

# **TOWN OF DAVIE**

## **TOWN COUNCIL AGENDA REPORT**

**TO:** Mayor and Councilmembers

**FROM/PHONE:** Daniel J. Oyler, Acting Public Works Director

**PREPARED BY:** Daniel J. Oyler, Acting Public Works Director

**SUBJECT:** Resolution

**AFFECTED DISTRICT:** District 2

**TITLE OF AGENDA ITEM:** A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ENTER INTO A DEPARTMENT OF TRANSPORTATION DISTRICT FOUR (4) MAINTENANCE MEMORANDUM OF AGREEMENT (FM #413796-1-52-01) FOR TRAFFIC WAYS BEAUTIFICATION FOR UNIVERSITY DRIVE WITHIN THE TOWN OF DAVIE AND AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ACKNOWLEDGE SUCH APPROVAL BY AFFIXING THEIR SIGNATURES TO SUCH DOCUMENT

**REPORT IN BRIEF:** The Florida Department of Transportation is planning to install a new irrigation system in the medians of University Drive from Griffin Road south to the South Town limits at no cost to the Town. Upon completion and acceptance by the Town, the Town will assume the maintenance obligation.

**PREVIOUS ACTIONS:** None

**CONCURRENCES:** Public Works Department

**FISCAL IMPACT:** not applicable

Has request been budgeted? n/a

If yes, expected cost: \$

Account Name:

If no, amount needed: \$

What account will funds be appropriated from:

Additional Comments:

**RECOMMENDATION(S):** Approval of the Resolution

**Attachment(s):** Resolution, Agreement

RESOLUTION \_\_\_\_\_

A RESOLUTION OF THE TOWN OF DAVIE, FLORIDA, AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ENTER INTO A DEPARTMENT OF TRANSPORTATION DISTRICT FOUR (4) MAINTENANCE MEMORANDUM OF AGREEMENT (FM #413796-1-52-01) FOR TRAFFIC WAYS BEAUTIFICATION FOR UNIVERSITY DRIVE WITHIN THE TOWN OF DAVIE AND AUTHORIZING THE APPROPRIATE TOWN OFFICIALS TO ACKNOWLEDGE SUCH APPROVAL BY AFFIXING THEIR SIGNATURES TO SUCH DOCUMENT

WHEREAS, The Florida Department of Transportation, is providing a new irrigation system in the medians of University Drive at no cost to the Town of Davie, from Griffin Road south to the south Town limits; and

WHEREAS, the Town agrees to maintain such irrigation system upon the completion as per the attached District Four (4) Maintenance Memorandum of Agreement; and

WHEREAS, the Town desires to authorize the execution of the District Four (4) Maintenance Memorandum of Agreement with the State of Florida Department of Transportation; and

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

SECTION 1. The Town Council of the Town of Davie authorizes the appropriate Town Officials to execute the agreements with the Florida Department of Transportation. A copy of the agreement if attached as Exhibit "A".

SECTION 2. This resolution shall take effect immediately upon its passage and adoption.

PASSED AND ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2007.

—

\_\_\_\_\_  
MAYOR/COUNCILMEMBER

ATTEST:

\_\_\_\_\_  
TOWN CLERK

APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2007

SECTION NO.: 86220-  
FM NO.(s): 413796-1-52-01  
COUNTY: Broward County  
S.R. NO.: 817

**DISTRICT FOUR (4)  
MAINTENANCE MEMORANDUM OF 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, a political subdivision of the State of Florida, existing under the Laws of Florida, hereinafter called the **AGENCY**.

**WITNESSETH:**

**WHEREAS**, the **DEPARTMENT** has jurisdiction over **State Road 817** as part of the State Highway System; 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 facility as described in Exhibit A attached hereto and incorporated by reference herein, within the corporate limits (or unincorporated if County) of the **AGENCY**; and

**WHEREAS**, the **AGENCY** is of the opinion that said highway facilities that contain landscape medians and areas outside the travel way to the right of way line, excluding standard concrete sidewalk, shall be maintained by periodic trimming, cutting, weeding, mowing, fertilizing, litter pick-up, necessary replanting, irrigation repairs, and median concrete replacements as needed; 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 **DEPARTMENT** hereby agrees to install or cause to be installed landscape, 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 Exhibit B. If there are any major changes to the plans, the Department shall provide the modified plans

and the AGENCY shall provide their approval or disapproval within 10 business days. The Department may elect to withdraw the landscape if changes are not approved within the given time frame. Hardscape shall mean any non-standard roadway, sidewalk or median surface such as, but not limited to interlocking concrete or brick pavers, stamped asphalt and stamped concrete.

2. The AGENCY agrees to maintain the landscape and irrigation within the medians and areas outside the travel way to the right of way line by periodic trimming, cutting, mowing, fertilizing, curb and sidewalk edging, litter pickup and necessary replanting, following the DEPARTMENT'S landscape safety and plant care guidelines and as provided by Exhibit D. The AGENCY'S responsibility for maintenance shall include all landscaped/turfed areas and areas covered with interlocking pavers or similar type surfacing (hardscape) within the median and areas within the travel way to the right of way line, including paver sidewalks, paver intersections and all paver header curbs, stamped asphalt and concrete areas. It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway caused by the differential characteristics of the paver brick and/or the header curb on Department of Transportation right-of-way within the limits of the Project.

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 plant beds; to keep the premises free of weeds; to mow and/or cut the grass to a proper length; to properly prune all plants which includes: (1) removing dead or diseased parts of plants, or (2) pruning such parts thereof which present a visual hazard for those using the roadway. To maintain also means removing or replacing dead or diseased plants in their entirety, or removing or replacing those that fall below original Project standards. All plants removed for whatever reason shall be replaced by plants of the same size and grade as specified in the original plans and specifications. To maintain also means to keep the hardscape areas free from weeds and replacement of any areas becoming in disrepair so as to cause a safety hazard. To maintain also means to keep litter removed from the median and areas outside the travel way to the right of way line. Plants shall be those items which would be scientifically classified as plants and include but are not limited to trees, grass, or shrubs.

If it becomes necessary to provide utilities to the median or side areas (water/electricity) for these improvements, all costs associated with irrigation maintenance, impact fees and connections as well as on-going cost of water are the maintaining AGENCY'S responsibility.

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.

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3. If at any time after the **AGENCY** has assumed the landscape installation and/or maintenance responsibility above-mentioned, it shall come to the attention of the **DEPARTMENT'S** District Secretary that the limits or a part thereof is not properly maintained pursuant to the terms of this Agreement, said District Secretary may at his option issue a written notice that a deficiency or deficiencies exist(s), by sending a certified letter to the **AGENCY**, to place said **AGENCY** on notice thereof. Thereafter the **AGENCY** shall have a period of thirty (30) calendar days within which to correct the cited deficiencies. If said deficiencies are not corrected within this time period, the **DEPARTMENT** may at its option, proceed as follows:
  - (a) Maintain the landscape or a part thereof, with **DEPARTMENT** or contractor's personnel and invoice the **AGENCY** for expenses incurred, or
  - (b) Terminate the Agreement in accordance with Paragraph 7 of this Agreement and remove, by **DEPARTMENT** or contractor's personnel, all of the landscape/hardscape installed under this Agreement or any preceding agreements except as to trees and palms and charge the **AGENCY** the reasonable cost of such removal.
4. It is understood between the parties hereto that the landscape covered by this Agreement may be removed, relocated or adjusted at any time in the future as determined to be necessary by the **DEPARTMENT** in order that the adjacent state road be widened, altered or otherwise changed to meet with future criteria or planning of the **DEPARTMENT**. The **AGENCY** shall be given sixty (60) calendar days notice to remove said landscape 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.
5. The **DEPARTMENT** agrees to enter into a contract for the installation of landscape Project for an amount not to exceed \$276,666.00 as defined in Exhibit C.

The **DEPARTMENT'S** participation in the Project cost, as described in Exhibit C is limited to only those items which are directly related to this Project. The **AGENCY** shall be invited to assist the **DEPARTMENT** in final inspection at the end of the contractor's 365 day warranty and establishment period.
6. The **AGENCY** agrees to reimburse the **DEPARTMENT** all monies expended for the Project, should the landscape/hardscape areas fail to be maintained in accordance with the terms and conditions of this Agreement.
7. This Agreement may be terminated under any one (1) of the following conditions:
  - (a) By the **DEPARTMENT**, if the **AGENCY** fails to perform its duties under Paragraph 3, following ten (10) days written notice.

- (b) By the **DEPARTMENT**, for refusal by the **AGENCY** to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the **AGENCY** in conjunction with this Agreement.
8. The term of this Agreement commences upon execution.
9. To the extent permitted by law, the **AGENCY** shall indemnify and hold harmless the **DEPARTMENT**, its officers and employees from all suits, actions, claims and liability arising out of the **AGENCY'S** negligent performance of the work under this agreement, or due to the failure of the **AGENCY** to maintain the Project in conformance with the standards described in Section 2 of this Agreement.
10. The **AGENCY** may construct additional landscape/hardscape 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/hardscape 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) All landscape shall be developed and implemented in accordance with appropriate state safety and road design standards;
  - (c) The **AGENCY** agrees to comply with the requirements of this Agreement with regard to any additional landscape installed;
  - (d) No change will be made in the payment terms established under item number five (5) of this Agreement due to any increase in cost to the **DEPARTMENT** resulting from the installation of landscape added under this paragraph.
11. 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.
12. The **DEPARTMENT**, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The **DEPARTMENT** shall require a statement from the Comptroller of the **DEPARTMENT** that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the **DEPARTMENT** which are for an amount in excess of TWENTY FIVE THOUSAND

DOLLARS (\$25,000.00) and which have a term for a period of more than 1 year.

- 13. 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.
- 14. This Agreement may not be assigned or transferred by the **AGENCY** in whole or part without the consent of the **DEPARTMENT**.
- 15. 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.
- 16. Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses:

If to the Department:  
 State of Florida Department of Transportation  
 3400 West Commercial Blvd.  
 Ft. Lauderdale, FL 33309-3421  
 Attention: Elisabeth A. Hassett, R.L.A.  
 FDOT District IV Landscape Architect

If to the Agency:  
 Town of Davie  
 6591 Orange Drive  
 Davie, Florida 33314  
 Attention: Jack Martin  
 Asst. Public Works Manager

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

AGENCY

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_  
 Chairperson

By: \_\_\_\_\_  
 Transportation Development Director      Date

Attest: \_\_\_\_\_ (SEAL)  
 Clerk

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

Approval as to Form      Date

Approval as to Form      Date

\_\_\_\_\_

\_\_\_\_\_



**SECTION NO.:** 86220  
**FM NO.(s):** 413796-1-52-01  
**COUNTY:** Broward  
**S.R. NO.:** 817

**EXHIBIT B**

**PROJECT PLANS**

The Department agrees to install the Project with a contractor in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by \_Land Design South

Dated \_\_\_\_6-21-06\_\_\_\_\_.

**SECTION NO.:** 86220  
**FM NO.(s):** 413796-1-52-01  
**COUNTY:** Broward  
**S.R. NO.:** 817

## **EXHIBIT C**

### **PROJECT COST**

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

Dated September 5, 2006 \_\_\_\_\_

I. **APPROXIMATE PROJECT COST:**      \$ 276,666.00

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**Opinion of Construction Cost - Irrigation System  
SR 817 / University Drive  
FPID: 413796-1-52-01**

Date: September 1, 2006  
Revised: N/A

Maintaining Authority: City of Pembroke Pines  
Station: 1147+00 to 1225+00  
Length (miles): 1.48

Pay Item	Item	Description	Unit	Qty.	Unit Price	Total
	Main Line	2 1/2"	Ea	4200	\$4.00	\$16,800.00
	Brass GV	2 1/2"	Ea	6	\$400.00	\$2,400.00
	RCV	2"	Ea	13	\$600.00	\$7,800.00
	Spray Heads	6", 12" and Risers	Ea	448	\$50.00	\$22,400.00
	Pump Station/Wet Well	w/ Controller	Ea	3	#####	\$60,000.00
	Electrical Drop		Ea	3	\$2,500.00	\$7,500.00
	Cut and Patch Sleeving	6" Sch 40 PVC	LF	725	\$18.00	\$13,050.00
	<b>Sub Total</b>					\$129,950.00
	<b>Profit/Overhead</b>					\$25,990.00
590-70	<b>Total</b>		LS			<b>\$168,990.00</b>

Maintaining Authority: Town of Davie  
Station: 10+00 to 133+20  
Length (miles): 2.33

Pay Item	Item	Description	Unit	Qty.	Unit Price	Total
	Main Line	4"	Ea	8530	\$6.50	\$55,445.00
	Brass GV	4"	Ea	8	\$500.00	\$4,000.00
	RCV	2"	Ea	27	\$600.00	\$16,200.00
	Spray Heads	6", 12" and Risers	Ea	1206	\$50.00	\$60,300.00
	Pump Station/Well	w/ Controller	Ea	3	#####	\$54,000.00
	Electrical Drop		Ea	3	\$2,500.00	\$7,500.00
	Cut and Patch Sleeving	8" Sch 40 PVC	LF	1656	\$20.00	\$33,110.00
	<b>Sub Total</b>					\$230,555.00
	<b>Profit/Overhead</b>					\$46,111.00
590-70	<b>Total</b>		LS	1		<b>\$276,666.00</b>

City of Pembroke Pines Total	\$168,990.00
Town of Davie Total	\$276,666.00
<b>Grand Total</b>	<b>\$445,656.00</b>



**Power Requirements -**  
**Please Forward to Design Professional or Your Customer**

**DATE:** June 19, 2006  
**TO:** Todd Mohler, Masuen Consulting LLC  
**FROM:** Martha Tigner, Hoover Pumping Systems  
**RE:** FDOT University Drive Pump System Electrical Service PN#7940

Thank you for selecting Hoover Pumping Systems to provide the packaged pump system for this project.

***The following design information should be given to the engineering professional responsible for the design of the electrical supply to the pump system.***

The system will be manufactured based on one of the following electrical configurations:

Voltage	Phase	Hertz	Panel Connections
208	1	60	4 Wires (A, B, Neutral, Ground)
230	1	60	4 Wires (A, B, Neutral, Ground)
208	3	60	5 Wires (A, B, C, Neutral, Ground)
230	3	60	5 Wires (A, B, C, Neutral, Ground)
460	3	60	4 Wires (A, B, C, Ground)

Note: Three phase power is required for systems over 10 horsepower.

The Hoover Pumping Systems pump system is supplied with an Underwriters Laboratory® (UL®) listed enclosed Industrial Control Panel assembly. The Control Panel assembly contains all of the pump system controls, a main disconnect, and a ground connection. A separate service disconnect is required.

The **minimum** labeled wire size connection to the panel as required by UL® will be provided to our customer upon confirmation of the system voltage and phase. Note that **larger** wires may be required to limit voltage drop. Our recommendation, for best operation, is to size conductors for **no more than 3% voltage drop**<sup>1</sup> at panel listed full load amperes.

The pump station will include the following pump motor loads:

Pump Name	Horsepower	N.E.C. FLA <sup>2</sup>	Service Factor
Pump#1	5	Based on voltage/phase	1.15
Control Panel	N/A	4	N/A

The data here may be used for selection of appropriate electrical supply equipment, including feeder, branch circuit protection, and disconnects.

Please contact Hoover Pumping Systems at (954) 971-7350 for assistance with voltage drop or other application considerations. Thank you.

<sup>1</sup> ref. NFPA 70 - National Electrical Code (N.E.C.) 210.19(A) FPN No. 4, 215.2 FPN No. 2

<sup>2</sup> Pump motor Full Load Amps (FLA) per N.E.C. tables 430-148 & 430-150

**FPL COORDINATION FOR IRRIGATION PUMP STATIONS  
SR 817 (UNIVERSITY DRIVE)  
FPID #413796-1-52-01**

*ALL STATIONS/OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION OF  
SR 817 PER THE ATTACHED PLANS. 230V 3 PHASE POWER IS REQUESTED AT  
ALL LOCATIONS.*

**CITY OF PEMBROKE PINES MAINTAINING AUTHORITY**  
(We are aware that power is not available on the canal side of SR 817 and so will need  
your input to identify the best available option.)

SHEET LD-08  
STA 1156 + 20.00 RT 62.00

SHEET LD-12  
STA 1181 + 74.50 RT 56.00

SHEET LD-17  
STA 1208 + 55.00 RT 30.00

**TOWN OF DAVIE MAINTAINING AUTHORITY**

SHEET LD-24  
STA 29 + 88.00 RT 74.00

SHEET LD-32  
THERE IS AN EXISTING SERVICE AT THIS LOCATION.  
STA 74 + 72.00 RT 90.00

SHEET LD-40  
STA 121 + 63.00 LT 79.00

**TECHNICAL SPECIAL PROVISIONS**

**FOR**

**SECTION 590**

**IRRIGATION INSTALLATION**

**Broward County**

**Financial Project ID 413796-1-52-01**

**SR 817**

**From South of SR 820 (Pines Blvd) to South of SR 818 (Griffin Rd)**

Prepared By: Robert Bentz, RLA  
R.L.A. No.: 997

Date: April 25, 2006

The following Technical Special Provisions are added to the FDOT Standard Specifications for Road and Bridge Construction, 2004, as amended.

The Following new Section is added after Section 580

**SECTION 580-4.5**  
**IRRIGATION INSTALLATION**

Contractor shall refer to the plan to coordinate sprinkler and pipe locations. All irrigated areas shall provide 100% head to head irrigation coverage from a fully automatic irrigation system with a rain sensor. The rain sensor shall be installed to prevent activation of rain sensor by adjacent heads. The rain sensor shall be installed to prevent activation of rain sensor by adjacent heads. All watering procedures shall conform to local codes, as well as this project's regional Water Management District restrictions and regulations. Zones are prioritized first by public safety and then by hydraulic concerns. The sequencing will be a mandatory punch list item.

This system has been designed to conform to the requirements of all applicable codes. It is the responsibility of the owner/installation contractor to insure the entire system is installed according to all applicable laws, rules, regulations and conventions, including The South Florida Water Management District restrictions and regulations. These plans have been designed to satisfy/exceed the Florida Building Code (FBC) Appendix F and the Florida Irrigation Society Standards and Specifications for Turf and Landscape Irrigation Systems. The Irrigation contractor is responsible for obtaining all required permits according to federal, state and local laws.

**590-1 Description**

The provisions specified in this section consists of furnishing all components necessary for the installation, testing and delivery of a complete, fully functional, automatic landscape irrigation system that complies with all applicable laws, regulations, codes, and ordinances. This work shall include, but not be limited to, the providing of all required material (pipe, valves, fittings, controllers, wire, primer, glue, etc.), layout, protection to the public, excavation, assembly, installation, back filling, compaction, repair of road surfaces, controller and low voltage feeds to valves, cleanup, maintenance, guarantee and as-built plans. All materials and equipment shall be new, unused and shall be installed per plans, details, specifications, and manufacturers instructions. All irrigation material and equipment shall be subject to inspection after delivery and no broken, cracked, misshapen, or otherwise damaged or unsatisfactory products shall be used.

The contractor shall verify all underground utilities 72 hours prior to commencement of work. The irrigation contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves and

laterals through walls, under roadways and paving, etc. The contractor shall take immediate steps to repair, replace, or restore all services to any utilities that are disrupted due to his operations. All costs involved in disruption of service and repairs due to negligence on the part of the contractor shall be his responsibility.

**590-2 Point of Connection.**

The P.O.C. for the City of Pembroke Pines system is a proposed Hoover pump station with well supply capable of delivering a minimum of 100 GPM at 220 TDH.

The P.O.C. for the Town of Davie system is a proposed pump station with well supply capable of delivering a minimum of 100 GPM at 220 TDH.

Contractor to verify these minimum conditions can be met prior to the beginning of installation. If the conditions cannot be met, the contractor must notify the designer prior to proceeding with the work. If the contractor does not do so, he proceeds at his own risk and becomes responsible for any future work required to make the system perform as required.

**590-3 Materials**

**590-3.1. Pipe:** Pipe locations shown on the plan are schematic and shall be adjusted in the field. When laying out mains and laterals, locate pipe near edges of pavement or against buildings whenever possible to allow space for plant root balls. Pipes are to always be placed in planting beds. If it is necessary to have piping under hardscapes, such as roads, walks and patios, the pipes must be sleeved using Sch 40 PVC with the sleeve diameter being at least twice the size of the pipe it is carrying. Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of rejection.

**590-3.1.1 Mainline:** Mainline shall be SCH 40 gasketed PVC pipe with Sch 40 gasketed PVC fittings (sized per plans). Contractor to ensure all mainline piping is properly restrained using mechanical joint fittings, restraining collars, threaded rods, thrust blocks, etc. as, and where, required. Contractor shall refer to pipe manufacturers recommended installation practices for further direction.

**590-3.1.2. PVC Pipe Joint Compound And Primer:** Pipe joint compound and primer shall be slow drying, heavy-duty cement and tinted (purple) primer that is compatible with the cement. The PVC cement shall be heavy body, slow drying, grey and the primer shall be purple primer.

**590-3.1.3. Valves:** The remote control valves shall be heavy-duty, commercial/light commercial glass-reinforced nylon, stainless steel and brass constructed globe valve with a 200 psi rating, manual internal bleed, manual external bleed, and flow control. Sequence all valves so that the farthest valve from the P.O.C. operates first and the closest to the P.O.C. operates last. The closest valve to the P.O.C. should be the last valve in the programmed sequence. All valves are to be placed in valve boxes. Valve boxes must be placed a minimum 12" and a maximum of 15" from the edge of pavement, curbs, etc. and the top of the box must be 2" above finish grade. No valve boxes shall be installed in turf beds without approval by the Engineer, only in shrub

beds. Using 3" high number stencils paint the valve number in white on the lid of each valve box.

**590-3.1.4. Wiring:** Electrical supply is to be provided by Irrigation contractor. Contractor to coordinate with local utilities for the installation of, and connection to, site available power supply's for required electrical components as set for the in the irrigation plans. All electrical to comply with the National Electrical Code and any, and all, other applicable codes, laws, and regulations. A licensed electrician shall perform all electrical hook-ups. Power for the controller shall be 120 volt, 20 amp.

Irrigation control wire shall be thermoplastic solid copper, single conductor, low voltage irrigation controller wire, suitable for direct burial and continuous operation at rated voltages. Tape and bundle control wires every 10' and run alongside the mainline. At all turns in direction make a 2' coil of wire. At all valve boxes coil wire around a ¼" piece of PVC pipe to make a coil using 30 linear inches of wire. Make electrical connections with 3M-DBY connectors. Number all wires, using an electrical book of numbers, according to the plans. Number wires in all valve boxes, junction boxes and at the controller. Wire shall be sized, numbered and colored as follows: #10 White for Common, #10 Red for Hot Wires, #10 Yellow for spares (provide 1 spare for every 10 hot wires- minimum of 2 extra) Run spare wires to the last valve in each direction.

**590-3.1.5 Controller grounding:** Contractor to utilize 4"x8"x5/8" copper grounding plates, 5/8"x8"x10' copper clad grounding rods, 'One Strike' CAD welds at all connection points, #6 bare copper wire, and earth contact material. Install these and other required components as outlined in the detail. Contractor to verify that the earth to ground resistance does not exceed 10 ohms. Contractor shall provide written certification, on a licensed electrical contractors letter head, showing the date of the tes, controller location, and test results. Each controller shall be so grounded and tested.

**590-3.1.6 Pump Station, Well and Chemical Injection System (Pembroke Pines):** Contractor to provide a complete fiberglass enclosed, clock start, pump system. The model# is HSF-7.5CS-230/3,A,E-32,W as manufactured by Hoover Pumping Systems of Pompano Beach, FL (954-971-7350) and shown on the irrigation detail sheet. The contractor shall submit (7) copies of complete shop drawings, with cut sheets, for all major system components for approval by the project engineer prior to order placement.

**590-3.1.7 Pump Station, Well and Chemical Injection System (Davie):** Contractor to provide a complete fiberglass enclosed, clock start, pump system as shown on the irrigation detail sheet. The contractor shall submit (7) copies of complete shop drawings, with cut sheets, for all major system components for approval by the project engineer prior to order placement.

#### **590-4 Installation Requirements**

**590-4.1 Layout:** Pipe locations shown on the plan are schematic and shall be adjusted in the field. Lay out irrigation system main lines and lateral lines. When laying out mainlines place a maximum of 18" away from either the back of curb, front of walk, back of walk, or other hardscape to allow for ease in locating and protection from physical damage. Install all lateral pipe near edges of pavement or against buildings whenever possible to allow space for plant

root balls. Make the necessary adjustments as required to take into account all site obstructions and limitations prior to excavating trenches.

Stake all sprinkler head locations. Adjust location and make the necessary modifications to nozzle types, etc. required to insure 100% head to head coverage. Refer to the Edge of Pavement Detail on the Irrigation Detail Sheet. Spray heads shall be installed 4" from sidewalks or curbed roadways, and 12" from uncurbed roadways and building foundations. Rotors shall be installed 4" from sidewalks or curbed roadways, 12" from building foundations, and 36" from uncurbed roadways. Shrub heads shall be installed on ¾" Sch 40 PVC risers. The risers shall be set at a minimum of 18" off sidewalks, roadway curbing, building foundations, and /or any other hardscaped areas. Shrub heads shall be installed to a standard height of 4" below maintained height of plants and shall be installed within planted masses to be less visible and offer protection. Paint all shrub risers with flat black or forest green paint, unless irrigation system will be installed from a reuse water system with purple PVC risers.

Bubblers shall be installed using Sch 80 nipples and shall be placed at the base of trees for low level watering.

All pop-up heads and shrub risers shall be pressure-compensating. All pop-up heads shall be mounted on flex-type swing joints.

Locate valves prior to excavation. Insure that their location provides for easy access, and that there are no interferences with physical structures, plants, trees, poles, etc. Valve boxes must be a minimum of 12" and a maximum of 15" from the edge of the pavement, curbs, etc. and the top of the box must be 2" above finish grade. No valve boxes shall be installed in turf areas without approval by the irrigation designer – only in shrub beds.

**590-4.2 Trenching:** Excavate straight and vertical trenches with smooth, flat or sloping bottoms. Trench width and depth should be sufficient to allow for the proper vertical and horizontal separation between piping as shown in the pipe installation detail on the detail sheet.

Protect existing landscaped areas. Remove and replant any damaged plant material upon job completion. The replacement material shall be of the same genus and species and of the size of the material it is replacing. The final determination as to what need to be replaced and the acceptability of the replacement material shall be determined by the Engineer.

**590-4.3 Pipe Installation:** Cut all piping square and de-burr. Clean pipe and fittings of foreign material. Apply a small amount of primer while ensuring that any excess is wiped off immediately. Primer should not puddle, or drip, from pipe or fittings. Next apply a thin coat of PVC cement. First apply a thin layer to the pipe, next a thin layer inside the fitting, and finally another very thin layer on the pipe. Insert the pipe into the fitting; insure that the pipe is inserted to the bottom of the fitting, then turn the pipe a ¼ turn and hold for 10 seconds. Make sure that the pipe doesn't recede from the fitting. If the pipe isn't at the bottom of the fitting upon completion, the glue joint is unacceptable and must be discarded. Pipes must cure a minimum of 30 minutes prior to handling and placing into trenches. A longer curing time may be required. Refer to the manufacturers specifications. The pipe must cure a minimum of 24 hours prior to filling with water.

**590-4.4 Backfill:** Pipe shall be installed so the following minimum back fill depths are maintained: mainline pipe depth measured to the top of the pipe shall be 36" minimum including

at vehicular crossings; lateral line depths shall be measured to the top of the pipe: ¾"-3" PVC at 18" minimum with a 30" minimum at vehicular crossings and for 4" PVC a 24" minimum with a 30" minimum at vehicular crossings.

Back fill shall be of suitable material free of rocks, stones, or other debris that is larger than ½" in diameter. Compact all trenches to conform to T99 proctor at 95% or any Standards applicable for Roadway Construction.

**590-4.5 Flushing:** Prior to the placement of heads, flush all lines for a minimum of 10 minutes or until lines are completely clean of debris, whichever is longer. Flush all lines. Use screens in all heads and adjust heads for proper coverage, avoiding excess water on walls, walks and paving.

**590-4.6 Testing:** Remove all remote control valves and cap using a threaded cap. Fill mainline with water and pressurize the system to 125 PSI. Monitor the system pressure at two gauge locations. The gauge locations must be at opposite ends of the mainline. Both gauges can start with a different pressure reading, but they must end with the same respective pressures. Monitor the gauges for two hours. There can be no loss in pressure at either gauge. If a loss of pressure occurs, find the leak; repair it; wait 24 hours and retry the test. This procedure must be followed until the mainline passes the test. The lateral lines must be filled and visually checked for leaks. Any leaks detected must be repaired. No pressure test of the lateral lines is required. Once the mainline and lateral lines have passed their respective tests, and the system is completely operational, a coverage test and demonstration of the system is required. The irrigation contractor must demonstrate to the Engineer that proper coverage is obtained and that the system works automatically from the controller. This demonstration requires that each zone is turned on, in the proper sequence as shown on the plans, from the controller. Each zone will be inspected for proper coverage and function. The determination of proper coverage and function is at the sole discretion of the Engineer.

**590-4.6.1 Operational testing** - Upon completion of back filling, finish grading and contouring, test the entire system for proper operation, including electrically actuating the remote control valves. Run each zone until water begins to puddle or run off. This will allow you to determine the initial controller run times to determine the number of irrigation start times necessary to meet the weekly evapotranspiration requirements of the planting material in each zone. In sandy soils no puddling will occur, instead, calculate the required run times.

**590-4.7 Submittals:** The contractor must submit, for approval prior to installation, copies of the manufacturer's cut sheets/specifications, for all components to be used in the irrigation system. After project completion, and as a condition of final acceptance, the irrigation contractor shall provide the Engineer with a high-quality, accurate, and legible, set of as-built drawings.

The as-builts must identify all remote control valves, gate valves, ball valves, splice boxes, controllers, mainline, sleeving, and low voltage wiring. To locate each item two dimensions, from fixed objects of a permanent nature, must be taken and noted on the as-builts. The irrigation contractor must also provide accurate, informative, and easy to follow and understand, operation and maintenance manuals for all components of the irrigation system.

**590-4.7.1 Controller charts:** Upon completion of 'as-builts' prepare controller charts, one per controller. Indicate on each chart the area controlled by a remote control valve (using a different color for each zone). This chart shall be reduced to a size that will fit inside of the

controller door. The reduction shall be hermetically sealed inside two 2 ml pieces of clear plastic.

**590-5 N/A**

**590-6 Contractor's Warranty:**

Contractor shall assume responsibility for material and workmanship for a period of one year after the final acceptance of all work under the Contract in accordance with 5-1.1. At the end of the one-year warranty period, the Engineer will release the Contractor from further warranty work and responsibility, provided all previous warranty and remedial work, if any, has been completed.

**590-7 Method of Measurement**

The quantities to be paid for will be the items shown in the plans, completed and accepted.

**590-8 Basis of Payment**

The quantity, determined as provided above, shall be paid for at the contract unit price per lump sum for at the contract unit price per 1 irrigation system, which price and payment shall be full compensation for all the work specified in this Section.

Payment shall be made under:

Item No. 2590-70      Irrigation System, per Lump Sum

SECTION NO.: 86220  
FM NO.(s): 4137961-1-52-01  
COUNTY: Broward  
S.R. NO.: 817

**EXHIBIT D**  
**MAINTENANCE PLAN**

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

Dated: September 13, 2006

**SR 817- Broward County**  
**Landscape and Irrigation Plans**  
**FPID: 413796-1-52-01**

**MAINTENANCE PLAN**

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 Dated 2006 and Standard Specifications for Road and Bridge Construction dated 2004, as amended by contract documents.

**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 city should maintain rain sensors to be installed on the 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 good 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. 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.

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. Keep visibility windows 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 during.

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.

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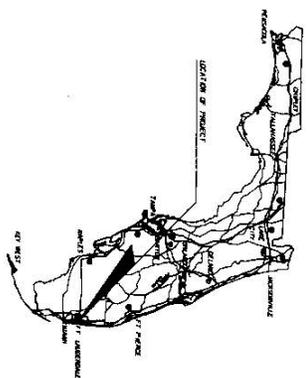
STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 413796-1-52-01  
(FEDERAL FUNDS)  
BROWARD COUNTY (86220)  
STATE ROAD NO. 817

LANDSCAPE PLANS

- INDEX OF LANDSCAPE PLANS
- LD-01 RSI SHEET
  - LD-02 FABULATION OF QUANTITIES AND IRRIGATION DETAILS
  - LD-03 SHEET LANDSCAPE
  - LD-04 SHEET LANDSCAPE
  - LD-05 - LD-12 IRRIGATION PLAN



LANDSCAPE SERVICES  
KIM A. SMITH, P.E.  
100 EAST PALMETTO PARK ROAD, SUITE 400  
DADE COUNTY, FL 33126  
561-352-5044

PLANS PREPARED BY:

LAND DESIGN SOUTH  
2701 CENTERVIEW WEST DR.  
SUITE 100  
MIRAGE PALMS  
DADE COUNTY, FL 33149  
PH: 305-410-1100  
WWW.LANDDESIGNSOUTH.COM

CONTRACT STANDARDS AND SPECIFICATIONS:  
DESIGN STANDARDS (SHEET 200), MATERIALS AND CONSTRUCTION STANDARDS (SHEET 300) AND AS NOTED BY CONTRACT DOCUMENTS.

NOTES:

DATE	BY	DESCRIPTION

LANDSCAPE ARCHITECT  
KIMBERLY A. SMITH, P.E.

PROJECT MANAGER: PASTOR A. GOMEZ, P.E.

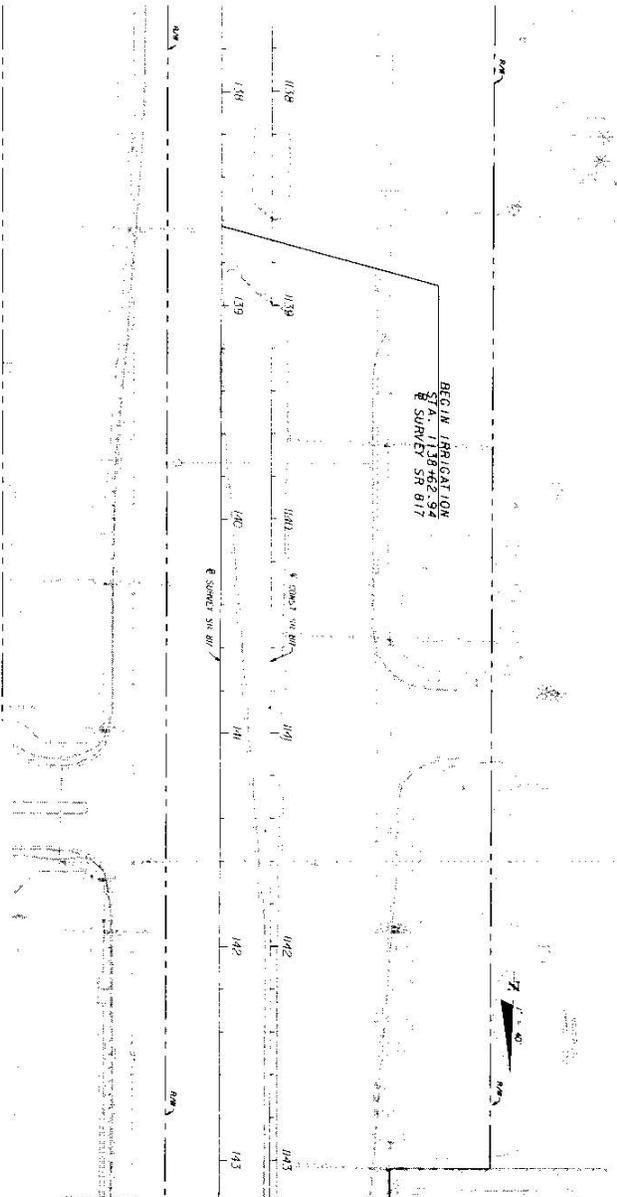
DATE	BY	DESCRIPTION
08	1	



REVISIONS DATE 8/25/2012 DATE 8/25/2012 DATE 8/25/2012	T. AND D. S. AND CHIT. OF AUTH. * OORVORS	DEPARTMENT OF TRANSPORTATION FEDERAL PROJECT # 4/3796-1-82-01	IRRIGATION DETAILS SHEET NO. LD-03
<p>6. TOP-UP SCREEN HEAD</p>	<p>SILT TANK</p>	<p>FLOAT CONTROL VALVE</p>	<p>GATE VALVE</p>
<p>THRUST BLOCK</p>	<p>PIPE &amp; WIRE TRENCHING</p>	<p>MAINLINE AND LATERAL PIPING</p>	<p>GATE VALVE</p>



MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES



IRRIGATION LEGEND	
	VALVE
	GATE
	ELECTRIC CONTROL VALVE
	PIPE
	LATERAL PIPE
	MAIN PIPE
	VALVE BOX
	GATE BOX
	ELECTRIC CONTROL VALVE BOX
	PIPE BOX
	LATERAL PIPE BOX
	MAIN PIPE BOX
	VALVE BOX WITH VALVE
	GATE BOX WITH GATE
	ELECTRIC CONTROL VALVE BOX WITH VALVE
	PIPE BOX WITH VALVE
	LATERAL PIPE BOX WITH VALVE
	MAIN PIPE BOX WITH VALVE
	VALVE BOX WITH GATE
	GATE BOX WITH GATE
	ELECTRIC CONTROL VALVE BOX WITH GATE
	PIPE BOX WITH GATE
	LATERAL PIPE BOX WITH GATE
	MAIN PIPE BOX WITH GATE
	VALVE BOX WITH ELECTRIC CONTROL VALVE
	GATE BOX WITH ELECTRIC CONTROL VALVE
	ELECTRIC CONTROL VALVE BOX WITH ELECTRIC CONTROL VALVE
	PIPE BOX WITH ELECTRIC CONTROL VALVE
	LATERAL PIPE BOX WITH ELECTRIC CONTROL VALVE
	MAIN PIPE BOX WITH ELECTRIC CONTROL VALVE
	VALVE BOX WITH GATE AND VALVE
	GATE BOX WITH GATE AND VALVE
	ELECTRIC CONTROL VALVE BOX WITH GATE AND VALVE
	PIPE BOX WITH GATE AND VALVE
	LATERAL PIPE BOX WITH GATE AND VALVE
	MAIN PIPE BOX WITH GATE AND VALVE
	VALVE BOX WITH GATE AND ELECTRIC CONTROL VALVE
	GATE BOX WITH GATE AND ELECTRIC CONTROL VALVE
	ELECTRIC CONTROL VALVE BOX WITH GATE AND ELECTRIC CONTROL VALVE
	PIPE BOX WITH GATE AND ELECTRIC CONTROL VALVE
	LATERAL PIPE BOX WITH GATE AND ELECTRIC CONTROL VALVE
	MAIN PIPE BOX WITH GATE AND ELECTRIC CONTROL VALVE

DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS
LAND SURVEYING SURVEYING CERT. OF AUTH. # 000005					
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BUREAU OF LAND SURVEYING 41798-1-58-01			PROJECT NO. BROWARD 41798-1-58-01		
<b>IRRIGATION PLAN</b>					
SHEET NO.					LD-05

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER FILE 666-23203, P.32.

MATCH LINE STA. 143+20.00

MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES



MATCH LINE STA. 148+80.00

IRRIGATION LEGEND	
	VALVE VALVE SIZE IN INCH STATION, INCH & FEET
	CONTROL VALVE ELECTRIC CONTROL VALVE
	GATE VALVE
	STATION CLASS OF PNEUMATICS
	MAINLINE CLASS OF PNEUMATICS
	SUBMAIN CLASS OF PNEUMATICS
	LATERAL CLASS OF PNEUMATICS
	WHEEL LINE CLASS OF PNEUMATICS
	WHEEL HEAD CLASS OF PNEUMATICS
	WHEEL VALVE CLASS OF PNEUMATICS
	WHEEL CONTROL VALVE CLASS OF PNEUMATICS
	WHEEL GATE VALVE CLASS OF PNEUMATICS
	WHEEL STATION CLASS OF PNEUMATICS
	WHEEL CONTROL VALVE CLASS OF PNEUMATICS
	WHEEL GATE VALVE CLASS OF PNEUMATICS
	WHEEL STATION CLASS OF PNEUMATICS

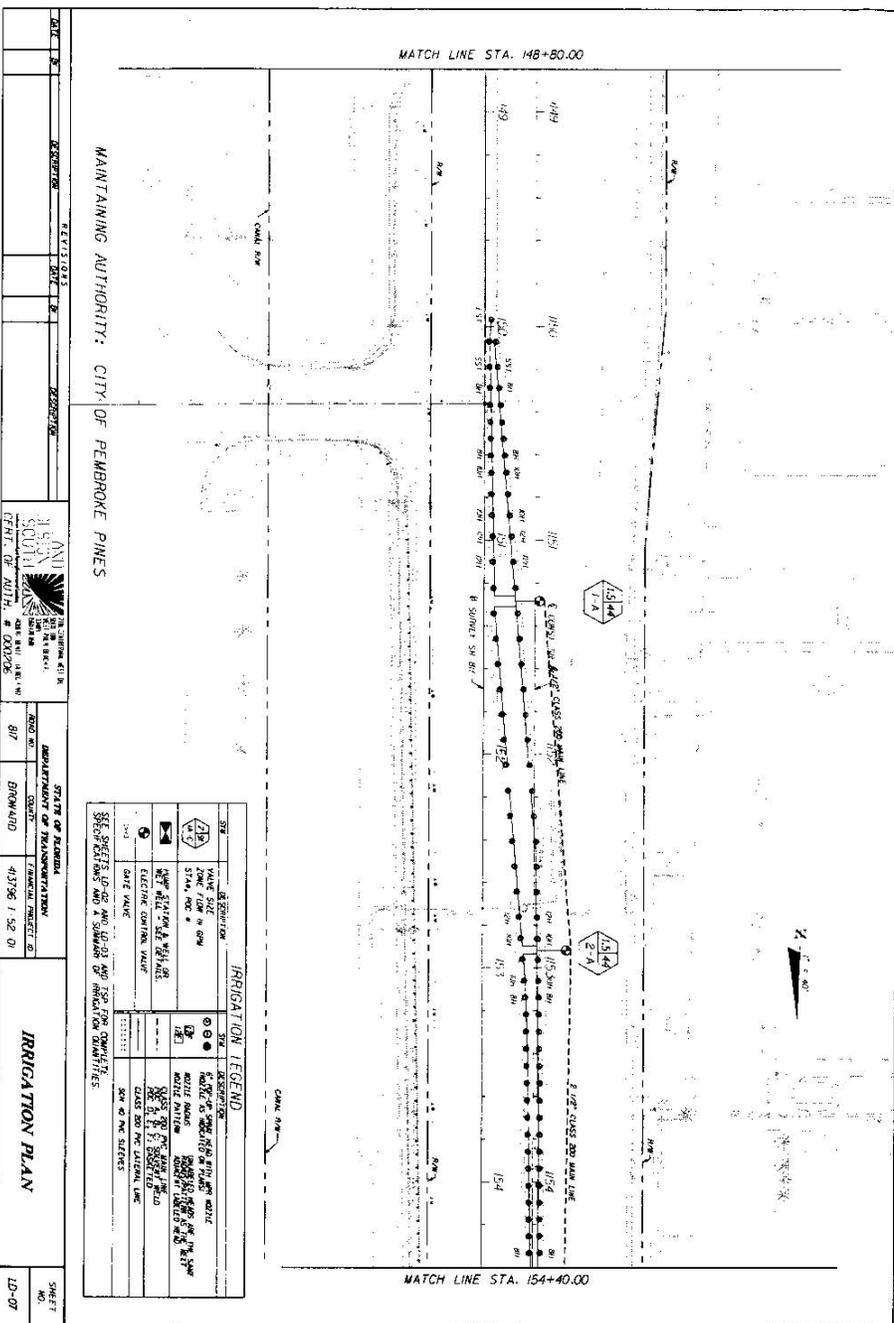
SEE SHEETS LD-08 AND LD-03 FOR TOP SOIL COMPLETES SPECIFICATIONS AND A SCHEDULE OF IRRIGATION QUANTITIES

DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 817 COUNTY BROWARD FEDERAL PROJECT NO. 41796-1-52-01					
<b>IRRIGATION PLAN</b>					SHEET NO. LD-06

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 605-83.003, F.A.C.

MATCH LINE STA. 148+80.00

MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES



MATCH LINE STA. 154+40.00

IRRIGATION LEGEND	
	VALVE SIZE IN INCH 2 1/2" VALVE
	ELECTRIC CONTROL VALVE
	CONTROL BOX
	CLASS 200 MAIN LINE
	CLASS 100 LATERAL
	FITTING
	END OF PIPE SECTION

DATE	REVISED	BY	DESCRIPTION
01/15/2025	01/15/2025	01/15/2025	01/15/2025

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 COUNTY OF BROWARD  
 PROJECT NO. 41796 1 SE 01  
 SHEET NO. LD-07

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER BILL 909-23.001, F.A.C.

MATCH LINE STA. 154+40.00

MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES

DATE	DESCRIPTION	BY	APP. BY

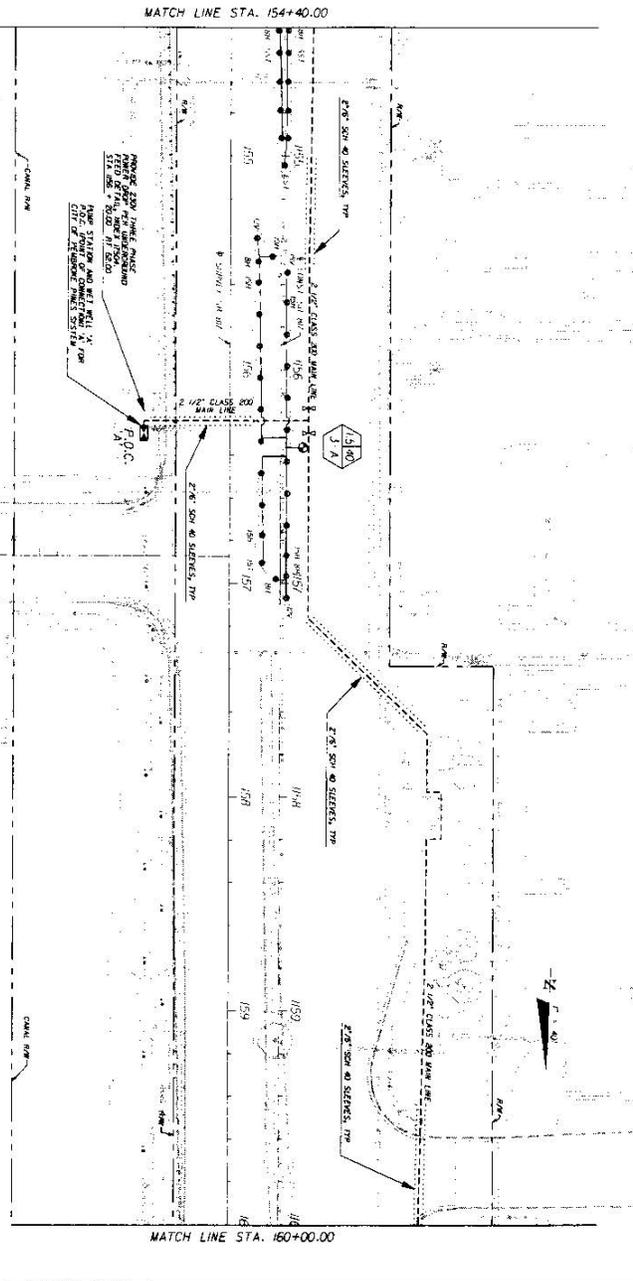
LANE  
DESIGN  
SECTION  
CITY OF PEMBROKE PINES  
CITY ENGINEER  
CITY OF PEMBROKE PINES

DEPARTMENT OF TRANSPORTATION  
CITY OF PEMBROKE PINES  
CITY ENGINEER  
CITY OF PEMBROKE PINES

IRRIGATION PLAN

SHEET NO. LD-08

SYMBOL	DESCRIPTION
(Symbol)	VALVE
(Symbol)	PISTON CONTROL VALVE
(Symbol)	DATE MARK
(Symbol)	RESERVOIR
(Symbol)	MANHOLE
(Symbol)	WELL
(Symbol)	WELL WITH PUMP
(Symbol)	WELL WITH PUMP AND STORAGE TANK
(Symbol)	WELL WITH PUMP AND STORAGE TANK AND ELECTRICAL CONTROL
(Symbol)	WELL WITH PUMP AND STORAGE TANK AND ELECTRICAL CONTROL AND VALVE
(Symbol)	WELL WITH PUMP AND STORAGE TANK AND ELECTRICAL CONTROL AND VALVE AND DATE MARK

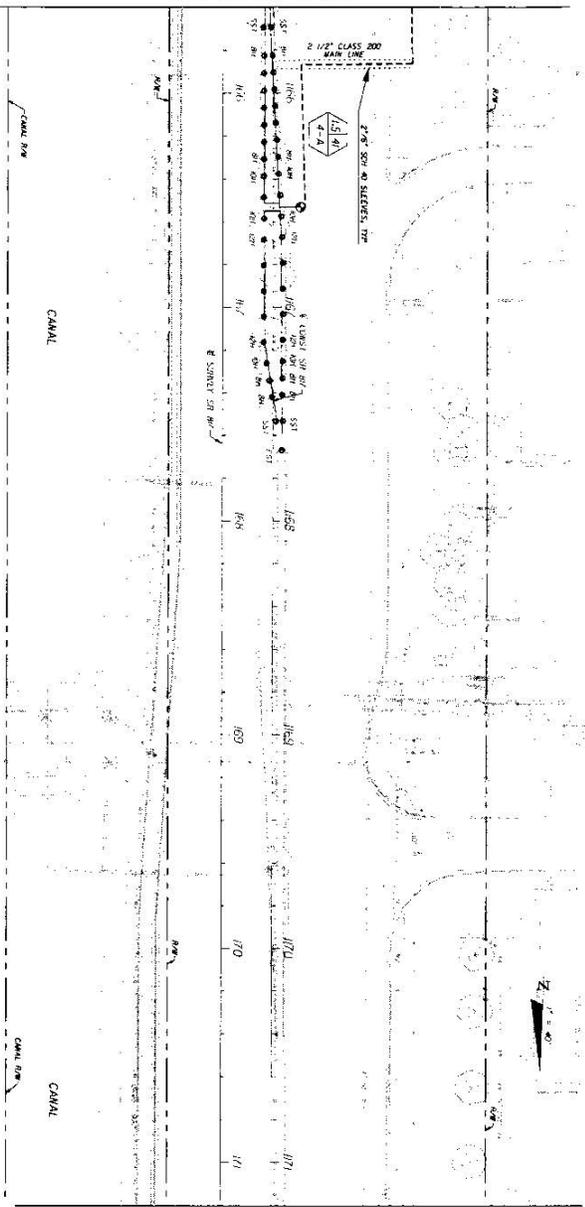


MATCH LINE STA. 160+00.00

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 669-23.003, F.S.



MATCH LINE STA. 165+60.00



MATCH LINE STA. 171+20.00

MAINTAINING AUTHORITY: CITY OF PEMROKE PINES

DATE	DESCRIPTION	BY	CHKD BY	SCALE	SHEET NO.	TOTAL SHEETS
04/15/2015	REVISED				10	10
04/15/2015	DESIGNED				1	10



STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. 3237  
BROWARD  
43796-1-52 01

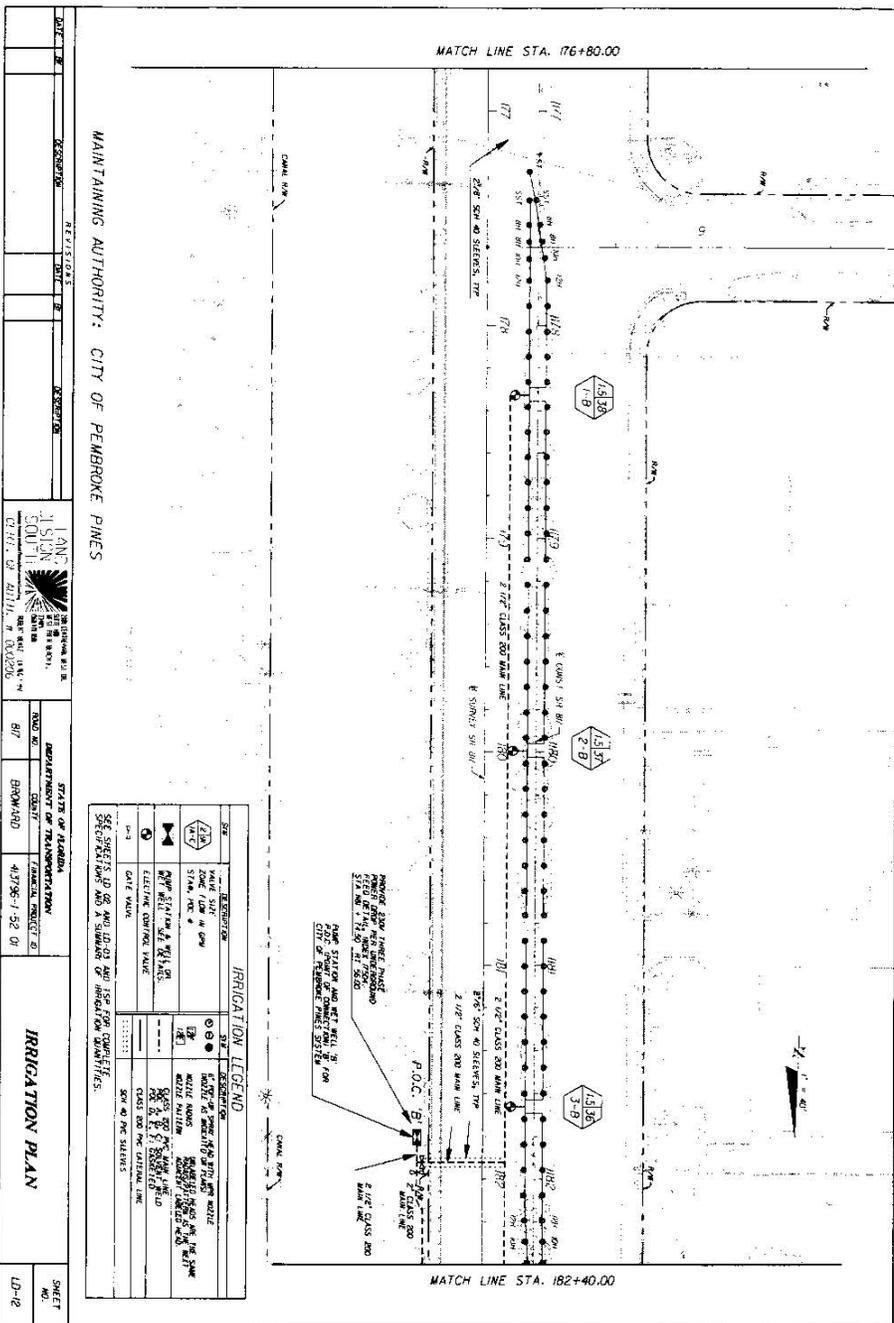
**IRRIGATION PLAN**

SHEET NO. 10 OF 10

SYMBOL	DESCRIPTION	IRRIGATION LEGEND
(Symbol: Valve)	VALVE	VALVE
(Symbol: Gate)	GATE	GATE
(Symbol: Electric Control Valve)	ELECTRIC CONTROL VALVE	ELECTRIC CONTROL VALVE
(Symbol: Structure)	STRUCTURE	STRUCTURE
(Symbol: Manhole)	MANHOLE	MANHOLE
(Symbol: Box Culvert)	BOX CULVERT	BOX CULVERT
(Symbol: Pipe)	PIPE	PIPE
(Symbol: Ditch)	DITCH	DITCH
(Symbol: Road)	ROAD	ROAD
(Symbol: Boundary)	BOUNDARY	BOUNDARY
(Symbol: Elevation)	ELEVATION	ELEVATION

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6905-23.003, F.A.C.





**IRRIGATION LEGEND**

SYMBOL	DESCRIPTION
(Symbol: Valve)	VALVE
(Symbol: Conduit)	ELECTRIC CONDUIT
(Symbol: Well)	WELL
(Symbol: Stationing)	STATIONING
(Symbol: Point of Connection)	P.O.C.

SEE SHEETS 1D OR 1A FOR LEGEND AND USE FOR COMPLETE SET OF VALVES AND A NUMBER OF IRRIGATION UNITS.

**MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES**

**IRRIGATION PLAN**

DATE: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

REVISIONS:

NO.	DATE	DESCRIPTION

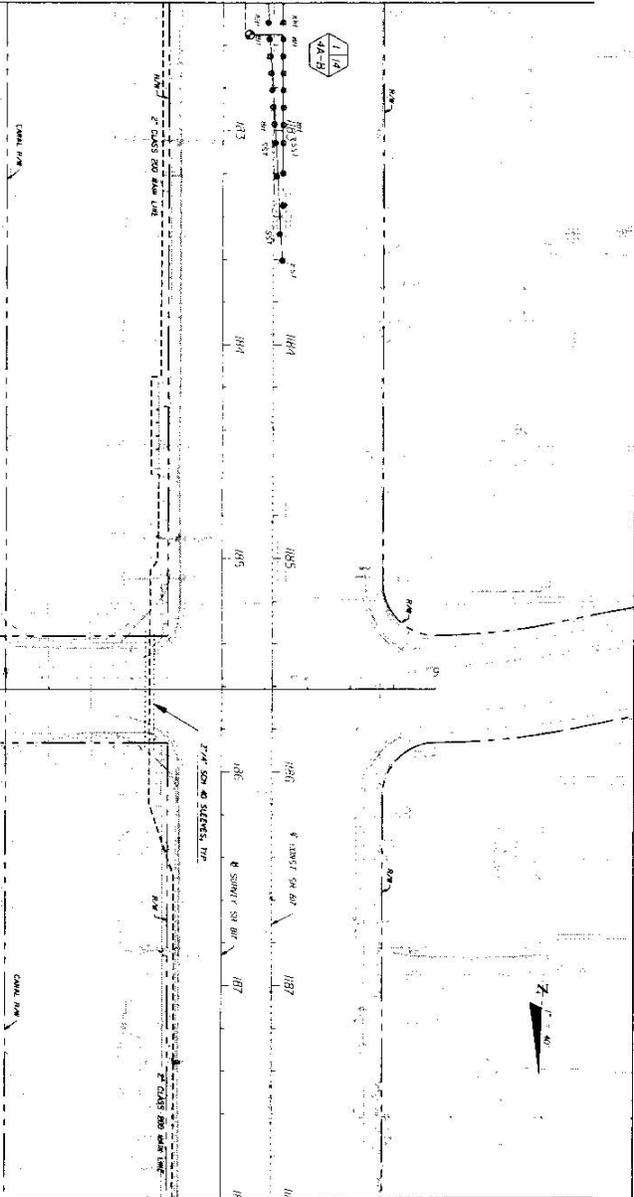
1. ANNE SLOAN CONSULTING ENGINEERS, INC.  
 1500 W. UNIVERSITY BLVD., SUITE 200  
 FORT WORTH, TEXAS 76104  
 PHONE: (817) 338-1111 FAX: (817) 338-1112

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 COUNTY: BROWARD  
 PROJECT: 43796-1-52 (1)

SHEET NO. 1D-12

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68D-23.003, F.A.C.

MATCH LINE STA. 182+40.00



MATCH LINE STA. 188+00.00

MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES

IRRIGATION LEGEND	
SYMBOL	DESCRIPTION
(Symbol: 1/4" x 1/4" square)	1/4" x 1/4" SQUARE
(Symbol: 1/2" x 1/2" square)	1/2" x 1/2" SQUARE
(Symbol: 3/4" x 3/4" square)	3/4" x 3/4" SQUARE
(Symbol: 1" x 1" square)	1" x 1" SQUARE
(Symbol: 1 1/2" x 1 1/2" square)	1 1/2" x 1 1/2" SQUARE
(Symbol: 2" x 2" square)	2" x 2" SQUARE
(Symbol: 3" x 3" square)	3" x 3" SQUARE
(Symbol: 4" x 4" square)	4" x 4" SQUARE
(Symbol: 6" x 6" square)	6" x 6" SQUARE
(Symbol: 8" x 8" square)	8" x 8" SQUARE
(Symbol: 12" x 12" square)	12" x 12" SQUARE
(Symbol: 18" x 18" square)	18" x 18" SQUARE
(Symbol: 24" x 24" square)	24" x 24" SQUARE
(Symbol: 36" x 36" square)	36" x 36" SQUARE
(Symbol: 48" x 48" square)	48" x 48" SQUARE
(Symbol: 60" x 60" square)	60" x 60" SQUARE
(Symbol: 72" x 72" square)	72" x 72" SQUARE
(Symbol: 84" x 84" square)	84" x 84" SQUARE
(Symbol: 96" x 96" square)	96" x 96" SQUARE
(Symbol: 108" x 108" square)	108" x 108" SQUARE
(Symbol: 120" x 120" square)	120" x 120" SQUARE
(Symbol: 132" x 132" square)	132" x 132" SQUARE
(Symbol: 144" x 144" square)	144" x 144" SQUARE
(Symbol: 156" x 156" square)	156" x 156" SQUARE
(Symbol: 168" x 168" square)	168" x 168" SQUARE
(Symbol: 180" x 180" square)	180" x 180" SQUARE
(Symbol: 192" x 192" square)	192" x 192" SQUARE
(Symbol: 204" x 204" square)	204" x 204" SQUARE
(Symbol: 216" x 216" square)	216" x 216" SQUARE
(Symbol: 228" x 228" square)	228" x 228" SQUARE
(Symbol: 240" x 240" square)	240" x 240" SQUARE
(Symbol: 252" x 252" square)	252" x 252" SQUARE
(Symbol: 264" x 264" square)	264" x 264" SQUARE
(Symbol: 276" x 276" square)	276" x 276" SQUARE
(Symbol: 288" x 288" square)	288" x 288" SQUARE
(Symbol: 300" x 300" square)	300" x 300" SQUARE
(Symbol: 312" x 312" square)	312" x 312" SQUARE
(Symbol: 324" x 324" square)	324" x 324" SQUARE
(Symbol: 336" x 336" square)	336" x 336" SQUARE
(Symbol: 348" x 348" square)	348" x 348" SQUARE
(Symbol: 360" x 360" square)	360" x 360" SQUARE
(Symbol: 372" x 372" square)	372" x 372" SQUARE
(Symbol: 384" x 384" square)	384" x 384" SQUARE
(Symbol: 396" x 396" square)	396" x 396" SQUARE
(Symbol: 408" x 408" square)	408" x 408" SQUARE
(Symbol: 420" x 420" square)	420" x 420" SQUARE
(Symbol: 432" x 432" square)	432" x 432" SQUARE
(Symbol: 444" x 444" square)	444" x 444" SQUARE
(Symbol: 456" x 456" square)	456" x 456" SQUARE
(Symbol: 468" x 468" square)	468" x 468" SQUARE
(Symbol: 480" x 480" square)	480" x 480" SQUARE
(Symbol: 492" x 492" square)	492" x 492" SQUARE
(Symbol: 504" x 504" square)	504" x 504" SQUARE
(Symbol: 516" x 516" square)	516" x 516" SQUARE
(Symbol: 528" x 528" square)	528" x 528" SQUARE
(Symbol: 540" x 540" square)	540" x 540" SQUARE
(Symbol: 552" x 552" square)	552" x 552" SQUARE
(Symbol: 564" x 564" square)	564" x 564" SQUARE
(Symbol: 576" x 576" square)	576" x 576" SQUARE
(Symbol: 588" x 588" square)	588" x 588" SQUARE
(Symbol: 600" x 600" square)	600" x 600" SQUARE
(Symbol: 612" x 612" square)	612" x 612" SQUARE
(Symbol: 624" x 624" square)	624" x 624" SQUARE
(Symbol: 636" x 636" square)	636" x 636" SQUARE
(Symbol: 648" x 648" square)	648" x 648" SQUARE
(Symbol: 660" x 660" square)	660" x 660" SQUARE
(Symbol: 672" x 672" square)	672" x 672" SQUARE
(Symbol: 684" x 684" square)	684" x 684" SQUARE
(Symbol: 696" x 696" square)	696" x 696" SQUARE
(Symbol: 708" x 708" square)	708" x 708" SQUARE
(Symbol: 720" x 720" square)	720" x 720" SQUARE
(Symbol: 732" x 732" square)	732" x 732" SQUARE
(Symbol: 744" x 744" square)	744" x 744" SQUARE
(Symbol: 756" x 756" square)	756" x 756" SQUARE
(Symbol: 768" x 768" square)	768" x 768" SQUARE
(Symbol: 780" x 780" square)	780" x 780" SQUARE
(Symbol: 792" x 792" square)	792" x 792" SQUARE
(Symbol: 804" x 804" square)	804" x 804" SQUARE
(Symbol: 816" x 816" square)	816" x 816" SQUARE
(Symbol: 828" x 828" square)	828" x 828" SQUARE
(Symbol: 840" x 840" square)	840" x 840" SQUARE
(Symbol: 852" x 852" square)	852" x 852" SQUARE
(Symbol: 864" x 864" square)	864" x 864" SQUARE
(Symbol: 876" x 876" square)	876" x 876" SQUARE
(Symbol: 888" x 888" square)	888" x 888" SQUARE
(Symbol: 900" x 900" square)	900" x 900" SQUARE
(Symbol: 912" x 912" square)	912" x 912" SQUARE
(Symbol: 924" x 924" square)	924" x 924" SQUARE
(Symbol: 936" x 936" square)	936" x 936" SQUARE
(Symbol: 948" x 948" square)	948" x 948" SQUARE
(Symbol: 960" x 960" square)	960" x 960" SQUARE
(Symbol: 972" x 972" square)	972" x 972" SQUARE
(Symbol: 984" x 984" square)	984" x 984" SQUARE
(Symbol: 996" x 996" square)	996" x 996" SQUARE
(Symbol: 1008" x 1008" square)	1008" x 1008" SQUARE
(Symbol: 1020" x 1020" square)	1020" x 1020" SQUARE
(Symbol: 1032" x 1032" square)	1032" x 1032" SQUARE
(Symbol: 1044" x 1044" square)	1044" x 1044" SQUARE
(Symbol: 1056" x 1056" square)	1056" x 1056" SQUARE
(Symbol: 1068" x 1068" square)	1068" x 1068" SQUARE
(Symbol: 1080" x 1080" square)	1080" x 1080" SQUARE
(Symbol: 1092" x 1092" square)	1092" x 1092" SQUARE
(Symbol: 1104" x 1104" square)	1104" x 1104" SQUARE
(Symbol: 1116" x 1116" square)	1116" x 1116" SQUARE
(Symbol: 1128" x 1128" square)	1128" x 1128" SQUARE
(Symbol: 1140" x 1140" square)	1140" x 1140" SQUARE
(Symbol: 1152" x 1152" square)	1152" x 1152" SQUARE
(Symbol: 1164" x 1164" square)	1164" x 1164" SQUARE
(Symbol: 1176" x 1176" square)	1176" x 1176" SQUARE
(Symbol: 1188" x 1188" square)	1188" x 1188" SQUARE
(Symbol: 1200" x 1200" square)	1200" x 1200" SQUARE
(Symbol: 1212" x 1212" square)	1212" x 1212" SQUARE
(Symbol: 1224" x 1224" square)	1224" x 1224" SQUARE
(Symbol: 1236" x 1236" square)	1236" x 1236" SQUARE
(Symbol: 1248" x 1248" square)	1248" x 1248" SQUARE
(Symbol: 1260" x 1260" square)	1260" x 1260" SQUARE
(Symbol: 1272" x 1272" square)	1272" x 1272" SQUARE
(Symbol: 1284" x 1284" square)	1284" x 1284" SQUARE
(Symbol: 1296" x 1296" square)	1296" x 1296" SQUARE
(Symbol: 1308" x 1308" square)	1308" x 1308" SQUARE
(Symbol: 1320" x 1320" square)	1320" x 1320" SQUARE
(Symbol: 1332" x 1332" square)	1332" x 1332" SQUARE
(Symbol: 1344" x 1344" square)	1344" x 1344" SQUARE
(Symbol: 1356" x 1356" square)	1356" x 1356" SQUARE
(Symbol: 1368" x 1368" square)	1368" x 1368" SQUARE
(Symbol: 1380" x 1380" square)	1380" x 1380" SQUARE
(Symbol: 1392" x 1392" square)	1392" x 1392" SQUARE
(Symbol: 1404" x 1404" square)	1404" x 1404" SQUARE
(Symbol: 1416" x 1416" square)	1416" x 1416" SQUARE
(Symbol: 1428" x 1428" square)	1428" x 1428" SQUARE
(Symbol: 1440" x 1440" square)	1440" x 1440" SQUARE
(Symbol: 1452" x 1452" square)	1452" x 1452" SQUARE
(Symbol: 1464" x 1464" square)	1464" x 1464" SQUARE
(Symbol: 1476" x 1476" square)	1476" x 1476" SQUARE
(Symbol: 1488" x 1488" square)	1488" x 1488" SQUARE
(Symbol: 1500" x 1500" square)	1500" x 1500" SQUARE
(Symbol: 1512" x 1512" square)	1512" x 1512" SQUARE
(Symbol: 1524" x 1524" square)	1524" x 1524" SQUARE
(Symbol: 1536" x 1536" square)	1536" x 1536" SQUARE
(Symbol: 1548" x 1548" square)	1548" x 1548" SQUARE
(Symbol: 1560" x 1560" square)	1560" x 1560" SQUARE
(Symbol: 1572" x 1572" square)	1572" x 1572" SQUARE
(Symbol: 1584" x 1584" square)	1584" x 1584" SQUARE
(Symbol: 1596" x 1596" square)	1596" x 1596" SQUARE
(Symbol: 1608" x 1608" square)	1608" x 1608" SQUARE
(Symbol: 1620" x 1620" square)	1620" x 1620" SQUARE
(Symbol: 1632" x 1632" square)	1632" x 1632" SQUARE
(Symbol: 1644" x 1644" square)	1644" x 1644" SQUARE
(Symbol: 1656" x 1656" square)	1656" x 1656" SQUARE
(Symbol: 1668" x 1668" square)	1668" x 1668" SQUARE
(Symbol: 1680" x 1680" square)	1680" x 1680" SQUARE
(Symbol: 1692" x 1692" square)	1692" x 1692" SQUARE
(Symbol: 1704" x 1704" square)	1704" x 1704" SQUARE
(Symbol: 1716" x 1716" square)	1716" x 1716" SQUARE
(Symbol: 1728" x 1728" square)	1728" x 1728" SQUARE
(Symbol: 1740" x 1740" square)	1740" x 1740" SQUARE
(Symbol: 1752" x 1752" square)	1752" x 1752" SQUARE
(Symbol: 1764" x 1764" square)	1764" x 1764" SQUARE
(Symbol: 1776" x 1776" square)	1776" x 1776" SQUARE
(Symbol: 1788" x 1788" square)	1788" x 1788" SQUARE
(Symbol: 1800" x 1800" square)	1800" x 1800" SQUARE
(Symbol: 1812" x 1812" square)	1812" x 1812" SQUARE
(Symbol: 1824" x 1824" square)	1824" x 1824" SQUARE
(Symbol: 1836" x 1836" square)	1836" x 1836" SQUARE
(Symbol: 1848" x 1848" square)	1848" x 1848" SQUARE
(Symbol: 1860" x 1860" square)	1860" x 1860" SQUARE
(Symbol: 1872" x 1872" square)	1872" x 1872" SQUARE
(Symbol: 1884" x 1884" square)	1884" x 1884" SQUARE
(Symbol: 1896" x 1896" square)	1896" x 1896" SQUARE
(Symbol: 1908" x 1908" square)	1908" x 1908" SQUARE
(Symbol: 1920" x 1920" square)	1920" x 1920" SQUARE
(Symbol: 1932" x 1932" square)	1932" x 1932" SQUARE
(Symbol: 1944" x 1944" square)	1944" x 1944" SQUARE
(Symbol: 1956" x 1956" square)	1956" x 1956" SQUARE
(Symbol: 1968" x 1968" square)	1968" x 1968" SQUARE
(Symbol: 1980" x 1980" square)	1980" x 1980" SQUARE
(Symbol: 1992" x 1992" square)	1992" x 1992" SQUARE
(Symbol: 2004" x 2004" square)	2004" x 2004" SQUARE
(Symbol: 2016" x 2016" square)	2016" x 2016" SQUARE
(Symbol: 2028" x 2028" square)	2028" x 2028" SQUARE
(Symbol: 2040" x 2040" square)	2040" x 2040" SQUARE
(Symbol: 2052" x 2052" square)	2052" x 2052" SQUARE
(Symbol: 2064" x 2064" square)	2064" x 2064" SQUARE
(Symbol: 2076" x 2076" square)	2076" x 2076" SQUARE
(Symbol: 2088" x 2088" square)	2088" x 2088" SQUARE
(Symbol: 2100" x 2100" square)	2100" x 2100" SQUARE
(Symbol: 2112" x 2112" square)	2112" x 2112" SQUARE
(Symbol: 2124" x 2124" square)	2124" x 2124" SQUARE
(Symbol: 2136" x 2136" square)	2136" x 2136" SQUARE
(Symbol: 2148" x 2148" square)	2148" x 2148" SQUARE
(Symbol: 2160" x 2160" square)	2160" x 2160" SQUARE
(Symbol: 2172" x 2172" square)	2172" x 2172" SQUARE
(Symbol: 2184" x 2184" square)	2184" x 2184" SQUARE
(Symbol: 2196" x 2196" square)	2196" x 2196" SQUARE
(Symbol: 2208" x 2208" square)	2208" x 2208" SQUARE
(Symbol: 2220" x 2220" square)	2220" x 2220" SQUARE
(Symbol: 2232" x 2232" square)	2232" x 2232" SQUARE
(Symbol: 2244" x 2244" square)	2244" x 2244" SQUARE
(Symbol: 2256" x 2256" square)	2256" x 2256" SQUARE
(Symbol: 2268" x 2268" square)	2268" x 2268" SQUARE
(Symbol: 2280" x 2280" square)	2280" x 2280" SQUARE
(Symbol: 2292" x 2292" square)	2292" x 2292" SQUARE
(Symbol: 2304" x 2304" square)	2304" x 2304" SQUARE
(Symbol: 2316" x 2316" square)	2316" x 2316" SQUARE
(Symbol: 2328" x 2328" square)	2328" x 2328" SQUARE
(Symbol: 2340" x 2340" square)	2340" x 2340" SQUARE
(Symbol: 2352" x 2352" square)	2352" x 2352" SQUARE
(Symbol: 2364" x 2364" square)	2364" x 2364" SQUARE
(Symbol: 2376" x 2376" square)	2376" x 2376" SQUARE
(Symbol: 2388" x 2388" square)	2388" x 2388" SQUARE
(Symbol: 2400" x 2400" square)	2400" x 2400" SQUARE

REVISIONS

NO.	DATE	DESCRIPTION
1	01/15/20	ISSUED FOR PERMITS
2	02/10/20	REVISED PER COMMENTS
3	03/05/20	REVISED PER COMMENTS
4	04/01/20	REVISED PER COMMENTS
5	05/01/20	REVISED PER COMMENTS
6	06/01/20	REVISED PER COMMENTS
7	07/01/20	REVISED PER COMMENTS
8	08/01/20	REVISED PER COMMENTS
9	09/01/20	REVISED PER COMMENTS
10	10/01/20	REVISED PER COMMENTS
11	11/01/20	REVISED PER COMMENTS
12	12/01/20	REVISED PER COMMENTS

LAND SURVEYOR  
 JOHN M. GOTTEN  
 CIVIL ENGINEER  
 STATE OF FLORIDA  
 LICENSE NO. 12345

DEPARTMENT OF TRANSPORTATION  
 CIVIL ENGINEER  
 LICENSE NO. 67890

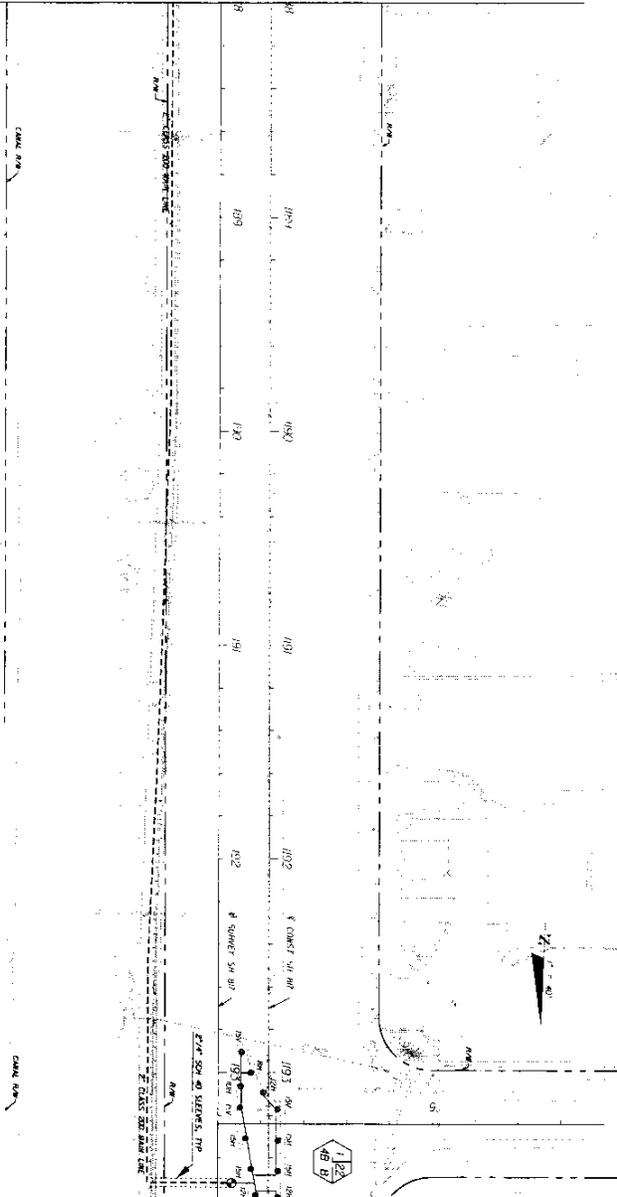
DATE: 12/31/20

PROJECT: IRRIGATION PLAN

SHEET NO. LD-13

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 605-23.003, F.A.C.

MATCH LINE STA. 188+00.00



MATCH LINE STA. 193+60.00

MAINTAINING AUTHORITY: CITY OF PEMBROKE PINES

SYMBOL		DESCRIPTION
(Symbol: Valve)	VALVE	VALVE
(Symbol: Gate)	GATE	GATE
(Symbol: Structure)	STRUCTURE	STRUCTURE
(Symbol: Pipe)	PIPE	PIPE
(Symbol: Line)	LINE	LINE

DATE	REVISION	DATE	REVISION

DESIGN AND CONSTRUCTION BY: [Logo]

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PROJECT NO. 13796 / 52 01

IRRIGATION PLAN

SHEET NO. LD-14

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 605-23.001, F.A.C.







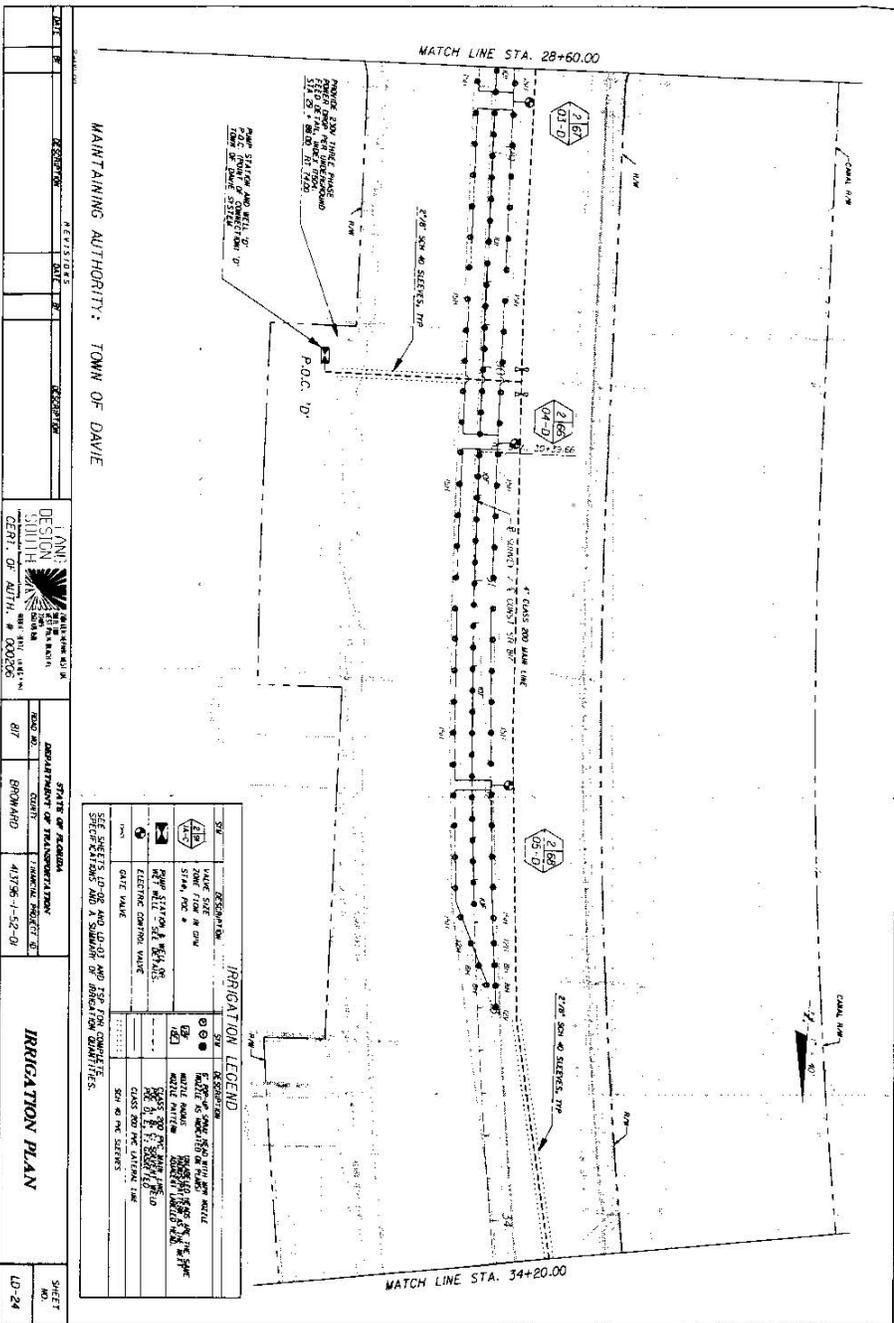












MAINTAINING AUTHORITY: TOWN OF DAVIE

SYMBOL	DESCRIPTION
(Symbol: Valve)	VALVE
(Symbol: Gate)	GATE
(Symbol: Control Valve)	ELECTRIC CONTROL VALVE
(Symbol: Class and Lateral Line)	CLASS AND LATERAL LINE
(Symbol: Main Line)	MAIN LINE

**IRRIGATION LEGEND**

SEE SHEETS LD-08 AND LD-09 FOR PUMP STATION DETAILS.

SEE SHEETS LD-08 AND LD-09 FOR PUMP STATION DETAILS.

DATE	REVISION	BY	DATE	REVISION	BY
<b>IRRIATION PLAN</b>					
TOWN OF DAVIE DESIGN SOUTH FLORIDA CENT. OF AUTH. # 000000			STATE OF FLORIDA COUNTY OF BROWARD PROJECT # 41796-1-52-D		
SHEET NO. LD-24			TOTAL SHEETS 24		

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6005-23.003, F.A.C.









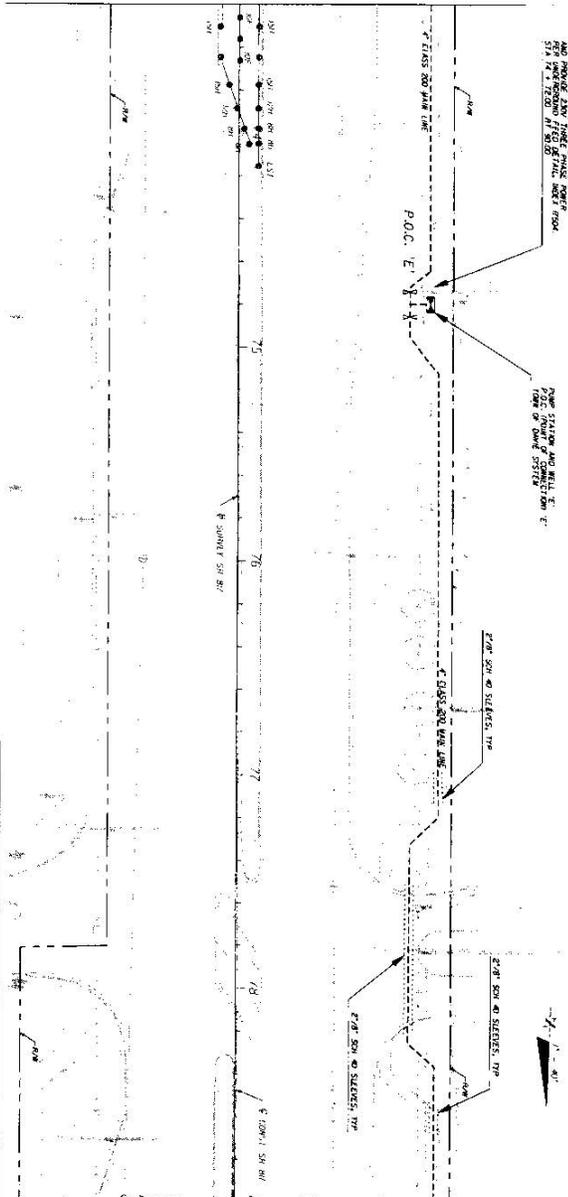








MATCH LINE STA. 73+40.00



VERIFY THE EXISTING SERVICE FROM  
CONNECTION TO THE P.O.C. VALVE  
AND THE PUMP STATION AND WELL.  
THE P.O.C. VALVE IS TO BE  
LOCATED AT THE END OF THE  
EXISTING SERVICE FROM THE  
PUMP STATION AND WELL.

PUMP STATION AND WELL TO  
BE LOCATED AT THE END OF  
EXISTING SERVICE FROM THE  
P.O.C. VALVE.

MAINTAINING AUTHORITY: TOWN OF DAVIE

DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY



STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
CENTRAL FLORIDA DISTRICT  
1700 N. W. 10th St., Ft. Lauderdale, FL 33304  
407-961-1520

IRRIGATION PLAN

SHEET NO. LD-32

SYMBOL	DESCRIPTION
(Symbol: Valve)	VALVE
(Symbol: Siphon)	SIPHON
(Symbol: Gate)	GATE
(Symbol: Well)	WELL
(Symbol: Pump Station)	PUMP STATION
(Symbol: P.O.C. Valve)	P.O.C. VALVE
(Symbol: Section of Siphon)	SECTION OF SIPHON
(Symbol: Main Line)	MAIN LINE
(Symbol: Lateral Line)	LATERAL LINE
(Symbol: Submain)	SUBMAIN
(Symbol: Headworks)	HEADWORKS
(Symbol: Structure)	STRUCTURE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60S-23.003, F.A.C.



MATCH LINE STA. 84+60.00

MAINTAINING AUTHORITY: TOWN OF DAVIE

DATE	REVISIONS

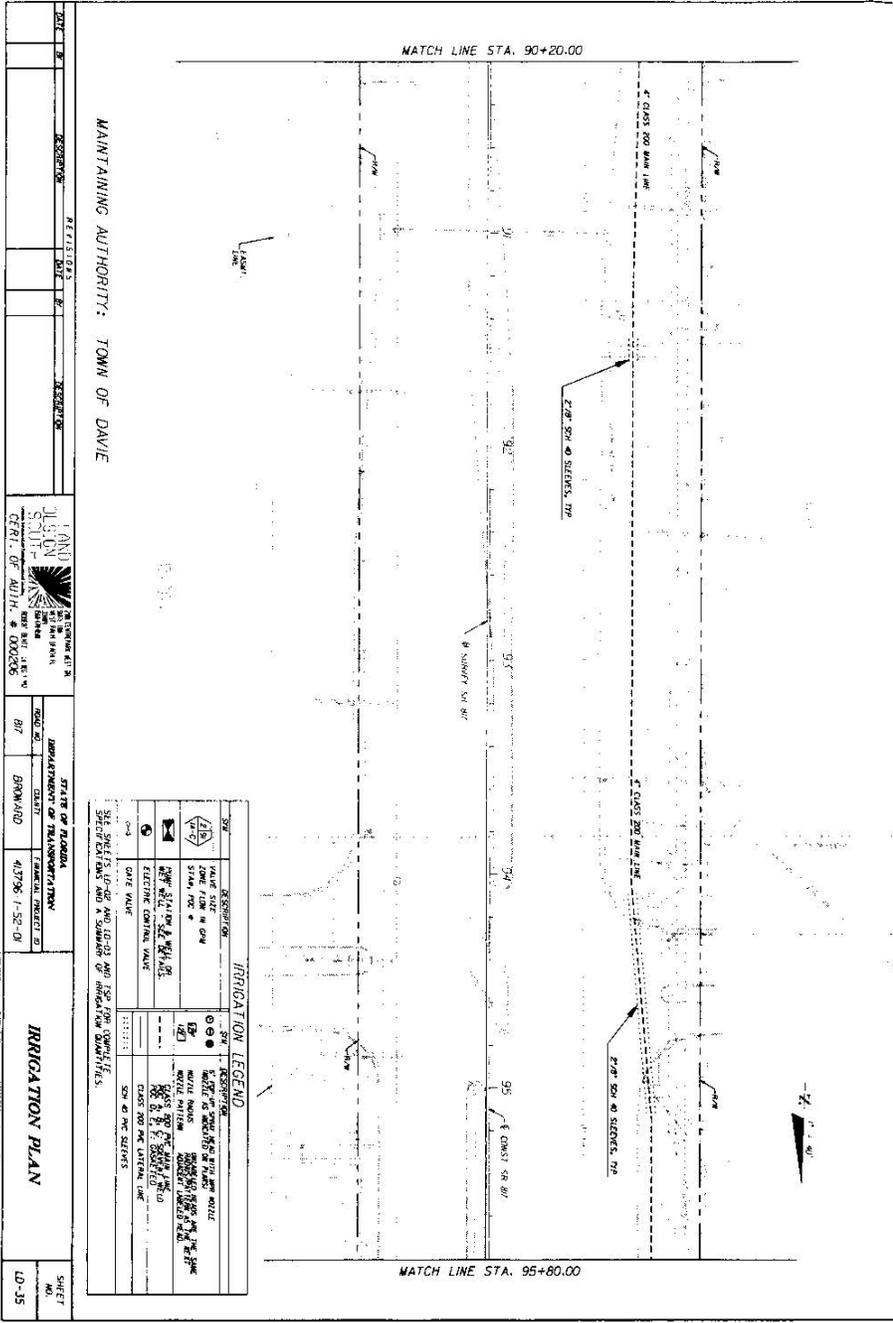


STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION

**IRRIGATION PLAN**

SHEET NO. LD-34

SYMBOL	DESCRIPTION
	1/2" VALVE SIZE
	3/4" VALVE SIZE
	1" VALVE SIZE
	1 1/2" VALVE SIZE
	2" VALVE SIZE
	3" VALVE SIZE
	4" VALVE SIZE
	6" VALVE SIZE
	8" VALVE SIZE
	10" VALVE SIZE
	12" VALVE SIZE
	15" VALVE SIZE
	18" VALVE SIZE
	24" VALVE SIZE
	30" VALVE SIZE
	36" VALVE SIZE
	42" VALVE SIZE
	48" VALVE SIZE
	54" VALVE SIZE
	60" VALVE SIZE
	72" VALVE SIZE
	84" VALVE SIZE
	96" VALVE SIZE
	108" VALVE SIZE
	120" VALVE SIZE
	144" VALVE SIZE
	168" VALVE SIZE
	192" VALVE SIZE
	216" VALVE SIZE
	240" VALVE SIZE
	270" VALVE SIZE
	300" VALVE SIZE
	360" VALVE SIZE
	420" VALVE SIZE
	480" VALVE SIZE
	540" VALVE SIZE
	600" VALVE SIZE
	720" VALVE SIZE
	840" VALVE SIZE
	960" VALVE SIZE
	1080" VALVE SIZE
	1200" VALVE SIZE
	1440" VALVE SIZE
	1680" VALVE SIZE
	1920" VALVE SIZE
	2160" VALVE SIZE
	2400" VALVE SIZE
	2700" VALVE SIZE
	3000" VALVE SIZE
	3600" VALVE SIZE
	4200" VALVE SIZE
	4800" VALVE SIZE
	5400" VALVE SIZE
	6000" VALVE SIZE
	7200" VALVE SIZE
	8400" VALVE SIZE
	9600" VALVE SIZE
	10800" VALVE SIZE
	12000" VALVE SIZE
	14400" VALVE SIZE
	16800" VALVE SIZE
	19200" VALVE SIZE
	21600" VALVE SIZE
	24000" VALVE SIZE
	27000" VALVE SIZE
	30000" VALVE SIZE
	36000" VALVE SIZE
	42000" VALVE SIZE
	48000" VALVE SIZE
	54000" VALVE SIZE
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	72000" VALVE SIZE
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	420000000000000" VALVE SIZE
	480000000000000" VALVE SIZE
	540000000000000" VALVE SIZE
	600000000000000" VALVE SIZE
	720000000000000" VALVE SIZE
	840000000000000" VALVE SIZE



MAINTAINING AUTHORITY: TOWN OF DAVIE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(Symbol: 1/2" dia. line)	1/2" DIA. LINE	(Symbol: 2" dia. line)	2" DIA. LINE
(Symbol: 4" dia. line)	4" DIA. LINE	(Symbol: 6" dia. line)	6" DIA. LINE
(Symbol: 8" dia. line)	8" DIA. LINE	(Symbol: 12" dia. line)	12" DIA. LINE
(Symbol: 16" dia. line)	16" DIA. LINE	(Symbol: 24" dia. line)	24" DIA. LINE
(Symbol: 30" dia. line)	30" DIA. LINE	(Symbol: 36" dia. line)	36" DIA. LINE
(Symbol: 48" dia. line)	48" DIA. LINE	(Symbol: 60" dia. line)	60" DIA. LINE
(Symbol: 72" dia. line)	72" DIA. LINE	(Symbol: 96" dia. line)	96" DIA. LINE
(Symbol: 120" dia. line)	120" DIA. LINE	(Symbol: 144" dia. line)	144" DIA. LINE
(Symbol: 180" dia. line)	180" DIA. LINE	(Symbol: 216" dia. line)	216" DIA. LINE
(Symbol: 240" dia. line)	240" DIA. LINE	(Symbol: 300" dia. line)	300" DIA. LINE
(Symbol: 360" dia. line)	360" DIA. LINE	(Symbol: 480" dia. line)	480" DIA. LINE
(Symbol: 720" dia. line)	720" DIA. LINE	(Symbol: 1440" dia. line)	1440" DIA. LINE
(Symbol: 2160" dia. line)	2160" DIA. LINE	(Symbol: 4320" dia. line)	4320" DIA. LINE
(Symbol: 8640" dia. line)	8640" DIA. LINE	(Symbol: 21600" dia. line)	21600" DIA. LINE
(Symbol: 43200" dia. line)	43200" DIA. LINE	(Symbol: 172800" dia. line)	172800" DIA. LINE
(Symbol: 86400" dia. line)	86400" DIA. LINE	(Symbol: 345600" dia. line)	345600" DIA. LINE
(Symbol: 172800" dia. line)	172800" DIA. LINE	(Symbol: 345600" dia. line)	345600" DIA. LINE
(Symbol: 345600" dia. line)	345600" DIA. LINE	(Symbol: 691200" dia. line)	691200" DIA. LINE
(Symbol: 691200" dia. line)	691200" DIA. LINE	(Symbol: 1382400" dia. line)	1382400" DIA. LINE
(Symbol: 1382400" dia. line)	1382400" DIA. LINE	(Symbol: 2764800" dia. line)	2764800" DIA. LINE
(Symbol: 2764800" dia. line)	2764800" DIA. LINE	(Symbol: 5529600" dia. line)	5529600" DIA. LINE
(Symbol: 5529600" dia. line)	5529600" DIA. LINE	(Symbol: 11059200" dia. line)	11059200" DIA. LINE
(Symbol: 11059200" dia. line)	11059200" DIA. LINE	(Symbol: 22118400" dia. line)	22118400" DIA. LINE
(Symbol: 22118400" dia. line)	22118400" DIA. LINE	(Symbol: 44236800" dia. line)	44236800" DIA. LINE
(Symbol: 44236800" dia. line)	44236800" DIA. LINE	(Symbol: 88473600" dia. line)	88473600" DIA. LINE
(Symbol: 88473600" dia. line)	88473600" DIA. LINE	(Symbol: 176947200" dia. line)	176947200" DIA. LINE
(Symbol: 176947200" dia. line)	176947200" DIA. LINE	(Symbol: 353894400" dia. line)	353894400" DIA. LINE
(Symbol: 353894400" dia. line)	353894400" DIA. LINE	(Symbol: 707788800" dia. line)	707788800" DIA. LINE
(Symbol: 707788800" dia. line)	707788800" DIA. LINE	(Symbol: 1415577600" dia. line)	1415577600" DIA. LINE
(Symbol: 1415577600" dia. line)	1415577600" DIA. LINE	(Symbol: 2831155200" dia. line)	2831155200" DIA. LINE
(Symbol: 2831155200" dia. line)	2831155200" DIA. LINE	(Symbol: 5662310400" dia. line)	5662310400" DIA. LINE
(Symbol: 5662310400" dia. line)	5662310400" DIA. LINE	(Symbol: 11324620800" dia. line)	11324620800" DIA. LINE
(Symbol: 11324620800" dia. line)	11324620800" DIA. LINE	(Symbol: 22649241600" dia. line)	22649241600" DIA. LINE
(Symbol: 22649241600" dia. line)	22649241600" DIA. LINE	(Symbol: 45298483200" dia. line)	45298483200" DIA. LINE
(Symbol: 45298483200" dia. line)	45298483200" DIA. LINE	(Symbol: 90596966400" dia. line)	90596966400" DIA. LINE
(Symbol: 90596966400" dia. line)	90596966400" DIA. LINE	(Symbol: 181193932800" dia. line)	181193932800" DIA. LINE
(Symbol: 181193932800" dia. line)	181193932800" DIA. LINE	(Symbol: 362387865600" dia. line)	362387865600" DIA. LINE
(Symbol: 362387865600" dia. line)	362387865600" DIA. LINE	(Symbol: 724775731200" dia. line)	724775731200" DIA. LINE
(Symbol: 724775731200" dia. line)	724775731200" DIA. LINE	(Symbol: 1449551462400" dia. line)	1449551462400" DIA. LINE
(Symbol: 1449551462400" dia. line)	1449551462400" DIA. LINE	(Symbol: 2899102924800" dia. line)	2899102924800" DIA. LINE
(Symbol: 2899102924800" dia. line)	2899102924800" DIA. LINE	(Symbol: 5798205849600" dia. line)	5798205849600" DIA. LINE
(Symbol: 5798205849600" dia. line)	5798205849600" DIA. LINE	(Symbol: 11596411699200" dia. line)	11596411699200" DIA. LINE
(Symbol: 11596411699200" dia. line)	11596411699200" DIA. LINE	(Symbol: 23192823398400" dia. line)	23192823398400" DIA. LINE
(Symbol: 23192823398400" dia. line)	23192823398400" DIA. LINE	(Symbol: 46385646796800" dia. line)	46385646796800" DIA. LINE
(Symbol: 46385646796800" dia. line)	46385646796800" DIA. LINE	(Symbol: 92771293593600" dia. line)	92771293593600" DIA. LINE
(Symbol: 92771293593600" dia. line)	92771293593600" DIA. LINE	(Symbol: 185542587187200" dia. line)	185542587187200" DIA. LINE
(Symbol: 185542587187200" dia. line)	185542587187200" DIA. LINE	(Symbol: 371085174374400" dia. line)	371085174374400" DIA. LINE
(Symbol: 371085174374400" dia. line)	371085174374400" DIA. LINE	(Symbol: 742170348748800" dia. line)	742170348748800" DIA. LINE
(Symbol: 742170348748800" dia. line)	742170348748800" DIA. LINE	(Symbol: 1484340697497600" dia. line)	1484340697497600" DIA. LINE
(Symbol: 1484340697497600" dia. line)	1484340697497600" DIA. LINE	(Symbol: 2968681394995200" dia. line)	2968681394995200" DIA. LINE
(Symbol: 2968681394995200" dia. line)	2968681394995200" DIA. LINE	(Symbol: 5937362789990400" dia. line)	5937362789990400" DIA. LINE
(Symbol: 5937362789990400" dia. line)	5937362789990400" DIA. LINE	(Symbol: 11874725579980800" dia. line)	11874725579980800" DIA. LINE
(Symbol: 11874725579980800" dia. line)	11874725579980800" DIA. LINE	(Symbol: 23749451159961600" dia. line)	23749451159961600" DIA. LINE
(Symbol: 23749451159961600" dia. line)	23749451159961600" DIA. LINE	(Symbol: 47498902319923200" dia. line)	47498902319923200" DIA. LINE
(Symbol: 47498902319923200" dia. line)	47498902319923200" DIA. LINE	(Symbol: 94997804639846400" dia. line)	94997804639846400" DIA. LINE
(Symbol: 94997804639846400" dia. line)	94997804639846400" DIA. LINE	(Symbol: 189995609279692800" dia. line)	189995609279692800" DIA. LINE
(Symbol: 189995609279692800" dia. line)	189995609279692800" DIA. LINE	(Symbol: 379991218559385600" dia. line)	379991218559385600" DIA. LINE
(Symbol: 379991218559385600" dia. line)	379991218559385600" DIA. LINE	(Symbol: 759982437118771200" dia. line)	759982437118771200" DIA. LINE
(Symbol: 759982437118771200" dia. line)	759982437118771200" DIA. LINE	(Symbol: 1519964874237542400" dia. line)	1519964874237542400" DIA. LINE
(Symbol: 1519964874237542400" dia. line)	1519964874237542400" DIA. LINE	(Symbol: 3039929748475084800" dia. line)	3039929748475084800" DIA. LINE
(Symbol: 3039929748475084800" dia. line)	3039929748475084800" DIA. LINE	(Symbol: 6079859496950169600" dia. line)	6079859496950169600" DIA. LINE
(Symbol: 6079859496950169600" dia. line)	6079859496950169600" DIA. LINE	(Symbol: 12159718993900339200" dia. line)	12159718993900339200" DIA. LINE
(Symbol: 12159718993900339200" dia. line)	12159718993900339200" DIA. LINE	(Symbol: 24319437987800678400" dia. line)	24319437987800678400" DIA. LINE
(Symbol: 24319437987800678400" dia. line)	24319437987800678400" DIA. LINE	(Symbol: 48638875975601356800" dia. line)	48638875975601356800" DIA. LINE
(Symbol: 48638875975601356800" dia. line)	48638875975601356800" DIA. LINE	(Symbol: 97277751951202713600" dia. line)	97277751951202713600" DIA. LINE
(Symbol: 97277751951202713600" dia. line)	97277751951202713600" DIA. LINE	(Symbol: 194555503902405427200" dia. line)	194555503902405427200" DIA. LINE
(Symbol: 194555503902405427200" dia. line)	194555503902405427200" DIA. LINE	(Symbol: 389111007804810854400" dia. line)	389111007804810854400" DIA. LINE
(Symbol: 389111007804810854400" dia. line)	389111007804810854400" DIA. LINE	(Symbol: 778222015609621708800" dia. line)	778222015609621708800" DIA. LINE
(Symbol: 778222015609621708800" dia. line)	778222015609621708800" DIA. LINE	(Symbol: 1556444031219243417600" dia. line)	1556444031219243417600" DIA. LINE
(Symbol: 1556444031219243417600" dia. line)	1556444031219243417600" DIA. LINE	(Symbol: 3112888062438486835200" dia. line)	3112888062438486835200" DIA. LINE
(Symbol: 3112888062438486835200" dia. line)	3112888062438486835200" DIA. LINE	(Symbol: 6225776124876973670400" dia. line)	6225776124876973670400" DIA. LINE
(Symbol: 6225776124876973670400" dia. line)	6225776124876973670400" DIA. LINE	(Symbol: 12451552249753947340800" dia. line)	12451552249753947340800" DIA. LINE
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(Symbol: 24903104499507894681600" dia. line)	24903104499507894681600" DIA. LINE	(Symbol: 49806208999015789363200" dia. line)	49806208999015789363200" DIA. LINE
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(Symbol: 3187597375617010487244800" dia. line)	3187597375617010487244800" DIA. LINE	(Symbol: 6375194751234020974489600" dia. line)	6375194751234020974489600" DIA. LINE
(Symbol: 6375194751234020974489600" dia. line)	6375194751234020974489600" DIA. LINE	(Symbol: 12750389502468041948979200" dia. line)	12750389502468041948979200" DIA. LINE
(Symbol: 12750389502468041948979200" dia. line)	12750389502468041948979200" DIA. LINE	(Symbol: 25500779004936083897958400" dia. line)	25500779004936083897958400" DIA. LINE
(Symbol: 25500779004936083897958400" dia. line)	25500779004936083897958400" DIA. LINE	(Symbol: 51001558009872167795916800" dia. line)	51001558009872167795916800" DIA. LINE
(Symbol: 51001558009872167795916800" dia. line)	51001558009872167795916800" DIA. LINE	(Symbol: 102003116019744335591833600" dia. line)	102003116019744335591833600" DIA. LINE
(Symbol: 102003116019744335591833600" dia. line)	102003116019744335591833600" DIA. LINE	(Symbol: 204006232039488671183667200" dia. line)	204006232039488671183667200" DIA. LINE
(Symbol: 204006232039488671183667200" dia. line)	204006232039488671183667200" DIA. LINE	(Symbol: 408012464078977342367334400" dia. line)	408012464078977342367334400" DIA. LINE
(Symbol: 408012464078977342367334400" dia. line)	408012464078977342367334400" DIA. LINE	(Symbol: 816024928157954684734668800" dia. line)	816024928157954684734668800" DIA. LINE
(Symbol: 816024928157954684734668800" dia. line)	816024928157954684734668800" DIA. LINE	(Symbol: 1632049856315909369469337600" dia. line)	1632049856315909369469337600" DIA. LINE
(Symbol: 1632049856315909369469337600" dia. line)	1632049856315909369469337600" DIA. LINE	(Symbol: 3264099712631818738938675200" dia. line)	3264099712631818738938675200" DIA. LINE
(Symbol: 3264099712631818738938675200" dia. line)	3264099712631818738938675200" DIA. LINE	(Symbol: 6528199425263637477877350400" dia. line)	6528199425263637477877350400" DIA. LINE
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(Symbol: 52225595402109099831018803200" dia. line)	52225595402109099831018803200" DIA. LINE	(Symbol: 104451190804218199662037606400" dia. line)	104451190804218199662037606400" DIA. LINE
(Symbol: 104451190804218199662037606400" dia. line)	104451190804218199662037606400" DIA. LINE	(Symbol: 208902381608436399324075212800" dia. line)	208902381608436399324075212800" DIA. LINE
(Symbol: 208902381608436399324075212800" dia. line)	208902381608436399324075212800" DIA. LINE	(Symbol: 417804763216872798648150425600" dia. line)	417804763216872798648150425600" DIA. LINE
(Symbol: 417804763216872798648150425600" dia. line)	417804763216872798648150425600" DIA. LINE	(Symbol: 835609526433745597296300851200" dia. line)	835609526433745597296300851200" DIA. LINE
(Symbol: 835609526433745597296300851200" dia. line)	835609526433745597296300851200" DIA. LINE	(Symbol: 1671219052867491194592601702400" dia. line)	1671219052867491194592601702400" DIA. LINE
(Symbol: 1671219052867491194592601702400" dia. line)	1671219052867491194592601702400" DIA. LINE	(Symbol: 3342438105734982389185203404800" dia. line)	3342438105734982389185203404800" DIA. LINE
(Symbol: 3342438105734982389185203404800" dia. line)	3342438105734982389185203404800" DIA. LINE	(Symbol: 6684876211469964778370406809600" dia. line)	6684876211469964778370406809600" DIA. LINE
(Symbol: 6684876211469964778370406809600" dia. line)	6684876211469964778370406809600" DIA. LINE	(Symbol: 13369752422939929556740813619200" dia. line)	13369752422939929556740813619200" DIA. LINE
(Symbol: 13369752422939929556740813619200" dia. line)	13369752422939929556740813619200" DIA. LINE	(Symbol: 26739504	

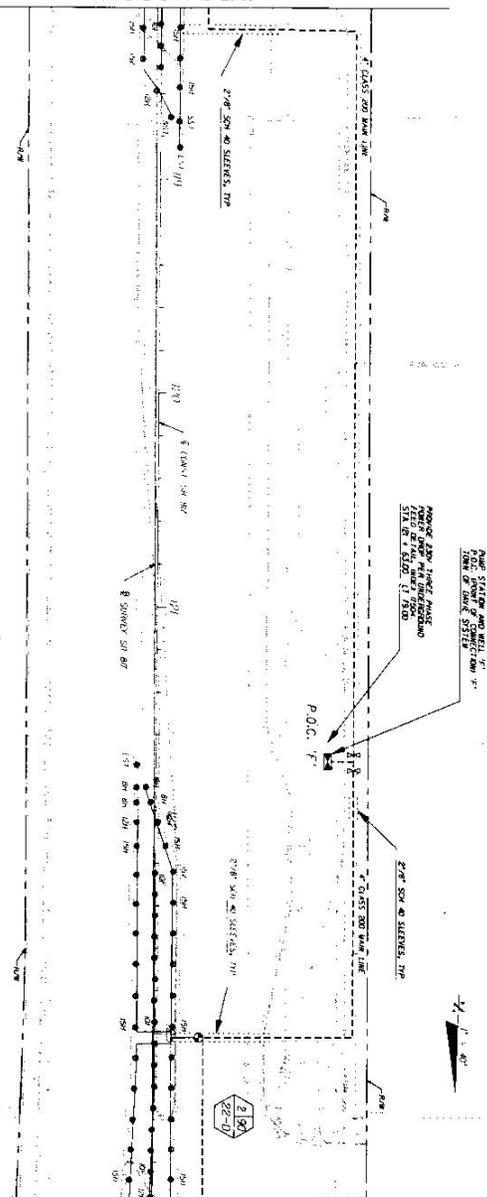








MATCH LINE STA. 116+20.00



MATCH LINE STA. 123+80.00

MAINTAINING AUTHORITY: TOWN OF DAVE

IRRIGATION LEGEND	
	VALVE
	GATE
	LATERAL
	MAIN LINE
	P.O.C.

SEE SHEETS 10-2 AND 10-3 FOR P.O.C. LOCATIONS.

DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS
LAND DIVISION STATE OF NEVADA DEPARTMENT OF AGRICULTURE 1000 SOUTH MAIN STREET, SUITE 100 CARSON CITY, NEVADA 89401 PHONE: (775) 335-2200 FAX: (775) 335-2205					
PROJECT NO.	87	APPLICANT	BRONKHAD	DATE	4/19/05
SHEET NO.	LD-40	IRRIGATION PLAN			

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-01.03, F.A.C.

AUTHORITY: TOWN OF DAVIE

DATE	BY	REVISION	PROJECT	DATE	BY	REVISION

LAND SURVEYING  
 STATE OF FLORIDA  
 LICENSE NO. 12345  
 EXPIRES 12/31/2025

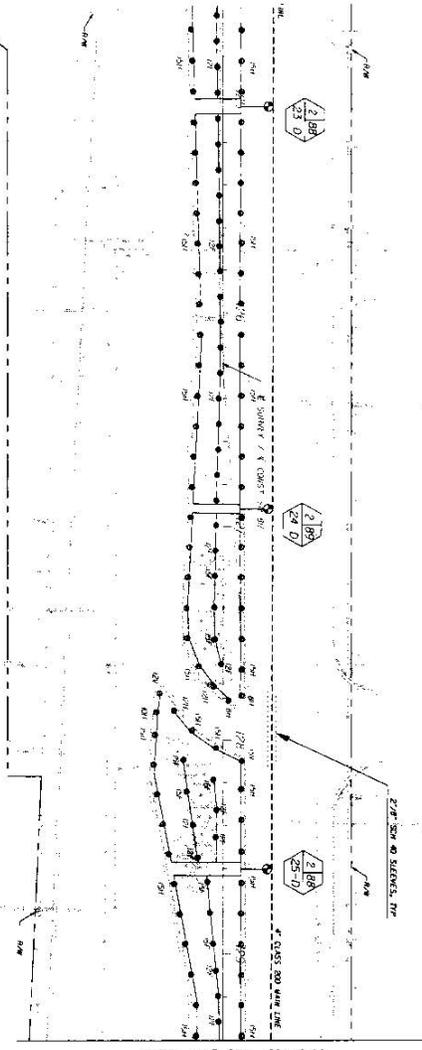
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 PROJECT NO. 43796-1-52-01  
 SECTION 100 AND 101 AND 102  
 AND SURROUNDING AREAS

IRRIGATION PLAN

SHEET NO. LD-41

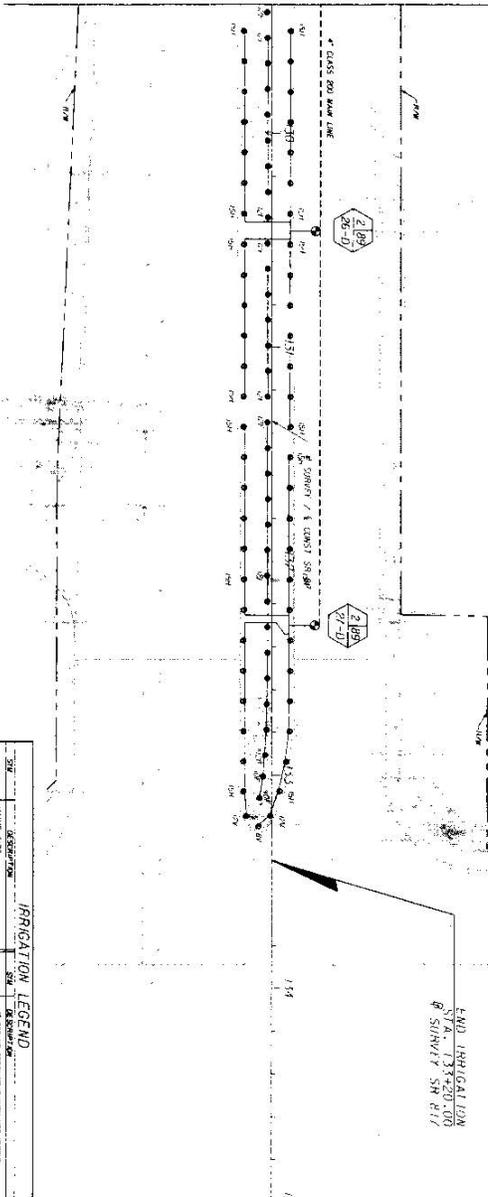
IRRIGATION LEGEND

SYM	DESCRIPTION
①	VALVE
②	PISTON VALVE
③	2" CLASS 300 MAIN LINE
④	4" CLASS 300 MAIN LINE
⑤	6" CLASS 300 MAIN LINE
⑥	8" CLASS 300 MAIN LINE
⑦	12" CLASS 300 MAIN LINE
⑧	18" CLASS 300 MAIN LINE
⑨	24" CLASS 300 MAIN LINE
⑩	30" CLASS 300 MAIN LINE
⑪	36" CLASS 300 MAIN LINE
⑫	42" CLASS 300 MAIN LINE
⑬	48" CLASS 300 MAIN LINE
⑭	54" CLASS 300 MAIN LINE
⑮	60" CLASS 300 MAIN LINE
⑯	66" CLASS 300 MAIN LINE
⑰	72" CLASS 300 MAIN LINE
⑱	78" CLASS 300 MAIN LINE
⑲	84" CLASS 300 MAIN LINE
⑳	90" CLASS 300 MAIN LINE
㉑	96" CLASS 300 MAIN LINE
㉒	102" CLASS 300 MAIN LINE
㉓	108" CLASS 300 MAIN LINE
㉔	114" CLASS 300 MAIN LINE
㉕	120" CLASS 300 MAIN LINE
㉖	126" CLASS 300 MAIN LINE
㉗	132" CLASS 300 MAIN LINE
㉘	138" CLASS 300 MAIN LINE
㉙	144" CLASS 300 MAIN LINE
㉚	150" CLASS 300 MAIN LINE
㉛	156" CLASS 300 MAIN LINE
㉜	162" CLASS 300 MAIN LINE
㉝	168" CLASS 300 MAIN LINE
㉞	174" CLASS 300 MAIN LINE
㉟	180" CLASS 300 MAIN LINE
㊱	186" CLASS 300 MAIN LINE
㊲	192" CLASS 300 MAIN LINE
㊳	198" CLASS 300 MAIN LINE
㊴	204" CLASS 300 MAIN LINE
㊵	210" CLASS 300 MAIN LINE
㊶	216" CLASS 300 MAIN LINE
㊷	222" CLASS 300 MAIN LINE
㊸	228" CLASS 300 MAIN LINE
㊹	234" CLASS 300 MAIN LINE
㊺	240" CLASS 300 MAIN LINE
㊻	246" CLASS 300 MAIN LINE
㊼	252" CLASS 300 MAIN LINE
㊽	258" CLASS 300 MAIN LINE
㊾	264" CLASS 300 MAIN LINE
㊿	270" CLASS 300 MAIN LINE
⊕	276" CLASS 300 MAIN LINE
⊖	282" CLASS 300 MAIN LINE
⊗	288" CLASS 300 MAIN LINE
⊘	294" CLASS 300 MAIN LINE
⊙	300" CLASS 300 MAIN LINE
⊚	306" CLASS 300 MAIN LINE
⊛	312" CLASS 300 MAIN LINE
⊜	318" CLASS 300 MAIN LINE
⊝	324" CLASS 300 MAIN LINE
⊞	330" CLASS 300 MAIN LINE
⊟	336" CLASS 300 MAIN LINE
⊠	342" CLASS 300 MAIN LINE
⊡	348" CLASS 300 MAIN LINE
⊢	354" CLASS 300 MAIN LINE
⊣	360" CLASS 300 MAIN LINE
⊤	366" CLASS 300 MAIN LINE
⊥	372" CLASS 300 MAIN LINE
⊦	378" CLASS 300 MAIN LINE
⊧	384" CLASS 300 MAIN LINE
⊨	390" CLASS 300 MAIN LINE
⊩	396" CLASS 300 MAIN LINE
⊪	402" CLASS 300 MAIN LINE
⊫	408" CLASS 300 MAIN LINE
⊬	414" CLASS 300 MAIN LINE
⊭	420" CLASS 300 MAIN LINE
⊮	426" CLASS 300 MAIN LINE
⊯	432" CLASS 300 MAIN LINE
⊰	438" CLASS 300 MAIN LINE
⊱	444" CLASS 300 MAIN LINE
⊲	450" CLASS 300 MAIN LINE
⊳	456" CLASS 300 MAIN LINE
⊴	462" CLASS 300 MAIN LINE
⊵	468" CLASS 300 MAIN LINE
⊶	474" CLASS 300 MAIN LINE
⊷	480" CLASS 300 MAIN LINE
⊸	486" CLASS 300 MAIN LINE
⊹	492" CLASS 300 MAIN LINE
⊺	498" CLASS 300 MAIN LINE
⊻	504" CLASS 300 MAIN LINE
⊼	510" CLASS 300 MAIN LINE
⊽	516" CLASS 300 MAIN LINE
⊾	522" CLASS 300 MAIN LINE
⊿	528" CLASS 300 MAIN LINE
Ⓚ	534" CLASS 300 MAIN LINE
Ⓛ	540" CLASS 300 MAIN LINE
Ⓜ	546" CLASS 300 MAIN LINE
Ⓨ	552" CLASS 300 MAIN LINE
Ⓩ	558" CLASS 300 MAIN LINE
ⓐ	564" CLASS 300 MAIN LINE
ⓑ	570" CLASS 300 MAIN LINE
ⓒ	576" CLASS 300 MAIN LINE
ⓓ	582" CLASS 300 MAIN LINE
ⓔ	588" CLASS 300 MAIN LINE
ⓕ	594" CLASS 300 MAIN LINE
ⓖ	600" CLASS 300 MAIN LINE
ⓗ	606" CLASS 300 MAIN LINE
ⓘ	612" CLASS 300 MAIN LINE
ⓙ	618" CLASS 300 MAIN LINE
ⓚ	624" CLASS 300 MAIN LINE
ⓛ	630" CLASS 300 MAIN LINE
ⓜ	636" CLASS 300 MAIN LINE
ⓝ	642" CLASS 300 MAIN LINE
ⓞ	648" CLASS 300 MAIN LINE
ⓟ	654" CLASS 300 MAIN LINE
ⓠ	660" CLASS 300 MAIN LINE
ⓡ	666" CLASS 300 MAIN LINE
ⓢ	672" CLASS 300 MAIN LINE
ⓣ	678" CLASS 300 MAIN LINE
ⓤ	684" CLASS 300 MAIN LINE
ⓖ	690" CLASS 300 MAIN LINE
ⓗ	696" CLASS 300 MAIN LINE
ⓘ	702" CLASS 300 MAIN LINE
ⓙ	708" CLASS 300 MAIN LINE
ⓚ	714" CLASS 300 MAIN LINE
ⓛ	720" CLASS 300 MAIN LINE
ⓜ	726" CLASS 300 MAIN LINE
ⓝ	732" CLASS 300 MAIN LINE
ⓞ	738" CLASS 300 MAIN LINE
ⓟ	744" CLASS 300 MAIN LINE
ⓠ	750" CLASS 300 MAIN LINE
ⓡ	756" CLASS 300 MAIN LINE
ⓢ	762" CLASS 300 MAIN LINE
ⓣ	768" CLASS 300 MAIN LINE
ⓤ	774" CLASS 300 MAIN LINE
ⓖ	780" CLASS 300 MAIN LINE
ⓗ	786" CLASS 300 MAIN LINE
ⓘ	792" CLASS 300 MAIN LINE
ⓙ	798" CLASS 300 MAIN LINE
ⓚ	804" CLASS 300 MAIN LINE
ⓛ	810" CLASS 300 MAIN LINE
ⓜ	816" CLASS 300 MAIN LINE
ⓝ	822" CLASS 300 MAIN LINE
ⓞ	828" CLASS 300 MAIN LINE
ⓟ	834" CLASS 300 MAIN LINE
ⓠ	840" CLASS 300 MAIN LINE
ⓡ	846" CLASS 300 MAIN LINE
ⓢ	852" CLASS 300 MAIN LINE
ⓣ	858" CLASS 300 MAIN LINE
ⓤ	864" CLASS 300 MAIN LINE
ⓖ	870" CLASS 300 MAIN LINE
ⓗ	876" CLASS 300 MAIN LINE
ⓘ	882" CLASS 300 MAIN LINE
ⓙ	888" CLASS 300 MAIN LINE
ⓚ	894" CLASS 300 MAIN LINE
ⓛ	900" CLASS 300 MAIN LINE
ⓜ	906" CLASS 300 MAIN LINE
ⓝ	912" CLASS 300 MAIN LINE
ⓞ	918" CLASS 300 MAIN LINE
ⓟ	924" CLASS 300 MAIN LINE
ⓠ	930" CLASS 300 MAIN LINE
ⓡ	936" CLASS 300 MAIN LINE
ⓢ	942" CLASS 300 MAIN LINE
ⓣ	948" CLASS 300 MAIN LINE
ⓤ	954" CLASS 300 MAIN LINE
ⓖ	960" CLASS 300 MAIN LINE
ⓗ	966" CLASS 300 MAIN LINE
ⓘ	972" CLASS 300 MAIN LINE
ⓙ	978" CLASS 300 MAIN LINE
ⓚ	984" CLASS 300 MAIN LINE
ⓛ	990" CLASS 300 MAIN LINE
ⓜ	996" CLASS 300 MAIN LINE
ⓝ	1002" CLASS 300 MAIN LINE
ⓞ	1008" CLASS 300 MAIN LINE
ⓟ	1014" CLASS 300 MAIN LINE
ⓠ	1020" CLASS 300 MAIN LINE
ⓡ	1026" CLASS 300 MAIN LINE
ⓢ	1032" CLASS 300 MAIN LINE
ⓣ	1038" CLASS 300 MAIN LINE
ⓤ	1044" CLASS 300 MAIN LINE
ⓖ	1050" CLASS 300 MAIN LINE
ⓗ	1056" CLASS 300 MAIN LINE
ⓘ	1062" CLASS 300 MAIN LINE
ⓙ	1068" CLASS 300 MAIN LINE
ⓚ	1074" CLASS 300 MAIN LINE
ⓛ	1080" CLASS 300 MAIN LINE
ⓜ	1086" CLASS 300 MAIN LINE
ⓝ	1092" CLASS 300 MAIN LINE
ⓞ	1098" CLASS 300 MAIN LINE
ⓟ	1104" CLASS 300 MAIN LINE
ⓠ	1110" CLASS 300 MAIN LINE
ⓡ	1116" CLASS 300 MAIN LINE
ⓢ	1122" CLASS 300 MAIN LINE
ⓣ	1128" CLASS 300 MAIN LINE
ⓤ	1134" CLASS 300 MAIN LINE
ⓖ	1140" CLASS 300 MAIN LINE
ⓗ	1146" CLASS 300 MAIN LINE
ⓘ	1152" CLASS 300 MAIN LINE
ⓙ	1158" CLASS 300 MAIN LINE
ⓚ	1164" CLASS 300 MAIN LINE
ⓛ	1170" CLASS 300 MAIN LINE
ⓜ	1176" CLASS 300 MAIN LINE
ⓝ	1182" CLASS 300 MAIN LINE
ⓞ	1188" CLASS 300 MAIN LINE
ⓟ	1194" CLASS 300 MAIN LINE
ⓠ	1200" CLASS 300 MAIN LINE



NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 69B-23.005, F.A.C.

MATCH LINE STA. 129+40.00



END IRRIGATION  
STA. 133+20.00  
SUBVEY SR 617



MAINTAINING AUTHORITY: TOWN OF DAVIE

IRRIGATION LEGEND	
(Symbol)	DESCRIPTION
(Symbol)	VALVE SIZE
(Symbol)	VALVE TYPE
(Symbol)	VALVE SIZE
(Symbol)	VALVE TYPE
(Symbol)	ELECTRIC CONTROL VALVE
(Symbol)	GATE VALVE
(Symbol)	NO. 100 AND 200 IRRIGATION QUANTITIES
(Symbol)	SECTION OF 100 AND 200 IRRIGATION QUANTITIES

DATE	REVISED	BY	REVISION
12/20/20	12/20/20	12/20/20	12/20/20
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TALLAHASSEE, FLORIDA 32310-0001		PROJECT NO. 133+20.00 CONTRACT NO. SR 617 DRAWING NO. 133+20.00	
<b>IRRIGATION PLAN</b>			
SHEET NO. 10			SHEET TOTAL 42

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.

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