a copy of which is attached hereto and made a part hereof, authorizes the proper officials to enter into this AGREEMENT.

NOW, THEREFORE, in consideration of the mutual benefits to be derived from joint participation on the PROJECT, the parties agree to the following:

1. The recitals set forth above are true and correct and are deemed incorporated herein.

2. The **DEPARTMENT** shall be responsible for assuring that the Project complies with all applicable Federal, State and Local laws, rules, regulations, guidelines and standards.

3. The **PARTICIPANT** agrees to make all previous studies, maps, drawings, surveys and other data and information pertaining to the Project available to the **DEPARTMENT** at no extra cost.

4. The **PARTICIPANT'S** share is estimated to be a payment of **SIXTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE DOLLARS ($62,775.00)** to the **DEPARTMENT,** for the Project. In the event the actual cost of the Project is less than the **PARTICIPANT'S** share of **SIXTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE DOLLARS ($62,775.00),** the difference shall be refunded to the **PARTICIPANT**. In the event the actual cost of the Project is more than the **PARTICIPANT'S** share, any cost overruns or cost increases shall be the sole responsibility of the **PARTICIPANT**.

The **PARTICIPANT** agrees that it will, within thirty (30) days of receipt of invoice, furnish the **DEPARTMENT** with a check in the amount of **SIXTY TWO THOUSAND SEVEN HUNDRED SEVENTY FIVE DOLLARS ($62,775.00)** towards the Project Costs.

Remittance shall be made **payable** to the **Department of Transportation.** Payment shall be clearly marked to indicate that it is to be applied to FM Project No. **416876-1-52-01.** The **DEPARTMENT** shall utilize this amount towards costs of Project **416876-1-52-01.**

Payment shall be mailed to:
Florida Department of Transportation
Professional Services Unit- Attention: Leos A. Kennedy, Jr.
3400 W. Commercial Boulevard
Fort Lauderdale, Florida 33309-3421

A. If the accepted bid amount plus allowances is in excess of the advance deposit amount, the **PARTICIPANT** will provide an additional deposit within fourteen (14) calendar days of notification from the **DEPARTMENT** or prior to posting of the accepted bid, whichever is earlier, so that the total deposit is equal to the bid amount plus allowances. The **DEPARTMENT** will notify the **PARTICIPANT** as soon as it becomes apparent the accepted bid amount plus allowances are in excess of the advance deposit amount; however, failure of the department to so notify the **PARTICIPANT** shall not relieve the **PARTICIPANT** from its obligation to pay for its full participation. If the **PARTICIPANT** cannot provide the additional deposit within fourteen (14) calendar days, a letter must be submitted to and approved by the **DEPARTMENT'S** Project Manager indicating when the deposit will be made. The **PARTICIPANT** understands the request and approval of the additional time could delay the Project, and additional costs may be incurred due to delay of the Project.

B. Should Project modifications occur that increase the **PARTICIPANT'S** share of total Project costs, the **PARTICIPANT** will be notified by the **DEPARTMENT**. The **PARTICIPANT** agrees to provide, without delay, in advance of the additional work being performed, adequate funds to ensure that cash on deposit with the **DEPARTMENT** is sufficient to fully fund its share of the Project. The **DEPARTMENT** shall notify the **PARTICIPANT** as soon as it becomes apparent the actual costs will overrun the award amount; however, failure of the **DEPARTMENT** to so notify the **PARTICIPANT** shall not relieve the **PARTICIPANT** from its obligation to pay for its full participation. Funds due from the **PARTICIPANT** during the Project not paid within forty (40) days calendar days from the date of the invoice are subject to an interest charge at a rate established pursuant to **Section 55.03, F.S**.

C. The **DEPARTMENT** intends to have its final and complete accounting of all costs incurred in connection with the work performed hereunder within three hundred sixty days (360) of final payment to the Contractor. The **DEPARTMENT** considers the Project complete when the final payment has been made to the Contractor, not when the construction work is complete. All Project cost records and accounts shall be subject to audit by a representative of the **PARTICIPANT** for a period of three (3) years

after final close out of the Project. The **PARTICIPANT** will be notified of the final cost. Both parties agree that in the event the final accounting of total Project costs pursuant to the terms of this Agreement is less than the total deposits to date, a refund of the excess will be made by the **DEPARTMENT** to the **PARTICIPANT**. If the final accounting is not performed within three hundred sixty (360) days, the **PARTICIPANT** is not relieved from its obligation to pay.

D. In the event the final accounting of total Project costs is greater than the total deposits to date, the **PARTICIPANT** will pay the additional amount within forty (40) calendar days from the date of the invoice from the **DEPARTMENT**. The **PARTICIPANT** agrees to pay interest at a rate as established pursuant to ***Section 55.03, F. S.***, on any invoice not paid within forty (40) calendar days until the invoice is paid.

5. The **PARTICIPANT** and the **DEPARTMENT** shall comply with the provisions set forth in **Exhibit "B", Maintenance Memorandum of Agreement (MMOA)**, which is attached hereto and made part of this Agreement. The **PARTICIPANT** shall sign and return the separately packaged **MMOA** together with this Agreement, to the **DEPARTMENT** for final approval and execution.

6. In the event it becomes necessary for either party to institute suit for the enforcement of the provisions of this Agreement, each party shall be responsible to pay their own attorney fees and court costs.

7. This AGREEMENT and any interest herein shall not be assigned, transferred or otherwise encumbered by the **PARTICIPANT** under any circumstances without the prior written consent of the **DEPARTMENT**. However, this AGREEMENT shall run to the **DEPARTMENT** and its successors.

8. Except as otherwise set forth herein, this AGREEMENT shall continue in effect and be binding to both the **PARTICIPANT** and the **DEPARTMENT** until the Project is **completed** as evidenced by the written acceptance of the **DEPARTMENT**, or **June 30, 2012** whichever occurs first.

9. The **PARTICIPANT** warrants that it has not employed or obtained any company or person, other than bona fide employees of the **PARTICIPANT**, to solicit or secure this AGREEMENT, and it has not paid or agreed to pay any company, corporation, individual or firm, other than a bona fide employee employed by the **PARTICIPANT**. For breach or violation of this provision, the **DEPARTMENT** shall have the right to terminate the AGREEMENT without liability.

10. This AGREEMENT is governed by and construed in accordance with the laws of the State of Florida. Venue with respect to any litigation shall be in Broward County.

11. This document incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained herein, and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this agreement that are not contained in this document. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representation or agreements whether oral or written. It is further agreed that no modification,

amendment, or alteration in the terms and conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

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

If to the DEPARTMENT:
Florida Department of Transportation - District Four
3400 West Commercial Blvd.
Fort Lauderdale, Florida 33309-3421
Attn: **Leos A. Kennedy, Jr.**
With a copy to: **Leslie Wetherell**
A second copy to: District General Counsel

If to the PARTICIPANT:
Town of Davie
6591 Orange Drive
Davie, FL 33314
Attn: Mr. Dan Oyler
Asst. Public Works Director
With a copy to: Attorney

***

IN WITNESS WHEREOF, this Agreement is to be executed by the parties below for the purposes specified herein. Authorization has been given to enter into and execute this Agreement by Resolution No. _____, hereto attached.

TOWN OF DAVIE

BY: _____
NAME: _____
TITLE: _____

ATTEST:

_____
TOWN CLERK (SEAL)

APPROVED:

BY: _____
TOWN ATTORNEY

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: _____
ROSIELYN QUIROZ
DIRECTOR OF TRANSPORTATION SUPPORT

APPROVED: (AS TO FORM)

BY: _____
DISTRICT GENERAL COUNSEL

APPROVED:

BY: _____
PROFESSIONAL SERVICES ADMINISTRATOR

EXHIBIT A
SCOPE OF WORK

This project involves landscape improvements to the median on **SR-7** and it extends from north of Orange Drive (**M.P. 6.485**) to southern limit of I-595 (**M.P. 7.400**)

1) The **DEPARTMENT** shall perform the following services, which are to include:
   a) Develop the landscape/irrigation plans, which are shown as a part of the Maintenance Memorandum of Agreement (**MMOA**), Exhibit B, attached hereto and made a part of the Agreement.
   b) Construct the landscape/irrigation improvements as shown in the plans which are a part of the **MMOA**.

2) The **PARTICIPANT** shall perform the following services which include, but is not limited to:
   a) Entering into a Maintenance Memorandum of Agreement (**MMOA**) with the **DEPARTMENT** for the maintenance of all proposed landscape and irrigation improvements.

EXHIBIT "B"

MAINTENANCE
MEMORANDUM OF AGREEMENT

SECTION Nos.:	**86100000, 86080000** **86220000, 86190000** **86015000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**416876-1-52-01** **408439-154-01** **416553-1-58-01** **411323-1-52-02** **413796-1-52-01** **421672-1-52-01** **403698-1-72-01**
WPI Nos.	**4119110, 4119110,** **4119110, 4612014,** **4110571, 4111149,** **4110998**

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DISTRICT FOUR (4)
MAINTENANCE MEMORANDUM OF AGREEMENT
INCLUSIVE AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____20____, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, a component agency of the State of Florida, hereinafter called the DEPARTMENT and the **TOWN OF DAVIE**, of the State of Florida, existing under the Laws of Florida, hereinafter called the AGENCY.

W I T N E S S E T H:

WHEREAS, the DEPARTMENT has jurisdiction over State Roads 7, 817, 823, 818, and 848 as part of the State Highway System as described in Exhibit A; and

WHEREAS, the DEPARTMENT seeks to install or has installed and maintains certain landscape improvements within the right-of-way of State Road 7 (US 441) and SR 817 (University Drive) and the other roads described; 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 described further in Exhibit A attached hereto and incorporated by reference herein; and

WHEREAS, the AGENCYand DEPARTMENT are of the opinion that highway facilities within the AGENCY'S limits that contain landscape improvements to medians and areas outside the travel way to the right of way line and areas within the travel way containing specialty surfacing (concrete pavers, stamped asphalt or stamped concrete), including any hardscape, but excluding standard concrete sidewalk, shall be maintained by periodic pruning, mowing, fertilizing, weeding, litter pick-up, necessary replanting, irrigation repair and any median concrete replacements associated with the specialty surfacing as needed; 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 that were made at the request of the AGENCY; and

WHEREAS, the AGENCY and DEPARTMENT intend for this agreement to replace and supersede the agreements described in Exhibit C 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._____ dated _____, 20____, 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 DEPARTMENT

   The DEPARTMENT has installed, will install, or cause to be installed *landscape improvements* including: plantings, irrigation and/or hardscape on the highway facilities substantially as specified in the initial plans and specifications hereinafter referred to as the Project and incorporated herein as referenced as State Roads 7, 817, 823, 818, and 848 in Exhibits B, C and D. If there are any major changes to the plans, the DEPARTMENT shall provide the modified plans 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 improvement if changes are not approved within the given time frame. Hardscape shall mean, but not limited to, any non-standard landscape lighting, any non-standard roadway, sidewalk, median or crosswalk surfacing, such as, but not limited to concrete pavers, stamped asphalt or color stained and/or stamped concrete, fountain, tree grates, and/or decorative free standing wall. This amount may be reduced or eliminated at the sole discretion of the DEPARTMENT due to budgetary constraints of the DEPARTMENT.

3. MAINTENANCE OF FACILITIES

   A. The AGENCY agrees to maintain the landscape improvements, as existing and those to be installed and defined as: plantings, irrigation, and / or hardscape within the medians and areas in and outside the travel way to the right of way line as described in Exhibit A. These areas may contain specialty surfacing as existing and as described in Exhibits B, C, and D. The non-standard improvements to the travelway shall be maintained by the AGENCY regardless if the said improvement was made by the DEPARTMENT, the AGENCY, or others by periodic pruning, mowing, fertilizing, weeding, curb and sidewalk edging, litter pickup, necessary replanting, and / or repair following the DEPARTMENT'S landscape safety and maintenance guidelines and Exhibit E, the Maintenance Plan. 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 specialty surfacing. 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

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header curb and concrete areas on the 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 the proper watering and fertilization of all plants and keeping 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 grass 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 or for those using the roadway and or sidewalk; (3) preventing any other potential roadway hazards. Plants shall be those items which would be scientifically classified as plants and include but are not limited to trees, shrubs, groundcover and sod. To maintain also means removing or replacing dead or diseased plants in their entirety, or removing or replacing those that fall below original project standards. Palms must be kept fruit free year round. To maintain also means keeping the header curbs that contain the surfacing treatment in optimum condition. To maintain also means keeping the hardscape areas free from weeds and repairing said hardscape as is necessary to prevent a safety hazard. To maintain also means keeping litter removed from the median and areas outside the travel way to the right of way line. 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 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

(2) The AGENCY shall be responsible for all the improvements immediately after final acceptance of the construction project by the DEPARTMENT except for plants. The AGENCY shall be responsible for the maintenance of all improvements after the completion of the Plant Establishment and Contractor's Warranty Period.

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.

4. SUPERSEDED PRECEDING AGREEMENTS

This Agreement shall replace and supersede any and all preceding agreements as listed in Exhibit C. The landscape improvement plans attached to the referenced agreements shall by reference become a part of this agreement as if they were attached hereto. The AGENCY shall have the same duty to maintain those landscape improvements under this

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Agreement as the Agency did under the previous 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.

5. 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 12, 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.

6. 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 responsible AGENCY (*Chairperson/Mayor/City Manager/City Engineer/Director of Public Works/Director of Parks and Recreation approval signature*) to the new landscape improvements and maintenance plan thereof. If the AGENCY and the DEPARTMENT are unable to come to an agreement, the DEPARTMENT, in its sole discretion, may install sod and the agency shall be required, pursuant to this Agreement, to continue maintaining said landscape improvements. It is understood between the parties hereto that the landscape improvements covered by this Agreement may be removed, relocated, or adjusted at any time in the future, as determined to be necessary by the DEPARTMENT in order that the adjacent state road be widened, altered, or otherwise changed to meet with future criteria or planning of the DEPARTMENT. The AGENCY shall be given sixty (60) calendar day's notice to remove said

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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.

7. 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.

8. ADJACENT PROPERTY OWNER IMPROVEMENTS

The DEPARTMENT may allow an adjacent property owner to construct additional landscape or hardscape 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.

9. PROJECT COST

The DEPARTMENT agrees to enter into a contract for the installation of the Project (SR 7/US 441) for an amount not to exceed $212,895.00 and for the installation of the Project (SR 817/University Drive)) for an amount not to exceed $90,000.00 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 this Project.

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

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10. AGENCY REIMBURSEMENT

The DEPARTMENT and the AGENCY intend to enter into a separate agreement as further described in Exhibit E attached hereto and made a part hereof. The DEPARTMENT shall be invited to assist the AGENCY in final inspections before acceptance of the job by the AGENCY

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 last as long as the landscape improvements exist.

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, subconsultants, contractors and/or subcontractors. The AGENCY shall provide to the DEPARTMENT written evidence of the foregoing upon the request of the DEPARTMENT. It is specifically understood and agreed that 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 that the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the DEPARTMENT as an additional insured.

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(b) AGENCY'S contractor shall furnish AGENCY with Certificates of Insurance of Endorsements evidencing the insurance coverages 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. 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.

15. 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.

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

17. 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

18. EXCEPTION TO SUPERSEDED PRECEDING AGREEMENTS

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

19. 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:

THIS IS AN EXHIBIT ONLY NOT FOR EXECUTION

If to the DEPARTMENT:
State of Florida Department of Transportation
Planning & Environmental Management
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:
Town of Davie
6591 Orange Drive
Davie, Florida 33314
Attention: Mr. Dan Oyler
Title: Assistant Public Works Director

20. LIST OF EXHIBITS

Exhibit A: Town of Davie Maintenance Limits & Agreement Status Graphic
Exhibit B: Project(s) Pending Agreements
Exhibit C: Preceding Project Agreements Descriptions
Exhibit D: Pending Department Project(s) Landscape Improvement Plans
Exhibit E: Maintenance Plan (s)
Exhibit F: Pending Department Project(s) Cost Estimate

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

AGENCY

By: _____
Chairperson/Mayor

Attest: _____ (SEAL)
Clerk

Approval as to Form Date

_____ _____
Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: _____
Transportation Development Director

Attest: _____ (SEAL)
Executive Secretary

Approval as to Form Date

_____ _____
District General Counsel

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

SECTION Nos.:	**86100000, 86220000** **86190000, 86015000** **86080000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**40843915401** **416553-1-58-01** **41323-1-52-02** **413796-1-52-01** **421672-1-52-01** **403698-1-72-01**
WPI Nos.	**4119110, 4119110,** **4119110, 4612014,** **4110571, 4111149,** **4110998**

EXHIBIT A

TOWN OF DAVIE MAINTENANCE LIMITS

(See Attached Table)

The portion of I-595/SR 84 roads that are currently being maintained by the AGENCY will continue to be maintained by the AGENCY until 30 day notice by the DEPARTMENT.

The DEPARTMENT has the option to maintain a road or a portion thereof by giving the AGENCY 30 days notice. The AGENCY shall continue to maintain all other portions of roads within the agreement terms.

TOWN OF DAVIE MAINTENANCE LIMITS GRAPHIC FOR STATE ROADS:

(See Attached Graphic)

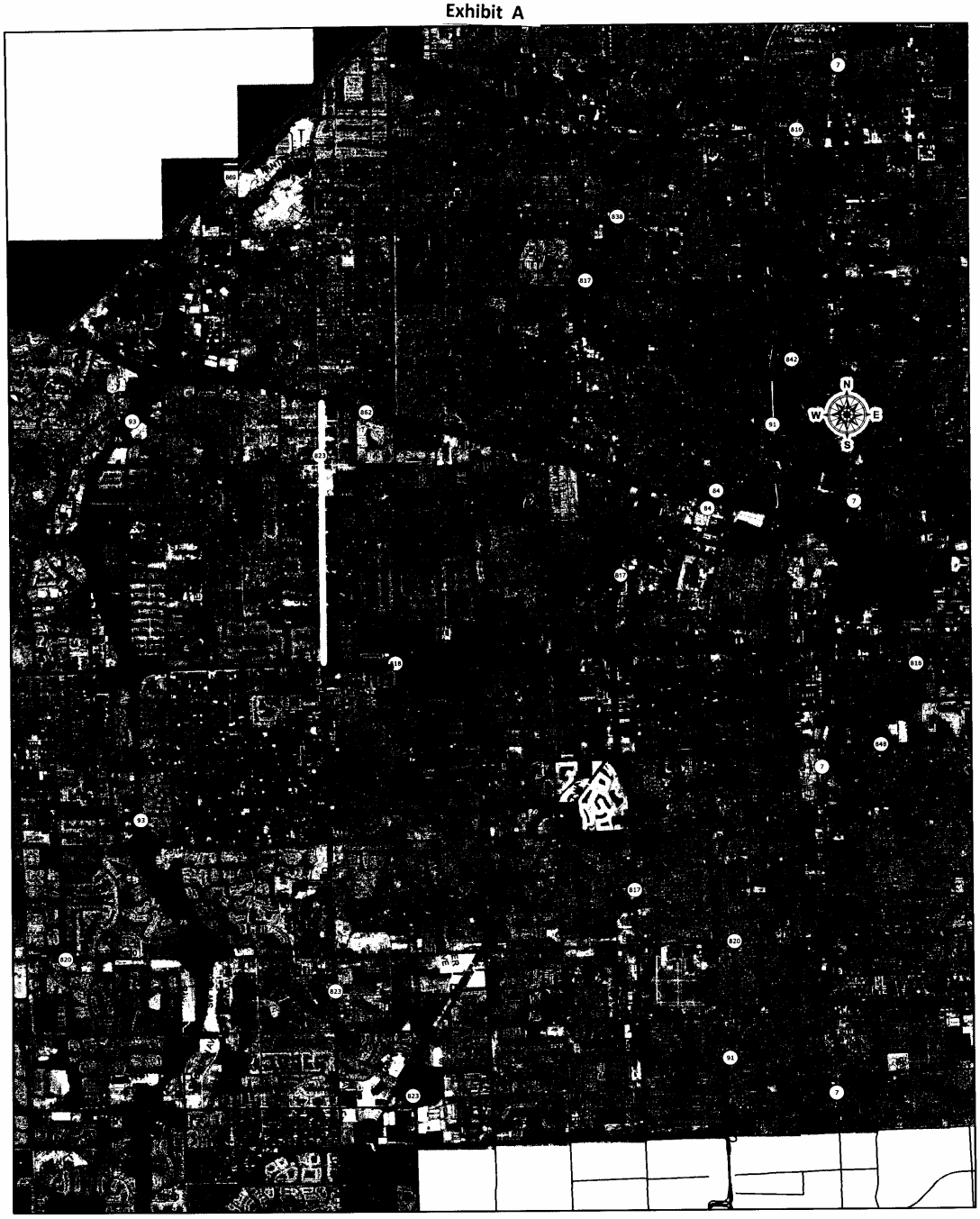
Areas to be maintained by the Agency according to this Maintenance Memorandum of Agreement (MOA).

THIS IS AN EXHIBIT ONLY - NOT FOR EXECUTION

EXHIBIT A
TOWN OFDAVIE MAINTENANCE
The following are loads to be Maintained by thavie

STATE ROAD	BEGIN ROAD NAME	BEGIN MILEPOST	END ROAD NAME	ENI	MAINTENANCE LIMITS
SR 7 (US 441)	SW 54 CT	5.568	I-595 Southern limited Access Line		Median and West Side to ROW
SR 817 (University Drive)	Sheridan Street	4.1	SR 84		ROW to ROW
SR 823 (Flamingo Road)	Orange Drive	7.404	SR 84		Medians Only
SR 848 (Stirling Road)	SR 818 University Drive	0	SR 91 Florida's Turnpike Enterprises		ROW to ROW
SR 818 (Griffin Road)	Pine Island Road	3.319	SR 7 (US 441)		ROW to ROW
CR 848 (Stirling Road)	SW 148th Ave	no milepost. SLD do not extend out tha far	Hawks Bluff Ave	no milo not et	Includes 4 Quadrants only

Exhibit A



TOWN OF DAVIE CITY LIMITS [redacted] COOPER CITY MAINT. LIMITS [redacted] MAINTENACE OF ROW TO ROW [redacted] MAINTENACE OF MEDIAN ONLY

SECTION Nos.:	**86100000, 86220000** **86190000, 86015000** **86080000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**40843915401** **416553-1-58-01** **41323-1-52-02** **413796-1-52-01** **421672-1-52-01** **403698-1-72-01**
WPI Nos.	**4119110, 4119110,** **4119110, 4612014,** **4110571, 4111149,** **4110998,**

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

EXHIBIT B

PROJECT(S) PENDING AGREEMENT(S)

All state right of way on SR 7 (US 441), within the limits of the Town of Davie

DEPARTMENT INSTALLED PROJECT:

I. State Road 7 (US 441) from Orange Drive (MP 6.483) to North of Oakes Road (MP 7.400). FM# 413796-1-52-01

II. State Road 817 (University Drive) From Orange Drive (MP 6.402) to SW 30th Street (MP 7.757) FM# 421672-1-52-01

SECTION Nos.:	**86100000, 86220000 86190000, 86015000 86080000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**408439-1-54-01 416553-1-58-01 411323-1-52-02 413796-1-52-01 421672-1-52-01 403698-1-72-01**
WPI Nos.	**4119110, 4119110, 4119110, 4612014, 4110574, 4111149, 4110998**

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

EXHIBIT C

PRECEDING PROJECT AGREEMENT DESCRIPTIONS

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

AGREEMENTS SUPERSEDED BY THIS AGREEMENT

12/18/2007 – State Road 818 (Griffin Road) east of RR on new Griffin Road landscaping (MP 6.186 to MP6.242). Resolution No. R2007-314.

2/2/2007 – State Road 817 (University Drive) MP 2.379 to MP 6.306. FM# 413796-1-52-01. Resolution No. R2007-17

12/16/2005 – The intersection of State Road 862 (I-595) landscaping and irrigation (MP 4.990 to MP 5.214). FM# 41323-1-52-02. Resolution No. R-2005-289

6/2/2004 – State Road 823 (Flamingo Road) from State Road 818 (Griffin Road) to State Road 84 Landscaping (MP7.343 to MP 10.897). FM# 416553-1-58-01. Resolution No. R2004-107

4/25/2001 – State Road 84 near Hacienda Avenue Apartments. Landscaping. Resolution No. R2001-99.

8/30/2000 – Amendment to 8/20/1997 agreement. State Road 823 (Flamingo Road) between Orange Drive and SW 36th Court and from State Road 84 to SW 14th Street. Landscaping (MP 7.417 to MP 10.684) FM# 40843915401. Resolution No. R2000-189

11/16/1999 – State Road 817 (University Drive) from south of Nova Drive north to State Road 84. Landscaping and irrigation (MP 8.244 to MP 8.757). WPI# 4110998. Resolution No. R99-306

Exhibit C

11/16/1999 – State Road 848 (Stirling Road) from SW 148th Avenue (Volunteer Road) west to Hawks Bluff Avenue. No mileposts. FM#403698-1-72-01. Resolution No. R99-305.

10/9/1998 – State Road 862 (I-595) at 136th Avenue - N,S,E & W Quadrants. Landscaping (MP 0.011 to 0.407) WPI# 4111149 Resolution No. R98-267

11/19/1997 – State Road 818 (Griffin Road) from State Road 7 (Us 441) west to Town limits, Davie Road, eleven hundred feet (1,100) north and south of Sate Road 818 and State Road 7 south to SW 52nd Court and north to seven hundred feet (700) north of orange Drive. Landscaping (MP 5.064 to MP 6.672). WPI # 4110571 Resolution No. R97-410

8/20/1997 – State Road 823 (Flamingo Road) from Orange Drive north to State Road 84. Landscaping and median mowing (MP 7.417 to MP 10.684). Median Areas only. FM# 408439-1-54-01 WPI # 4612014 Resolution No. R97-285

5/7/1997 – State Road 862 (I-595) and Davie Road All four quadrants Landscaping (MP 6.425 6.926) Resolution R97-168

3/20/1996 – State Road 823 (Flamingo Road from Orange Drive north to State Road 84. Landscaping (MP 7.417 to MP 10.684) WPI# 4119110 resolution No R96-92

12/7/1994 - Intersection of State Road 817 (University Drive and State Road 818 (Griffin Road). Landscaping, irrigation and paving (MP 6.439 to 6.439). WPI #4119110 Resolution No. R94-390

8/19/1991 – State Road 7 (US 441) from Orange Drive north to Oakes Road. Landscaping (MP 6.483 to MP7.086). WPI #4119110 Resolution No. R91-173

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

This Agreement, pursuant to paragraph number 18, shall supersede all other above agreements except as to the actual landscape plans that have not been replanted by subsequent FDOT approved projects. The terms of this agreement shall apply to those landscape plans.

SECTION Nos.:	**86100000, 86220000** **86190000, 86015000** **86080000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**40843915401** **416553-1-58-01** **41323-1-52-02** **413796-1-52-01** **421672-1-52-01** **403698-1-72-01**
WPI Nos.	**4119110, 4119110,** **4119110, 4612014,** **4110571, 4111149,** **4110998**

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

EXHIBIT D

PENDING DEPARTMENT PROJECT(S) LANDSCAPE IMPROVEMENT PLANS

Please see attached plans by:

I. State Road 7 (US 441)

Gentile, Holloway, O'Mahoney & Associates, Inc. — Dated: November 26, 2008

II. State Road 817 (University Drive)

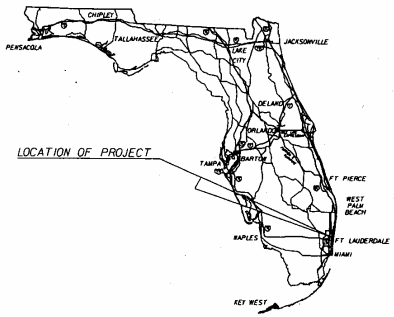
Cotleur Hearing — Dated: March 25, 2009

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 416876-1-52-01
BROWARD COUNTY (86100)
STATE ROAD NO. 7 - US 441

LANDSCAPE PLANS



INDEX OF TREE SURVEY

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SHEET LAYOUT
LD-3 AND LD-4	TABULATION OF QUANTITIES
LD-5	LANDSCAPE NOTES
LD-6 THROUGH LD-11	TREE SURVEY CHART
LD-12 THROUGH LD-20	LANDSCAPE PLANS
LD-21 THROUGH LD-29	IRRIGATION PLANS
LD-30	IRRIGATION TABLE AND DETAILS
LD-31	IRRIGATION NOTES AND PROCEDURES
LD-32	IRRIGATION PUMP DETAILS

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

PLANS PREPARED BY:
LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, ASLA LA0001677
CERTIFICATE OF AUTHORIZATION NO. LC0000177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants

1907 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-9557 www.landscape-architects.com

CONTRACT NO.: C-8771
VENDOR NO.: F650033480001

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2008,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2008,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-07
For Design Standards Modifications click on
"Design Standards" on the following web site:
http://www.dot.state.fl.us/rddesign/

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

Constructability Submittal
11/26/08

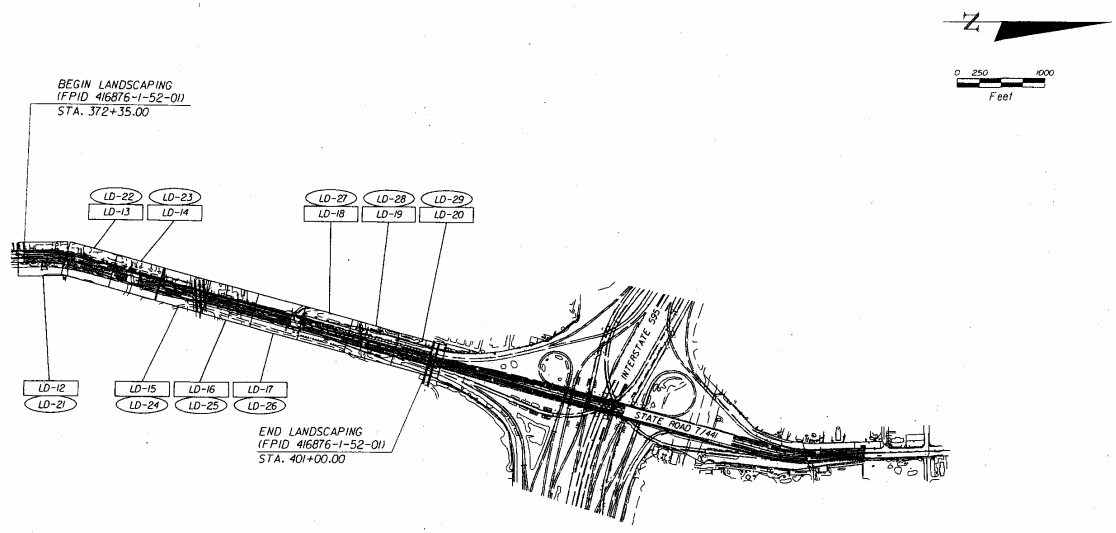
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD: JASON LITTERICK, ASLA

F.L.A. NO.: 0001677

FDOT PROJECT MANAGER: LESLIE WETHERELL, P.E.

FISCAL YEAR	SHEET NO.
07	LD-1



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-27.002, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICE, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
1907 Commerce Ln., Ste. 101, Jupiter, FL 33458 561.575.7037 www.landscapearchitects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

SHEET LAYOUT

SHEET NO. LD-2

1 of 15

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LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS LD-11 PLAN	LD-11 FINAL	LD-12 PLAN	LD-12 FINAL	LD-13 PLAN	LD-13 FINAL	LD-14 PLAN	LD-14 FINAL	LD-15 PLAN	LD-15 FINAL	TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
570-1-2		PERFORMANCE TURF (ST. AUGUSTINE)		LS															
580-1-1		SMALL PLANTS		LS															
580-1-2		LARGE PLANTS		LS															
590-70		IRRIGATION SYSTEM		LS															

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. UTTERICK, ASLA LA0001677
CERTIFICATE OF AUTHORIZATION NO. LC0000177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
1997 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-9557 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TABULATION OF QUANTITIES

SHEET NO. LD-3

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LANDSCAPE TABULATION OF QUANTITIES

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	UNIT	SHEET NUMBERS LD-16 PLAN	LD-16 FINAL	LD-17 PLAN	LD-17 FINAL	LD-18 PLAN	LD-18 FINAL	LD-19 PLAN	LD-19 FINAL	LD-20 PLAN	LD-20 FINAL	TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
570-1-2		PERFORMANCE TURF (ST. AUGUSTINE)		LS													1		
580-1-1		SMALL PLANTS		LS													1		
580-1-2		LARGE PLANTS		LS													1		
590-70		IRRIGATION SYSTEM		LS													1		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60Q-11.011, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON H. LITTRACK, ASLA LA0001417
CERTIFICATE OF AUTHORIZATION NO. LC0000177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
1907 Commerce Ln., Ste. 101, Jupiter, FL 33458 Tel: 575-9212 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TABULATION OF QUANTITIES

SHEET NO. LD-4

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GENERAL NOTES

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

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

3. UTILITY OWNERS:

COMPANIES	TELEPHONE NOS.
BROWARD COUNTY TRAFFIC ENGINEERING	(954) 847-2745
BROWARD COUNTY WATER & WASTEWATER ENG.	(954) 831-0910
BELLSOUTH-AT&T FL	(954) 723-2540
CITY OF HOLLYWOOD PUBLIC WORKS DEPT.	(954) 967-4455
CITY OF FT. LAUDERDALE	(954) 828-5290
PEOPLES GAS SYSTEMS, TECO	(954) 453-0805
MCI TELECOMMUNICATIONS	(561) 659-5182
LEVEL 3 COMMUNICATIONS	(720) 888-8274
FPL FIBERNET	(305) 552-3249
FLORIDA POWER & LIGHT	(954) 321-2056
FLORIDA GAS TRANSMISSION COMPANY	(407) 838-7171
FERNCREST UTILITIES	(954) 587-8833
COMCAST CABLE	(954) 444-5113
CITY OF PLANTATION UTILITIES DEPT.	(954) 797-2285
CITY OF HOLLYWOOD PUBLIC WORKS DEPT.	(954) 967-4455
BUCKEYE PIPE LINE	(610) 770-5215
TOWN OF DAVIE	(954) 433-4014
COMCAST CABLE	(954) 444-5113

4. MAINTAINING AUTHORITY:
   TOWN OF DAVIE
   DAN OFLER, ASST. PUBLIC WORKS MGR.
   6591 ORANGE DRIVE
   DAVIE , FLORIDA
   954-797-1840

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

4. ALL LANDSCAPE BEDS SHALL RECIEVE A UNIFORMLY APPLIED MULCH MATERIAL TO A MINIMUM THICKNESS OF 3" OVER THE ENTIRE PLANT BED, (EXCEPT WITHIN 6" OF PLANT TRUNKS). ALL NEWLY EXISTING TREES & PALMS NOT LOCATED WITHIN A LANDSCAPE BED SHALL RECIEVE A 6' MULCH RING. A CONTINUOUS WEANDERING MULCH BED SHALL BE PROVIDED AROUND ALL CABBAGE PALM GROUPINGS.

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

6. DESIGN SPEED: 50 MPH

PLANT SCHEDULE

SYM.	QTY.	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	PAY SIZE	MAX. MAINTAINED SIZE	SPACING	REMARKS
CIC	372	CHRYSOBALANUS ICACO 'HORIZONTAL'	HORIZONTAL COCOPLUM	#3, 12X12" O.A.	SMALL	48" MAX. HEIGHT	30" O.C.	FULL & THICK
FMI	332	FICUS MICROCARPA	GREEN ISLAND FICUS	#3, 12X12" O.A.	SMALL	48" MAX. HEIGHT	24" O.C.	FULL & THICK
HPA	98	HAMELIA PATENS 'COMPACTA'	DWARF FIREBUSH	#3, 24" O.A.	SMALL	48" MAX. HEIGHT	36" O.C.	FULL & THICK
MCA	70	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	#3, 18" O.A.	SMALL	48" MAX. HEIGHT	30" O.C.	FULL & THICK
SRE	130	SERENOA REPENS	SAW PALMETTO	#7, 18"X18" O.A.	SMALL	48" MAX. HEIGHT	48" O.C.	FULL & THICK FULL CLUSTER
TFL	409	TRIPSACUM FLORIDANA	FL. GAMMA GRASS	#3, 18" O.A.	SMALL	48" MAX. HEIGHT	30" O.C.	FULL & THICK
PE	47 *	PINUS ELLIOTTI DENSA	SO. FLA. SLASH PINE	8-14' O.A.	LARGE	N/A	A.S.	FULL & THICK, STAGGERED HEIGHTS *(12) - 8', (15) - 12', (13) - 14'
QV	5	QUERCUS VIRGINIANA	LIVE OAK	22'-24' O.A. 8' C.T.	LARGE	N/A	A.S.	FULL & THICK, 3" D.B.H.
SP	15**	SABAL PALMETTO	CABBAGE PALM	12'-20' C.T.	LARGE	N/A	A.S.	FULL & THICK, STAGGERED HEIGHTS, BOOTED **(5) - 12', (5) - 16', (5) - 22'

PAY ITEM NOTES:

- 570-1-2 PERFORMANCE TURF; SOD SHALL BE ST.AUGUSTINE.
- 580-1-1, 580-1-2, INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS FOR THE COMPLETE INSTALLATION OF PLANT IN ACCORDANCE WITH SPECIFICATIONS AND FDOT INDEX #544 INCLUDING, BUT NOT LIMITED TO, PLANT, FINISH SOIL LAYER, UNSUITABLE SOIL REMOVAL, SPECIAL BED PREPARATION, STAKING, MULCH, FERTILIZER, HAND WATERING, GUARANTEE AND MAINTENANCE DURING ESTABLISHMENT PERIOD. ALSO INCLUDES THE COST FOR TEMPORARY WATERING AND TREE PROTECTION (PER INDEX 5441) OF EXISTING TREES DURING CONSTRUCTION. INCLUDES COST FOR A 1" LAYER OF BACKFILL MIXTURE. TO BE APPLIED TO ALL NEW LANDSCAPE PLANTING AREAS.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60Q-1.009, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LYTENSKI - ASLA LA0001427
CERTIFICATE OF AUTHORIZATION NO. LC0001677

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
1907 Commerce Ln., Ste. 101, Jupiter, FL 33458 561 575-9117 www.landscape-architects.com

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE NOTES

SHEET NO. LD-5

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TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DIA (FT)	SPREAD (FT)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7												
1	TREE			0.4	5				372+03.46	48.56	15	
1A	PALM			1.0	10				372+08.50	49.74	20	
2	PALM			1.0	10				372+16.93	60.79	25	
3	PALM			1.0	10				372+24.63	51.03	25	
4	TREE			0.4	5				372+53.37	66.13	15	
5	TREE			0.4	5				372+58.87	58.90	15	
6	PALM			1.0	10				372+64.34	63.07	25	
7	PALM			1.0	10				372+75.90	53.50	25	
8	PALM			1.0	10				372+82.00	58.51	25	
9	TREE			0.4	5				372+89.11	55.78	15	
10	TREE			0.4	5				372+99.04	49.32	15	
11	PALM			1.0	10				373+22.78	53.69	25	
12	PALM			1.0	10				373+31.30	61.37	25	
13	PALM			1.0	10				373+35.89	53.70	25	
14	TREE			0.4	5				373+41.19	49.75	15	
15	PALM			1.0	10				373+46.54	57.01	25	
16	PALM			1.0	10				373+54.27	51.91	25	
17	PALM			1.0	10				373+60.95	57.28	25	
18	TREE			0.4	5				373+65.30	49.55	15	
19	TREE			0.4	5				373+71.81	54.36	15	
20	TREE			0.4	5				373+72.98	62.65	15	
21	TREE			1.4	20				374+42.46	96.90	20	
22	TREE			0.4	15				374+67.02	144.34	15	
23	TREE			1.0	15				374+96.70	104.89	15	
24	TREE			0.4	5				374+91.85	58.55	10	
25	TREE			0.4	5				375+18.97	61.78	10	
26	TREE			0.4	5				375+43.70	62.34	10	
27	PALM			1.0	5				375+35.20	125.01	15	
28	PALM			1.0	5				375+36.91	134.79	20	
29	PALM			1.0	10				375+71.25	130.75	17	
29A	PALM			1.0	5				375+66.45	139.62	15	
30	TREE			1.0	8				375+81.01	125.56	15	
31	PALM			1.0	5				375+87.96	136.34	20	
32	PALM			1.0	5				376+09.65	132.37	15	
33	PALM			1.0	5				376+14.88	123.82	25	
34	PALM			1.0	5				376+26.16	130.08	20	
35	PALM			1.0	5				376+31.97	124.02	22	
36	PALM			1.0	5				376+53.05	126.89	25	
37	TREE			0.4	5				377+03.38	69.66	15	
38	TREE			0.4	5				377+27.99	72.62	15	
39	TREE			0.4	5				377+54.75	72.66	15	
40	PALM			1.6	5				378+30.92	124.77	20	
41	PALM			1.0	5				378+50.14	122.70	20	
42	PALM			1.0	5				378+50.21	130.19	20	
43	PALM			1.0	5				378+64.84	122.64	20	
44	PALM			1.0	5				378+69.12	132.50	20	
45	PALM			1.0	5				378+80.70	127.27	25	
46	PALM			1.4	8				378+81.93	139.08	10	
47	PALM			1.0	5				378+89.36	132.25	25	
48	PALM			1.4	5				379+03.11	132.71	20	
49	PALM			1.0	10				379+35.79	128.68	25	
50	PALM			1.0	10				379+62.88	126.25	25	

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON H. LITTERICK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000179

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
1901 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-8512 www.landscape-architecture.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TREE STATUS CHART

SHEET NO. LD-6

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-18.001, F.A.C.

TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DIA (FT)	SPREAD (FT)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7												
50A	PALM			0.8	10				379+74.41	127.33	25	
51	PALM			1.0	10				379+66.20	118.38	20	
52	PALM			1.0	10				379+81.17	121.69	18	
53	PALM			1.0	10				381+23.14	125.89	20	
54	PALM			1.4	10				381+42.84	129.76	15	
55	PALM			1.0	10				381+45.79	144.25	20	
56	PALM			1.0	10				381+53.89	135.79	25	
57	PALM			1.0	10				381+57.53	147.92	20	
58	PALM			1.0	10				381+69.69	144.75	20	
59	PALM			1.0	10				381+72.49	155.21	20	
60	PALM			1.4	10				381+88.87	157.42	20	
61	PALM			1.0	10				381+90.38	168.35	22	
62	PALM			1.6	10				382+05.73	167.20	15	
63	PALM			1.0	10				382+09.68	178.30	25	
64	TREE			0.6	8				382+12.85	164.50	15	
65	PALM			1.6	10				382+16.25	169.21	25	
65A	PALM			1.0	15				382+31.55	178.93	20	
66	PALM			1.0	10				382+24.57	172.65	20	
66A	PALM			0.8	15				382+46.65	188.35	20	
67	PALM			1.0	10				382+26.41	143.15	25	
68	PALM			1.6	10				382+37.24	150.55	20	
69	TREE			0.6	13				382+37.14	139.10	15	
70	PALM			1.0	10				382+45.87	153.44	25	
71	TREE			0.4	12				382+44.87	144.25	15	
72	TREE			1.0	10				382+53.29	151.53	20	
73	TREE			0.4	5				382+56.87	171.04	15	
74	PALM			1.0	10				382+63.03	184.00	25	
75	PALM			1.4	10				382+63.44	186.59	25	
76	TREE			0.4	8				382+68.41	168.20	15	
77	PALM			1.4	10				382+73.45	174.53	20	
78	PALM			1.4	10				382+82.19	175.27	20	
79	TREE			0.4	10				382+75.67	162.95	15	
80	PALM			1.6	10				382+62.05	151.28	25	
81	TREE			1.2	10				382+71.24	149.90	25	
82	PALM			1.0	10				382+81.56	143.83	20	
83	PALM			1.2	10				383+05.04	153.26	25	
84	PALM			1.0	10				383+13.47	150.66	20	
85	PALM			1.0	8				383+20.76	145.10	15	
86	PALM			1.0	10				383+32.71	138.43	20	
86A	PALM			1.0	10				383+42.49	135.83	20	
87	PALM			0.3	4				384+24.77	132.66	9	
88	PALM			0.3	4				384+33.05	140.17	10	
89	PALM			0.3	4				384+36.80	147.07	7	
90	PALM			0.3	5				384+42.82	156.35	15	
91	PALM			0.3	7				384+47.26	166.62	15	
92	PALM			0.3	4				385+43.81	162.90	7	
93	PALM			0.3	5				385+49.41	155.56	8	
94	PALM			0.3	5				385+55.63	149.08	8	
95	PALM			0.3	5				385+59.73	142.58	8	
96	TREE			0.2	6				386+35.36	90.17	10	
97	TREE			0.4	9				386+43.58	93.61	15	
98	TREE			0.4	8				401+59.91	91.20	15	

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTRACK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC26000372

Gentile Holloway O'Mahoney & Associates, Inc.
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1897 Commerce Ln., Ste. 101, Jupiter, FL 33458 561.575.9317 www.landscapearchitects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TREE STATUS CHART

SHEET NO. LD-7

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

TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DIA (FT)	SPREAD (FT)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7												
99	TREE			0.4	5				401+71.12	93.71	15	
100	TREE			0.4	8				401+84.92	88.02	18	
101	PALM			1.0	10				436+35.25	124.39	15	
102	PALM			1.0	10				436+53.01	121.08	15	
103	PALM			1.0	10				436+72.65	117.56	15	
104	PALM			1.0	10				437+10.55	113.35	15	
105	PALM			1.0	10				437+45.18	106.95	15	
106	PALM			1.0	10				437+61.66	105.26	15	
107	PALM			1.0	10				437+75.55	102.68	15	
108	PALM			1.0	10				446+12.23	120.38	18	
109	PALM			1.0	10				446+12.78	126.98	25	
110	PALM			1.0	10				446+20.17	122.19	18	
111	TREE			0.4	10				448+33.33	76.49	15	
112	TREE			0.4	10				448+91.41	73.93	15	
113	TREE			0.4	10				449+21.79	74.42	15	
114	TREE			0.4	10				449+51.23	74.32	15	
115	TREE			0.4	10				449+80.96	74.37	15	
116	PALM			0.6	4				449+95.82	93.97	6	
117	TREE			0.4	10				450+09.78	74.41	15	
118	TREE			0.4	10				450+69.63	73.01	15	
119	TREE			0.4	10				450+99.78	73.74	15	
120	TREE			0.6	12				451+27.71	74.33	20	
121	TREE			0.2	5				451+57.83	73.57	15	
122	TREE			0.4	10				451+87.24	73.71	15	
123	QUEEN PALM	SYAGRUS ROMANZOFFIANA		N/A	N/A	Y			N/A	N/A	N/A	PREVIOUSLY REMOVED
124	N/A			N/A	N/A				N/A	N/A	N/A	
125	N/A			N/A	N/A				N/A	N/A	N/A	
126	N/A			N/A	N/A				N/A	N/A	N/A	
127	N/A			N/A	N/A				N/A	N/A	N/A	
128	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.5	8	Y			394+79.95	19.84	12	POOR SHAPE
129	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.5	8	Y			394+75.21	12.57	12	POOR SHAPE
130	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.5	8	Y			394+58.95	20.26	12	POOR SHAPE
131	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	12	Y			394+54.73	13.72	18	POOR SHAPE
131A	PALM			0.6	12				394+50.81	20.39	18	POOR SHAPE
132	SILVER BUTTONWOOD	CONOCARPUS ERECTUS		0.6	8		Y		393+43.98	16.32	10	
133	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.9	10	Y			412+25.54	12.91	15	VEGETATION MANAGEMENT AREA CONFLICT
134	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.9	15	Y			411+26.20	19.94	25	VEGETATION MANAGEMENT AREA CONFLICT
135	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	10	Y			411+14.60	18.89	25	VEGETATION MANAGEMENT AREA CONFLICT
136	LIVE OAK	QUERCUS VIRGINIANA	Y	0.4	15		Y		410+09.57	16.72	10	
137	LIVE OAK	QUERCUS VIRGINIANA	Y	0.4	15		Y		409+61.97	17.02	10	
138	LIVE OAK	QUERCUS VIRGINIANA	Y	0.4	8		Y		409+15.17	16.26	8	
139	LIVE OAK	QUERCUS VIRGINIANA	Y	0.4	10		Y		408+18.20	15.50.	15	
140	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.9	15	Y			407+57.94	18.88	25	POOR SHAPE
141	GREEN BUTTONWOOD	CONOCARPUS ERECTUS	Y	2.0	6	Y			400+42.43	14.80	12	PER REQUEST OF TOWN OF DAVIE - POOR SHAPE
142	GREEN BUTTONWOOD	CONOCARPUS ERECTUS	Y	1.0	18	Y			400+26.65	17.52	13	PER REQUEST OF TOWN OF DAVIE - POOR SHAPE
143	GREEN BUTTONWOOD	CONOCARPUS ERECTUS	Y	2.0	25	Y			399+83.66	16.93	20	PER REQUEST OF TOWN OF DAVIE - POOR SHAPE
144	GREEN BUTTONWOOD	CONOCARPUS ERECTUS	Y	1.5	18		Y.		399+29.55	17.30	15	
145	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15	Y			390+18.22	18.27	25	VEGETATION MANAGEMENT AREA CONFLICT
146	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15	Y			390+11.67	13.44	25	VEGETATION MANAGEMENT AREA CONFLICT
147	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15	Y			389+99.24	14.09	25	VEGETATION MANAGEMENT AREA CONFLICT
148	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15	Y			388+82.33	19.59	25	POOR SHAPE
149	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15	Y			388+70.31	19.61	25	POOR SHAPE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60Q-1.001, F.A.C.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON H. LYTERACE, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0001477

Gentile Holloway O'Mahoney & Associates, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TREE STATUS CHART

SHEET NO. LD-8

Rev 10

11/25/2008 1:59:45 PM M:\CA006-0000-06-0568 SR 7 Broward County\Landscape\DETL\LD01.dgn

TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DIA (FT)	SPREAD (FT)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7												
150	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15	Y			388+62.34	19.87	25	POOR SHAPE
151	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	15		Y		388+51.20	19.94	25	
152	SILVER BUTTONWOOD	CONOCARPUS ERECTUS		0.9	12		Y		381+94.55	12.89	11	
153	SILVER BUTTONWOOD	CONOCARPUS ERECTUS		0.9	12		Y		381+75.29	13.75	11	
154	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.2	15	Y			381+41.43	13.32	24	VEGETATION MANAGEMENT AREA CONFLICT
155	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.1	10	Y			381+33.22	18.74	24	VEGETATION MANAGEMENT AREA CONFLICT
156	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.0	10	Y			380+81.57	18.37	20	VEGETATION MANAGEMENT AREA CONFLICT
157	QUEEN PALM	SYAGRUS ROMANZOFFIANA		1.2	15	Y			380+54.69	12.05	18	VEGETATION MANAGEMENT AREA CONFLICT
158	LIVE OAK	QUERCUS VIRGINIANA	Y	0.6	9	Y			380+23.20	15.37	14	VEGETATION MANAGEMENT AREA CONFLICT
159	LIVE OAK	QUERCUS VIRGINIANA	Y	1.2	25		Y		379+88.80	15.68	20	
160	LIVE OAK	QUERCUS VIRGINIANA	Y	0.9	15		Y		379+19.66	15.83	15	
161	LIVE OAK	QUERCUS VIRGINIANA	Y	0.8	12	Y			378+82.42	14.78	13	DAMAGED TRUNK, WITHIN SIGHTLINE
162	SABAL PALMETTO	CABBAGE PALM	Y	1.0	12		Y		377+21.14	-4.51	26	
163	SABAL PALMETTO	CABBAGE PALM	Y	1.6	12		Y		377+11.34	-4.50	29	
164	SABAL PALMETTO	CABBAGE PALM	Y	1.5	13		Y		377+02.24	-5.59	26	
165	BRAZILIAN BEAUTYLEAF	CALOPHYLLUM BRASILIENSE		0.4	8	Y			376+45.83	-9.46	11	VEGETATION MANAGEMENT AREA CONFLICT
166	BRAZILIAN BEAUTYLEAF	CALOPHYLLUM BRASILIENSE		0.6	5	Y			376+13.53	-9.90	7	VEGETATION MANAGEMENT AREA CONFLICT
167	BRAZILIAN BEAUTYLEAF	CALOPHYLLUM BRASILIENSE		0.4	6	Y			375+83.80	-11.95	9	VEGETATION MANAGEMENT AREA CONFLICT
168	ORCHID TREE	BAUHINIA PURPUREA		0.3	4	Y			374+52.03	-18.01	5	VEGETATION MANAGEMENT AREA CONFLICT
169	ORCHID TREE	BAUHINIA PURPUREA		0.2	5	Y			374+45.02	-8.36	5	VEGETATION MANAGEMENT AREA CONFLICT
170	ORCHID TREE	BAUHINIA PURPUREA		N/A	N/A	Y			374+37.98	-19.01	N/A	VEGETATION MANAGEMENT AREA CONFLICT
171	BRAZILIAL BEAUTYLEAF	CALOPHYLLUM BRASILIENSE		0.4	5	Y			373+14.60	-13.16	10	VEGETATION MANAGEMENT AREA CONFLICT
172	SABAL PALMETTO	CABBAGE PALM	Y	1.0	15	Y			372+72.94	-19.10	28	SIGHTLINE CONFLICT
173	SABAL PALMETTO	CABBAGE PALM	Y	1.0	15	Y			372+52.48	-18.48	27	SIGHTLINE CONFLICT
174	SABAL PALMETTO	CABBAGE PALM	Y	1.0	15	Y			372+31.97	-17.84	25	SIGHTLINE CONFLICT
175	PALM			2.0	18				372+64.85	-88.22	30	
176	PALM			2.0	18				372+92.99	-88.55	30	
177	PALM			2.0	18				373+17.55	-88.48	30	
178	PALM			2.1	20				373+40.22	-88.51	33	
179	PALM			2.0	17				373+63.53	-88.63	33	
180	PALM			2.0	17				373+94.28	-88.62	33	
181	PALM			2.0	20				374+43.89	-88.49	33	
182	PALM			2.0	20				374+97.08	-88.77	33	
183	PALM			2.2	7				375+66.82	-92.58	20	
184	PALM			2.3	9				376+37.48	-75.22	21	
185	PALM			2.0	20				376+73.01	-73.29	32	
186	PALM			2.0	20				377+04.59	-72.50	32	
187	PALM			2.0	20				377+32.82	-72.44	32	
188	PALM			2.0	20				377+64.14	-72.38	32	
189	PALM			2.0	20				377+95.58	-72.91	32	
190	PALM			2.0	20				378+18.68	-73.38	32	
191	TREE			0.7	8				379+16.83	-66.58	14	
192	TREE			0.8	12				379+29.20	-74.43	18	
193	PALM			2.5	12				379+38.38	-59.00	31	
194	PALM			1.8	25				379+75.44	-71.37	32	
195	TREE			0.6	9				379+93.87	-66.58	15	
196	PALM			1.8	25				380+19.40	-64.71	32	
196A	PALM			0.4	5				381+29.08	-65.26	8	
197	PALM			1.9	22				380+74.00	-64.23	33	
198	PALM			1.9	22				381+03.27	-65.23	33	
198A	PALM			0.4	5				381+69.89	-77.49	8	
199	PALM			1.9	22				381+33.28	-80.36	33	

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

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JOSEPH M. UTTERICK, ASLA LA0001677
CERTIFICATE OF AUTHORIZATION NO. LC26000177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
1901 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-9107 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TREE STATUS CHART

SHEET NO. LD-9

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TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DIA (FT)	SPREAD (FT)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7												
199A	PALM CLUSTER			0.4	5				380+53.73	-53.65	8	
200	PALM			1.8	23				381+70.49	-79.37	32	
200A	PALM CLUSTER			0.4	5				381+83.19	-64.89	10	
201	PALM			1.8	23				381+89.24	-70.14	32	
202	PALM			1.8	23				382+01.76	-63.99	32	
203	PALM			1.8	23				382+16.33	-68.22	32	
204	PALM			1.8	23				382+53.36	-67.27	32	
205	PALM			1.8	23				382+66.83	-66.06	32	
206	PALM			1.8	23				382+77.26	-71.46	32	
207	PALM			1.6	18				382+98.60	-64.25	28	
207A	PALM CLUSTER			0.4	5				383+20.13	-61.79	13	
208	PALM			1.6	18				383+50.24	-69.89	28	
209	PALM			1.6	18				383+75.85	-69.99	28	
209A	PALM CLUSTER			0.4	5				383+95.83	-72.57	12	
210	PALM			0.7	12				384+37.96	-67.81	15	
211	PALM			0.7	12				384+46.84	-73.95	15	
212	PALM			0.7	12				384+44.66	-85.95	15	
212A	PALM CLUSTER			0.4	5				384+76.57	-53.78	10	
213	PALM			0.8	10				384+87.53	-57.26	17	
213A	PALM CLUSTER			0.4	5				385+00.64	-60.40	8	
214	PALM			0.8	10				384+95.93	-75.53	17	
215	PALM			0.9	12				386+08.69	-64.37	16	
216	PALM			0.9	12				386+15.29	-56.98	16	
216A	PALM			0.8	10				386+26.10	-64.21	20	
217	PALM			0.8	10				386+89.10	-64.07	17	
217A	PALM			0.8	10				386+51.10	-62.27	20	
218	PALM			0.8	10				386+96.65	-57.68	17	
218A	PALM			0.4	5				386+58.10	-57.32	8	
219	PALM			1.0	12				387+69.65	-63.66	15	
219A	PALM			0.6	5				387+38.65	-64.33	8	
220	PALM			1.0	12				387+78.17	-59.17	15	
220A	PALM			0.6	5				387+44.65	-59.38	12	
221	PALM			1.0	12				387+85.53	-64.18	15	
221A	PALM			0.4	8				388+06.04	-59.27	15	
222	PALM			1.7	18				388+54.14	-76.01	28	
222A	PALM		0.4		8				388+08.09	-54.26	15	
223	PALM		1.8		22				388+81.31	-72.80	30	
223A	PALM		0.4		8				388+20.06	-57.15	15	
224A	PALM		0.4		5				388+35.87	-75.02	10	
225A	LIVE OAK	QUERCUS VIRGINIANA	1.0		15	Y			395+55.57	17.39	15	DAMAGED TRUNK, LEANING
226A	LIVE OAK	QUERCUS VIRGINIANA	0.8		10	Y			395+64.44	15.03	15	PREVIOUSLY REMOVED
227A	LIVE OAK	QUERCUS VIRGINIANA	0.8		10	Y			395+72.33	17.13	18	VEHICULAR DAMAGE TO TRUNK
228A	LIVE OAK	QUERCUS VIRGINIANA	0.8		10		Y		396+06.75	16.47	15	
229A	LIVE OAK	QUERCUS VIRGINIANA	0.4		4		Y		396+25.71	17.71	8	
230A	SILVER BUTTONWOOD	CONOCARPUS ERECTUS	0.4		4	Y			396+42.37	15.40	8	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
231A	SILVER BUTTONWOOD	CONOCARPUS ERECTUS	0.4		4	Y			396+46.38	21.57	8	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
232A	SILVER BUTTONWOOD	CONOCARPUS ERECTUS	0.4		4	Y			396+51.40	19.86	8	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
233A	QUEEN PALM	SYAGRUS ROMANZOFFIANA	0.8		10	Y			396+61.36	11.73	20	POOR SHAPE
234A	QUEEN PALM	SYAGRUS ROMANZOFFIANA	0.5		10	Y			396+75.04	18.61	15	POOR SHAPE
235A	QUEEN PALM	SYAGRUS ROMANZOFFIANA	0.5		10	Y			396+76.17	13.43	10	POOR SHAPE
236A	QUEEN PALM	SYAGRUS ROMANZOFFIANA	0.6		10	Y			396+78.64	19.84	20	POOR SHAPE
237A	QUEEN PALM	SYAGRUS ROMANZOFFIANA	0.4		5	Y			396+88.15	15.68	10	POOR SHAPE

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON H. LITTRENCE, ASLA LA0001427
CERTIFICATE OF AUTHORIZATION NO. L0000177

Gentile Holloway O'Mahoney & Associates, Inc.
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1901 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-9127 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TREE STATUS CHART

SHEET NO. LD-10

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TREE NO.	COMMON NAME	BOTANICAL NAME	NATIVE	DIA (FT)	SPREAD (FT)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	HEIGHT (FT)	NOTES
STATIONS AND OFFSETS TAKEN FROM BASELINE OF SURVEY SR 7												
238A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.4	5	Y			396+88.37	13.31	10	POOR SHAPE
239A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.8	10	Y			396+91.97	18.82	15	POOR SHAPE
240A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.6	15		Y		397+13.88	18.35	18	
241A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.6	15		Y		397+31.20	17.07	18	
242A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.6	15		Y		397+50.44	18.12	18	
243A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.6	15		Y		397+67.93	16.90	18	
244A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.6	15		Y		397+85.55	17.38	18	
245A	SILVER BUTTONWOOD	CONOCARPUS ERECTUS	Y	0.6	5	Y			398+08.91	15.90	8	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
246A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.8	15	Y			399+33.52	18.04	20	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
247A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.8	15	Y			399+53.57	16.83	20	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
248A	LIVE OAK	QUERCUS VIRGINIANA	Y	0.8	15	Y			399+70.98	16.93	20	POOR SHAPE. REMOVE PER RQUEST OF TOWN OF DAVIE
249A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	5	Y			399+94.56	20.73	10	POOR SHAPE
250A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	5	Y			399+98.01	12.81	8	POOR SHAPE
251A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	5	Y			400+00.93	20.60	10	POOR SHAPE
251B	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	5	Y			400+08.16	20.40	10	POOR SHAPE
252A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	5	Y			400+10.77	12.66	8	POOR SHAPE
253A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.4	10	Y			400+16.01	19.91	10	POOR SHAPE
254A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.4	10	Y			400+16.40	12.86	15	POOR SHAPE
255A	QUEEN PALM	SYAGRUS ROMANZOFFIANA		0.6	10	Y			400+21.80	12.19	8	POOR SHAPE
256A	SABAL PALMETTO	CABBAGE PALM	Y	2.5	15		Y		405+52.17	11.70	15	

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, AILA LA0001677
CERTIFICATE OF AUTHORIZATION NO. LC0001177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants

1907 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-9557 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

TREE STATUS CHART

SHEET NO. LD-11

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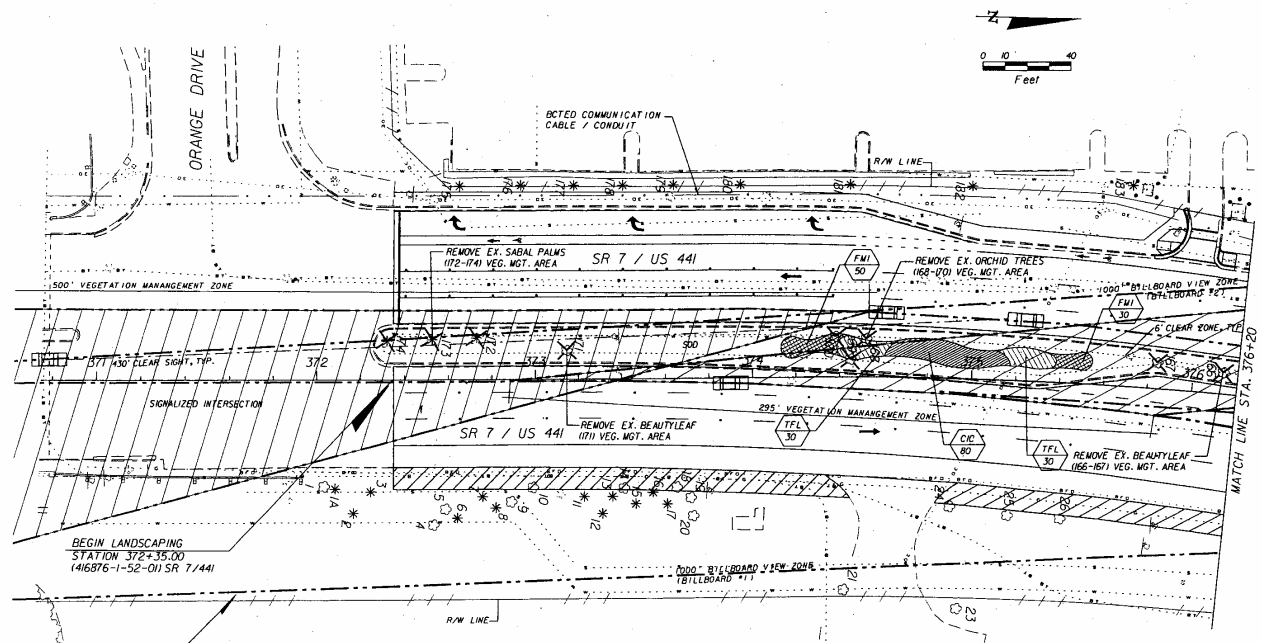

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE	PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK	PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM	PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM	PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS	PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH	PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO	PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS	PROPOSED GROUNDCOVER
			PROPOSED PLANT, QTY.

DENOTES TREES THAT ARE TO BE REMOVED

APPROVED BY:
GREG HIBBS - CLEARCHANNEL

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LYTERSKI, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-12

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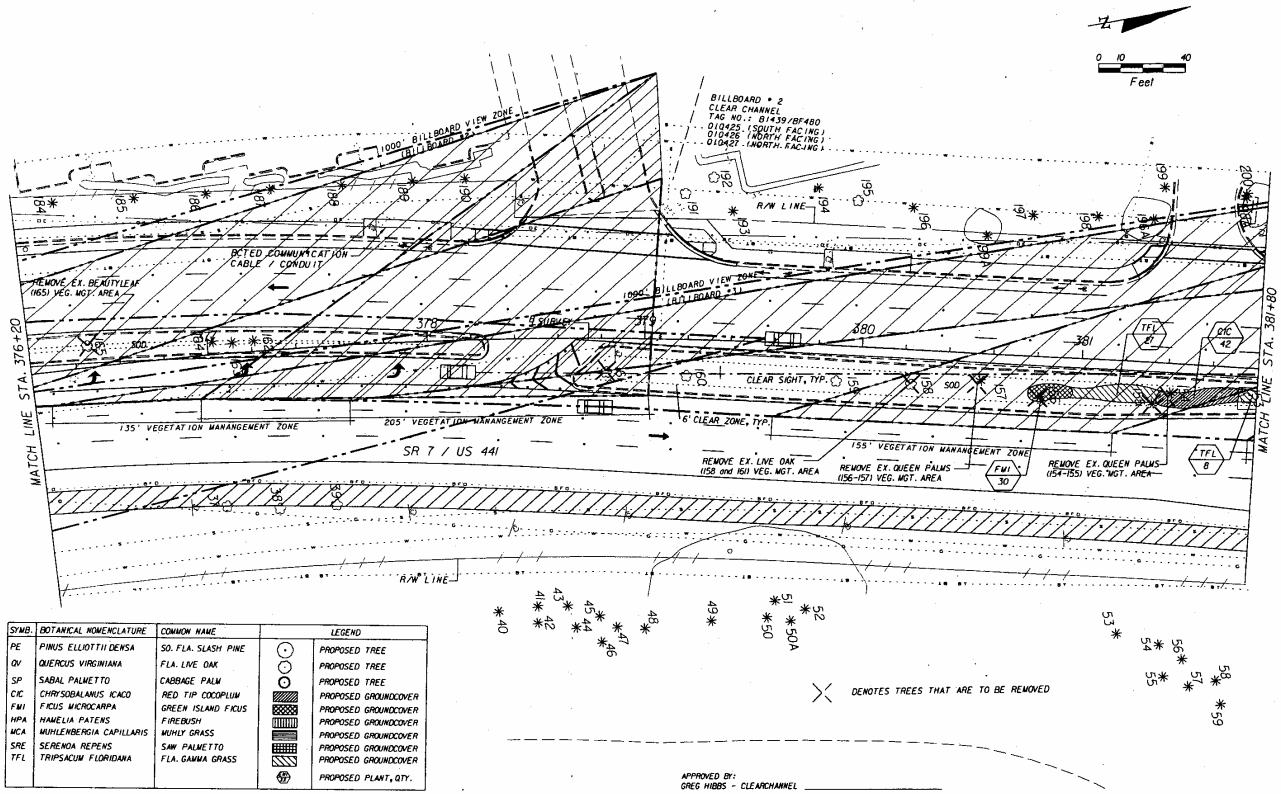

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE	PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK	PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM	PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM	PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS	PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH	PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO	PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS	PROPOSED GROUNDCOVER
			PROPOSED PLANT, QTY.

APPROVED BY:
GREG HIBBS - CLEARCHANNEL _____

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LEVENDE, ASLA LA0001471
CERTIFICATE OF AUTHORIZATION NO. LC0001-77

Gentile Holloway O'Mahoney & Associates, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-13

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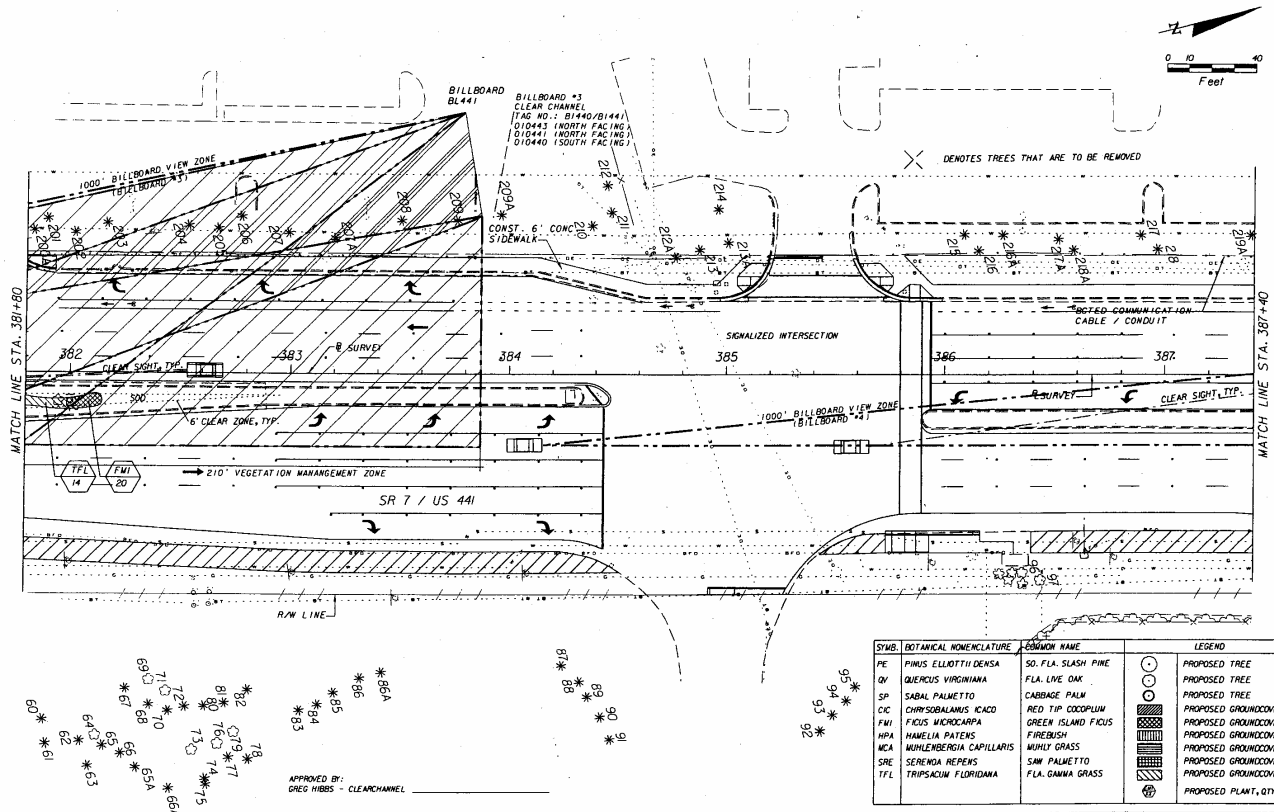

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE	PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK	PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM	PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM	PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS	PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH	PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO	PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS	PROPOSED GROUNDCOVER
			PROPOSED PLANT, QTY.

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD, JASON M. LITTENICK, AB.A. 1A8B1477
CERTIFICATE OF AUTHORIZATION NO. LC0001177

Gentile Holloway O'Mahoney & Associates, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-14

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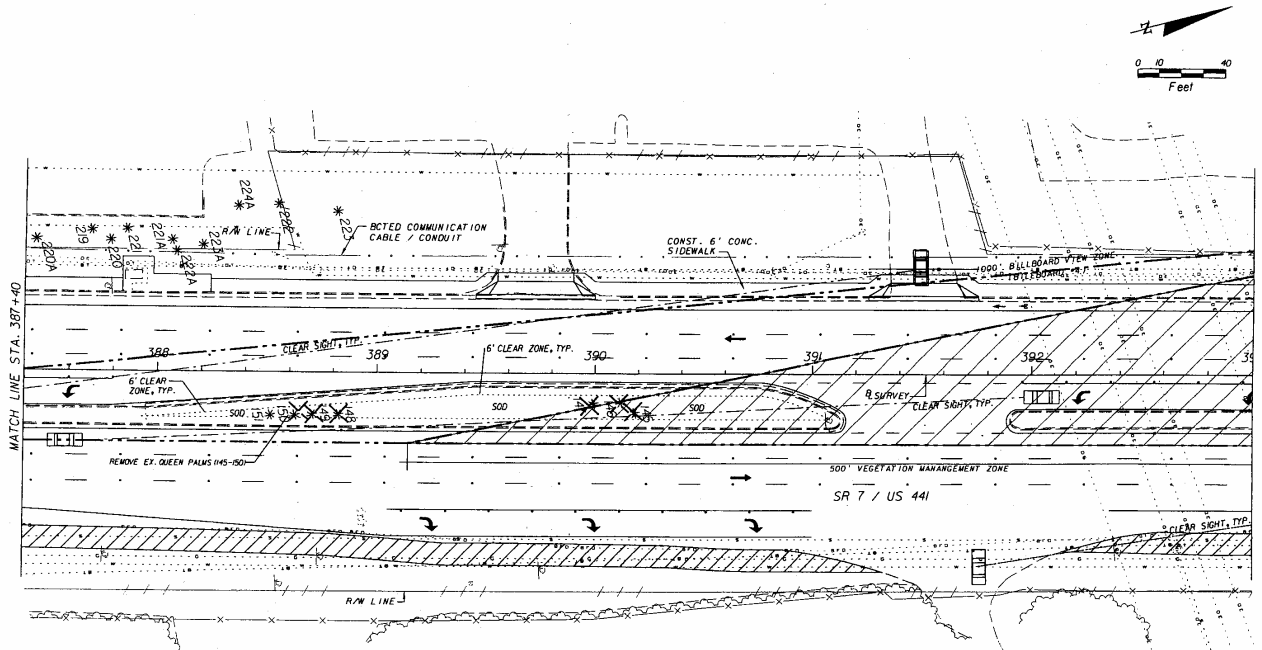

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND	
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE		PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK		PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM		PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM		PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS		PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH		PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS		PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO		PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS		PROPOSED GROUNDCOVER
				PROPOSED PLANT, QTY.

DENOTES TREES THAT ARE TO BE REMOVED

APPROVED BY:
GREG HIBBS - CLEARCHANNEL _____

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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTRICK, ASLA LA0001677
CERTIFICATE OF AUTHORIZATION NO. LC0001677

Gentile Holloway O'Mahoney & Associates, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-15

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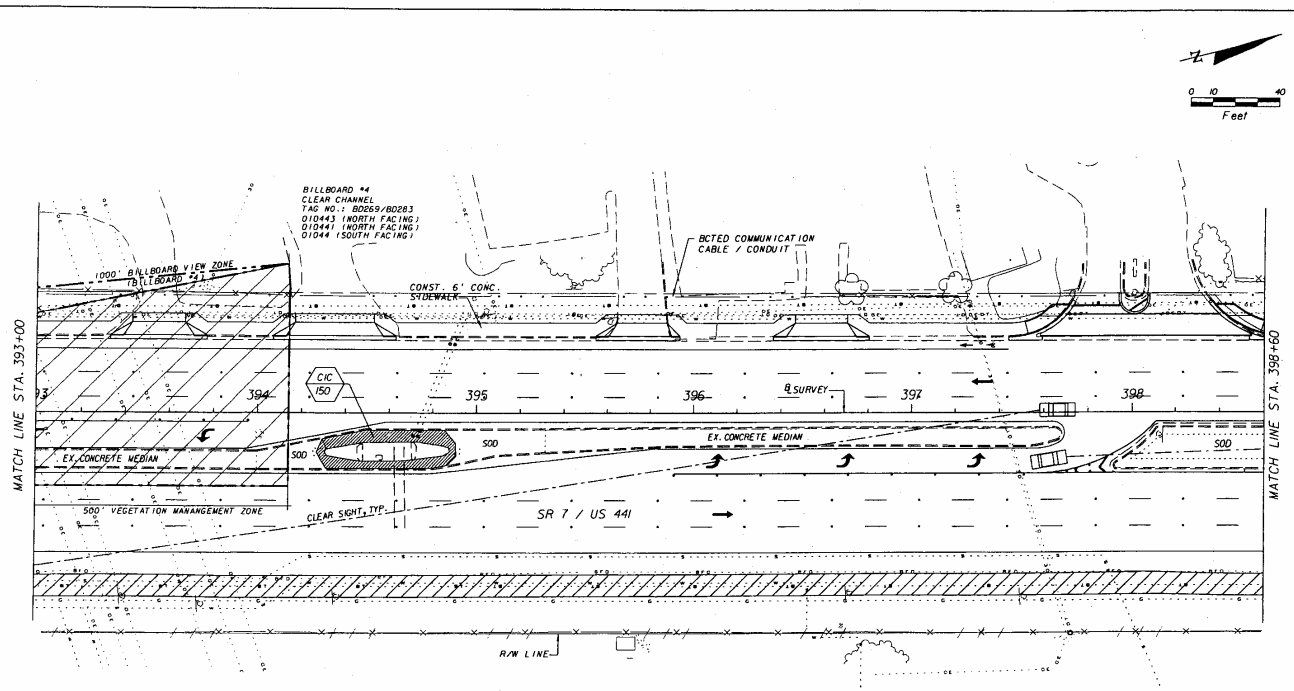

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GREG HIBBS - CLEARCHANNEL _____

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD, LISON M. LITTENICK, ASLA LAWRENCE
CERTIFICATE OF AUTHORIZATION NO. LC0000777

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO.
LD-16

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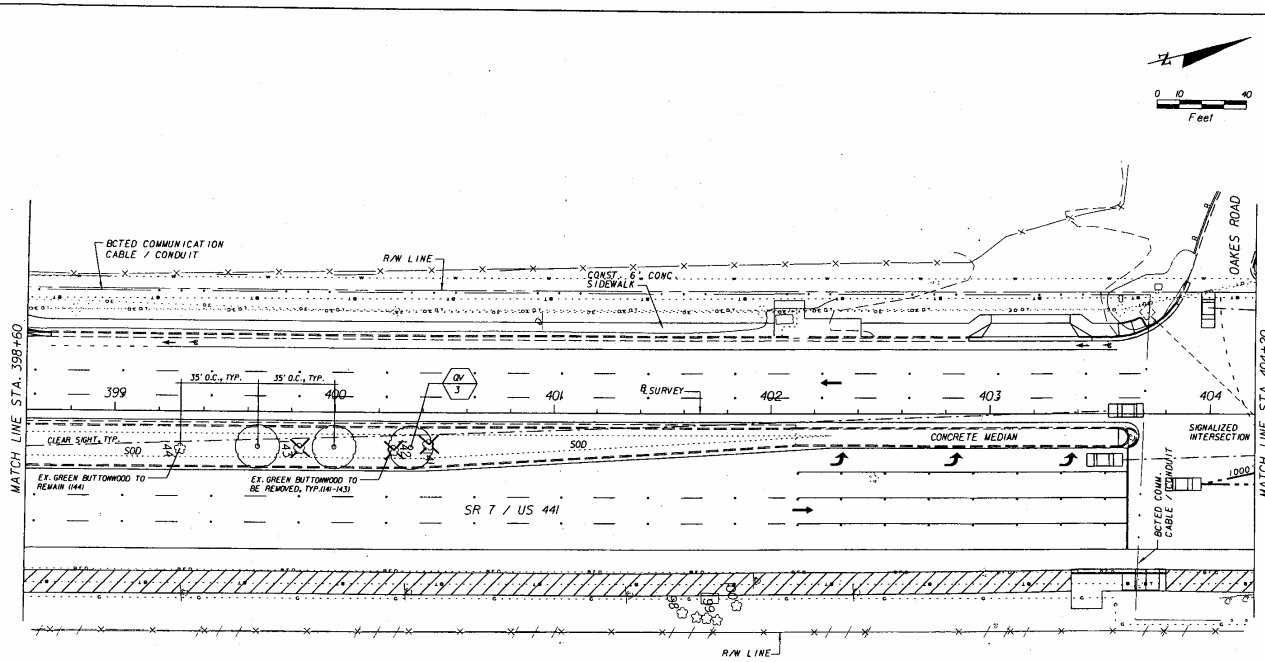

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE	PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK	PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM	PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM	PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS	PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH	PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO	PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS	PROPOSED GROUNDCOVER
			PROPOSED PLANT, QTY.

APPROVED BY:
GREG HIBBS - CLEARCHANNEL _____

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. CYTERICK, A.S.L.A. LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177

Gentile Holloway O'Mahoney & Associates, Inc.
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-17

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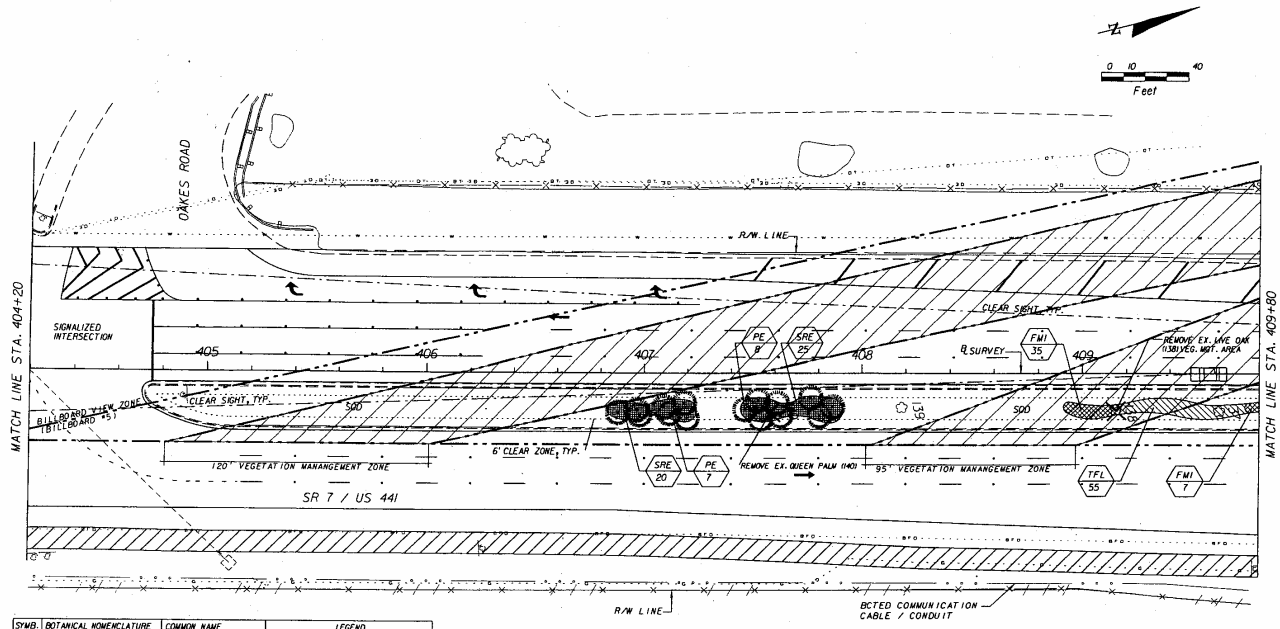

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND	
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE		PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK		PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM		PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM		PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS		PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH		PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS		PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO		PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS		PROPOSED GROUNDCOVER
				PROPOSED PLANT, QTY.

DENOTES TREES THAT ARE TO BE REMOVED

APPROVED BY:
GREG HIBBS - CLEARCHANNEL _____

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000477

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants

1987 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-9557 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-18

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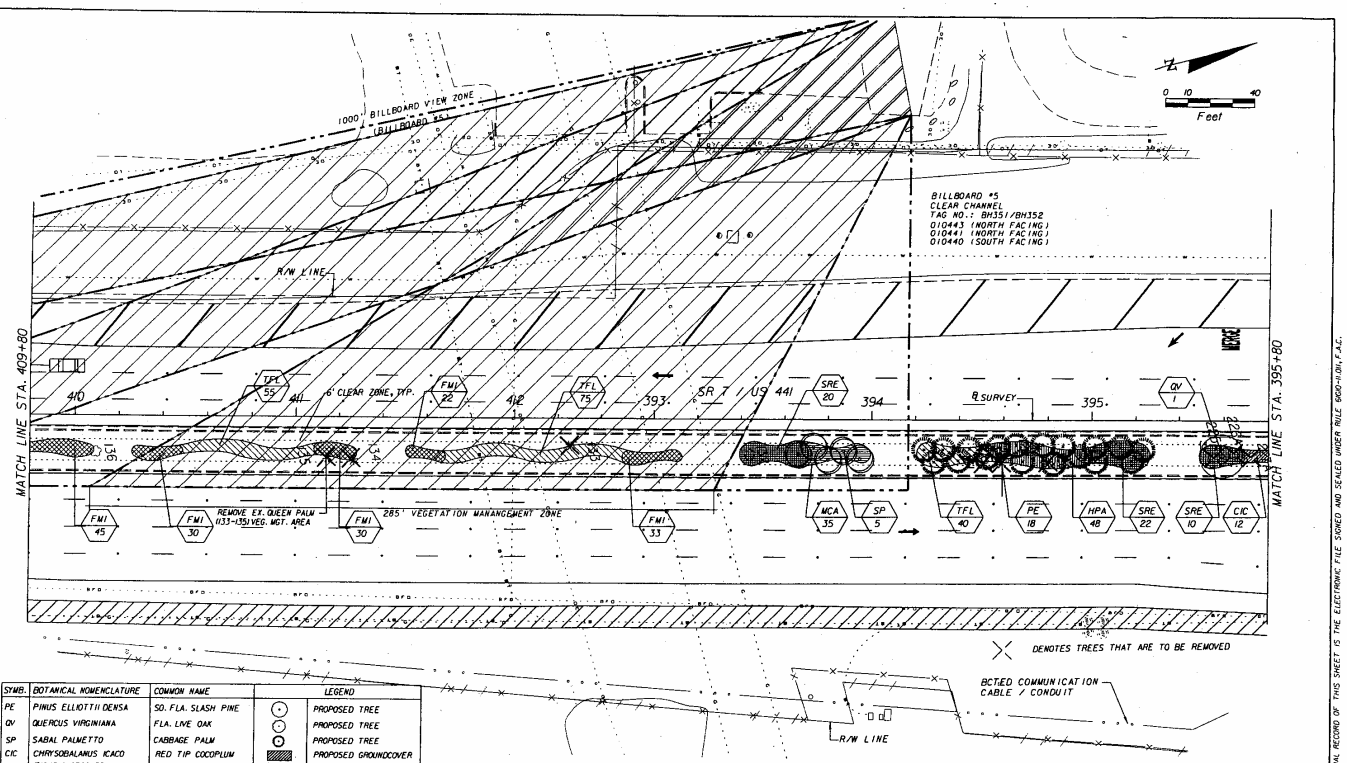

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE	PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK	PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM	PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM	PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS	PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH	PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO	PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS	PROPOSED GROUNDCOVER
			PROPOSED PLANT, QTY.

APPROVED BY:
GREG HIBBS - CLEARCHANNEL _____

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LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, ASLA LA0001677
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO.
LD-19

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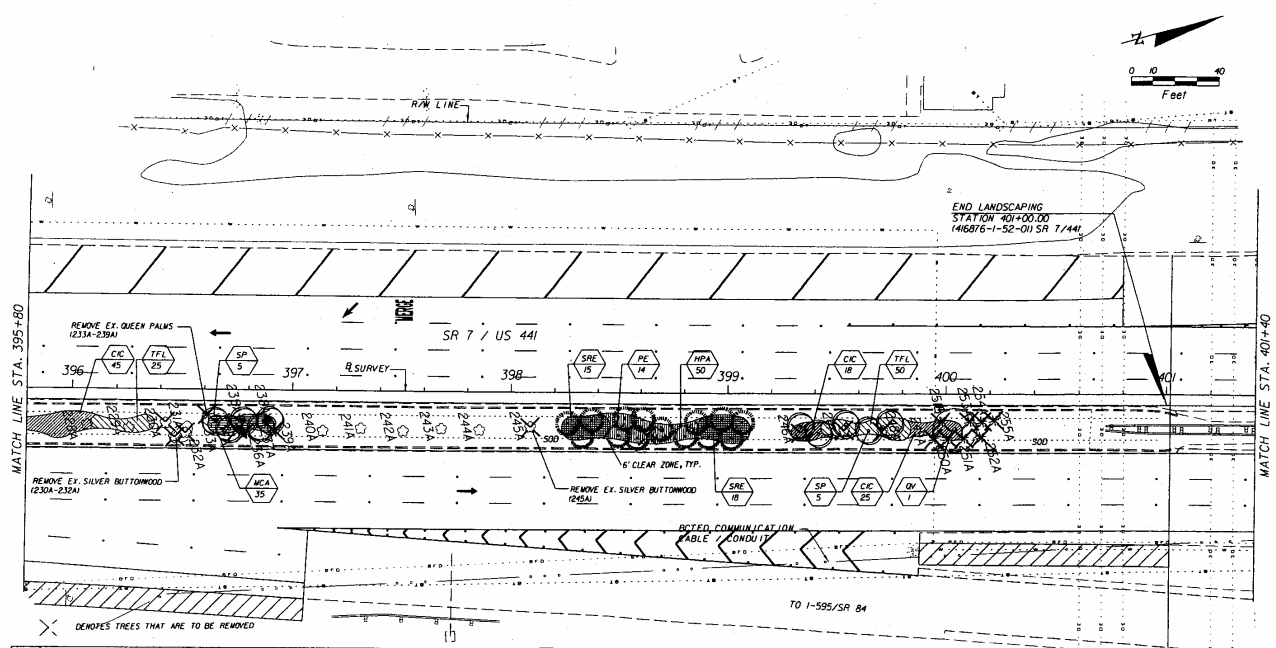

SYMB.	BOTANICAL NOMENCLATURE	COMMON NAME	LEGEND
PE	PINUS ELLIOTTII DENSA	SO. FLA. SLASH PINE	PROPOSED TREE
QV	QUERCUS VIRGINIANA	FLA. LIVE OAK	PROPOSED TREE
SP	SABAL PALMETTO	CABBAGE PALM	PROPOSED TREE
CIC	CHRYSOBALANUS ICACO	RED TIP COCOPLUM	PROPOSED GROUNDCOVER
FMI	FICUS MICROCARPA	GREEN ISLAND FICUS	PROPOSED GROUNDCOVER
HPA	HAMELIA PATENS	FIREBUSH	PROPOSED GROUNDCOVER
MCA	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	PROPOSED GROUNDCOVER
SRE	SERENOA REPENS	SAW PALMETTO	PROPOSED GROUNDCOVER
TFL	TRIPSACUM FLORIDANA	FLA. GAMMA GRASS	PROPOSED GROUNDCOVER
			PROPOSED PLANT, QTY.

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LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, AILA 1439161
CERTIFICATE OF AUTHORIZATION NO. LC0001477

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-20

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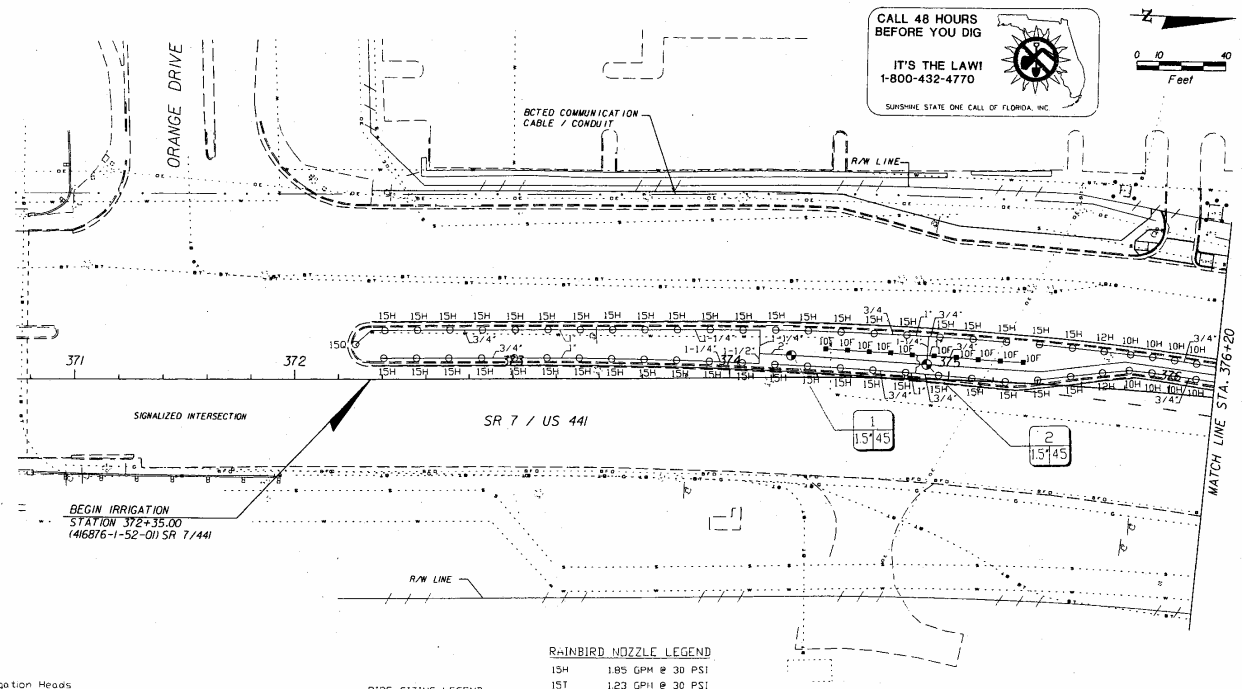

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊖⊖	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

PIPE SIZING LEGEND

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

RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

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LANDSCAPE ARCHITECT OF RECORD: JASON M. EPTERICK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0001177

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO. LD-21

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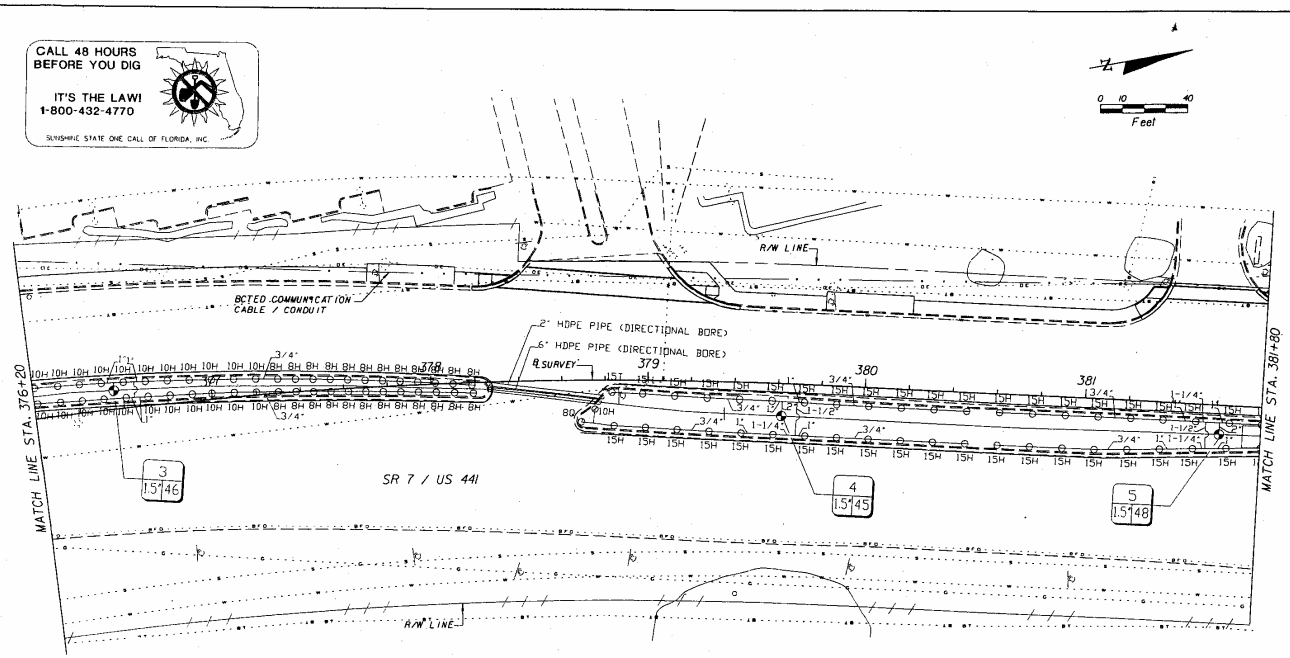

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊙⊙	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-BS Shrub Adapter on PVC Riser

PIPE SIZING LEGEND

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

RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JOSEPH M. UTTERACK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO. LD-22

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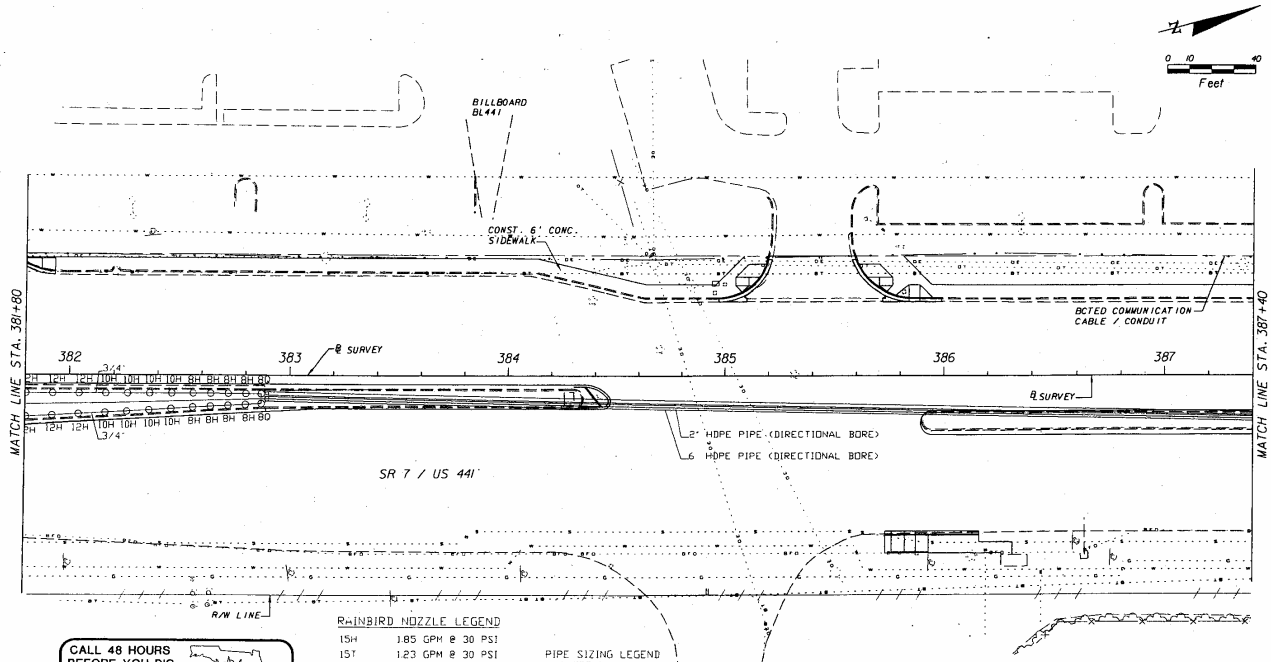

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RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

PIPE SIZING LEGEND

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

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊖⊖	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

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LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTENICK, ASLA 1400014171
CERTIFICATE OF AUTHORIZATION NO. LC0000171

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-23

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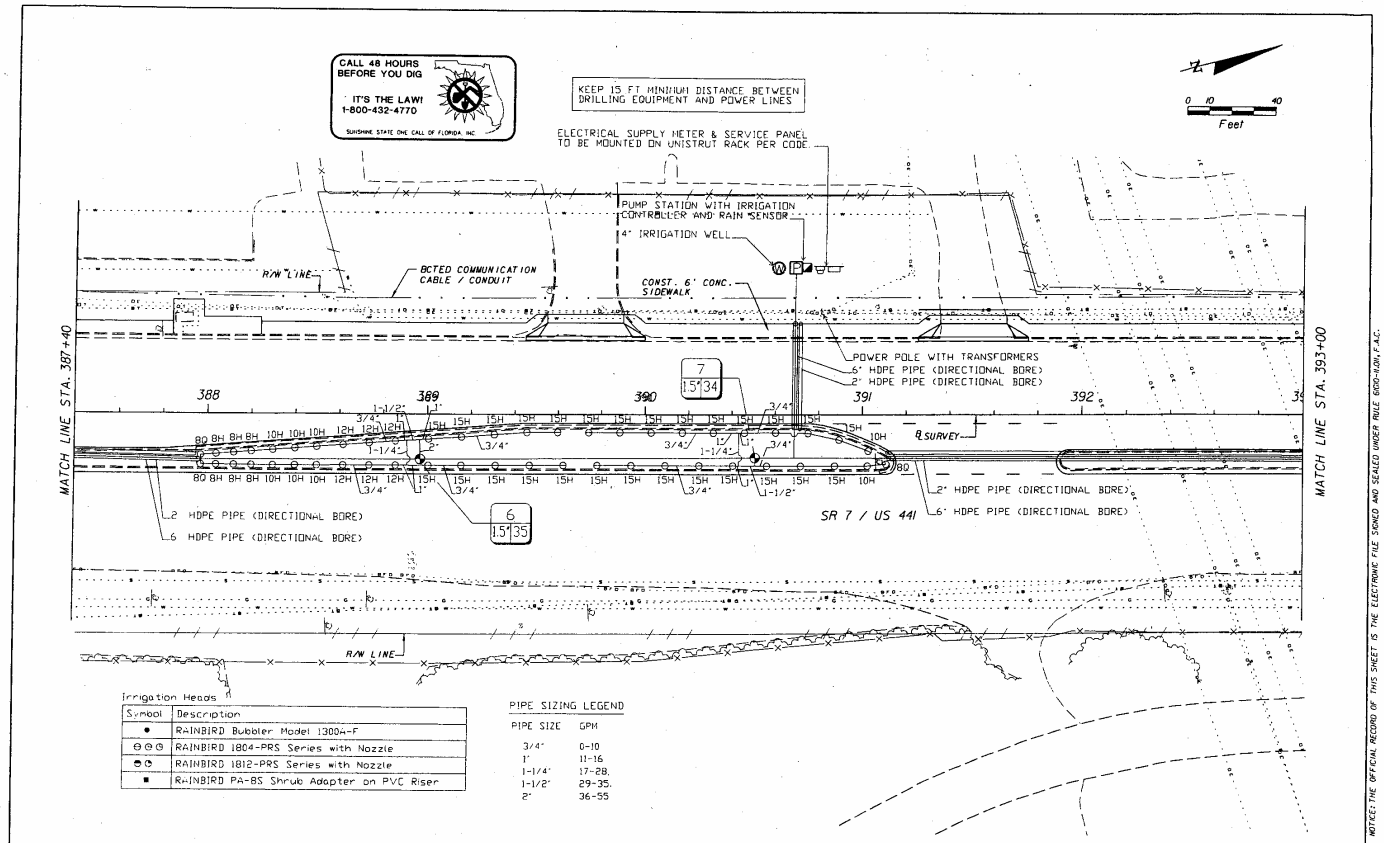

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊖⊖	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-BS Shrub Adapter on PVC Riser

PIPE SIZING LEGEND

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

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LANDSCAPE ARCHITECT OF RECORD: JASON M. ETTERNICK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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Landscape Architects, Planners, and Environmental Consultants
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

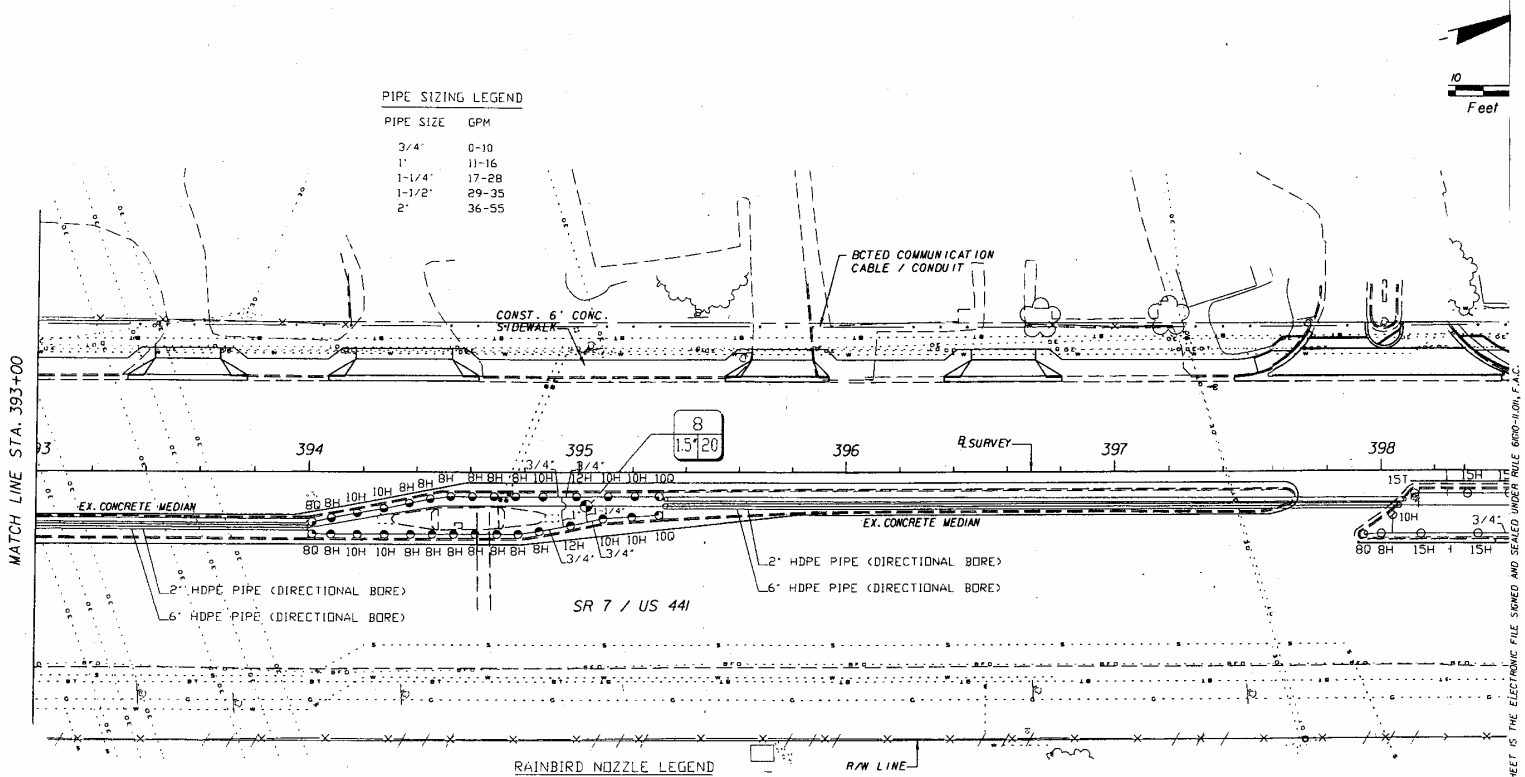
IRRIGATION PLAN

SHEET NO. LD-24

Kevin 11/25/2008 2:20:34 PM W:\CADD6-0000\06-0508 SR 7 Broward County\Landscp\PLAN\LD3.dgn

PIPE SIZING LEGEND

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



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RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-I
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
◓◔	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LETTERICK, ASLA LA0001627
CERTIFICATE OF AUTHORIZATION NO. LC0000172

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

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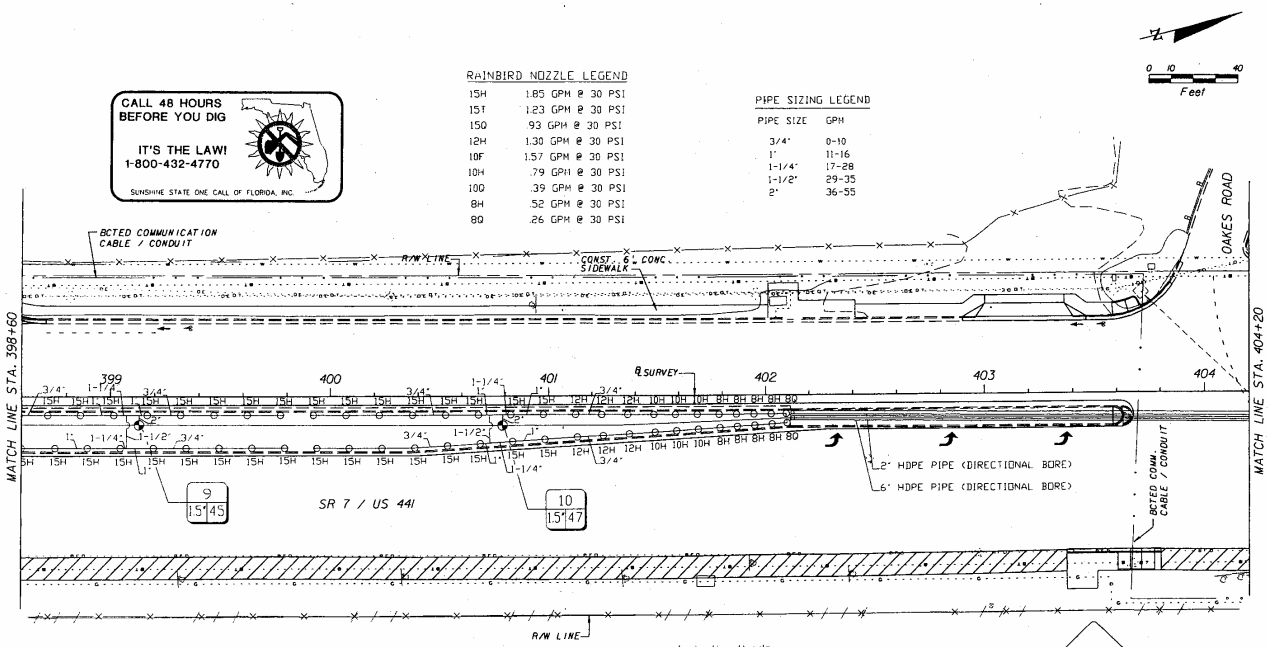
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

PIPE SIZING LEGEND

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



Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊖⊖	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, AILA LARDINOTT
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-26

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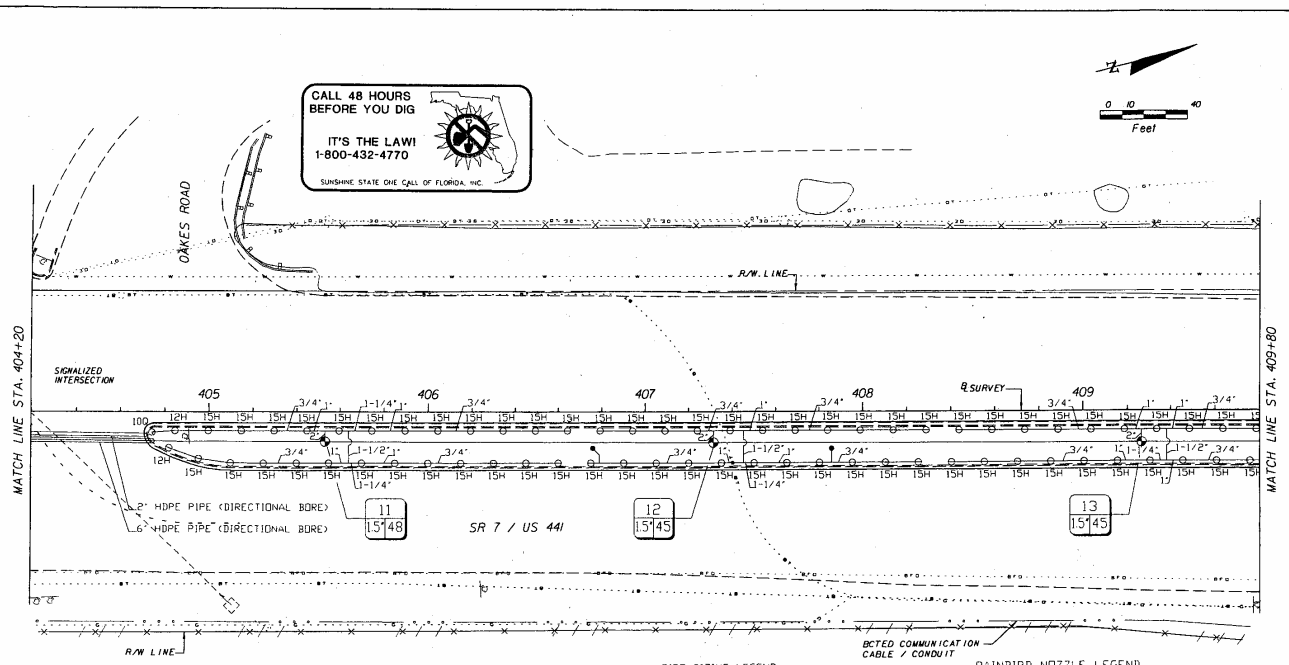

Irrigation Heads

Symbol	Description
■	RAINBIRD Bubbler Model 1300-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
◓◓	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

PIPE SIZING LEGEND

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

RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

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LANDSCAPE ARCHITECT OF RECORD: JASON M. LITTERICK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO. LD-27

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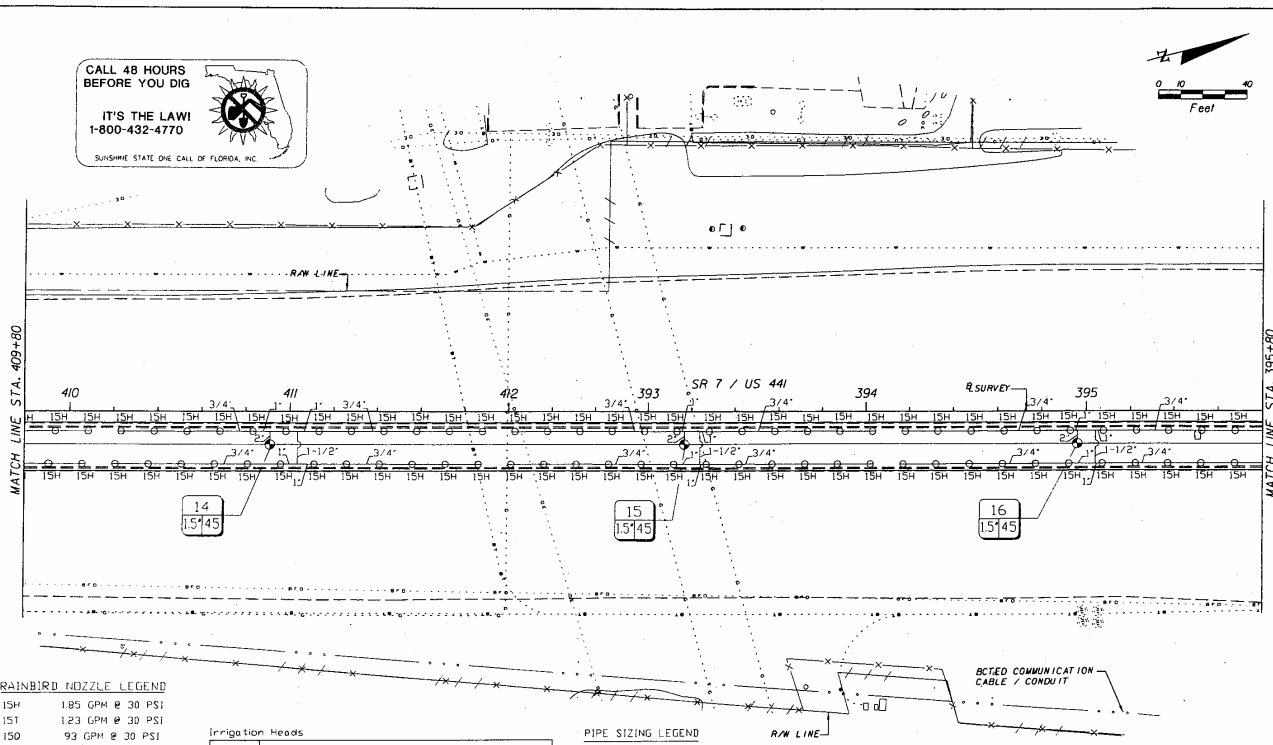

RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊖⊖	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

PIPE SIZING LEGEND

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

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LANDSCAPE ARCHITECT OF RECORD: JASON H. LITTRICK, ASLA LA0001417
CERTIFICATE OF AUTHORIZATION NO. LC0000177

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DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO. LD-28

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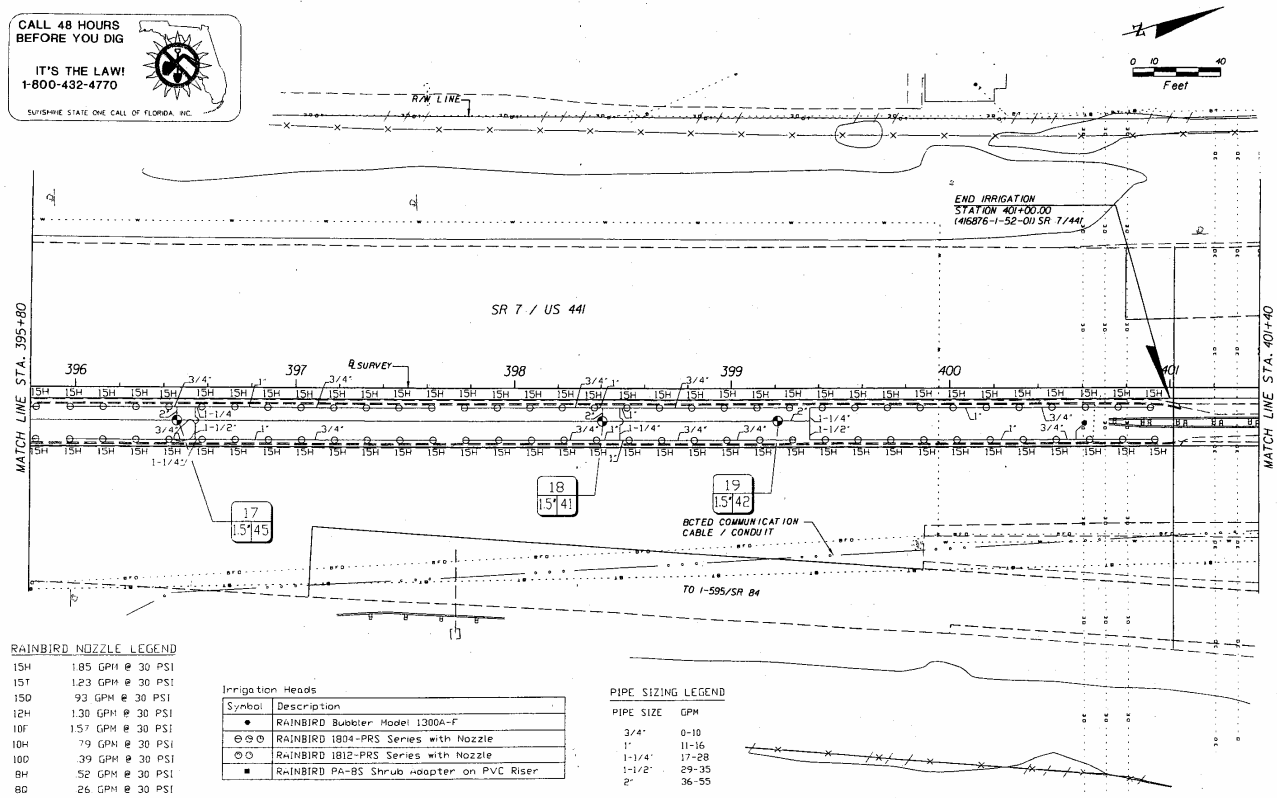

RAINBIRD NOZZLE LEGEND

15H	1.85 GPM @ 30 PSI
15T	1.23 GPM @ 30 PSI
15Q	.93 GPM @ 30 PSI
12H	1.30 GPM @ 30 PSI
10F	1.57 GPM @ 30 PSI
10H	.79 GPM @ 30 PSI
10Q	.39 GPM @ 30 PSI
8H	.52 GPM @ 30 PSI
8Q	.26 GPM @ 30 PSI

Irrigation Heads

Symbol	Description
●	RAINBIRD Bubbler Model 1300A-F
⊖⊖⊖	RAINBIRD 1804-PRS Series with Nozzle
⊖⊖	RAINBIRD 1812-PRS Series with Nozzle
■	RAINBIRD PA-8S Shrub Adapter on PVC Riser

PIPE SIZING LEGEND

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

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JASON H. LITTENCK, ASLA LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0001177

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Landscape Architects, Planners, and Environmental Consultants
1907 Commerce Ln., Ste. 101, Jupiter, FL 33458 561-575-7137 www.landscape-architects.com

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION PLAN

SHEET NO. LD-29

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Irrigation Equipment Table

Irrigation Heads

Quantity	Symbol	Description	Radius
3	●	RAINBIRD Bubbler Model 1300A-F	1.00 ft
9	8Q ⊖	RAINBIRD 1804-PRS with 8' Quarter Arc Nozzle	8.00 ft
47	8H ⊖	RAINBIRD 1804-PRS with 8' Half Arc Nozzle	8.00 ft
1	10Q ⊖	RAINBIRD 1804-PRS with 10' Quarter Arc Nozzle	10.00 ft
54	10H ⊖	RAINBIRD 1804-PRS with 10' Half Arc Nozzle	10.00 ft
22	12H ⊖	RAINBIRD 1804-PRS with 12' Half Arc Nozzle	12.00 ft
1	15Q ⊖	RAINBIRD 1804-PRS with 15' Quarter Arc Nozzle	15.00 ft
2	15T ⊖	RAINBIRD 1804-PRS with 15' Third Arc Nozzle	15.00 ft
359	15H ⊖	RAINBIRD 1804-PRS with 15' Half arc Nozzle	15.00 ft
2	8Q ⊖	RAINBIRD 1812-PRS with 8' Quarter Arc Nozzle	8.00 ft
15	8H ⊖	RAINBIRD 1812-PRS with 8' Half Arc Nozzle	8.00 ft
2	10Q ⊖	RAINBIRD 1812-PRS with 10' Quarter Arc Nozzle	10.00 ft
9	10H ⊖	RAINBIRD 1812-PRS with 10' Half Arc Nozzle	10.00 ft
2	12H ⊖	RAINBIRD 1812-PRS with 12' Half Arc Nozzle	12.00 ft
10	10F ■	RAINBIRD PA-BS Shrub Adapter with 10' Full Arc Nozzle	10.00 ft

Pipe (Lateral)

Quantity	Symbol	Description	Size
234 ft	———	Schedule 40 PVC Pipe	2"
267 ft	———	Schedule 40 PVC Pipe	1-1/2"
485 ft	———	Schedule 40 PVC Pipe	1-1/4"
1384 ft	———	Schedule 40 PVC Pipe	1"
4965 ft	———	Schedule 40 PVC Pipe	3/4"

Pipe (Mainline)

Quantity	Symbol	Description	Size
4545 ft	———	Schedule 40 PVC Pipe	3"

Pipe (Directional Bore)

Quantity	Symbol	Description	Size
1550 ft	═══	HDPE Pipe	6"
1550 ft	═══	HDPE Pipe	2"

Water Well

Quantity	Symbol	Description	Size
1	(W)	PVC Cased Gravel Pack w/Stainless Steel Screen	4 inch

Pumps

Quantity	Symbol	Description	Size
1	(P)	Hoover Pump Station Model HCF-SCS-230/3-E-20,M,W,Z	5 HP

Controller

Quantity	Symbol	Description	Size
1	◪	Rainbird Controller Model ESPLXM with Modules	20 Zones

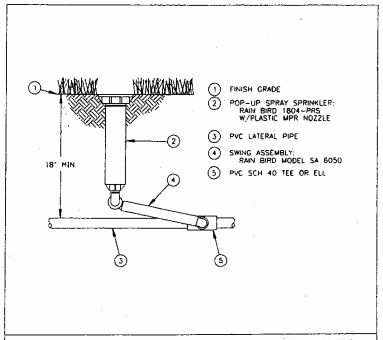
Valves

Quantity	Symbol	Description	Size
19	(V)	RAINBIRD Electric Valve Model 150-PEB in Valve Box	1-1/2"

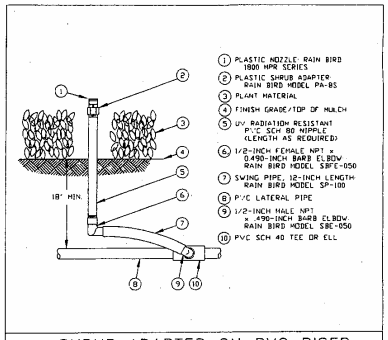
Wire (Low Voltage)

Quantity		Description	Size
44500 ft		UF Direct Burial Wire	AWG 12

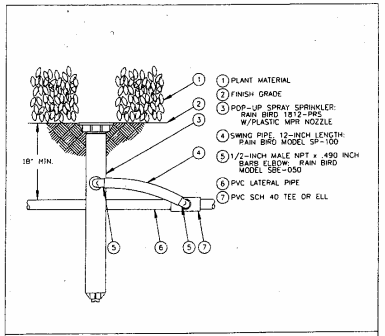
NOTE: QUANTITIES GIVEN ARE FOR CONTRACTORS CONVENIENCE ONLY. THE ACCURACY IS NOT GUARANTEED. IT IS RECOMMENDED THAT ONE VERIFY ALL QUANTITIES.



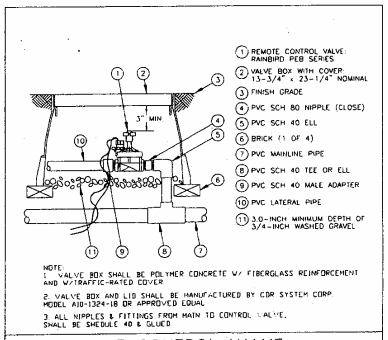
6 INCH POP-UP SPRAY SPRINKLER



SHRUB ADAPTER ON PVC RISER



12 INCH POP-UP SPRAY SPRINKLER



NOTE:
1. VALVE BOX SHALL BE POLYMER CONCRETE W/ FIBERGLASS REINFORCEMENT AND W/TRAFFIC-RATED COVER
2. VALVE BOX AND LID SHALL BE MANUFACTURED BY CDR SYSTEM CORP MODEL A10-1324-18 OR APPROVED EQUAL
3. ALL NIPPLES & FITTINGS FROM MAIN TO CONTROL VALVE, SHALL BE SCHEDULE 40 & GLUED

REMOTE CONTROL VALVE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-1.004, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JUDITH M. OTTERBACK, ASLA LA0000671
CERTIFICATE OF AUTHORIZATION NO. LC0000177

Gentile Holloway O'Mahoney & Associates, Inc.
Landscape Architects, Planners, and Environmental Consultants
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION TABLE AND DETAILS

SHEET NO. LD-30

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NOTES:

1. PIPING:
   MAIN LINES: 3 INCH SCHEDULE 40 PVC W/ METALLIC MARKER TAPE 6" BELOW FINISHED GRADE.

   ZONE LINES: PVC, 1/2" IS NOT USED, 3/4" & GREATER USE SCH. 40 PVC.

   DIRECTIONAL BORING: BORING SHALL BE DONE IN ACCORDANCE WITH TOWN OF DAVIE AND F.D.O.T. SPECIFICATIONS.
   PROVIDE OWNER WITH ALL BORE LOGS, DIRECTIONAL BORE "AS-BUILTS", UTILITY CROSSING
   EQUATIONS AND F.D.O.T UTILITY CROSSING PERMITS THAT ARE REQUIRED.

   ALL SLEEVES UNDER VEHICULAR USE PAVEMENT SHALL BE SCH 80 PVC OR HDPE PIPE WITH 36" MINIMUM COVER.
   ALL SLEEVES UNDER WALKWAYS SHALL BE SCH 40 WITH 24" MINIMUM COVER.

   FITTINGS: MAIN LINES: SCHEDULE 80 PVC, ZONE LINES: SCH.-40 PVC

   FABRICATION: SQUARE CUT, CLEAN ALL JOINTS. USE CLEANER ON ALL LATERALS. USE GRAY PVC CEMENT. FULLY ENGAGE ALL JOINTS.
   ALL FABRICATION SHALL BE TO MANUFACTURERS SPECS.
   ALLOW ALL MAIN LINES TO CURE FOR 24 HOURS BEFORE PRESSURING.
   ALL PIPE, FITTINGS, AND SOLVENTS TO CONFORM TO LATEST ASTM SPECS.

2. DEPTH OF LINES:
   MAIN LINE AND WIRING = 24" DEEP, MIN.
   RUN LINE GUARD METALLIC TAPE 6" BELOW FINISHED GRADE.
   SLEEVING UNDER PAVEMENT = 36" DEEP MIN.
   ZONE LINES = 18" DEEP MIN. FOR ALL ZONE LINES

3. CONTROL WIRES:
   AWG 12 FOR ALL HOT WIRES AND AWG 12 FOR COMMON.
   SOLID COPPER TYPE UF UL LISTED FOR DIRECT BURIAL.
   RUN UNDER MAINLINE, TAPED EVERY 10'.
   SPLICE WIRES ONLY IN A VALVE BOX.
   ALL SPLICES SHALL BE MOISTURE PROOF USING DBY OR EQUAL TYPE CONNECTORS.
   RUN 2 SPARES FROM CONTROLLER IN EACH DIRECTION OF THE MAINLINE TO FURTHEST VALVES.
   COMMON TO BE WHITE, SPARES BLACK, HOT WIRES COLOR CODED.

4. PRESSURE TEST MAIN LINES AT 100 PSI FOR 24 HOURS WITH A MAXIMUM ALLOWABLE LOSS OF 5 PSI. IF SYSTEM FAILS TEST, REPAIR & RETEST. TEST TO BE CONDUCTED IN PRESENCE OF OWNERS REPRESENTATIVE.

5. BACKFILL ALL TRENCHES FREE OF DEBRIS, COMPACT TO ORIGINAL DENSITY, FLUSH ALL LINES, USE SCREENS IN ALL HEADS, ADJUST HEADS FOR PROPER COVERAGE AVOIDING EXCESS WATER ON WALLS, WALKS, PAVING, ETC..

6. ALL DETAILS ARE GRAPHICALLY SHOWN ONLY. ALL QUANTITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO INSTALLATION. THIS SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASSURE COMPLETE OVERLAPPING COVERAGE. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND LANDSCAPE ARCHITECT BEFORE PROCEEDING. CODES AND LOCAL REGULATIONS SHALL TAKE PRECEDENCE OVER THESE PLANS. THE LANDSCAPE ARCHITECT/DESIGNER RESERVES THE RIGHT TO MAKE MINOR FIELD CHANGES. THE CONTRACTOR MAY FIELD ADJUST SPRAY NOZZLE SELECTION TO PROVIDE PROPER COVERAGE.

7. PROVIDE OWNER WITH AN ACCURATE "AS INSTALLED" PLAN AT COMPLETION SHOWING MAIN LINES, WIRING, VALVES, CROSSINGS, ETC USING DIMENSIONS FROM FIXED DATUMS.

8. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK.

9. IF EXISTING SIDEWALK IS REMOVED OR DAMAGED IN BORING OR CONSTRUCTION, IT SHALL BE REPLACED TO TOWN OF DAVIE AND F.D.O.T. SPECIFICATIONS.

10. DIRECTIONAL BORING SHALL BE DONE IN ACCORDANCE TO THE LATEST F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DIVISION 11, GENERAL CONSTRUCTION OPERATIONS, SECTION 555.

11. THE IRRIGATION SYSTEM HEAD LAYOUT IS DESIGNED AND SHALL BE INSTALLED AND MAINTAINED TO MINIMIZE OVERSPRAY ONTO ROADWAYS. AFTER THE SYSTEM IS FLUSHED AND NOZZLED, THE ARCS SHALL BE SET TO MINIMIZE OVERSPRAY AND THE FLOW CONTROL/PRESSURE REGULATOR ON THE ZONE CONTROL VALVE SHALL BE ADJUSTED DOWN TO PREVENT ANY MISTING OR FOGGING, TO PRODUCE DROPLETS OF WATER TO MINIMIZE THE EFFECT OF THE WIND THEREBY LIMITING OVERSPRAY AND WATER WASTE. CONTROLLER PROGRAMMING SHALL BE SET SO AS NOT TO ALLOW THE IRRIGATION TO CREATE ANY RUN OFF WHICH COULD CREATE WATER ON THE ROAD.

12. THE DESIGNER CANNOT BE HELD RESPONSIBLE FOR ANY MATTER, ACT, OR EFFECT ARISING FROM OVERSPRAY, BROKEN PIPES, HEADS OR NOZZLES. IN THE EVENT OF A BREAK OR BROKEN OFF HEAD OR NOZZLE, THE COMPONENT SHALL BE REPAIRED/REPLACED, CAPPED, OR ZONE TURNED OFF FROM AUTOMATIC OPERATION AS SOON AS POSSIBLE.

13. THE DESIGNER DOES NOT WARRANT THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR, IF SHOWN, ARE PROPERLY LOCATED ON THE PLANS, AND ARE EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AT (800) 432-4770 TO VERIFY UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO DIGGING. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT/LOCATE OTHER UTILITIES NOT SUBSCRIBING TO "SUNSHINE STATE ONE CALL". ALSO CALL APPLICABLE LOCAL UTILITY AGENCY TO VERIFY LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES AND RELEVANT GOVERNMENT DEPARTMENTS AND ENSURING ALL UTILITIES LOCATED ABOVE, ON, OR BELOW THE SURFACE OF THE SITE ARE PROPERLY DISCOVERED, IDENTIFIED, VERIFIED, AND FIELD LABELED, AND ENSURING THOSE SAME UTILITIES ARE AT ALL TIMES SAFELY CONTROLLED AND PROTECTED BY REASONABLE MEANS.

15. LOCATE SPRINKLER HEADS 12" FROM BACK OF CURB. LOCATE IRRIGATION VALVE BOXES A MINIMUM 18" FROM BACK OF CURB.

16. ANY WORKERS, WORKED PERFORMED, EQUIPMENT, ECT. WITHIN THE TRAVEL WAY MUST HAVE A MAINTENANCE OF TRAFFIC PER F.D.O.T. INDEX IN PLACE PRIOR TO COMMENCING WORK.

17. ALL DAMAGED OCCURRED BY THE CONTRACTOR SHALL BE REPLACED PER TOWN OF DAVIE AND/OR F.D.O.T. STANDARDS.

18. THE CONTRACTOR SHALL PROVIDE AND INSTALL CONTROLLERS, PUMP STATION, REMOTE CONTROL VALVES, RAIN SENSORS, AND VALVE BOXES AT THE LOCATIONS SHOWN ON THE PLANS IN ACCORDANCE TO THE MANUFACTURERS SPECIFICATIONS.

19. THE FINAL LOCATION OF ALL COMPONENTS SHALL BE APPROVED BY THE PROJECT ENGINEER.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICABLE FEES AND PERMITS.

MINIMUM RECOMMENDED
IRRIGATION MAINTENANCE PROCEDURES

1. Every irrigation zone should be checked monthly and written reports generated describing the date(s) each zone was inspected, problems identified, date problems repaired, and a list of materials used in the repair. At minimum, these inspections should include the following tasks:

   A. Turn on each zone from the controller to verify automatic operation.
   B. Check schedules to ensure they are appropriate for the season, plant and soil type, and irrigation method. Consult an I.A. certified auditor for methods used in determining proper irrigation scheduling requirements.
   C. Check remote control valve to ensure proper operation.
   D. Check setting on pressure regulator to verify proper setting, if present.
   E. Check flow control and adjust as needed; ensure valve closure within 10-15 seconds after deactivation by controller.
   F. Check for leaks - mainline, lateral lines, valves, heads, etc.
   G. Check all heads as follows:

      1. Proper set height (top of sprinkler is 1" below now height)
      2. Verify head pop-up height - 6" in turf, 12" in ground cover, and pop-up on riser in shrub beds.
      3. Check wiper seal for leaks - if leaking, clean head and re-inspect. If still leaking, replace head with the appropriate head with pressure regulator and built-in check valve.
      4. All nozzles checked for proper pattern, clogging, leaks, correct make & model, etc. - replace as needed.
      5. Check for proper alignment - perfectly vertical; coverage area is correct; minimize overspray onto hardscapes.
      6. Riser height raised/lowered to accommodate plant growth patterns and ensure proper coverage.
      7. Verify the pop-up riser retracts after operation. If not, repair/replace as needed.

2. Check controller ground for resistance (10 ohms or less) once per year. Submit written reports.

3. Check rain shutoff device monthly to ensure it functions properly.

4. Inspect all filters monthly and clean/repair/replace as needed.

5. Inspect all valve boxes to ensure they are in good condition, lids are in place and locked.

6. Check pump stations for proper operation, pressures, filtration, settings, etc. - refer to pump station operations manual.

7. Conduct additional inspections, maintenance tasks, etc. that are particular for your site.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-19.001, F.A.C.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: JOSEPH M. LETTERICE, AIA - LA0001477
CERTIFICATE OF AUTHORIZATION NO. LC0000177
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416876-1-52-01

IRRIGATION NOTES AND PROCEDURES

SHEET NO. LD-31

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

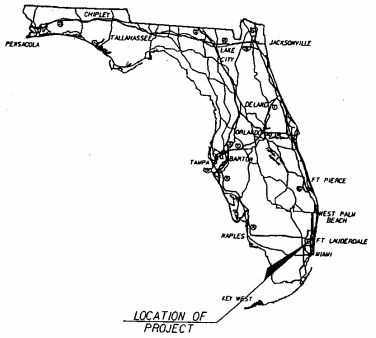
CONTRACT PLANS

FINANCIAL PROJECT ID 421672-1-52-01
BROWARD COUNTY (86220)
STATE ROAD NO. 817 /UNIVERSITY DRIVE
FROM ORANGE DRIVE TO S.W. 30th STREET

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	TABULATION OF QUANTITIES / PLANT SCHEDULE
LD-3	LANDSCAPE GENERAL NOTES
LD-4	LANDSCAPE DETAILS
LD-5 TO LD-7	LANDSCAPE PLAN
LD-8	IRRIGATION LEGEND AND TABULATION OF QUANTITIES
LD-9	IRRIGATION GENERAL NOTES AND DETAILS
LD-10	IRRIGATION DETAILS
LD-11 TO LD-13	IRRIGATION PLAN
LD-14	IRRIGATION ELECTRIC SERVICE DETAIL



LOCATION OF PROJECT

LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:

ROBERT COTLEUR
COTLEUR & HEARING, INC.
1934 COMMERCE LANE, SUITE 1
JUPITER, FL 33458

PLANS PREPARED BY:

Landscape Architect Of Record: Robert J. Cotleur, RLA: #1067

Cotleur Hearing
1934 Commerce Lane Suite 1
Jupiter, Florida 33458
561-747-6336 Fax 561-747-1377
Cert. of Auth. LC-C000239
Vendor No. 65-0270814

CONTRACT No. C-BR08

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

MAR 2 5 2009

LANDSCAPE PLANS
LANDSCAPE
ARCHITECT OF RECORD: ROBERT J. COTLEUR

R.L.A. NO.: 1067

KEY SHEET REVISIONS	
DATE	DESCRIPTION

FDOT PROJECT MANAGER: NADIR RODRIGUES, P.E.

FISCAL YEAR	SHEET NO.
10	LD-1

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TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	SYM	DESCRIPTION	SIZE	NATIVE	* MAXIMUM MAINTAINED SIZE	UNIT	SHEET NUMBERS LD-5 PLAN	LD-5 FINAL	LD-6 PLAN	LD-6 FINAL	LD-7 PLAN	LD-7 FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL	REF. SHEET
570-1-2		PERFORMANCE SOD IST. AUGUSTINE - FLORITAM)	SEE PAY ITEM NOTES, SHEET LD-3			SY							2,392		
580-1-1		SMALL PLANTS	SEE PAY ITEM NOTES, SHEET LD-3			LS							1		
	CI	Chrysobalanus icaco 'Red Tip' - Red Tip Cocoplum	#3 GAL, 1.5'x 1.5', 2.5' OC	Y	6'		139		159				298		
	CID	Chrysobalanus icaco 'Horizontalis' - Dwarf Cocoplum	#3 GAL, 1'x 1.5', 2' OC	Y	2'				182		184		366		
	EU	Euphorbia milli 'Rosy' (Pink) - Dwarf Crown of Thorns	#1 GAL, 8"x 8", 1.5' OC	N	1.5'				242		96		338		
	HD	Hamelia patens 'Nacrantha' - Dwarf Firebush	#3 GAL, 1.5'x 2', 2.5' OC	Y	4'		212						212		
	IV	Ilex vomitoria 'Stokes Dwarf' - Dwarf Yaupon Holly	#3 GAL, 1'x 1', 2' OC	Y	3'		59		218				277		
	JP	Juniperus parsonii - Parsons Juniper	#3 GAL, 1'x 1.5', 2' OC	N	2'				85		126		211		
	SB	Spartina bakeri - Sand Cordgrass	#3 GAL, 1.5'x 1.5', 2' OC	Y	4'		60				65		125		
580-1-2		LARGE PLANTS	SEE PAY ITEM NOTES, SHEET LD-3			LS							1		
	QV	Quercus virginiana - Live Oak	16'x 7', 4.5" CAL, FULL, 5' CT	Y	NAT. FORM				1				1		
	SP	Sabal palmetto - Sabal Palmetto	10', 14', 20' CT, STGG, (1/3 EACH SIZE), SLICK, STRAIGHT TRUNK	Y	NAT. FORM				9				9		
	SR	Serenoa repens - Saw Palmetto	#7 GAL, 2'x 2', 4' OC	Y	8'		65		96		75		236		
590-70		IRRIGATION SYSTEM	SEE PAY ITEM NOTES, SHEET LD-3			LS							1		
639-1-22		ELECTRICAL POWER SERVICE (U.G.)	SEE PAY ITEM NOTES, SHEET LD-3			AS							1		

LEGEND: GAL= GALLON, OC= ON CENTER, CAL= CALIPER, CT= CLEAR TRUNK, STGG= STAGGERED HEIGHT, N= NO, Y= YES, NAT. FORM= NATURAL FORM

* WHERE SHRUBS AND GROUNDCOVERS ARE LOCATED WITHIN SIGHT TRIANGLES, THE MAXIMUM MAINTAINED HEIGHT SHALL BE 24" FROM ROADWAY GRADE AS SHOWN IN TYPICAL MEDIAN SECTION.

MAR 25 2009

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotteur, RLA: #1067
Cotteur Hearing
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Cert. of Auth. LC-0000139
Vendor No. 65-0270084

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

TABULATION OF QUANTITIES / PLANT SCHEDULE

SHEET NO. LD-2

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PAY ITEM NOTES:

570-1-2 — SODDING INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY FOR THE COMPLETE INSTALLATION OF SOD INCLUDING DELIVERY, PREPARATION, EXCAVATION, INSTALLATION AND SOD. THIS ITEM ALSO INCLUDES ALL FERTILIZER AND WATER FOR GRASSING AS REQUIRED FOR THE COMPLETE INSTALLATION OF SODDING IN ACCORDANCE WITH THE SPECIFICATIONS AND GENERAL NOTE #7 BELOW.

580-1-1, 580-1-2 — INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS FOR THE COMPLETE INSTALLATION OF PLANT IN ACCORDANCE WITH SPECIFICATIONS AND FDOT INDEX #544 INCLUDING, BUT NOT LIMITED TO, PLANT, FINISH SOIL LAYER, UNSUITABLE SOIL REMOVAL, SPECIAL BED PREPARATION, FUNGI INOCULANTS, STAKING, MULCH, PRE-EMERGENT HERBICIDE, FERTILIZER, HAND WATERING, GUARANTY AND MAINTENANCE DURING ESTABLISHMENT PERIOD.

590-70 — INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS FOR THE COMPLETE INSTALLATION OF AUTOMATIC IRRIGATION SYSTEM BY MEANS OF OPEN TRENCHING AS SPECIFIED IN THESE PLANS AND THE GOVERNING SPECIFICATIONS. INCLUDES THE COST OF ALL SYSTEM COMPONENTS AND INSTALLATION INCLUDING, BUT NOT LIMITED TO WELL AND PUMP STATION, VALVES, IRRIGATION HEADS, NOZZLES, FITTINGS, PIPES, SLEEVES, CONTROLLERS, CLOCKS, BACKFILLING, DEBRIS REMOVAL, SYSTEM TESTING AND COORDINATION WITH THE TOWN OF DAVIE. THIS PAY ITEM ALSO INCLUDES THE COST OF ALL REQUIRED PERMITS NEEDED TO PERFORM THIS WORK EXCEPT FOR THE WATER USE PERMIT, WHICH WILL BE OBTAINED BY THE DEPARTMENT.

639-1-22 — ELECTRIC SERVICE INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY FOR PROVIDING ELECTRIC POWER SERVICE TO THE NEW IRRIGATION PUMP STATION. COMPENSATION SHALL BE FOR A COMPLETE INSTALLATION INCLUDING, BUT NOT LIMITED TO, TRANSFORMERS, WIRES, CONDUIT, DIRECTIONAL DRILLING, EXCAVATION, METERS AND/OR PAYMENTS TO FPL FOR SERVICE CONNECTION FEES. THE COST OF ELECTRICITY TO POWER THE SYSTEM WILL NOT BE THE RESPONSIBILITY OF THE CONTRACTOR, BUT WILL BE PAID BY THE MAINTAINING AUTHORITY, (TOWN OF DAVIE).

LANDSCAPE GENERAL NOTES:

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

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

3. THE IRRIGATION SYSTEM MAY NOT BE COMPLETELY OPERATIONAL AT THE TIME OF PLANT INSTALLATION. THEREFORE, HAND WATERING MAY BE REQUIRED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE HIS OR HER OWN WATERING SCHEDULE AND RATE TO ENSURE THE HEALTHY ESTABLISHMENT OF ALL PLANTS. ALL COSTS FOR HAND WATERING OF PLANTINGS SHALL BE INCLUDED IN THE UNIT COST OF THE PLANT MATERIAL. PLANTS THAT DIE, OR EXCESSIVELY SHOCK DUE TO LACK OF WATER, MUST BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE DEPARTMENT. WATER FORCE FROM WATER TRUCK SHALL NOT BE APPLIED IN A MANNER WHICH WOULD DAMAGE PLANTS, NOR IN A MANNER WHICH WOULD REMOVE SOIL SAUCER RING OR MULCH AROUND EACH PLANT. ANY DAMAGE TO PLANT OR OTHER SURROUNDING ITEMS, EITHER BY WATER FORCE OR WATER TRUCK, IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE.

4. ALL LANDSCAPE BEDS SHALL RECEIVE A UNIFORMLY APPLIED MULCH MATERIAL TO A MINIMUM THICKNESS OF 3" OVER THE ENTIRE PLANT BED, (EXCEPT WITHIN 3" OF PLANT TRUNKS). A PRE-EMERGENT HERBICIDE WILL BE USED IN CONJUNCTION WITH THE MULCHING OPERATIONS. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR RATES AND APPLICATION METHOD. MULCH TYPE TO BE GRADE 'A' RECYCLED MULCH. THE COST FOR MULCH AND PRE-EMERGENT HERBICIDE WILL BE INCLUDED IN THE COST OF THE PLANT.

5. THIS PROJECT WILL BE MAINTAINED BY THE TOWN OF DAVIE, CONTACT PERSON: DAN OYLER, PH. 954-797-1240.

6. SIGHT TRIANGLES SHOWN IN THE PLANS ARE BASED ON A 45 MPH DESIGN SPEED, 6 LANE DIVIDED HIGHWAY, 25' TO 64' MEDIAN WIDTH, DISTANCE 'D' = 510'

7. ST. AUGUSTINE SOD IS PROPOSED WITHIN THE MEDIAN AREAS AND ALL QUANTITIES FOR SOD LOCATED IN MEDIANS ARE SHOWN IN THESE PLANS. REFER TO THE ROADWAY PLANS FOR SOD LOCATIONS AND QUANTITIES IN ALL OTHER AREAS.

8. ALL INTERSECTIONS LABELED AS 'SIGNALIZED' ON THESE PLANS ARE FULLY SIGNALIZED 24 HOURS A DAY AND ARE NOT PLACED IN FLASHING MODE AS A PART OF THEIR NORMAL OPERATION.

9. WHERE EXISTING TREES ARE SHOWN TO REMAIN WITHIN PROPOSED PLANT BEDS, THERE WILL BE NO EXCAVATION FOR BED PREPARATION, OR NEW SOIL ADDED WITHIN THE DRIPLINE OF THE CANOPY. ALL EXISTING TREES DAMAGED OR DESTROYED BY THE CONTRACTOR, DURING CONSTRUCTION OR WARRANTY PERIOD, WILL BE REPLACED WITH LIKE SIZE AND TYPE TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S SOLE EXPENSE.

10. THE CONTRACTOR SHALL INSURE THAT ALL PAVEMENT, STONES OVER 3", ROAD BASE AND OTHER MATERIAL THAT IS UNSUITABLE FOR PLANTING IS REMOVED FROM ALL PLANT BED AREAS, SOD AREAS AND ALL PLANT PIT AREAS.

11. THE PAYMENT OF ALL ELECTRICAL BILLS PERTAINING TO THE IRRIGATION WILL BE THE RESPONSIBILITY OF THE INDIVIDUAL MUNICIPALITY MAINTAINING SAID SYSTEM.

12. FOUR EXISTING SABAL PALMS WILL BE REMOVED AS SHOWN IN THESE PLANS. THE CONTRACTOR CAN EITHER REMOVE THE ENTIRE ROOTBALL OR GRIND THE TRUNK TO A MINIMUM OF 6" BELOW GRADE. IN EITHER CASE, THE AREA WILL BE RESTORED, REGRADED AND SODDED (OR PLANTED) AS SHOWN IN THE PLANS. THIS REMOVAL WORK WILL BE PAID FOR IN THE CLEARING AND GRUBBING PAY ITEM NUMBER (110-1-1).

13. ALL NEW PLANTS WILL RECEIVE A PREMIXED, DRY GRANULAR FUNGI INOCULANT COMPOUND CONSISTING OF ENDO- AND ECTOMYCORRHIZA FUNGI BENEFICIAL BACTERIA, TRICHODERMA, ORGANIC MICROBIAL NUTRIENTS, AND A HORTICULTURAL GRADE GEL THAT IS MIXED IN THE BACKFILL AT PLANTING. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION METHODS AND RATES. ALL COSTS RELATED TO THIS TREATMENT WILL BE INCLUDED IN THE COST OF THE PLANT.

MAR 25 2009

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

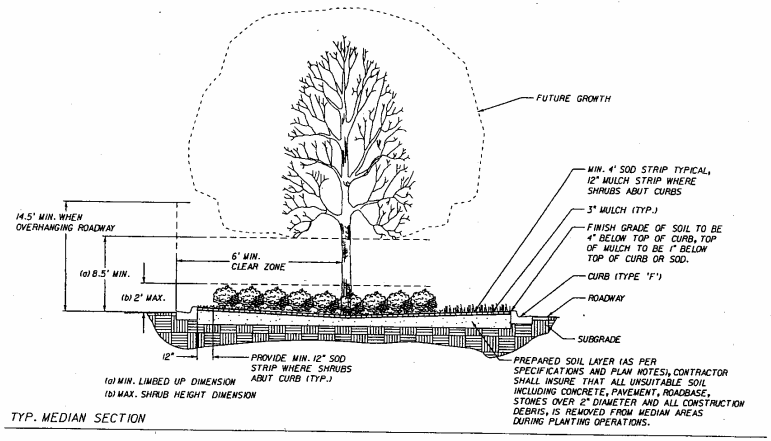
Landscape Architect Of Record: Robert J. Cotteur, RLA: #1067
Cotteur Hearing
614 Commerce Lane Suite I
Jupiter, Florida 33458
561-747-6336 Fax 561-747-1377
Cert. of Auth. LC-C000239
Vendor No. 65-0670864

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

LANDSCAPE GENERAL NOTES

SHEET NO. LD-3



TYP. MEDIAN SECTION

NOT TO SCALE

MAR 26 2009

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, RLA: #067
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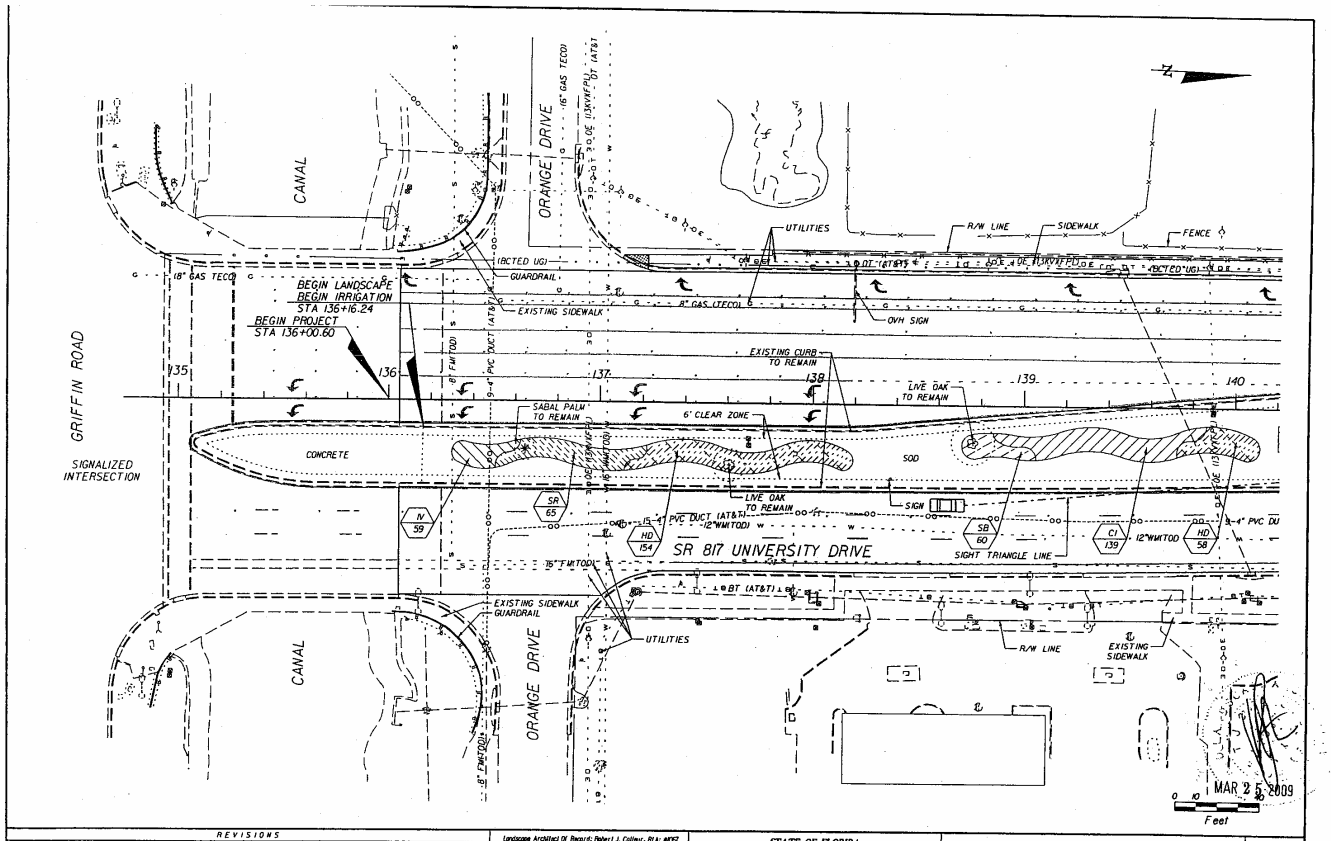
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

LANDSCAPE DETAILS

SHEET NO. LD-4



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, RLA: #1067
Cotleur Hearing
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Jupiter, Florida 33458
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-5

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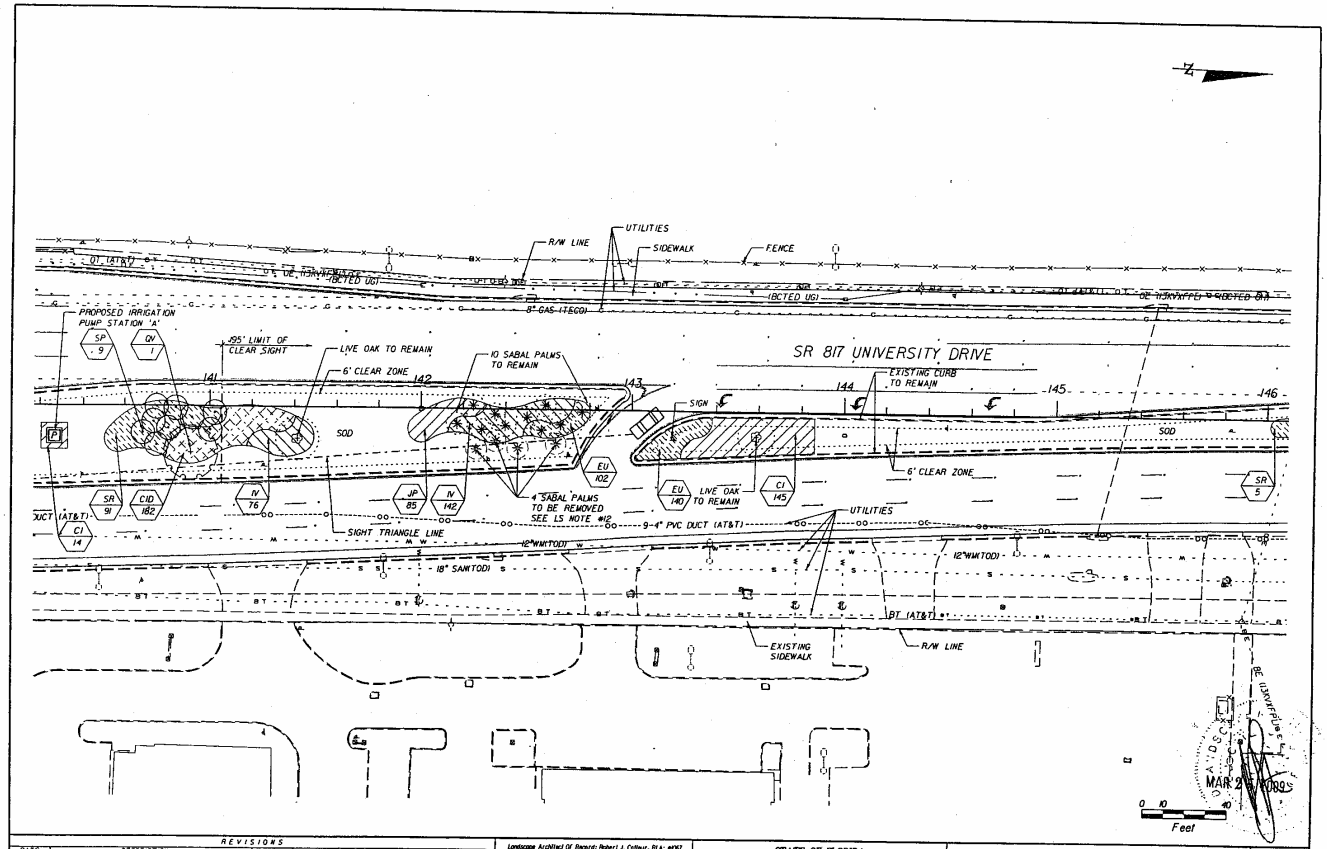

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotteur, RLA: #067
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-6

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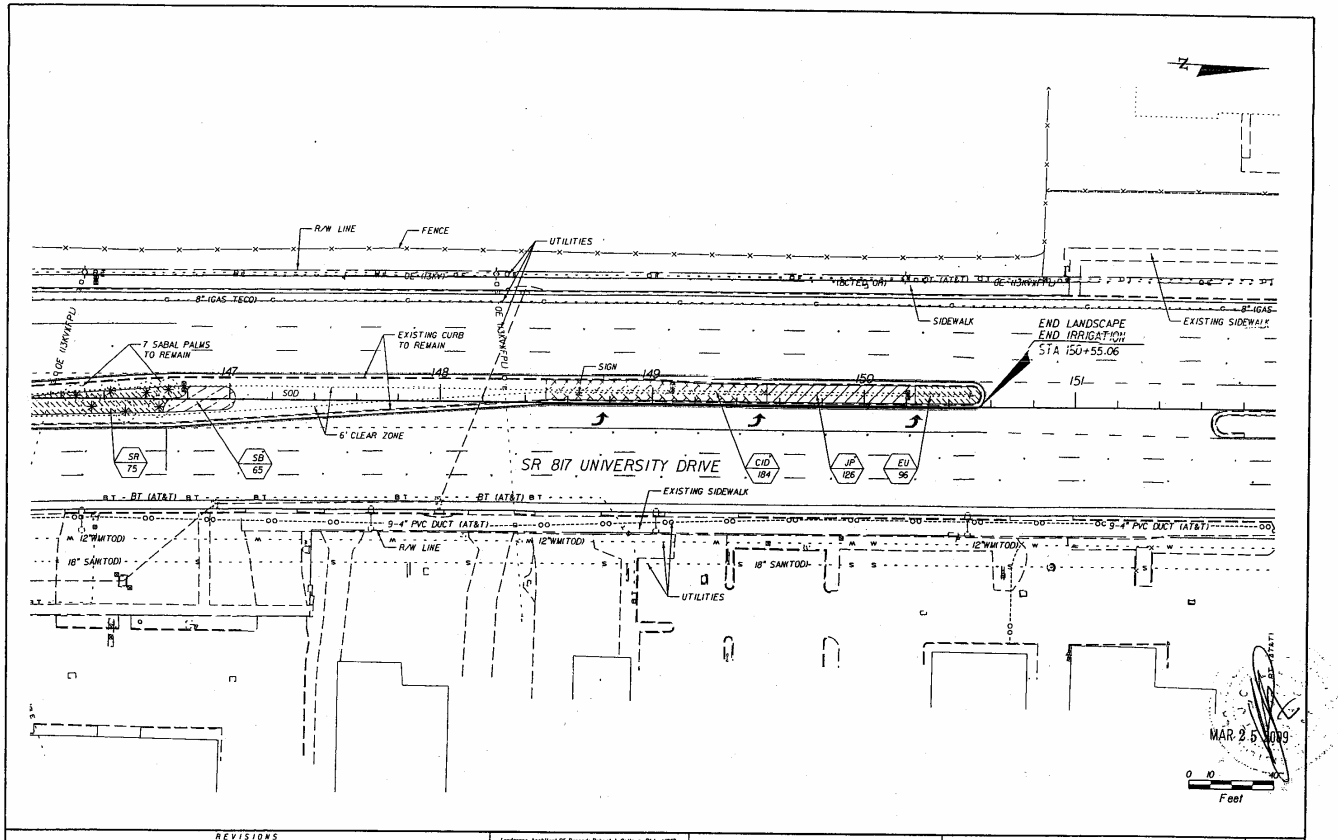

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, PLA: #052
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1934 Commerce Lane Suite 1
Jupiter, Florida 33458
561-747-6336 Fax 561-747-1377
Cert. of Auth. LC-0000239
Vendor No. 65-0270824

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

LANDSCAPE PLAN

SHEET NO. LD-7

3/25/2009 8:36:24 AM

IRRIGATION LEGEND AND TABULATION OF QUANTITIES

SYM	DESCRIPTION	UNIT	QUANTITY BY SHEET LD-11	LD-12	LD-13	TOTAL
	BUBBLER	EA		1		1
	RAINBIRD 6" POP UP 10' HALF	EA			13	13
	RAINBIRD 12" POP UP 10' QUARTER	EA			1	1
	RAINBIRD 12" POP UP 10' HALF	EA			40	40
	RAINBIRD 6" POP UP 15' HALF	EA		30	23	53
	RAINBIRD 12" POP UP 15' QUARTER	EA		1		1
	RAINBIRD 12" POP UP 15' HALF	EA		11		11
	ROTOR 30' QUARTER	EA	2	2		4
	ROTOR 30' HALF	EA	26	17		43
	ROTOR ON RISER 30' FULL	EA		3		3
	IRRITROL 100 SERIES 1-1/2" REMOTE CONTROL VALVE	EA	4	6	4	14
P	2" WELL & 2 HP PUMP STATION WITH RAIN SENSOR, CONTROLLER AND (OPTIONAL) RUST INHIBITOR SYSTEM	EA		1		1
	* PVC SCH. 160 LATERAL LINES	LF	732	1155	856	2743
	* PVC SCH. 40 2" MAIN LINE	LF	355	660	330	1345
	* SCH. 80 PVC SLEEVE (SIZE AS NOTED)	LF		70		70

NOTES: REFER TO IRRIGATION LEGEND FOR PRODUCT DESCRIPTION AND MODEL NUMBERS
* PIPE LENGTHS BASED ON SCHEMATIC LAYOUT SHOWN IN THESE PLANS. ACTUAL QUANTITIES MAY VARY.

ELECTRICAL SERVICE LEGEND

POWER DISTRIBUTION POINT. FOR REQUIREMENTS SEE INDEX NO. 17504 OF DESIGN STANDARDS, AND SERVICE POINT DETAIL SHEET.

—— • —— 2" PVC SCH. 40 ELECTRICAL CONDUIT UNDERGROUND WITH RHW CROSSPOLYLINK CONDUCTORS INSIDE (CONDUCTOR SIZE AS SHOWN ON PLAN SHEETS). RUN ONE (1) COPPER BOND CONDUCTOR (RHW CROSSPOLYLINK GREEN INSULATION) INSIDE CONDUIT WITH OTHER CONDUCTORS.

3-25 2009

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotteur, RLA: #052
Cotteur Hearing
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

IRRIGATION LEGEND AND TABULATION OF QUANTITIES

SHEET NO. LD-8

IRRIGATION GENERAL NOTES:

1. IRRIGATION SYSTEM LIMITS GENERALLY INCLUDE THE TWO MEDIANS OF SR 817 UNIVERSITY DRIVE FROM ORANGE DRIVE NORTH. THE IRRIGATION SYSTEM WILL UTILIZE ONE NEW PUMP STATION WITH A WELL FOR THE WATER SOURCE. ELECTRIC SERVICE TO POWER THE NEW PUMP STATION WILL ALSO BE PROVIDED BY THE CONTRACTOR. THE IRRIGATION WORK INCLUDES FURNISHING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE PROPER INSTALLATION OF THE IRRIGATION SYSTEM AND ALL COMPONENTS AS SHOWN IN THE PLANS, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: (1) CONSTRUCTING ELECTRICAL SERVICE; (2) INSTALLATION OF A FULLY AUTOMATED IRRIGATION SYSTEM (INCLUDING WELL AND PUMP STATION, CONTROLLERS, VALVES, WIRES, AND PIPE); (3) TRENCHING AND BACKFILL; (4) HYDROSTATIC AND OPERATIONAL TESTING; (5) PREPARATION OF AS-BUILT DRAWINGS; (6) COORDINATION WITH MAINTENANCE STAFF FROM THE MAINTAINING AUTHORITY, THE TOWN OF DAVIE.

THE WORK DOES NOT INCLUDE INSTALLING ANY NEW WATER METERS, BACKFLOW PREVENTORS, OR TAPPING OF WATER MAINS.

2. THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE PROPOSED IRRIGATION SYSTEM TO INSURE 100% COVERAGE AND TO MINIMIZE OVERSPRAY. THE CONTRACTOR SHALL SUBSTITUTE ADJUSTABLE NOZZLES FOR FIXED PATTERN NOZZLES SPECIFIED WHERE NECESSARY.

3. THE CONTRACTOR SHALL RUN 3 ADDITIONAL SETS OF WIRES IN EACH DIRECTION TO EACH END OF THE MAIN FOR FUTURE USE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HARD WIRING ALL ELECTRICAL SERVICE CONNECTIONS.

5. ALL (NEW) SLEEVES BELOW ROADWAY PAVEMENT SHALL BE SCH. 80 AND WILL BE PAID FOR UNDER THE CONTRACT LUMP SUM PRICE FOR IRRIGATION.

6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO CONTACT THE ENGINEER FOR HYDROSTATIC AND OPERATIONAL TESTING.

7. ALL MAIN LINE PIPES PLACED IN SLEEVES SHALL BE SCH. 40 SOLVENT WELD WITH ADEQUATE RESTRAINTS. THE SLEEVE SHALL BE A MINIMUM TWO (2) TIMES LARGER THAN THE ENCASED PIPE DIAMETER.

8. ALL COMPONENTS SHOWN AND/OR DEPICTED ON THE PLAN SHEETS REPRESENT APPROXIMATE LOCATION ONLY, AND ARE FOR CLARIFICATION PURPOSES. THE FINAL LOCATION OF ALL COMPONENTS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

9. DO NOT SCALE PLAN FOR EXACT HEAD LOCATION.

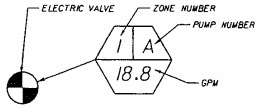
10. IRRIGATION COMPONENT TRADE NAMES ARE SPECIFIED DUE TO REQUEST BY MAINTAINING AUTHORITY, (TOWN OF DAVIE), TO ENSURE COMPATIBILITY WITH OTHER TOWN SYSTEMS. ALL SUBSTITUTIONS TO MATERIALS SPECIFIED SHALL BE APPROVED BY THE ENGINEER AND THE MAINTAINING AUTHORITY.

11. ALL PIPING ON THE PLANS IS DIAGRAMMATICALLY ROUTED FOR CLARITY AND SHALL BE ROUTED TO AVOID PLANTS AND UTILITIES. DESIGN MODIFICATIONS WILL ONLY BE MADE AS NECESSARY TO MEET FIELD CONDITIONS AND ONLY UPON APPROVAL OF THE ENGINEER.

12. THE TOWN CONTACT FOR COORDINATING THIS WORK IS DAN DYLER, PH: 954-797-1240.

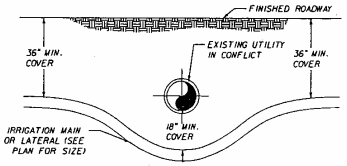
13. ALL RISERS SHALL BE PAINTED FLAT BLACK.

14. THE CONTRACTOR SHALL TEST IRRIGATION WATER AFTER WELLS ARE CONSTRUCTED TO INSURE IT IS SUITABLE FOR LANDSCAPE IRRIGATION. IF THE IRON CONTENT EXCEEDS 1.2 PARTS PER MILLION, THE CONTRACTOR SHALL PROVIDE A COST PROPOSAL TO THE ENGINEER FOR PROVIDING A RUST INHIBITOR SYSTEM TO INSURE THAT ROADWAY PAVEMENT AND OTHER STRUCTURES ARE NOT STAINED. THIS WORK, IF NEEDED, WILL BE IN ADDITION TO THE CONTRACT.



VALVE LABEL DETAIL

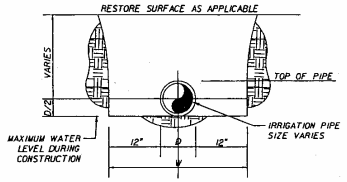
NOT TO SCALE



NOTE: IRRIGATION MAIN LINES OR LATERAL LINES THAT ARE SHOWN AS PVC PIPES IN SLEEVES MAY NEED TO BE SUBTITUTED WITH H.D.P.E. PIPE AND DIRECTIONALLY DRILLED WHERE EXISTING UTILITIES CAN NOT BE CROSSED WITHOUT EXCESSIVE EXCAVATION. COORDINATE ALL CHANGES WITH ENGINEER

TYPICAL CONFLICT DETAIL

NOT TO SCALE



NOTES: BEDDING FOR TYPICAL IRRIGATION WATER MAIN OR LATERAL INSTALLATION SHALL BE TYPE C. BEDDING SHALL BE COMPACTED TO 95% OF THE MATERIALS MAXIMUM DENSITY AS DETERMINED IN ASTM D-1557 (AASHTO T-180). TYPE C BEDDING SHALL BE DEFINED AS: SAND WITH 100 PERCENT PASSING A 9.75 SIEVE, AT LEAST 90 PERCENT PASSING A NUMBER 4 SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 30.

TYPICAL TRENCH DETAIL

(FOR LOCATIONS WITHIN 3' OF CURBS) NOT TO SCALE

MAR 25 2009

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Colleur, RLA: #0051
Colleur Hearing
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

IRRIGATION GENERAL NOTES AND DETAILS

SHEET NO. LD-9

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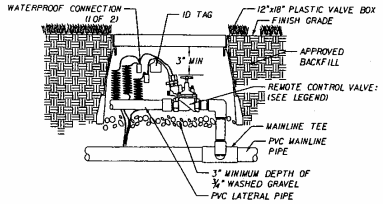

CONTROL VALVE DETAIL

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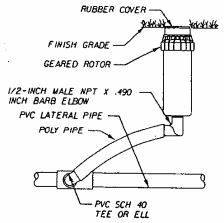
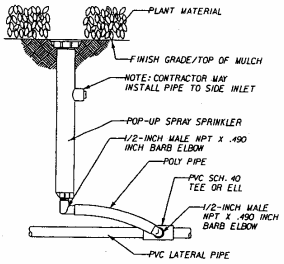


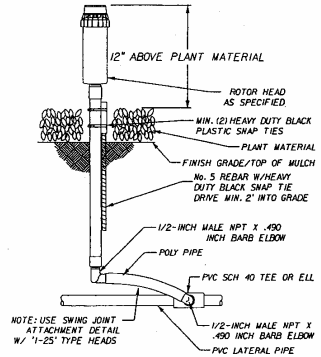
ROTOR DETAIL

NOT TO SCALE



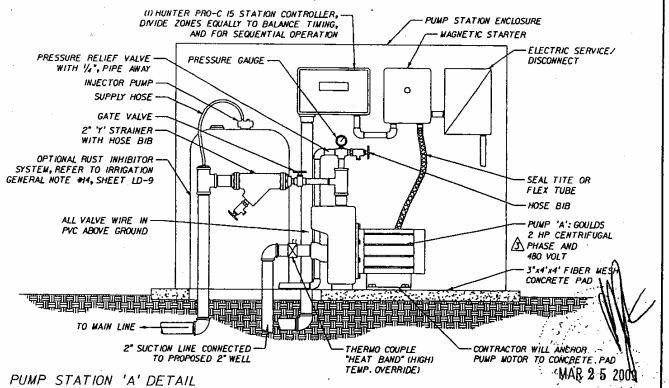
6" OR 12" POP-UP SPRINKLER

NOT TO SCALE



ROTOR RISER W/ STAKE KIT

NOT TO SCALE



PUMP STATION 'A' DETAIL

MAR 2 5 2009

NOT TO SCALE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, RLA: #1067
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

IRRIGATION DETAILS

SHEET NO. LD-10

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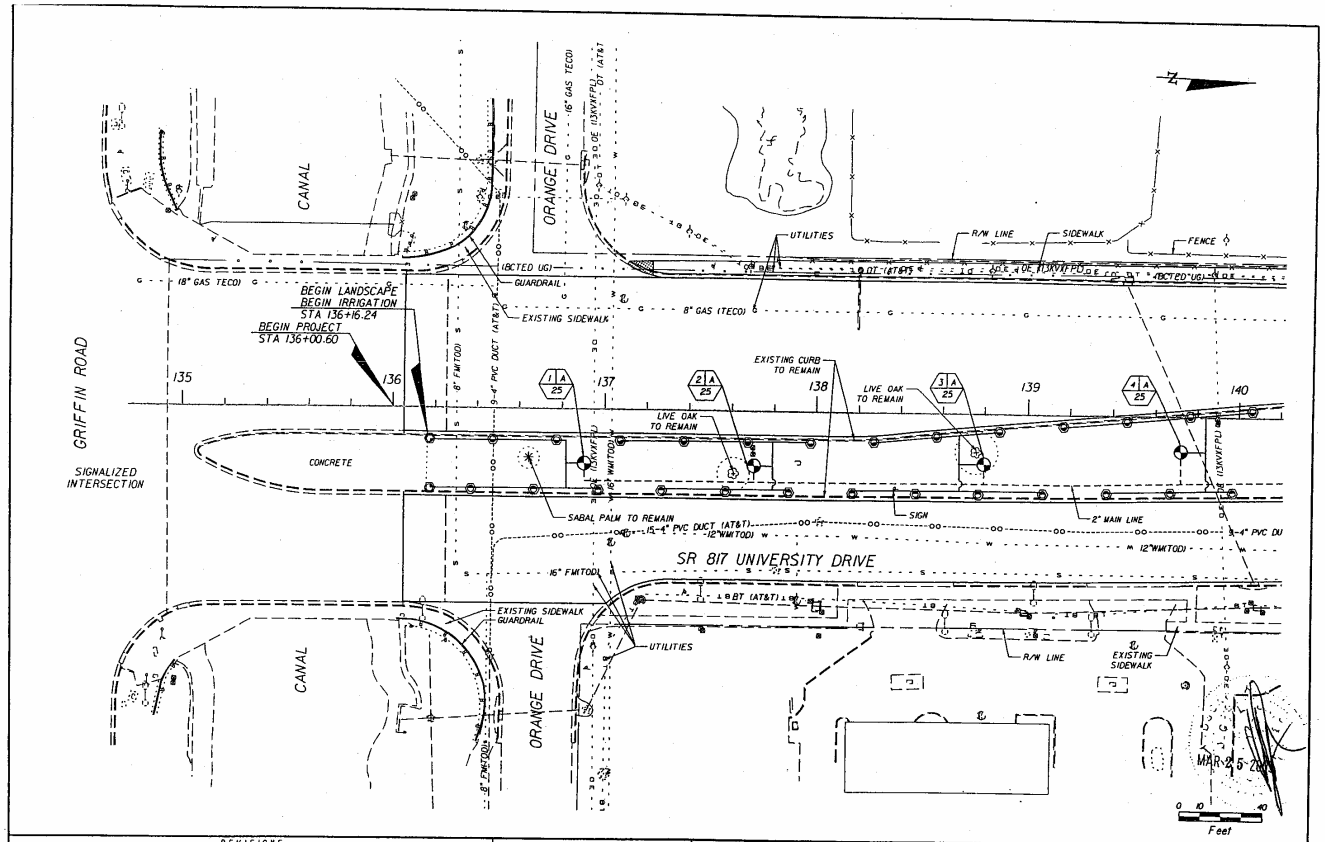

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, RLA: #1067

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STATE OF FLORIDA
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

IRRIGATION PLAN

SHEET NO. LD-11

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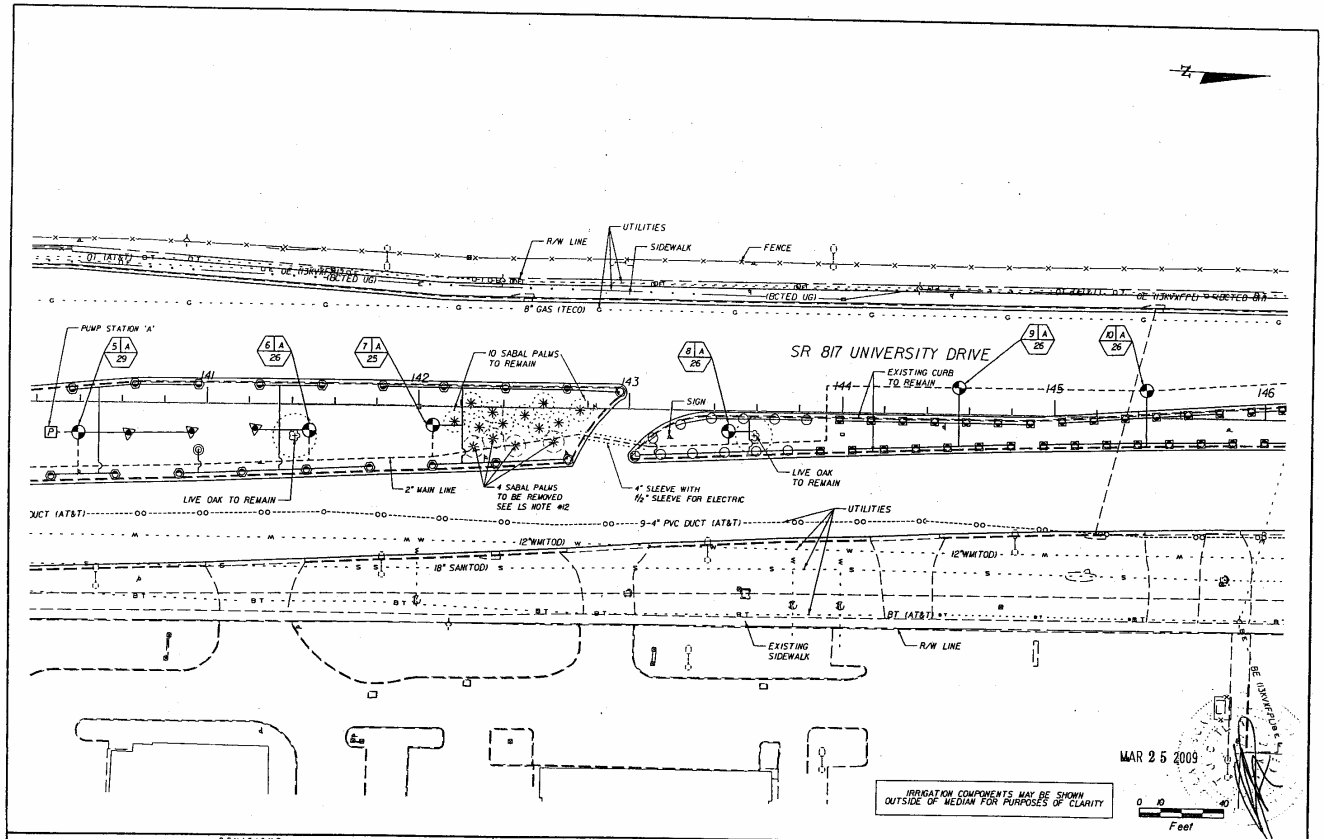

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Colleur, PLA: #1067
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

IRRIGATION PLAN

SHEET NO. LD-12

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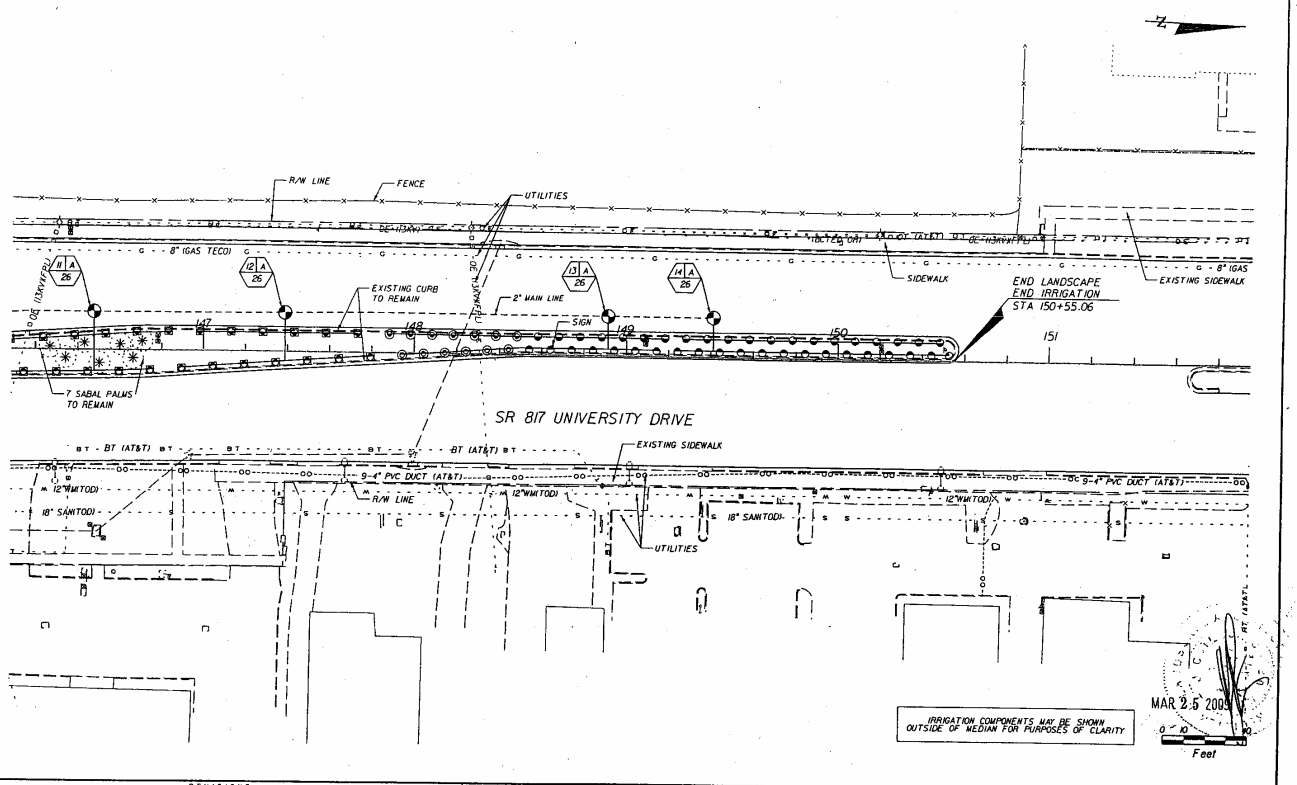

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotteur, RLA: #1067

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
817	BROWARD	421672-1-52-01

IRRIGATION PLAN

SHEET NO. LD-13

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SECTION Nos.:	**86100000, 86220000** **86190000, 86015000** **86080000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**40843915401** **416553-1-58-01** **41323-1-52-02** **413796-1-52-01** **421672-1-52-01** **403698-1-72-01**
WPI Nos.	**4119110, 4119110,** **4119110, 4612014,** **4110571, 4111149,** **4110998**

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

EXHIBIT E

MAINTENANCE PLANS

I. State Road 7 (US 441)

Gentile, Holloway, O'Mahoney & Associates, Inc. — Dated: November 26, 2008

II. State Road 817 (University Drive)

Cotleur Hearing — Dated: March 25, 2009

MAINTENANCE PLAN

Landscape and Irrigation Plans

Project Name: S.R. 7 (US 441)
Project Limits: From Orange Drive to North of Oaks Road
Landscape and Irrigation Plans
FM No.: 416876-1-52-01
Agency: Town of Davie, Florida

The purpose for the following performance based descriptions of landscape maintenance practices is to allow the plant material on your project to thrive in a safe and vigorous manner. Plantings shall be maintained to provide required visibility and conform to all of the required setbacks as set forth by Florida Department of Transportation's governing standards and specifications; FDOT Design Standards (Most Current Date) and Standard Specifications for Road and Bridge Construction (Most Current Date), as amended by contract documents.

General Requirements:

Watering Requirements:
Watering is probably the most critical concern regarding the maintenance of healthy plant material. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone but not to saturate the soil and should avoid over-spray onto travel lanes. Furthermore, the Agency should maintain the rain sensors (if on an irrigation system), to ensure that they are functioning properly and that the system does shut down when there is sufficient rainfall.

Avoid extremes in watering. Light, frequent watering is ineffective and produces shallow root systems. Excessive watering that keeps the root zones saturated may kill the plant material due to the lack of available air to the root zone. A typical rule of thumb is that turf areas should receive on an average, a minimum of 1" of water per week, with an equal or lesser amount for trees and shrubs, depending on their individual water usage.

Irrigation:
Ensure there is no roadway overspray or irrigation activities during the daytime hours (most notably rush hour traffic periods).

Fertilization/Insecticides/Fungicides:
Due to the poor shallow root soils of the South Florida area, coupled with heavy rainfall during the growing season, available nutrient levels for landscape materials are very low,

therefore nutrient amendments are essential. A soil analysis of each planting site should be done to determine the nutrient levels needed for vigorous plant growth.

Palms, shrubs, trees and turf areas should be fertilized in such a manner and frequency to ensure that the plant material remains healthy, without under or over nourishing them. An integrated plant management program is required to ensure healthy plants, free of disease and pests. Insecticides and fungicides shall be applied as needed to ensure that plants and grass remain pest and disease free.

Mulching:
Planting beds should be mulched in such a manner as to: prevent weed growth, retain moisture for use by plants, protect soil from erosion and the loss of nutrients, maintain a more uniform soil temperature and maintain a manicured appearance. Mulch should always be kept away from the trunks of trees, shrubs and palms to prevent rotting and susceptibility to disease. No Cypress mulch should be utilized.

Pruning:
All pruning shall adhere to ANSI A300 standards (and safety criteria adhered to) and shall be overseen by an ISA Certified Arborist. The older fronds on the Royal Palms shall be routinely pruned to insure that fronds do not fall onto any travel lanes. All pruning shall be done with the health and natural growth of the plant materials in mind and to specific pruning heights of the landscape material shall be determined in order to maintain clear site windows and vertical clearances for pedestrian and truck traffic where applicable. Visibility windows must be free of obstructions.

The desired growth habit in landscape planting beds shall be such that shrubs of the same species shall develop into a single mass and be kept separate from adjacent masses of other species.

Staking and Guying:
All staking material (except for replacements) will be removed at the completion of the one year warranty period before the city takes over.

Turf Mowing:
All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a neat and clean appearance.

Litter Control:
The project site shall remain litter free.

Weeding/Herbicide:
All planting areas shall be maintained to be as weed free as possible with mechanical and/or chemical weeding, and where specified on plans, with mulch properly applied and maintained. When utilizing herbicide, extreme care should be taken to avoid any overspray onto plant materials. Any damage resulting from overspray will be the applicator's responsibility to restore per approved plan.

Project Specific Requirements:

Pruning within ODA View Zones:
All shrubs and groundcovers located within the designated 500' view zone for ODA shall be maintained at a height not to exceed 48" in height in order to maintain clear visibility to the existing billboards.

MAINTENANCE PLAN
Landscape Improvements

Project State Road No(s):	**817**
Project Limits:	**Orange Drive (MP 6.400) to SW 30th Street (MP 7.757)**
FM No(s):	**421672-1-52-01**
Maintaining Agency:	**Town of Davie (Mr. Dan Oyler, Ph. 954-797-1240)**
RLA of Record:	**Robert J Cotleur, R.L.A. 1067**
Date:	**March 25, 2009**

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 is recommendations prepared by the 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 plant management program is encouraged to ensure healthy plants, which are free of disease and pests.

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

Pruning:
All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute ANSI A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, and to specific pruning heights maintaining clear visibility for motorists, and vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions and all trees and palms (with particular attention to fronds and fruit) maintained to prevent potential roadway and pedestrian hazards. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants should be noted on the planting plans. (See Specific Requirements and Recommendations per Approved Landscape & Irrigation Design for these guidelines). The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) of the medians are to be maintained at a height in compliance with FDOT Design Standards Index 546, Page 6 of 6, Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program* (MRP) standards.

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

Turf Mowing:
All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf

efforts: mowing, curb/sidewalk edging, and turf condition must 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 enlisting integrated pest management practices in areas specified on the plans and by maintaining proper mulch levels. Extreme care is recommended if using a chemical herbicide to avoid overspray onto plant materials. Any damage resulting from overspray is the applicator's responsibility to restore the plantings to the approved plans.

Plant Replacement:
Plant replacement shall be the same species and specification as the approved plan. 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 Consumers 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 specialty pavers and tree grates shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Section 23 14 13 Interlocking Concrete Pavers*, Part 3.05. If the pavers or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

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

Pavement restoration will be performed in accordance with the 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, replace 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.

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.

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

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.

Website: FDOT Outdoor Advertising Database
http://www2.dot.state.fl.us/rightofway/Default.aspx

Also, reference the Florida Highway Beautification Program website link for Vegetation Management at ODA signs for the Florida Statutes and Administrative Codes related to Vegetation Management at Outdoor Advertising Signs and Permit Applications for Vegetation Management and Outdoor Advertising Signs determining Mitigation Value of Roadside Vegetation.

Website: FDOT Environmental Management office for Landscape Architects
http://www.dot.state.fl.us/emo/beauty/FLA.shtm

II. Specific Project Site Maintenance Requirements and Recommendations:
The landscape design for the two median areas consists of limited sod, one tree, palms and shrubs. There are existing trees and palms that will remain as shown in the Landscape Plans. Currently these two medians do not have an irrigation system, and they vary in width from 24' to 49'. The irrigation design consists of a well and pump station located in one of the medians. The electrical power source for the pump station is located on the west edge of right of way.

The design is intended to be low maintenance and was reviewed with the Town of Davie. Sod wraps around the proposed shrub beds except in narrow areas of the medians. Four existing

Sabal Palms are located within a sight visibility line and will be removed as a part of this project. All shrubs within sight restricted areas will be maintained at a low height as shown in the typical median section detail in the plans and Index 546.

The majority of the plant material is native and low maintenance. The Sand Cordgrass will need to be severely cut back once every two to three years to generate regrowth. All other shrubs and vegetation will only be trimmed as needed to promote a uniform and healthy appearance. All areas outside of the medians are un-irrigated with no proposed landscaping.

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.

American National Standard Institute, *ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)*, available for purchase
http://www.treespecialists.com/pdfs/pruningstandards.pdf

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Stock*, available for purchase
http://www.doacs.state.fl.us/pi/plantinsp/publications.html

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/rd/RTDS/08/544.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/rd/RTDS/08/546.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/rd/RTDS/08/700.pdf

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. I Chapters 2.11.5, Horizontal Clearance to Trees; Table 2.11.9 Horizontal Clearance and Clear Zone; Figure 4.1.2 Clear Zone; and Table 25.4.11.1 Clear Zone Width (feet) and Table 25.4.14.6 (for existing) trees*
http://www.dot.state.fl.us/rddesign/PPMManual/2008/Volume1/zChap02.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/CurrentBK/CurrentSpecs/580.pdf

Florida Department of Transportation, *Maintenance Rating Program Handbook*
http://ombnet.dot.state.fl.us/procedures/bin/850065002.pdf

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

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

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

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

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

Florida Department of Community Affairs (FCA), *Florida Board of Building Codes & Standards, Florida Accessibility Code for Building Construction*
http://www.dca.state.fl.us/fbc/publications/1_publications.htm

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

Accessible Sidewalk Videos (ADA)
http://www.access-board.gov/news/sidewalk-videos.htm

SECTION Nos.:	**86100000, 86220000** **86190000, 86015000** **86080000, 86016000**
S.R. Nos.:	**7, 817, 823, 818, 848**
COUNTY:	**Broward**
FM Nos.:	**40843915401** **416553-1-58-01** **41323-1-52-02** **413796-1-52-01** **421672-1-52-01** **403698-1-72-01**
WPI Nos.	**4119110, 4119110,** **4119110, 4112014,** **4110571, 4111149,** **4110998**

EXHIBIT F

PENDING DEPARTMENT PROJECT(S) COST ESTIMATE

I. State Road 7 (US 441)

APPROXIMATE PROJECT COST: $212,895.00

II. State Road 817 (University Drive)

APPROXIMATE PROJECT COST: $90,000.00

See attached Estimates. Amounts are approximate

THIS IS AN EXHIBIT ONLY, NOT FOR EXECUTION

Pay Item No.	Construction Item	Units	Qty.	Unit Cost	Total Cost
570-1-2	Performance Turf (St. Augustine)	SY	5,200	$3.25	$16,900.00
SUBTOTAL					**$16,900.00**
Landscape Complete (Small Plants)					
580-1-1	Red Tip Cocoplum (Chryslobalanus Icaco)	EA	372	$10.00	$3,720.00
580-1-1	Firebush (Hamelia Patens)	EA	98	$8.00	$784.00
580-1-1	Saw Palmetto (Serenoa Repens)	EA	130	$60.00	$7,800.00
580-1-1	Green Island Ficus (Ficus Microcarpa)	EA	332	$12.00	$3,984.00
580-1-1	Fl. Gamma Grass (Tripsacum Floridana)	EA	409	$8.00	$3,272.00
580-1-1	Muhly Grass (Muhlenbergia Capillaris)	EA	70	$8.00	$560.00
	1" Layer Topsoil over all landscape areas	SY	6,200	$0.50	$3,100.00
SUBTOTAL					**$23,220.00**
Landscape Complete (Large Plants)					
580-1-2	S. Fl. Slash Pine (Pinus Elliotti Densa)	EA	47	$220.00	$10,340.00
580-1-2	Live Oak (Quercus virginiana)	EA	5	$750.00	$3,750.00
580-1-2	Cabbage Palm (Sabal Palmetto)	EA	15	$180.00	$2,700.00
SUBTOTAL					**$16,790.00**
590-70	Irrigation System	LS	1	$155,985.00	$155,985.00
SUBTOTAL					**$155,985.00**
TOTAL ESTIMATED CONSTRUCTION COST					**$212,895.00**
	FDOT Contribution:				$150,120.00
	Town of Davie Contribution:				$62,775.00

Opinion of Probable Construction Costs
S.R. 7 (U.S. Highway 441)
Median Landscape and Irrigation Plans
FPID No. 416876-1-52-01
Project Limits: From Orange Drive (Sta. 372+35) south to I-595 Overpass (Sta. 401+00)
Town of Davie, florida
Date: November 26, 2008

SR 817 UNIVERSITY DRIVE - Landscape & Irrigation Cost Estimate

FDOT FPI# 421672-1-52-01, Cotleur & Hearing Project# 08-0508 -TOWN OF DAVIE

LAST UPDATE: 3/25/2009

PAY ITEM NO.	SYM	DESCRIPTION	SIZE/REMARKS	UNIT	GRAND TOTAL PLAN	GRAND TOTAL FINAL	INSTALLED UNIT COST W/ MAINT.	SUB-T
570-1-2		PERFORMANCE SOD (ST. AUGUSTINE - FLORITAM)	SEE PAY ITEM NOTES, SHET LD-3	SY	2,392		$ 4.50	$ 10,
580-1-1		SMALL PLANTS	SEE PAY ITEM NOTES, SHET LD-3	LS	1			
	CI	Chrysobalanus icaco 'Red Tip' - Red Tip Cocoplum	#3 GAL, 1.5'x 1.5', 2.5' OC		298		$ 10.08	$ 3,
	CID	Chrysobalanus icaco 'Horizontalis' - Dwarf Cocoplum	#3 GAL, 1'x 1.5', 2' OC		366		$ 10.71	$ 3,
	EU	Euphorbia milii 'Rosy' (Pink) - Dwarf Crown of Thorns	#1 GAL, 8"x 8", 1.5' OC		338		$ 6.30	$ 2,
	HD	Hamelia patens 'Macrantha' - Dwarf Firebush	#3 GAL, 1.5'x 2', 2.5' OC		212		$ 10.71	$ 2,
	IV	Ilex vomitoria 'Stokes Dwarf' - Dwarf Yaupon Holly	#3 GAL, 1'x 1', 2' OC		277		$ 11.34	$ 3,
	JP	Juniperus parsonii - Parsons Juniper	#3 GAL, 1'x 1.5', 2' OC		211		$ 10.71	$ 2,
	SB	Spartina bakeri - Sand Cordgrass	#3 GAL, 1.5'x 1.5', 2' OC		125		$ 10.08	$ 1,
580-1-2		LARGE PLANTS	SEE PAY ITEM NOTES, SHET LD-3	LS	1			
	QV	Quercus virginiana - Live Oak	16'x 7', 4.5" CAL, FULL, 5' CT		1		$ 428.40	$
	SP	Sabal palmetto - Sabal Palmetto	10', 14', 20' CT, STGG, (1/3 ECH SIZE), SLICK, STRAIGHT TRUNK		9		$ 176.40	$ 1,
	SR	Serenoa repens - Saw Palmetto	#7 GAL, 2'x 2', 4' OC		236		$ 88.20	$ 20,
590-70		IRRIGATION SYSTEM	SEE PAY ITEM NOTES, SHET LD-3	LS	1			$ 25,
639-1-22		ELECTRICAL POWER SERVICE (U.G.)	SEE PAY ITEM NOTES, SHET LD-3	AS	1			$ 12,
					TOTAL LANDSCAPE AND IRRIGATION COST			$ 88,9
					TOTAL LANDSCAPE BUDGET			$ 90,0
					TOTAL AMOUNT OVER/UNDER BUDGET			$1,018

IRRIGATION SYSTEM COST ESTIMATE - Town of Davie

SR 817 University Drive

FDOT FPI# 421672-1-52-01, Cotleur & Hearing Project# 08-0508

March 25, 2009

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QTY	UNIT COST	SUB-TOTAL
590-70	**IRRIGATION SYSTEM**				
	Bubbler	EA	1	$ 7.50	$ 7.50
	RAINBIRD 1800 Series 6" Pop up heads	EA	66	$ 15.00	$ 990.00
	RAINBIRD 1800 Series 12" Pop up heads	EA	53	$ 22.00	$ 1,166.00
	HUNTER PGP Rotor Heads	EA	47	$ 28.00	$ 1,316.00
	HUNTER PGP Rotor on PVC Riser	EA	3	$ 30.25	$ 90.75
	IRRITROL 100 Series 1-1/2" Electric Valve with Actuators	EA	14	$ 285.00	$ 3,990.00
	2" Well and 2 HP Goulds Pump Station with Rain Sensor, Controller and (Optional) Rust Inhibitor System	EA	1	$ 3,000.00	$ 3,000.00
	PVC Sch. 160 Lateral Pipe	* LF	2743	$ 0.76	$ 2,084.68
	PVC Sch. 40, 2" Mainline	* LF	1345	$ 5.80	$ 7,801.00
	PVC Sch. 80 Sleeve & Installation	* LF	70	$ 9.25	$ 647.50
	Misc. Fittings, Permits & Contingency	LS	1	$ 2,200.00	$ 2,200.00
	Low Voltage Wire	* LF	6,200	$ 0.34	$ 2,108.00
				TOTAL IRRIGATION COST	**$ 25,401.43**

* PIPE & WIRE QUANTITIES BASED ON SCHEMATIC LAYOUT SHOWN IN THESE PLANS. ACTUAL QUANTITIES MAY VARY.