



**CITY OF FORT LAUDERDALE  
City Commission Agenda Memo  
REGULAR MEETING**

**#24-0805**

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**TO:** Honorable Mayor & Members of the  
Fort Lauderdale City Commission

**FROM:** Susan Grant, Acting City Manager

**DATE:** September 17, 2024

**TITLE:** Resolution Approving the Locally Funded Agreement and Three-Party Escrow Agreement with the Florida Department of Transportation for improvements within the Right-of-Way of State Road A1A south of NE 14<sup>th</sup> Court - **(Commission District 2)**

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**Recommendation**

Staff recommends the City Commission adopt a resolution authorizing execution of the Locally Funded Agreement (LFA) and Three-Party Escrow Agreement with the Florida Department of Transportation (FDOT), in substantially the form attached, for the installation of the bulb outs and pavers, stamped asphalt crosswalk, and pedestrian turtle compliant lighting associated with a new signalized crosswalk on State Road A1A south of NE 14<sup>th</sup> Court to be consistent with the existing treatments on State Road A1A.

**Background**

On January 31, 2008, the City of Fort Lauderdale entered into a Landscape Maintenance Memorandum of Agreement with FDOT for the purpose of the City maintaining landscape and hardscape improvements on State Road A1A between US-1 and Flamingo Avenue. The MMOA was amended various times in the past to address changes to the streetscape along State Road A1A.

In 2021, the City received a request from residents seeking an additional crosswalk just south of NE 14<sup>th</sup> Court to enable for safe crossing of State Road A1A at that location. Since State Road A1A is under the jurisdiction of FDOT, the request was forwarded to FDOT for consideration.

Following their analysis, FDOT determined that the signalized crosswalk is warranted and has programmed the project for construction as part of their work program.

The project will include decorative elements to match the existing conditions in this area consistent with the treatments installed in the past. While FDOT will include the design of decorative elements in the plans, the City will be responsible for cost of installation of those decorative elements.

If approved, the new crosswalk will include the following decorative elements consistent with the current pallet on State Road A1A:

- bulb-outs to meet requirements for site visibility of pedestrians with consistent pavers
- stamped asphalt crosswalk in the wave pattern consistent with other crosswalks
- pedestrian turtle compliant light fixture

The City's funding contribution for these decorative elements is \$82,917 based on the engineer's cost estimate, and FDOT is requiring LFA and Three-Party Escrow Agreements to proceed.

The purpose of LFA is to establish the terms and conditions for the local contribution associated with decorative elements that are beyond standard FDOT streetscape treatments.

The purpose of Three-Party Escrow Agreement is to establish the terms of receiving the local funds to be held in escrow through an Escrow Agent for the local contribution toward the construction of decorative elements.

Construction is anticipated to start in Summer 2025.

### **Resource Impact**

The fiscal impact associated with this action is \$82,917. The funding for this project was approved on the September 3, 2024, Consolidated Budget Amendment, CAM 24-0325.

Source:

<i>Funds available as of August 16, 2024</i>					
ACCOUNT NUMBER	COST CENTER NAME	CHARACTER CODE/ ACCOUNT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
10-001-0000-000-399-999	GENERAL FUND	BALANCES & RESERVES/ APPROPRIATED FUND BALANCE	N/A	N/A	\$82,917
<b>TOTAL AMOUNT →</b>					<b>\$82,917</b>

Use:

ACCOUNT NUMBER	COST CENTER NAME	CHARACTER CODE/ ACCOUNT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
10-001-8040-545-40-4199	TRANSPORTATION PLANNING	OTHER OPERATING EXPENSES/ OTHER CONTRIBUTIONS	\$15,158	\$15,359	\$82,917
<b>TOTAL AMOUNT →</b>					<b>\$82,917</b>

### **Strategic Connections**

This item is a *2024 Commission Priority*, advancing the Transportation and Traffic initiative.

This item supports the *Press Play Fort Lauderdale 2029 Strategic Plan*, specifically advancing:

- The Infrastructure & Resilience Focus Area
- Goal 4: Facilitate an efficient, multimodal transportation network.

This item advances the *Fast Forward Fort Lauderdale Vision Plan 2035: We Are Connected*.

*This item supports the Advance Fort Lauderdale 2040 Comprehensive Plan specifically advancing:*

- Infrastructure Focus Area
- Transportation and Mobility Element
- Goal 2: Obtain the highest possible value and utility from investments in the City's Transportation Network

#### **Related CAM**

24-0790

#### **Attachments**

Exhibit 1 – Locally Funding Agreement  
Exhibit 2 – Three-Party Escrow Agreement  
Exhibit 3 – Location Map  
Exhibit 4 – Resolution

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Prepared by: Karen Warfel, Division Manager, Transportation and Mobility

Acting Department Director: Milos Majstorovic, MSCE, PE, Transportation and Mobility

**CR-2**    [24-0790](#)

Resolution Approving the Nineteenth Amendment to the Landscape Inclusive Maintenance Memorandum of Agreement with the Florida Department of Transportation for Improvements Within the Right-of-Way of State Road A1A, South of NE 14th Court - (Commission District 2)

**ADOPTED**

**Yea:** 5 - Vice Mayor Glassman, Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst and Mayor Trantalis

**CR-3**    [24-0805](#)

Resolution Approving a Locally Funded Agreement and Three-Party Escrow Agreement with the Florida Department of Transportation for Improvements within the Right-of-Way of State Road A1A, South of NE 14th Court - (Commission District 2)

**ADOPTED**

**Yea:** 5 - Vice Mayor Glassman, Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst and Mayor Trantalis

**CR-4**    [24-0864](#)

Resolution Rescinding Resolution No. 24-150, and Calling for a Public Hearing to Establish Minimum Annual Rent Rates for Leases at the Fort Lauderdale Executive Airport and Adopting a Brokerage Commission Policy for the Fort Lauderdale Executive Airport - (Commission District 1)

**ADOPTED**

**Yea:** 5 - Vice Mayor Glassman, Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst and Mayor Trantalis

**CR-5**    [24-0869](#)

Resolution Amending Resolution No. 19-111 to Authorize the City Manager to Approve and Execute Applications and Requests for Insurance Policy Amendments, Endorsements, and Riders - (Commission Districts 1, 2, 3 and 4)

**ADOPTED**

**Yea:** 5 - Vice Mayor Glassman, Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst and Mayor Trantalis

**CR-6**    [24-0888](#)

Resolution Rescheduling City Commission Meeting Date(s) in 2025 - (Commission Districts 1, 2, 3 and 4)

**ADOPTED**

**Yea:** 5 - Vice Mayor Glassman, Commissioner Beasley-Pittman, Commissioner Sturman, Commissioner Herbst and Mayor Trantalis



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
LOCALLY FUNDED AGREEMENT

THIS Locally Funded Agreement ("Agreement"), entered into this 17 day of September 2024, by and between the State of Florida Department of Transportation hereinafter called the DEPARTMENT, and City of Fort Lauderdale located at 101 NE 3rd Avenue Suite 2100, Fort Lauderdale, Florida 33301, hereinafter called the PARTICIPANT.

**WITNESSETH**

WHEREAS, the DEPARTMENT and the PARTICIPANT are desirous of having the PARTICIPANT provide additional financial assistance to the DEPARTMENT for construction work related to the DEPARTMENT'S traffic signal work along SR-A1A/N. Fort Lauderdale Beach Blvd. South of NE 14<sup>th</sup> Court in Broward County, Florida. (Financial Management (FM) Number 452467-1-52-01, Funded in Fiscal Year 2024/2025); and

WHEREAS, as part of the DEPARTMENT'S construction work, the PARTICIPANT has requested that the DEPARTMENT perform the following additional work: construction of a mid-block pedestrian crossing and decorative elements (Financial Management (FM) number 452467-1-52-02, Funded in Fiscal Year 2024/2025) as set forth in **Exhibit A** attached hereto and made a part hereof and 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. 24-185 dated the 17<sup>th</sup> day of September 2024, a copy of which is attached hereto and made a part hereof, authorizes the Mayor, Vice-Mayor, or designee 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 DEPARTMENT shall have the sole responsibility for resolving claims and requests for additional work for the Project. The DEPARTMENT will make reasonable efforts to obtain the PARTICIPANT input in its decisions.
5. The total cost of the Department's construction work and the Project is estimated to be SIX HUNDRED SEVENTY-TWO THOUSAND FIVE HUNDRED AND FORTY-TWO DOLLARS AND ZERO CENTS (\$672,542.00). The PARTICIPANT'S share for the Project is an estimated amount of EIGHTY-TWO THOUSAND NINE HUNDRED SEVENTEEN DOLLARS AND NO CENTS (\$82,917.00), which sum shall be paid to the DEPARTMENT. In the event the actual cost of the Project is less than the PARTICIPANT'S payment, the difference shall be refunded to the PARTICIPANT. In the event the actual cost of the Project, without modifications, results in a sum greater than that paid by the PARTICIPANT, the additional cost shall be the sole responsibility of the PARTICIPANT and shall be paid to the DEPARTMENT.
  - (A) The PARTICIPANT agrees that it will, within thirty (30) calendar days of the execution of this Agreement, remit payment to the DEPARTMENT in the amount of EIGHTY-TWO THOUSAND NINE HUNDRED SEVENTEEN DOLLARS AND NO CENTS (\$82,917.00) for the Project.

In the event payment is not received by the DEPARTMENT within thirty (30) calendar days of execution of this Agreement the DEPARTMENT reserves the right to terminate this Agreement and remove the Project from the DEPARTMENT'S Work Program.

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 Number 452467-1-52-02. The DEPARTMENT shall utilize this amount towards the costs of Project No. 452467-1-52-02.

Payment shall be mailed to:  
Florida Department of Transportation  
Office of Comptroller  
General Accounting Office, LFA Section  
605 Suwannee Street, MS 42B  
Tallahassee, Florida 32399

In lieu of mailing payment to the DEPARTMENT, the PARTICIPANT may also submit the payment for the Project via wire transfer.

Wire transfer/Payments are to be made to:  
Wells Fargo Bank, N.A.  
Account # 4834783896  
ABA # 121000248  
State of Florida Department of Financial Services  
Bureau of Collateral Management  
Re: DOT – K 11-78, Financial project #452467-1-52-02.

In order for FDOT to receive credit for the funds due to the Department, the reference line must contain "FDOT" and an abbreviated purpose, financial project number or LFA account number.

Once the wire transfer is complete, the PARTICIPANT will contact Ms. Morgan Harris at [Morgan.Harris@dot.state.fl.us](mailto:Morgan.Harris@dot.state.fl.us). In addition to contacting Ms. Harris, the PARTICIPANT shall send an email notification to [D4-LFA@dot.state.fl.us](mailto:D4-LFA@dot.state.fl.us) stating the day and time the wire transfer was sent.

- (B) The PARTICIPANT'S share of the accepted bid for the Project (hereinafter referred to as "Accepted Bid") and the DEPARTMENT'S work plus allowances is hereinafter defined as the "Total Accepted Bid". Allowances are hereby defined as contingency, mobilization (MOB), and Maintenance of Traffic (MOT). If the PARTICIPANT'S share of the accepted bid for the Project is more than the advance deposit amount, the PARTICIPANT will provide an additional deposit within fourteen (14) calendar days of notification from the DEPARTMENT. The DEPARTMENT will notify the PARTICIPANT as soon as it becomes apparent the accepted bid amount is more than 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 and the DEPARTMENT'S written consent to the payment of the additional deposit and said date. 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. In the event of non-payment, the DEPARTMENT reserves the right to terminate this Agreement and remove the Project from the DEPARTMENT'S Work Program.
- (C) If the PARTICIPANT'S payment for the accepted bid amount is less than the advance deposit amount, the DEPARTMENT will refund the amount that the advance deposit exceeds the PARTICIPANT'S payment for the accepted bid amount if such refund is requested by the PARTICIPANT in writing.
- (D) Should Project modifications occur that increase the PARTICIPANT'S payment for the Project, 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 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, for the Project, not paid within forty (40) 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. In the event the PARTICIPANT fails to make the additional payment within the time hereinabove set forth, in addition to any other remedy, the DEPARTMENT reserves the right to terminate this Agreement.

- (E) The DEPARTMENT intends to have its final and complete accounting of all costs incurred in connection with the work performed hereunder within three hundred and sixty (360) days of final payment to the Consultant. 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, the excess funding will be refunded 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.
- (F) In the event the final accounting of total Project costs indicate that the Project costs are 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.
- (G) Upon receipt of payment, from the PARTICIPANT to the DEPARTMENT, the DEPARTMENT will then forward the PARTICIPANT's payment to the Department of Financial Services, Division of Treasury for deposit as provided in the Three-Party Escrow Agreement (3PEA) between the PARTICIPANT, the DEPARTMENT and the State of Florida, Department of Financial Services, Division of Treasury, a copy of which is attached hereto and made a part hereof as **Exhibit B**.
6. Upon completion of the Project, the PARTICIPANT shall be responsible for the maintenance of mid-block pedestrian signal. The PARTICIPANT will comply with the provisions set forth in the Maintenance Memorandum of Agreement (MMOA) executed February 25, 2014, which is attached hereto and made a part hereof as **Exhibit C**. The PARTICIPANT shall agree to maintain the Project in accordance with the terms of **Exhibit C**. The terms of this paragraph shall survive the termination of this Agreement.
7. Notwithstanding the foregoing, the PARTICIPANT shall also be responsible for the maintenance of the patterned pavement and pavers.
- The PARTICIPANT will comply with the provisions set forth Landscape Maintenance Memorandum of Agreement (LMMOA) which is attached hereto and made a part hereof as **Exhibit D**. The PARTICIPANT shall agree to maintain the Project in accordance with the terms of **Exhibit D**. The terms of this paragraph shall survive the termination of this Agreement.
8. 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. The jurisdictional venue with respect to any such litigation is Broward County.

9. 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.
10. 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 (FM# 452467-1-52-02) is completed as evidenced by the written acceptance of the DEPARTMENT.
11. 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.
12. The PARTICIPANT / Vendor/ Contractor:
  - (A) shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the PARTICIPANT / Vendor/ Contractor during the term of the contract; and
  - (B) shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
13. This Agreement is governed by and construed in accordance with the laws of the State of Florida.
14. 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.
15. 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: Mya (Williams) Gray  
With a copy to: Omid Fallahinejad  
A second copy to: Office of the General Counsel

If to the PARTICIPANT:

City of Fort Lauderdale  
401 SE 21st. Street  
Fort Lauderdale, Florida 33316  
Attn: Karen Warfel  
With a copy to: City Attorney

**This space is intentionally left blank.**

IN WITNESS WHEREOF, the PARTICIPANT has caused this Agreement to be executed in its behalf, by the Chair/Commission of the City of Fort Lauderdale or its designee, as authorized by Resolution No. 24-185 ; and the FLORIDA DEPARTMENT OF TRANSPORTATION has caused this Agreement to be executed in its behalf through its Director of Transportation Development or authorized designee.

**CITY OF FORT LAUDERDALE**

By: [Signature]  
Dean J. Trantalis, Mayor  
30 day of Sept, 2024

By: [Signature]  
Susan Grant, Acting City Manager  
23rd day of Sept., 2024

**ATTEST:**

By: [Signature]  
David R. Solomon  
City Clerk for the City of Fort Lauderdale



**APPROVED AS TO FORM AND CORRECTNESS:**

Thomas J. Ansbro, City Attorney

By: [Signature]  
Kimberly Cunningham Mosley  
Assistant City Attorney

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**

By: \_\_\_\_\_  
John P. Krane, P.E.  
Director of Transportation Development

**APPROVED:**

By: \_\_\_\_\_  
Francine Steelman  
Office of the General Counsel

**APPROVED**

By: \_\_\_\_\_  
Jessica Rubio  
District Program Management Administrator

### **THREE PARTY ESCROW AGREEMENT**

THIS AGREEMENT is made and entered into by and between the State of Florida, Department of Transportation ("FDOT"), City of Fort Lauderdale ("Participant"), and the State of Florida, Department of Financial Services, Division of Treasury ("Escrow Agent"), and shall become effective upon the Agreement's execution by Escrow Agent.

WHEREAS, FDOT and Participant are engaged in the following project ("Project"):

Project Name: SR-A1A/N. FT. LAUDERDALE BEACH BLVD SOUTH OF NE 14TH CRT  
Project #: 452467-1-52-02  
County: Broward

WHEREAS, FDOT and Participant desire to establish an escrow account for the project.

NOW THEREFORE, in consideration of the premises and the covenants contained herein, the parties agree to the following:

1. An initial deposit will be made into an interest-bearing escrow account established hereunder for the purposes of the Project. The escrow account will be opened with the Escrow Agent on behalf of FDOT upon Escrow Agent's receipt and execution of this Agreement.
2. Other deposits to the escrow account may be made during the life of this agreement.
3. Deposits will be delivered in accordance with instructions provided by the Escrow Agent to the FDOT for deposit into the escrow account. A wire transfer or ACH deposit is the preferred method of payment and should be used whenever possible.
4. FDOT's Comptroller or designee shall be the sole signatory to the escrow account with the Escrow Agent and shall have sole authority to authorize withdrawals from the account. Withdrawals will only be made to FDOT or the Participant in accordance with the instructions provided to the Escrow Agent by FDOT's Comptroller or designee.
5. Moneys in the escrow account will be invested in accordance with section 17.61, Florida Statutes. The Escrow Agent will invest the money expeditiously. Income is only earned from the moneys invested. There is no guaranteed rate of return. Investments in the escrow account will be assessed at a fee in accordance with Section 17.61(4)(b), Florida Statutes. All income of the investments shall accrue to the escrow account.
6. Unless instructed otherwise by FDOT, all interest accumulated in the escrow account shall remain in the account for the purposes of the Project.

7. The Escrow Agent agrees to provide written confirmation of receipt of funds to FDOT. FDOT agrees to provide a copy of such written confirmation to Participant upon request.
8. The Escrow Agent further agrees to provide quarterly reports to FDOT concerning the escrow account. FDOT agrees to provide a copy of such quarterly reports to Participant upon request.
9. The Escrow Agent shall not be liable for any error of judgment or for any act done or omitted by it in good faith, or for anything which it may in good faith do or refrain from doing in connection herewith.
10. Escrow Agent shall have no liability for any claim, cost, expense, damage or loss due to the acts or omissions of FDOT and Participant, nor from any separate agreements between FDOT and Participant and shall have no responsibility to monitor or enforce any responsibilities herein or in any separate agreements associated with this Agreement between FDOT and Participant.
11. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Florida.
12. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
13. This Agreement shall terminate upon disbursement by the Escrow Agent of all money held by it in the escrow account in accordance with the instructions given by FDOT's Comptroller or designee and notification from FDOT to Escrow Agent that the account is to be closed.

*The remainder of this page is blank.*

IN WITNESS WHEREOF, the parties have duly executed the Agreement on the date(s) below.

\_\_\_\_\_  
For FDOT-OOC (signature)

\_\_\_\_\_  
Name and Title

59-3024028  
Federal Employer I.D. Number

\_\_\_\_\_  
Date

FDOT Legal Review:

\_\_\_\_\_

\_\_\_\_\_  
For Escrow Agent (signature)

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Date

  
For PARTICIPANT (signature)

Dean J. Trantalis, Mayor  
Name and Title

59-6000319  
Federal Employer I.D. Number

\_\_\_\_\_  
Date

  
For PARTICIPANT (signature)

Susan Grant, Acting City Manager  
Name and Title

9/23/2024  
Date

ATTEST:

  
David R. Soloman, City Clerk



APPROVED AS TO FORM AND  
CORRECTNESS:

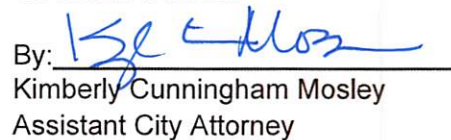
By:   
Kimberly Cunningham Mosley  
Assistant City Attorney



EXHIBIT "A"  
SCOPE OF SERVICES  
FM#: 452467-1-52-02

The PARTICIPANT will be contributing funds to the Project. The Project scope of work shall include the following:

- Construction (installation) of stamped asphalt crosswalks
- Construction (installation) of pavers
- Construction of pedestrian light fixture

The PARTICIPANT will be responsible for maintaining the decorative elements referenced above in accordance with the Project Maintenance and Landscape Memorandum of Agreements.

**Exhibit B**  
**THREE PARTY ESCROW AGREEMENT**

THIS AGREEMENT is made and entered into by and between the State of Florida, Department of Transportation ("FDOT"), City of Fort Lauderdale ("Participant"), and the State of Florida, Department of Financial Services, Division of Treasury ("Escrow Agent"), and shall become effective upon the Agreement's execution by Escrow Agent.

WHEREAS, FDOT and Participant are engaged in the following project ("Project"):

Project Name: SR-A1A/N. FT. LAUDERDALE BEACH BLVD SOUTH OF NE 14TH CRT  
Project #: 452467-1-52-02  
County: Broward

WHEREAS, FDOT and Participant desire to establish an escrow account for the Project.

NOW THEREFORE, in consideration of the premises and the covenants contained herein, the parties agree to the following:

1. An initial deposit will be made into an interest-bearing escrow account established hereunder for the purposes of the Project. The escrow account will be opened with the Escrow Agent on behalf of FDOT upon Escrow Agent's receipt and execution of this Agreement.
2. Other deposits to the escrow account may be made during the life of this Agreement.
3. Deposits will be delivered in accordance with instructions provided by the Escrow Agent to the FDOT for deposit into the escrow account. A wire transfer or ACH deposit is the preferred method of payment and should be used whenever possible.
4. FDOT's Comptroller or designee shall be the sole signatory on the escrow account with the Escrow Agent and shall have sole authority to authorize withdrawals from the account. Withdrawals will only be made to FDOT or the Participant in accordance with the instructions provided to the Escrow Agent by FDOT's Comptroller or designee.
5. Moneys in the escrow account will be invested in accordance with section 17.61, Florida Statutes. The Escrow Agent will invest the money expeditiously. Income is only earned on the moneys invested. There is no guaranteed rate of return. Investments in the escrow account will be assessed at a fee in accordance with Section 17.61(4)(b), Florida Statutes. All income of the investments shall accrue to the escrow account.

6. Unless instructed otherwise by FDOT, all interest accumulated in the escrow account shall remain in the account for the purposes of the Project.
7. The Escrow Agent agrees to provide written confirmation of receipt of funds to FDOT. FDOT agrees to provide a copy of such written confirmation to Participant upon request.
8. The Escrow Agent further agrees to provide quarterly reports to FDOT concerning the escrow account. FDOT agrees to provide a copy of such quarterly reports to Participant upon request.
9. The Escrow Agent shall not be liable for any error of judgment or for any act done or omitted by it in good faith, or for anything which it may in good faith do or refrain from doing in connection herewith.
10. Escrow Agent shall have no liability for any claim, cost, expense, damage or loss due to the acts or omissions of FDOT and Participant, nor from any separate agreements between FDOT and Participant and shall have no responsibility to monitor or enforce any responsibilities herein or in any separate agreements associated with this Agreement between FDOT and Participant.
11. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Florida.
12. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
13. This Agreement shall terminate upon disbursement by the Escrow Agent of all money held by it in the escrow account in accordance with the instructions given by FDOT's Comptroller or designee and notification from FDOT to Escrow Agent that the account is to be closed.

***The remainder of this page is blank.***

IN WITNESS WHEREOF, the parties have duly executed the Agreement on the date(s) below.

\_\_\_\_\_  
For FDOT (signature)

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
59-3024028

\_\_\_\_\_  
Federal Employer I.D. Number

\_\_\_\_\_  
Date

\_\_\_\_\_  
For PARTICIPANT (signature)

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
F-596-000-319

\_\_\_\_\_  
Federal Employer I.D. Number

\_\_\_\_\_  
Date

FDOT Legal Review:

\_\_\_\_\_

\_\_\_\_\_  
For Escrow Agent (signature)

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Date

NOT for Execution.

**EXHIBIT C**

**Maintenance Memorandum of Agreement  
City of Fort Lauderdale**



① Original 8/28/14 ②

**DOCUMENT ROUTING FORM**

**DOCUMENTS:**

1. **MEMORANDUM OF AGREEMENT (MOA) WITH FDOT FOR NEW IMPROVEMENTS AT A1A FROM N.E. 9TH STREET TO JUST NORTH OF N.E. 18TH STREET; AND**
2. **SIXTH AMENDMENT TO MEMORANDUM OF AGREEMENT WITH FDOT FOR IMPROVEMENTS AT A1A FROM N.E. 9TH STREET TO N.E. 18TH STREET**

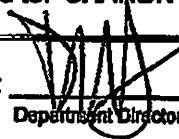
Approved Comm. Mtg. on **JANUARY 22, 2014** CAM #: **14-0011** ITEM: **CR-4**

Routing Origin: ☒ CAO ☐ ENG. ☐ COMM. DEV. ☐ OTHER \_\_\_\_\_

Also attached: ☒ copy of CAR ☒ copy of document ☐ ACM Form ☒ 4 originals

On 1/23/14, Linda B. forwarded to: **SHARON DREESEN, TRANSPORTATION & MOBILITY**

1.) Approved as to Content:

  
\_\_\_\_\_  
Department Director 1-23-2014

Capital Improvements defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, fixtures) that add value and/or extend useful life, i.e. major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, real.

Please Check the proper box: CIP FUNDED ☐ YES ☒ NO  
Capital Improvement Projects

2.) Approved as to Funds Available: by \_\_\_\_\_ Date: \_\_\_\_\_  
Finance Director

No fiscal impact at this time, as the improvements will not take place for approximately two years.

Amount Required by Contract/Agreement \$ \_\_\_\_\_ Funding Source: \_\_\_\_\_

Dept./Div. \_\_\_\_\_ Index/Sub-object \_\_\_\_\_ Project # \_\_\_\_\_

3.) City Attorney's Office approved as to form: 5 originals of each to City Mgr. By: CAO

Diansjahn Williams-Persad \_\_\_\_\_

4.) Approved as to content: Assistant City Manager:

By: \_\_\_\_\_ By: \_\_\_\_\_  
Stanley Hawthorne, Assistant City Manager Susanne Torriente, Assistant City Manager

5.) City Manager: Please sign as indicated and forward 5 originals of each to Mayor.

6.) Mayor: Please sign as indicated and forward 5 originals of each to Clerk.

7.) To City Clerk for attestation and City seal.

**INSTRUCTIONS TO CLERK'S OFFICE**

8.) City Clerk forwards 5 of each original documents to:

**SHARON DREESEN, TRANSPORTATION & MOBILITY.**

☒ Original Route form to Linda Blanco, CAO ☒ Attach 2 certified copies of Reso. # \_\_\_\_\_



CITY OF  
**FORT LAUDERDALE**

Transportation and Mobility  
Department

**Memorandum #14-14**

DATE: February 17, 2014

TO: Jonda Joseph, City Clerk

FROM: Diana Alarcon, Director, Transportation and Mobility *DA*

SUBJECT: Document Routing for 1. Memorandum of Agreement (MOA) with FDOT for New Improvements at A1A from N.E. 9TH Street to just north of N.E. 18TH Street; and 2. Sixth Amendment to Memorandum of Agreement with FOOT for Improvements at A1A from N.E. 9TH STREET to N.E. 18TH Street

---

Please find attached one fully executed original of each of the above-referenced documents.

If you have any questions, please contact me at x3764.

Thank you.

Attachments (2)

cc: Bob Dunckel, Assistant City Attorney III

CITY CLERK  
2014 FEB 25 PM 6:04

CITY CLERK

2014 FEB 25 PM 6:04

SECTION NO.: 86050  
FM No.(s): 433688-4-52-01  
COUNTY: Broward  
S.R. No.: A1A

**DISTRICT FOUR  
MAINTENANCE MEMORANDUM OF AGREEMENT**

**THIS AGREEMENT**, made and entered into this 25<sup>th</sup> day of FEB 2014, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, a component agency of the State of Florida, hereinafter called the **DEPARTMENT**, and **City of Fort Lauderdale**, a municipal corporation existing under the Laws of Florida, hereinafter called the **AGENCY**.

**WITNESSETH:**

**WHEREAS**, the **DEPARTMENT** has jurisdiction over State Road A1A; and

**WHEREAS**, the **DEPARTMENT** seeks to install and have maintained by the **AGENCY** certain highway improvements; 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 State Road A1A (within the limits of the **AGENCY**); and

**WHEREAS**, it is the intent of the **AGENCY** and the **DEPARTMENT** that the **AGENCY** shall maintain the specific elements constructed under Project Number 433688-4-52-01 to include decorative light fixtures or poles, decorative sea wall, LED string lights and fiber-optic system servicing the decorative sea wall installed along State Road A1A between M.P. 3.248 and M.P. 4.322.

**WHEREAS**, landscape and all other hardscape elements shall be maintained under the inclusive agreement with the **AGENCY** dated January 31, 2008 and all amendments thereto.

**WHEREAS**, the Project involves the scope of work as described within **Exhibit A** and **Exhibit C**, which will benefit the **AGENCY**; and

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

**WHEREAS**, the **AGENCY** by Resolution No. 14-14 dated Jan. 22, 2014, 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**  
The **DEPARTMENT** has issued Project Number 433688-4-52-01 to reconstruct State Road A1A as detailed in **Exhibit A** and **Exhibit C** that will benefit the **AGENCY**.

3. MAINTENANCE OF FACILITIES

A. The **AGENCY** agrees to maintain the improvements to be installed under Project Number 433688-4-52-01 within the limits of construction. Maintenance by the **AGENCY** will include repair, restoration, and general maintenance of all decorative or non-standard features within the limits of construction. Non-standard items are defined as items requested by the **AGENCY** that are not defined in the **DEPARTMENT'S** Design Standards. This includes decorative light fixtures or poles, decorative sea wall, LED string lights and fiber-optic system servicing the decorative sea wall installed along State Road A1A between M.P. 3.248 and M.P. 4.322

- 1) The **AGENCY** shall be solely responsible for the maintenance and preservation of all colored coatings on light pole assemblies within the limits of construction. The **AGENCY** shall inspect the colored coatings on a yearly basis. All Maintenance or restoration activities shall be performed in accordance with a Maintenance Plan, as approved by the **DEPARTMENT**, as per the requirements in **Exhibit B**.
- 2) 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, reworking or AGREEMENT termination. The **AGENCY** shall not change or deviate from said plans without written approval of the **DEPARTMENT**.
- 3) The **AGENCY** shall be solely responsible for any damages to surrounding property, real estate, vehicles, pedestrians, attachments to the light poles, or other assets occurring as a result of coating operations and shall repair such damage to the satisfaction of the **DEPARTMENT** at no expense to the **DEPARTMENT**
- 4) Lighting assemblies and systems shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. Lighting shall meet requirements for the sea turtle nesting and hatching.
- 5) The **AGENCY** shall maintain the decorative sea wall installed along the east side of State Road A1A such that it is structurally stable and capable of supporting the expected loads which includes, but is not limited to, pedestrians, wind, and sand. Cracks shall be repaired and graffiti shall be removed from the sea wall in a timely manner. If the sea wall is damaged such that any portion is not structurally stable or presents a safety hazard to the public, it shall be repaired to a safe condition in a timely manner.

B. It is understood and agreed by the parties that upon "final acceptance" (as that term is described in the Standard Specifications for Roadway and Bridge Construction dated 2013, as amended by contract documents section 5-11) by the **DEPARTMENT** of the Project and Notice thereof to the **AGENCY**, the **AGENCY** shall be responsible for maintenance of the Project in accordance with the following Federally and State accepted standards (current editions at the time of execution of this Agreement and any amendments hereafter) and all costs related thereto: (a) FDOT Plans Preparation Manual (PPM), (b) Florida Green Book, (c) Standard Specifications for Roadway and Bridge Construction, as amended, (d) FDOT Design Standards and (e) Manual on Uniform Traffic Control Devices (MUTCD).

- C. If it becomes necessary to provide utilities (water/electricity) to these improvements, all costs associated with the utilities, accent lighting and/or irrigation systems including, but not limited to the impact and connection fees, and the on-going cost of utility usage for water and electrical, are the maintaining **AGENCY'S** responsibility.

- 1) The **AGENCY** shall be directly responsible for impact and connection

AND

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

AND

- 3) The **AGENCY** shall be responsible for the improvements immediately after final acceptance of the construction project by the **DEPARTMENT** except for the plant materials. The **AGENCY** shall be responsible for the maintenance of all improvements after the completion of the 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.

- E. Any work impacting traffic flow on SR-A1A must be coordinated with the **DEPARTMENT**. Lane closures must be submitted for approval in accordance with **DEPARTMENT** procedures and policies and will meet the goals established in the **DEPARTMENT's** Open Roads Policy.

4. NOTICE OF MAINTENANCE DEFICIENCIES

- A. If, at any time while the terms of this AGREEMENT are in effect, it shall come to the attention of the **DEPARTMENT** that the **AGENCY's** responsibility as established herein or a part thereof is not being properly accomplished pursuant to the terms of this AGREEMENT, the **DEPARTMENT** may issue a written notice, that a deficiency or deficiencies exist(s), by sending a certified letter to the **AGENCY**, in care of the CITY OF FORT LAUDERDALE CITY MANAGER, to place the **AGENCY** on notice regarding its maintenance deficiencies. Thereafter, the **AGENCY** shall have a period of thirty (30) days within which to correct the cited deficiency or deficiencies. If said deficiencies are not corrected within the time period, the **DEPARTMENT** may, at its option, proceed under one or more or a combination of the following items:

- 1) The **DEPARTMENT** may repair any item or a number of items. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
- 2) The **DEPARTMENT** may remove or replace any item or number of items with the standard **DEPARTMENT** item. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.



- 3) If there is no standard equivalent item or if in the **DEPARTMENT's** discretion the item is not necessary for the operations of the roadway, the **DEPARTMENT** may remove the item in its entirety and restore the area to a condition acceptable to the **DEPARTMENT**. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment and personnel. The actual cost for such work will be charged to the **AGENCY**.
- 4) At the discretion of the **DEPARTMENT**, terminate the Agreement in accordance with Paragraph 7 of this Agreement and remove, by the **DEPARTMENT** or its Contractor's personnel, all of the improvements installed under this Agreement and charge the **AGENCY** the reasonable cost of such removal.

5. **FUTURE DEPARTMENT IMPROVEMENTS**

It is understood between the parties hereto that the 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**.

6. **FUTURE AGENCY IMPROVEMENTS**

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

- 1) Plans for any new 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**.
- 2) The **AGENCY** shall procure a permit and/ or Construction Agreement from the **DEPARTMENT**, as appropriate.
- 3) All improvements shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- 4) The **AGENCY** agrees to comply with the requirements of this Agreement with regard to any additional improvements installed at no cost to the **DEPARTMENT**.

7. **AGREEMENT TERMINATION**

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

- 1) By the **DEPARTMENT**, if the **AGENCY** fails to perform its duties under this Agreement, following ten (10) days written notice. The **AGENCY** shall reimburse the **DEPARTMENT** for any expenditures for the installation of said improvements and the cost to remove and or replace said improvement with the standard improvement or remove in its entirety.
- 2) 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. **AGREEMENT TERM**

The term of this Agreement commences upon execution by all parties. The term of this Agreement shall remain in effect for Fifty (50) years.

9. **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 the improvements shall agree to indemnify, defend, save and hold harmless the **DEPARTMENT** from

all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, sub consultants, contractors and/or subcontractors. The **AGENCY** shall provide to the **DEPARTMENT** written evidence of the foregoing upon the request of the **DEPARTMENT**. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the **DEPARTMENT** for its own negligence.

- B. In the event that **AGENCY** contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:
- 1) **AGENCY'S** contractor shall at all times during the term of this Agreement keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive than the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the **DEPARTMENT** as an additional insured.
  - 2) **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.
  - 3) 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.
10. **E-VERIFY REQUIREMENTS**  
**AGENCY** shall utilize the U.S. Department of Homeland Security's E-Verify system, in accordance with the terms governing use of the system, to confirm the employment eligibility of;
- 1) Utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the **AGENCY** during the term of the contract; and
  - 2) Expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
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 except the Landscape Memorandum of Agreement(s) signed between the parties, as amended, as to all other improvements not specifically mentioned in this Agreement.
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 one year.

13. **DISPUTES**

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

14. **ASSIGNMENT**

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

15. **LAWS GOVERNING**

This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. Venue with respect to judicial proceedings arising out of this Agreement shall be in Broward County, Florida.

16. **NOTICES**

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

If to the **DEPARTMENT**:

State of Florida Department of Transportation  
3400 West Commercial Blvd  
Ft. Lauderdale, FL 33309-3421  
Attention: John Danielsen, P.E.  
District Maintenance Engineer

If to the **AGENCY**:

City of Fort Lauderdale  
100 N. Andrews Avenue  
Fort Lauderdale, FL 33301  
Attention: Lee R. Feldman  
Title: City Manager

17. **LIST OF EXHIBITS**

Exhibit A: Project Location and Description  
Exhibit B: Maintenance Plan Requirements  
Exhibit C: Construction Plans

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

WITNESSES:

Jeanette A. Johnson  
Jeanette A. Johnson  
Witness Print Name

Miranda Scott  
MIRANDA SCOTT  
Witness Print Name

CITY OF FORT LAUDERDALE, a municipal Corporation of the State of Florida:

By John P. Seiler  
JOHN P. "JACK" SEILER, Mayor

By Lee R. Feldman  
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

Jonda K. Joseph  
JONDA K. JOSEPH, City Clerk

Approved as to form:

Diansjhan Williams-Persad  
DIANSJHAN WILLIAMS-PERSAD  
Assistant City Attorney

DEPARTMENT:

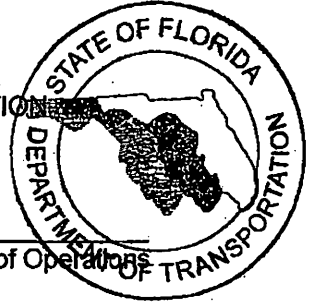
DEPARTMENT:

ATTEST:

Maria Gutierrez  
Executive Secretary  
(SEAL)

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

By Courtney Drummond  
Courtney Drummond, F.E., Director of Operations



Approval as to Form:

By Dawn Raduano  
Dawn Raduano, District General Counsel

<b>SECTION NO.:</b>	<b>860500</b>
<b>FM No.(s):</b>	<b>433688-4-52-01</b>
<b>COUNTY:</b>	<b>Broward</b>
<b>S.R. No.:</b>	<b>A1A</b>

**EXHIBIT A**

**PROJECT LOCATION AND DESCRIPTION**

**Location:**

The improvements associated with this agreement are located in Broward County along State Road A1A from limits of construction beginning at the decorative sea wall located at NE 9<sup>th</sup> Street, from Center Line (CL) Station (Sta.) 608+90.00 Mile Post (M.P.) 3.248 to end decorative sea wall at just north of NE 18<sup>th</sup> Street (CL Sta. 665+60.00 M.P. 4.322).

**Description of Work:**

Installation of decorative sea wall on east side of State Road A1A (beginning from CL Sta. 608+90.00 M.P. 3.248 to end CL Sta. 665+60.00 M.P. 4.322), LED string lights and fiber-optic system servicing the decorative sea wall on the east side of State Road A1A (beginning from CL Sta. 609+16.00 M.P. 3.253 to end CL Sta. 665+60.00 M.P. 4.322) and colored coated decorative lighting installed on the east and west side of State Road A1A beginning from CL Sta. 609+75.00 M.P. 3.264 (East side) and CL Sta. 619+15.00 M.P. 3.442 (West side) to end just south of NE 18<sup>th</sup> St. CL Sta. 664+51.00 M.P. 4.301 (East side) and end CL Sta. 664+91.00 M.P. 4.309 (West side).

It will be the responsibility of the **AGENCY** to maintain the features described in this agreement.

<b>SECTION NO.:</b>	<b>860500</b>
<b>FM No.(s):</b>	<b>433688-4-52-01</b>
<b>COUNTY:</b>	<b>Broward</b>
<b>S.R. No.:</b>	<b>A1A</b>

## **EXHIBIT B**

### **MAINTENANCE PLAN REQUIREMENTS**

The **AGENCY** shall submit to the **DEPARTMENT** a maintenance plan detailing the means and methods for accomplishing repairs to the colored coatings on decorative light poles in accordance with all **DEPARTMENT** Standards, Procedures and Specifications. This plan must be submitted and approved by the **DEPARTMENT** prior to commencing any maintenance or repair activities. The plan should at minimum detail how the **AGENCY** will address the following:

1. Providing for continuous traffic control and necessary traffic control devices as required for the safe movement of traffic of vehicular and pedestrian traffic past the location of the structure being repaired for the duration of the repair in accordance with **DEPARTMENT** Standards, Procedures and Specifications.
2. Protection of adjacent surrounding property, real estate, vehicles, pedestrians, attachments to the light poles, or other assets during the preparation and recoating of surfaces.
3. Containment of debris or materials used in or resulting from the repair

After the maintenance plan is approved, the **AGENCY** shall submit a work plan to the **DEPARTMENT** for approval prior to each repair to be performed detailing:

1. The proposed date of the repair
2. The location of the repair
3. The nature of the repair
4. The materials to be used for the repair
5. The methods to be used for the repair

<b>SECTION NO.:</b>	<b>860500</b>
<b>FM No.(s):</b>	<b>433688-4-52-01</b>
<b>COUNTY:</b>	<b>Broward</b>
<b>S.R. No.:</b>	<b>A1A</b>

**EXHIBIT C**

**CONSTRUCTION PLANS (attached)**

**Sheets Included:**

<b>PDF Page Number (#)</b>	<b>Plan Sheet (#)</b>	<b>Sheet(s) Description</b>
12	1	Roadway Key Sheet
13 thru 24	16 thru 27	Roadway Plan Sheets
25 thru 44	L-1 thru L-20	Lighting Component
45 thru 66	BW-1 to BW-22	Structures Component



## COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS  
 SIGNING AND PAVEMENT MARKING PLANS  
 SIGNALIZATION PLANS  
 LIGHTING PLANS  
 LANDSCAPE PLANS  
 STRUCTURES PLANS

A DETAILED INDEX APPEARS ON THE  
 KEY SHEET OF EACH COMPONENT

## INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-4	SUMMARY OF PAY ITEMS
5-7	DRAINAGE MAP
8-9	TYPICAL SECTION
10-11	SUMMARY OF QUANTITIES
12-13	SUMMARY OF DRAINAGE STRUCTURES
14	OPTIONAL MATERIAL TOLERANCE
15	GENERAL NOTES AND PAY ITEM NOTES
16-27	PLAN
28-29	INTERSECTION DETAILS
30-34	PROFILE
35-52	DRAINAGE STRUCTURES
53	DRAINAGE DETAILS
54-103	CROSS SECTIONS
104-106	STORMWATER POLLUTION PREVENTION PLAN
107	TRAFFIC CONTROL PLAN GENERAL NOTES
108-109	TRAFFIC CONTROL PLAN
104-105	UTILITY ADJUSTMENTS
GR-1	ROADWAY SURVEY
GR-2 GR-3	REPORT OF GORE BORINGS
GR-4 GR-5	REPORT OF SPT BORINGS
CTL-1 CTL-3	PROJECT SURVEY CONTROL
UTV-1 UTV-3	VERIFIED UTILITY LOCATE
UTV-4	SUMMARY OF VERIFIED UTILITIES

— Not included in Exhibit C

## GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, 2014 Design Standards and revised Index Drawings as appended herein, and 2014 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:  
<http://www.dot.state.fl.us/specificationsoffice/>

## REVISIONS

**BIDABILITY SUBMITTAL**  
 12/4/2013 5:02:48 PM  
**SUBJECT TO REVISION**

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

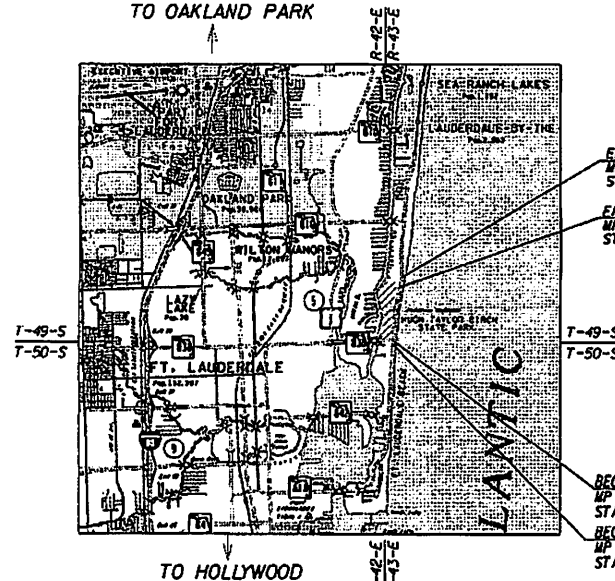
## CONTRACT PLANS

FINANCIAL PROJECT ID 433688-4-52-01

BROWARD COUNTY (86050)

STATE ROAD A1A

TO OAKLAND PARK



## PROJECT LOCATION



END CONSTRUCTION  
 MP. 4.438  
 STA 671+75.00

END PROJECT  
 MP. 4.382  
 STA 665+60.00

BEGIN PROJECT  
 MP 3.334  
 STA 613+12.69  
 BEGIN CONSTRUCTION  
 MP 3.248  
 STA 608+90.00

ROADWAY SHOP DRAWINGS  
 TO BE SUBMITTED TO:  
 NORAYMA OCHOA  
 DISTRICT IV STRUCTURES OFFICE  
 3600 WEST COMMERCIAL BLVD.  
 FORT LAUDERDALE, FL 33309

PLANS PREPARED BY:  
 DESIGN SECTION 2  
 3600 WEST COMMERCIAL BLVD.  
 FT. LAUDERDALE, FL 33309

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

## LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	5,217.31	0.988
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	5,217.31	0.988
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	5,217.31	0.988

FDOT PROJECT MANAGER: SCOTT PETERSON, P.E.

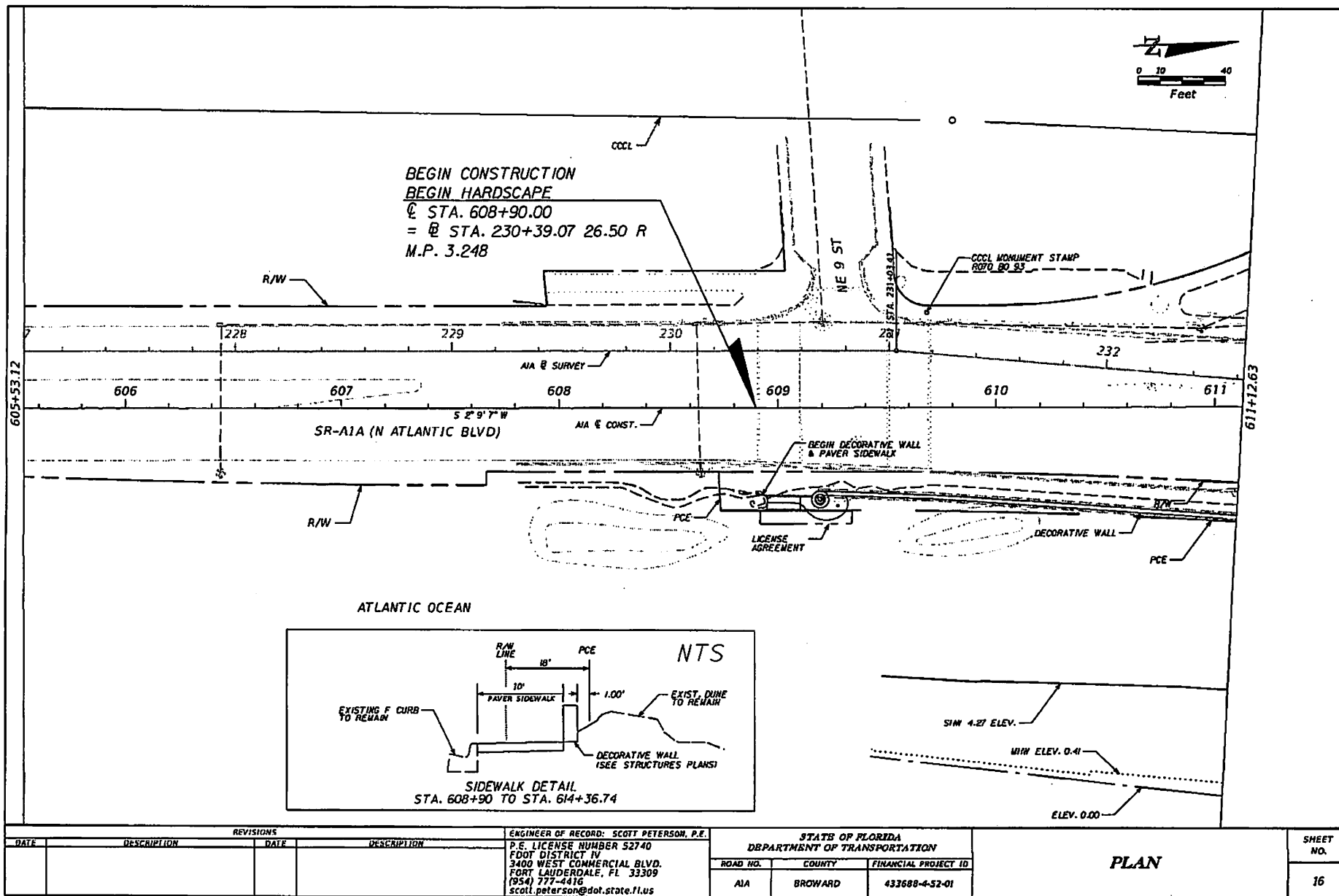
## KEY SHEET REVISIONS

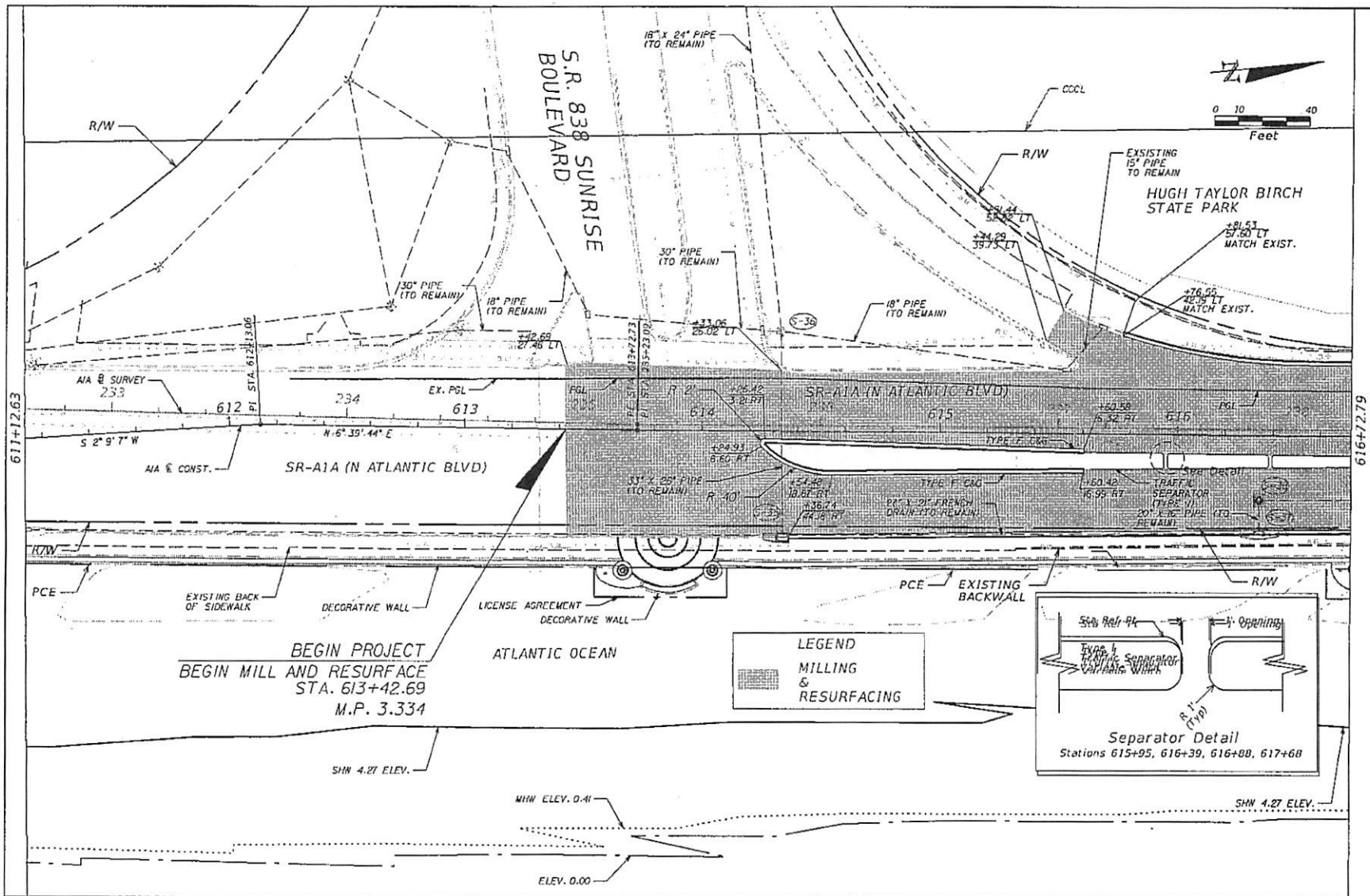
DATE	DESCRIPTION

ROADWAY PLANS  
 ENGINEER OF RECORD: SCOTT PETERSON, P.E.

P.E. NO.: 52740

FISCAL YEAR	SHEET NO.
14	1

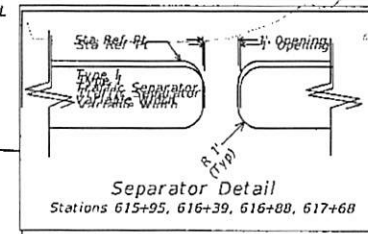




BEGIN PROJECT  
BEGIN MILL AND RESURFACE  
STA. 613+42.69  
M.P. 3.334

ATLANTIC OCEAN

LEGEND  
MILLING  
&  
RESURFACING



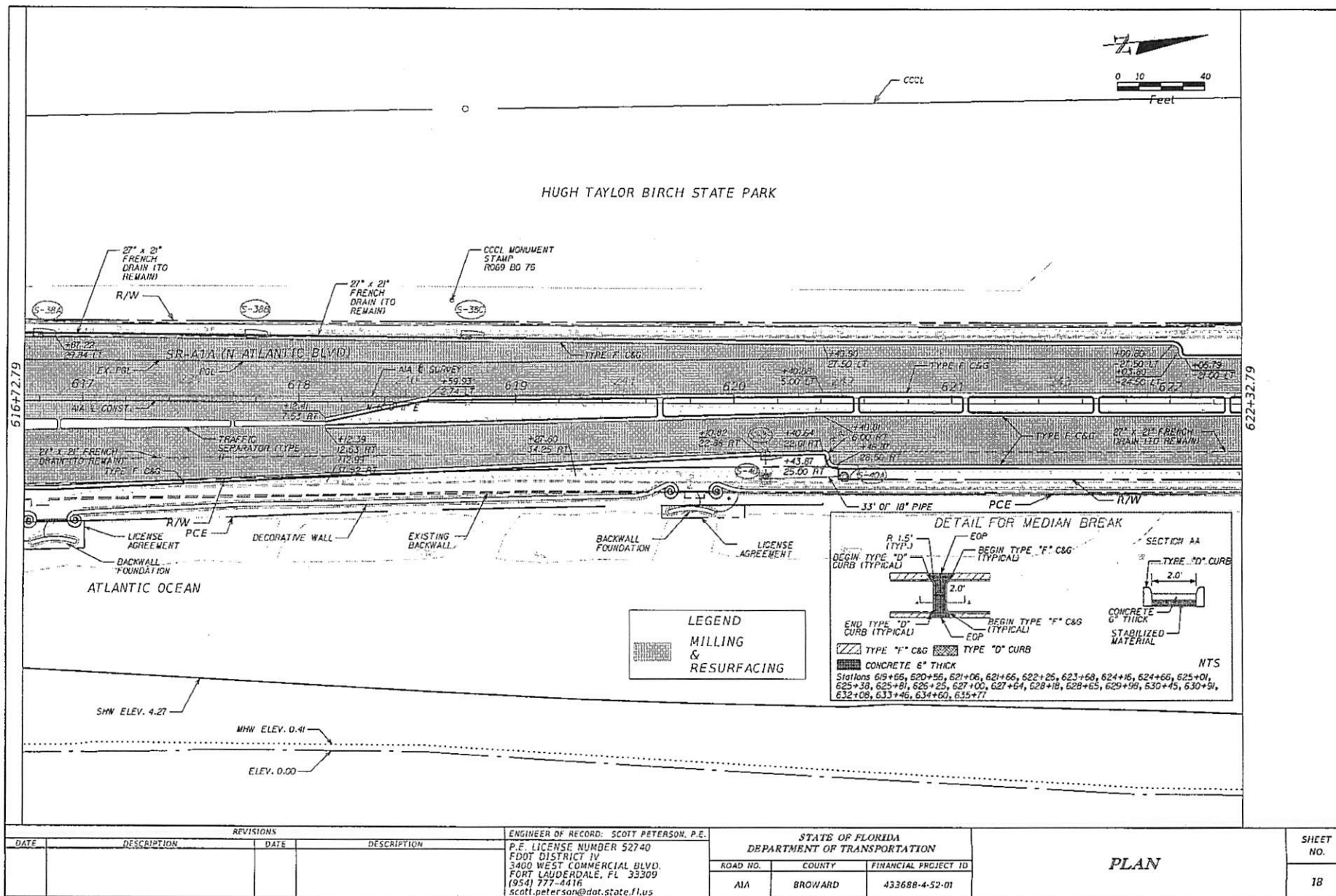
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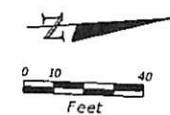
ENGINEER OF RECORD: SCOTT PETERSON, P.E.  
P.E. LICENSE NUMBER 52740  
FOOT DISTRICT IV  
3400 WEST COMMERCIAL BLVD.  
FORT LAUDERDALE, FL 33309  
(954) 777-4416  
scott.peterson@dot.state.fl.us

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	4336RH-4-52-01

PLAN

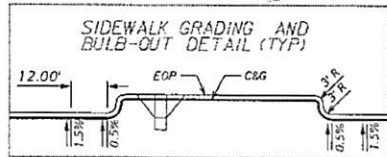
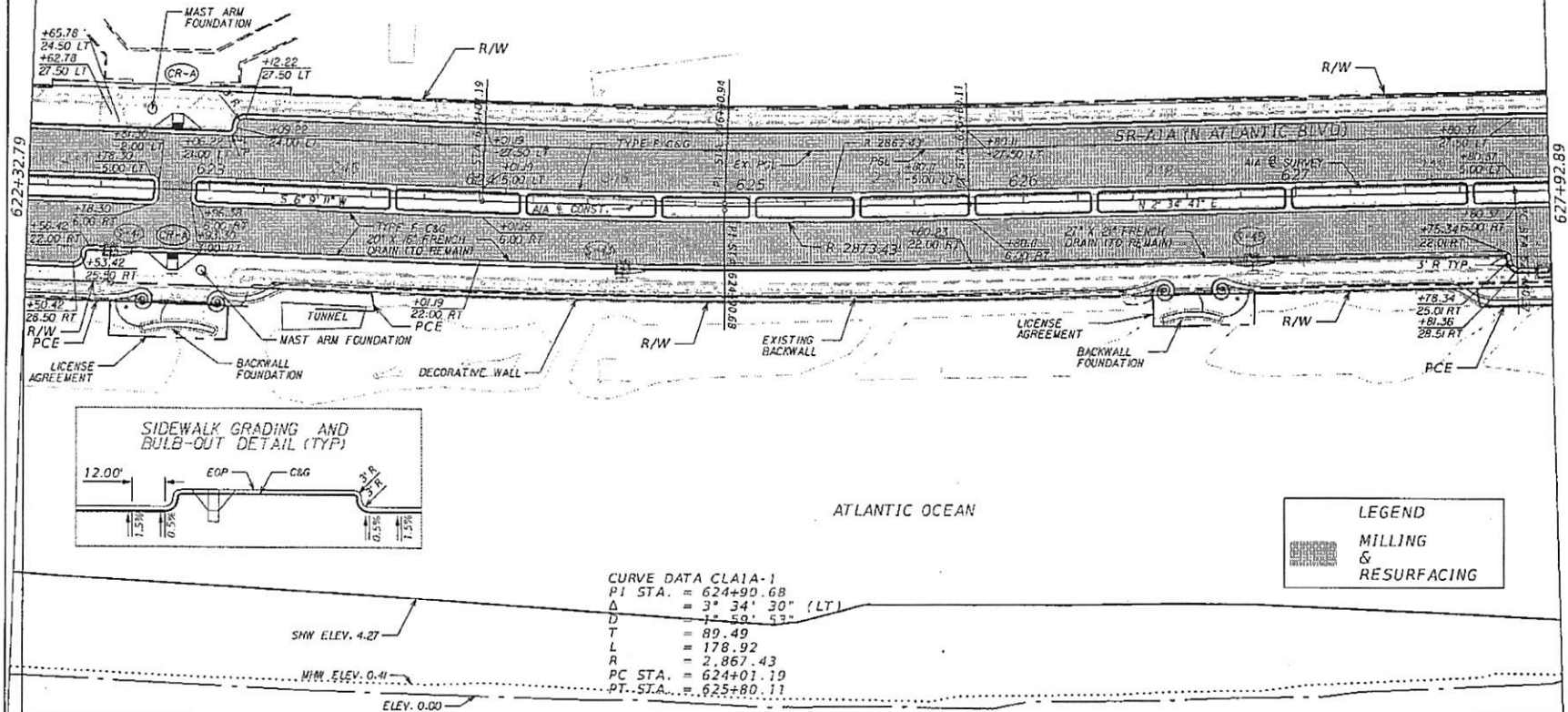
SHEET  
NO.  
17





# HUGH TAYLOR BIRCH STATE PARK

PARK ENTRANCE

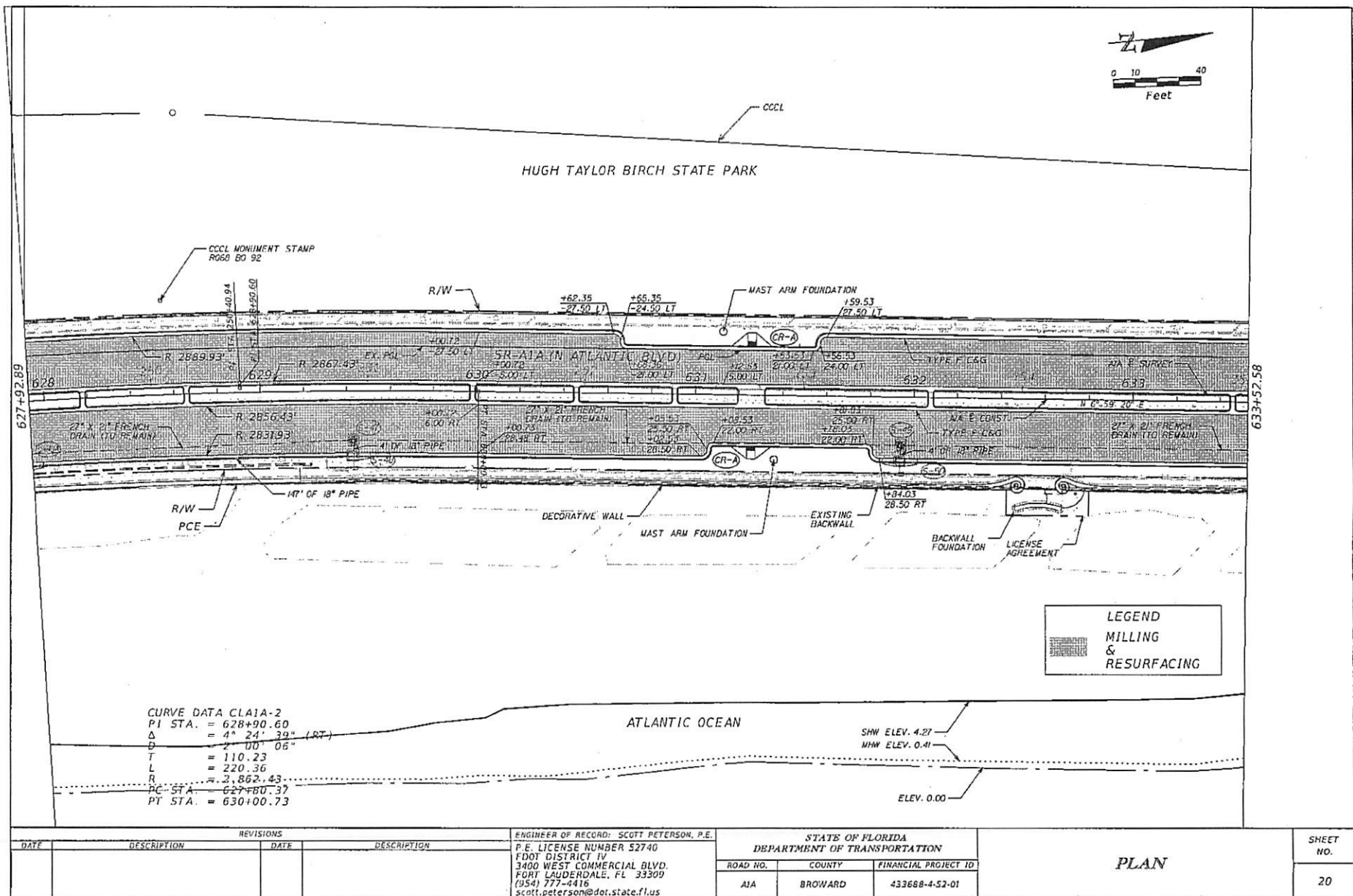


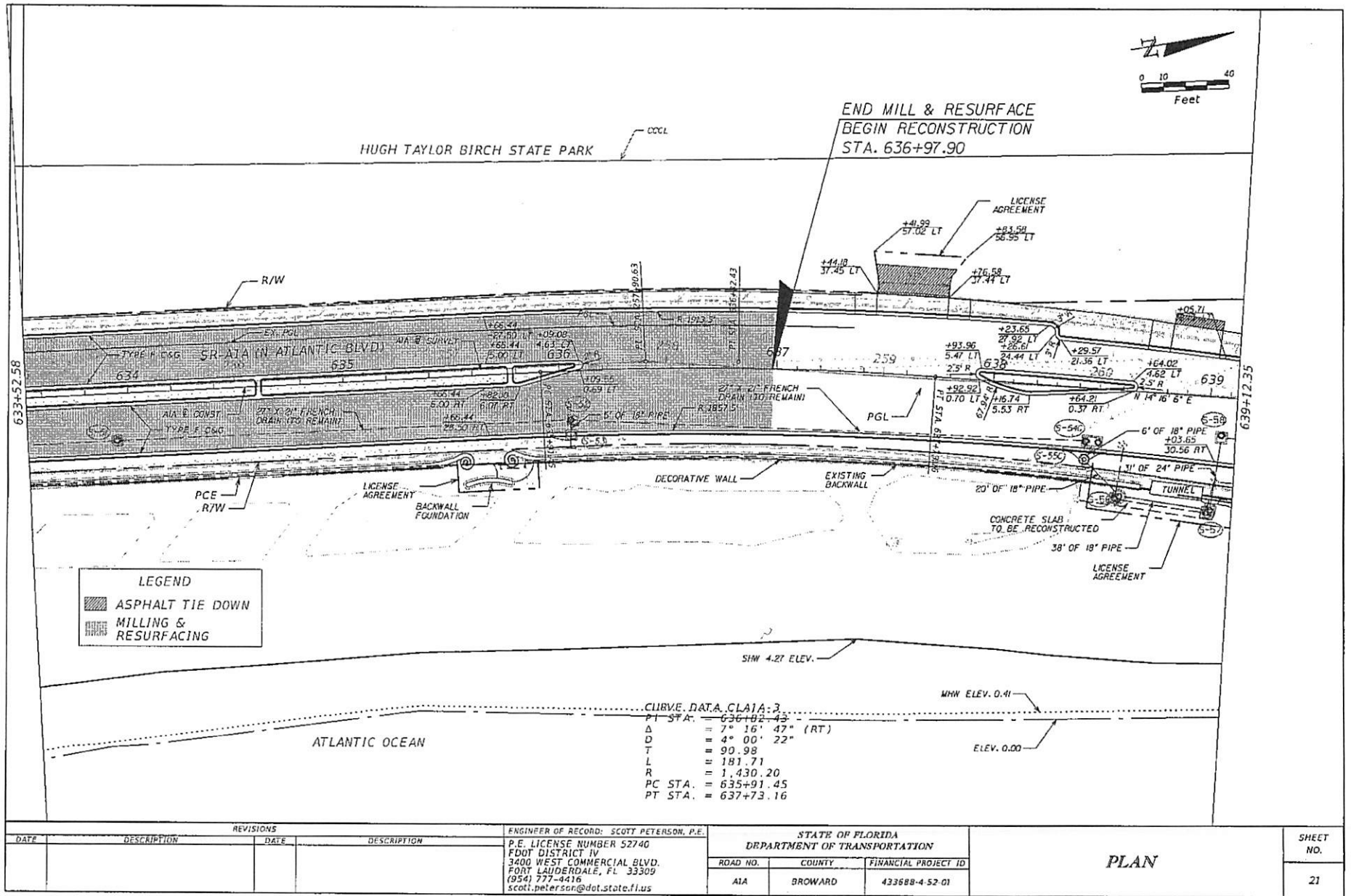
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 $\Delta$  = 3° 34' 30" (LT)  
 D = 1° 50' 53"  
 T = 89.49  
 L = 178.92  
 R = 2,867.43  
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 PT STA. = 625+80.11

LEGEND	
	MILLING & RESURFACING

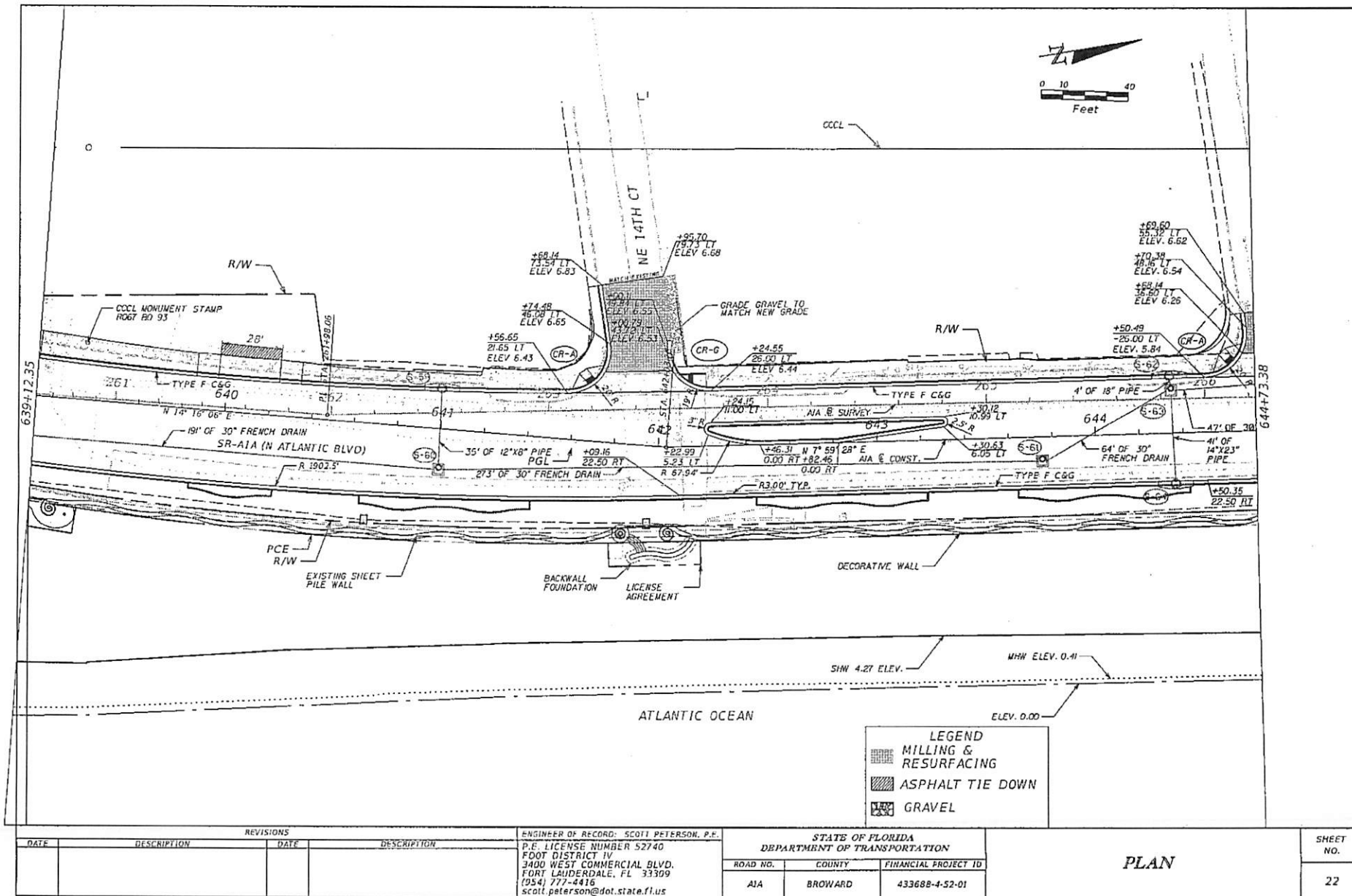
REVISIONS				ENGINEER OF RECORD: SCOTT PETERSON, P.E. P.E. LICENSE NUMBER 52740 FDOT DISTRICT IV 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309 (954) 777-4416 scott.peterson@dot.state.fl.us	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN	SHEET NO.  19
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					A1A	BROWARD	433688-4-52-01		

SUSERS      SDATES      STIMES      SPILLES

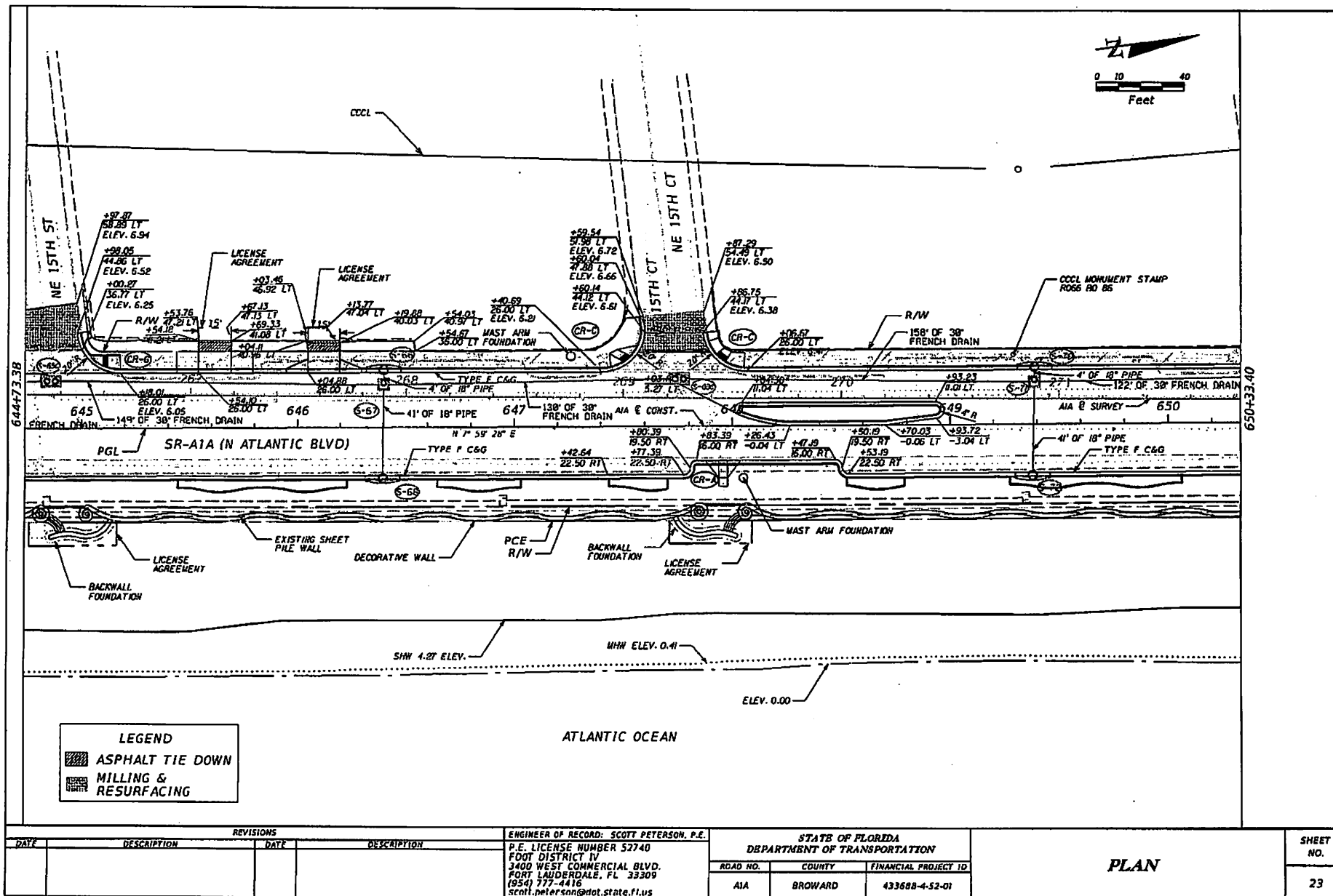


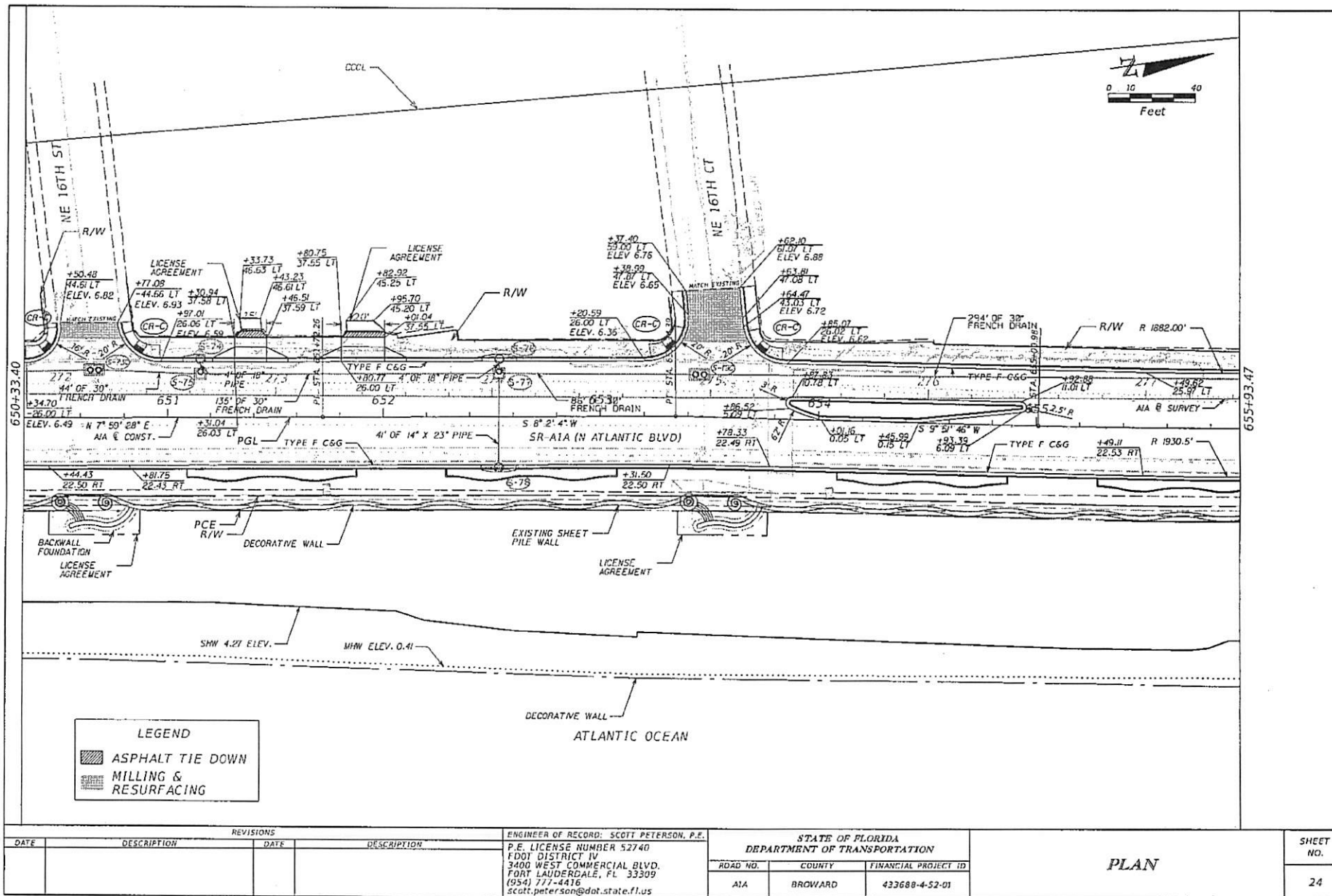




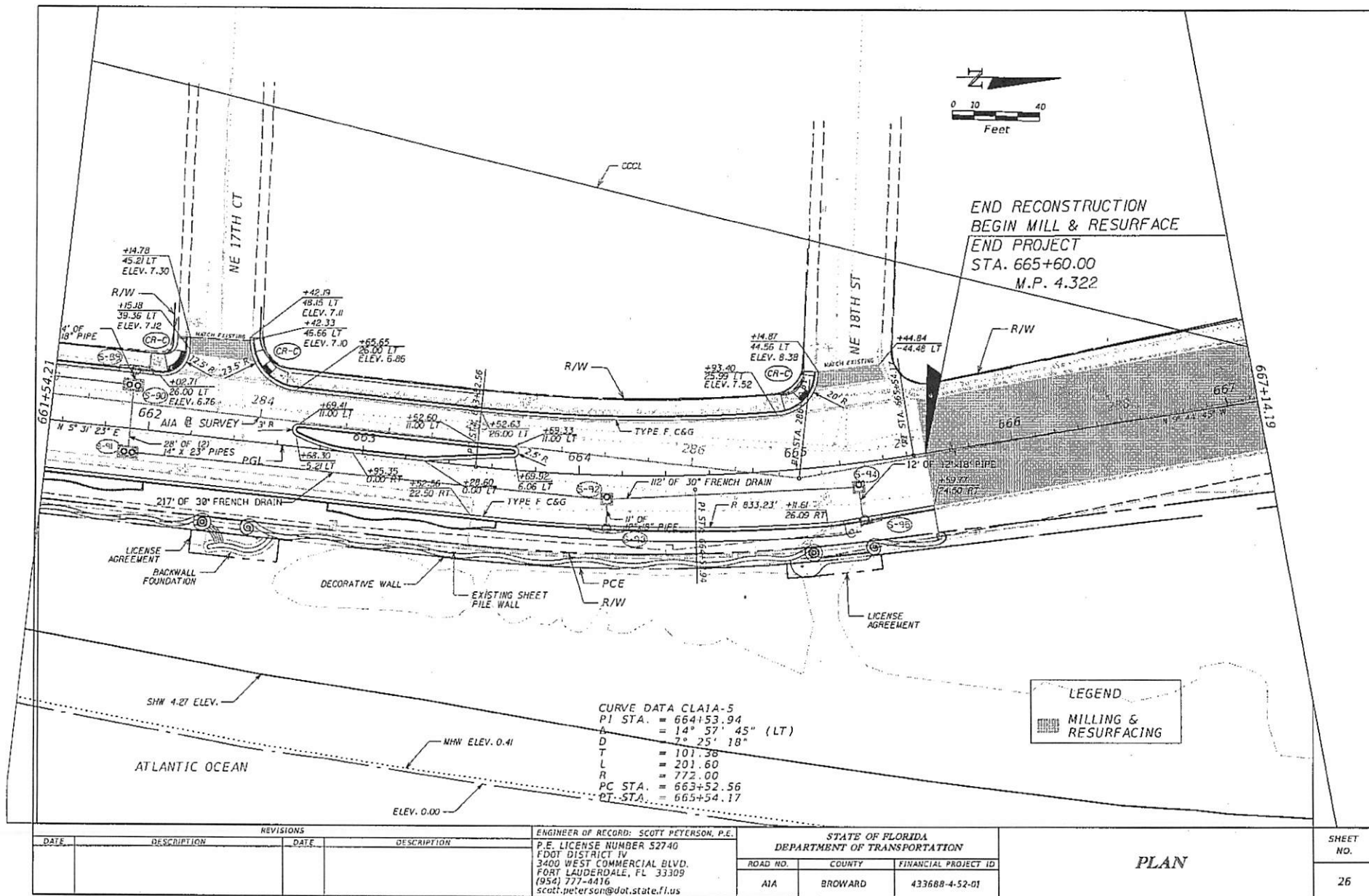


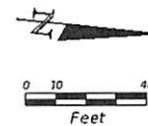




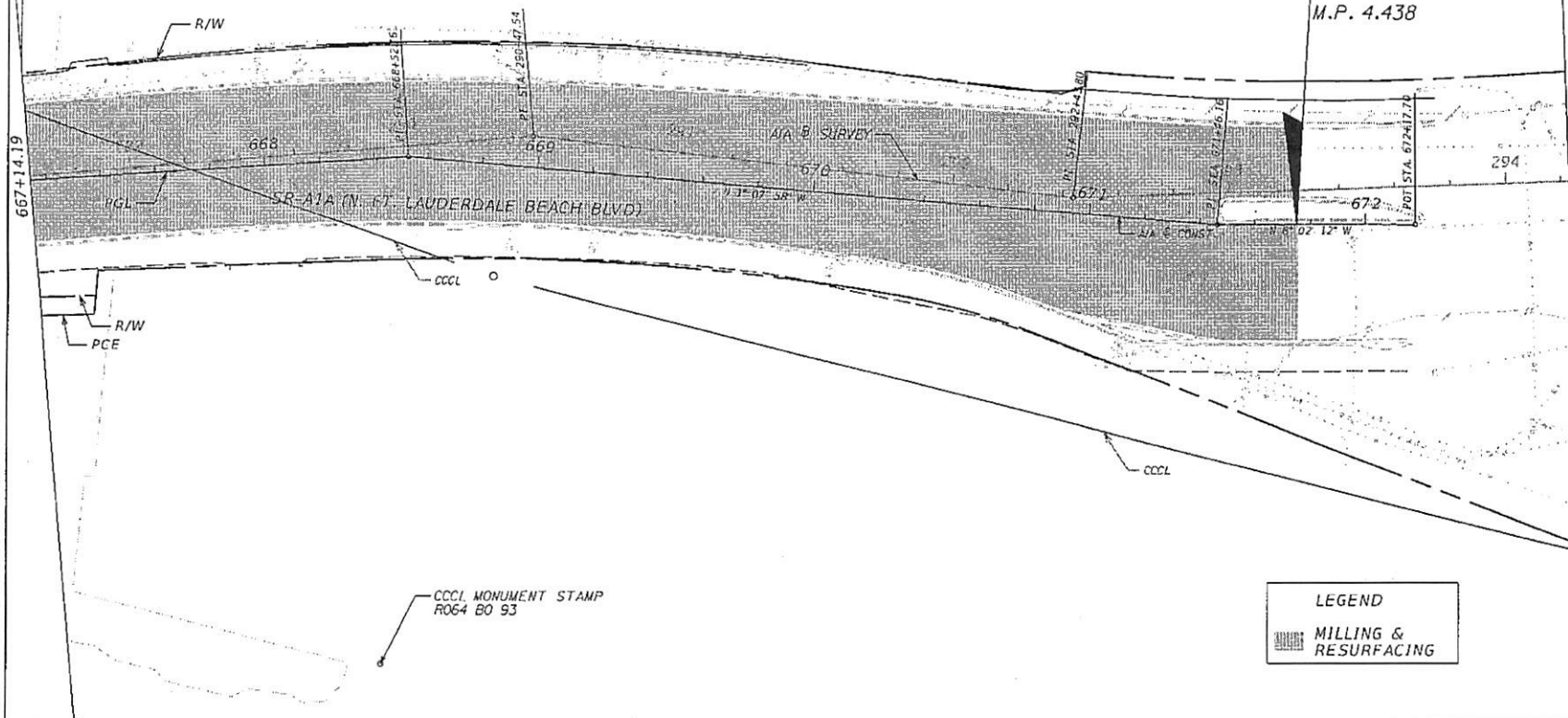








END MILL & RESURFACE  
END CONSTRUCTION  
STA. 671+75.00  
M.P. 4.438



LEGEND  
MILLING & RESURFACING

REVISIONS				ENGINEER OF RECORD: SCOTT PETERSON, P.E.			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. LICENSE NUMBER 52740 FOOT DISTRICT IV 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309 (954) 777-4416 scott.peterson@dot.state.fl.us			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							A1A	BROWARD	433688-4-52-01	27

PLAN

SHEET NO. 27

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 433688-4-52-01

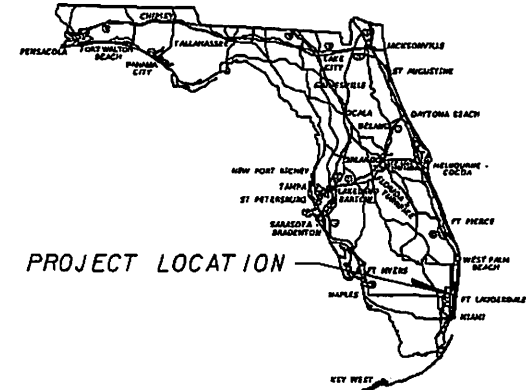
BROWARD COUNTY (86050)

STATE ROAD NO. A1A

LIGHTING PLANS

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	TABULATION OF QUANTITIES
L-3	GENERAL NOTES
L-4	POLE DATA AND LEGEND
L-5 THRU L-15	LIGHTING PLAN
L-16	UTILITY CONFLICT MATRIX
L-17	LIGHT POLE DETAILS
L-18	SPECIAL WALL / POLE CONFLICT FOOTING DETAIL
L-19	SERVICE POINT DETAILS
L-20	SEA WALL LED STRIP LIGHTING DETAILS



PROJECT LOCATION

LIGHTING SHOP DRAWINGS  
TO BE SUBMITTED TO:

NISAR M. KHAN, PE  
ERDMAN ANTHONY OF FLORIDA, INC.  
1402 ROYAL PALM BEACH, SUITE 500  
ROYAL PALM BEACH, FL. 33411

PLANS PREPARED BY:

ERDMAN ANTHONY OF FLORIDA, INC.  
1402 ROYAL PALM BEACH, SUITE 500  
ROYAL PALM BEACH, FL. 33411  
561-753-9723

CONTRACT NO. C8289  
VENDOR NO. 20-0530234  
CERTIFICATE OF AUTHORIZATION \*25912

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

KEY SHEET REVISIONS	
DATE	DESCRIPTION

LIGHTING PLANS  
ENGINEER OF RECORD: NISAR M. KHAN, P.E.

P.E. NO.: 61004

FISCAL YEAR	SHEET NO.
14	L-1

FDOT PROJECT MANAGER: SCOTT PETERSON, P.E.

Partial

11/18/2013

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## TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET			
			L-5		L-6		L-7		L-8		L-9		L-10		L-11		L-12		L-13		L-14		L-15					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	150		757		1910		1777		1907		1889		1917		2044		1950		1706		1112		17122		17122	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	0		0		88		0		80		0		23		142		214		86		147		778		778	
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	LF	196		523		531		522		601		536		564		529		535		531		384		5453		5453	
633-1-114	FIBER OPTIC CABLE, F61, OVERHEAD 97-144 FIBERS (WALL MOUNT)	LF	227		564		592		582		588		572		590		583		586		589		444		5038		5938	
635-2-11	PULL & SPLICE BOX, F61, 13"x 24" COVER SIZE	EA	0		1		10		8		11		8		12		17		21		18		13		119		119	
715-1-11	LIGHTING CONDUCTORS, F61, INSULATED, NO.10 OR <	LF	569		1765		1941		1764		1992		1954		1829		2007		2011		1786		1472		19091		19091	
715-1-12	LIGHTING CONDUCTORS, F61, INSULATED, NO.8-6	LF	600		2209		5888		3989		5691		4722		5295		5913		6801		5155		4592		50856		50856	
715-1-13	LIGHTING CONDUCTORS, F61, INSULATED, NO.4 TO NO.2	LF	0		0		0		0		744		788		0		0		0		0		0		1532		1532	
715-1-60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	LF	0		0		0		0		0		131		1283		1190		473		1060		551		4688		4688	
715-518-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F61, (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	EA	2		8		12		15		15		15		15		15		16		15		10		138		138	
715-7-11	LOAD CENTER, F61, SECONDARY VOLTAGE	EA	0		0		1		0		1		0		0		0		1		0		1		4		4	
715-11-119	LUMINAIRE, F61, ROADWAY, SPECIAL (LED SEA WALL)	EA	3		9		10		9		9		9		9		10		9		9		8		94		94	

REVISIONS				BROWMAN ANTHONY OF FLORIDA, INC. MISAM M. KHAN, P.E. P.E. LICENSE NUMBER 61004 1602 ROYAL PALM BEACH BLVD. SUITE 550 ROYAL PALM BEACH, FL 33411 PHONE 561-753-8723 FAX 561-753-8724 CERTIFICATE OF AUTHORIZATION 25512	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES	SHEET NO.  L-2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					A1A	BROWARD	433608-4-52-01		

**Page 494**

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520 | Virginia

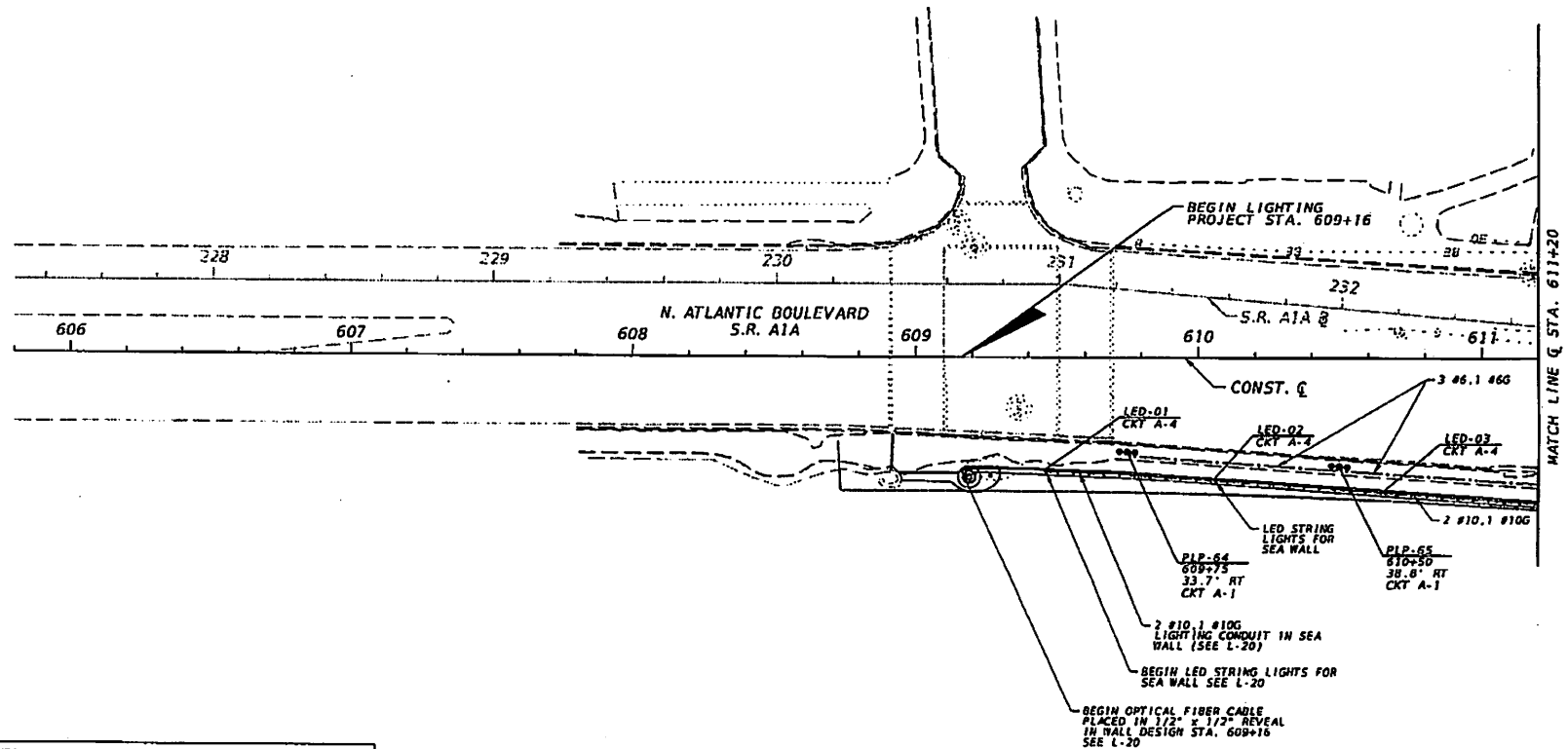
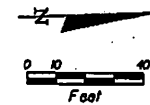
01/01/2015







PAY ITEM NO.	DESCRIPTION	TOTAL	UNIT
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	L-5	
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	150	LF
633-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD 97-144 FIBERS (WALL MOUNT)	196	LF
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO.10 OR <	227	LF
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8-6	569	LF
715-318-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I, (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	600	LF
715-11-119	LUMINAIRE, F&I, ROADWAY, SPECIAL (LED SEA WALL)	2	EA
		3	EA



FPL POLE WITH LUMINAIRES MARKED HERE ARE, IN GENERAL, OUTSIDE THE RIGHT OF WAY AND NOT EXPECTED TO BE IMPACTED BY CONSTRUCTION. ANY WORK THAT MAY BE REQUIRED ON FPL OWNED LIGHTING EQUIPMENT WILL BE DONE BY FPL.

ALL LIGHT POLE STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION CENTERLINE.

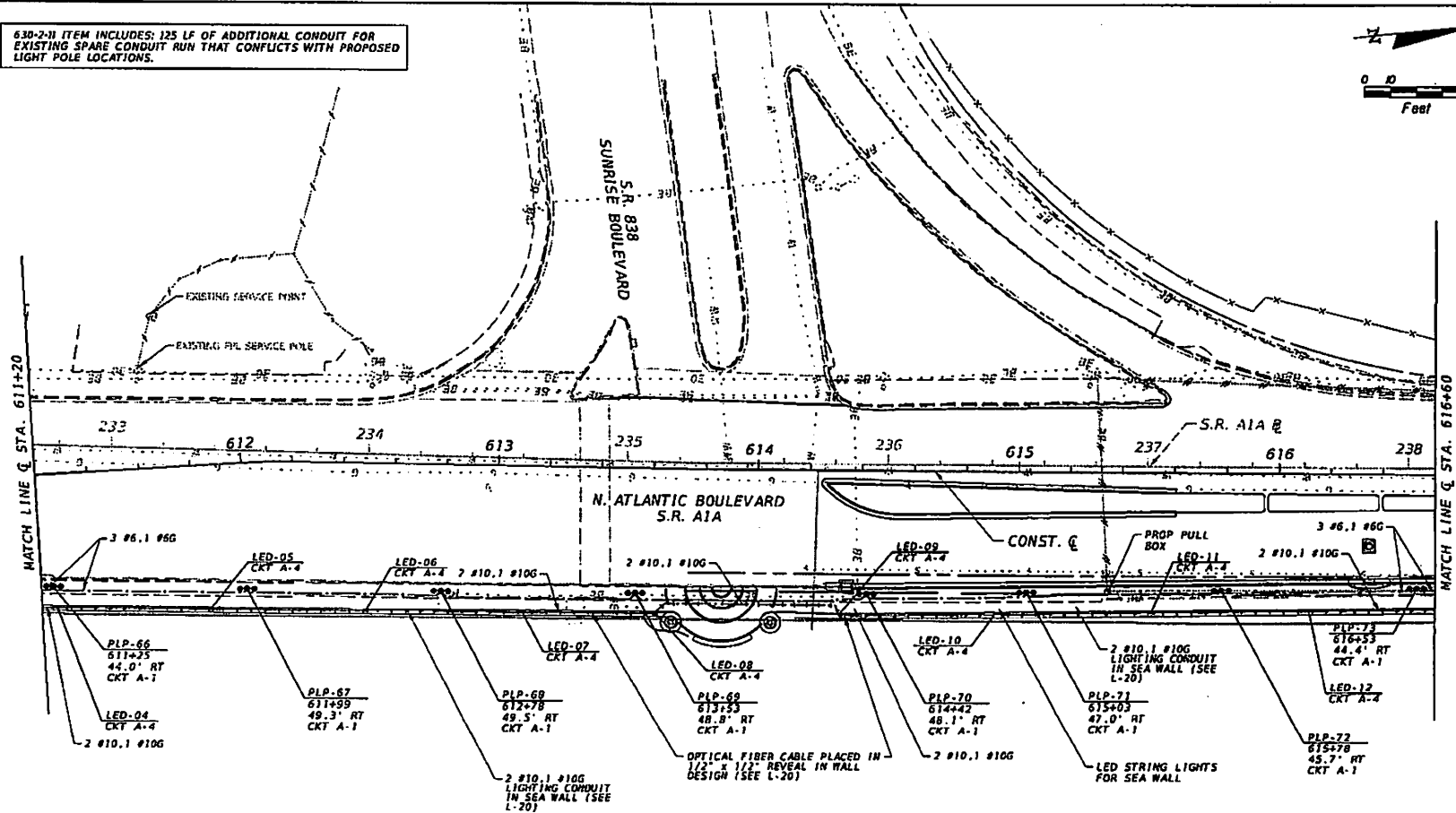
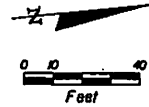
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				A1A	BROWARD	433688-4-92-01	L-5

ERDMAN ANTHONY OF FLORIDA, INC.  
NISAM M. KHAN, P.E. P.E. LICENSE NUMBER 63004  
1403 ROYAL PALM BEACH BLVD., SUITE 300  
ROYAL PALM BEACH, FL 33401  
PHONES (561) 973-9773  
FAX (561) 973-9774  
CERTIFICATE OF AUTHORIZATION 35513

# LIGHTING PLAN

11/16/2013 10:43:34 AM W:\40181-17-A1A\Lighting\433688-4-92-01\Lighting\PLAN\LOT.DWG

630-2-11 ITEM INCLUDES: 125 LF OF ADDITIONAL CONDUIT FOR EXISTING SPARE CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS.



FPL POLE WITH LUMINAIRES MARKED HERE ARE, IN GENERAL, OUTSIDE THE RIGHT OF WAY AND NOT EXPECTED TO BE IMPACTED BY CONSTRUCTION. ANY WORK THAT MAY BE REQUIRED ON FPL OWNED LIGHTING EQUIPMENT WILL BE DONE BY FPL.

ALL LIGHT POLE STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION CENTERLINE.

PAY ITEM NO.	DESCRIPTION	TOTAL	UNIT
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	757	LF
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	523	LF
633-1-114	FIBER OPTIC CABLE, F61, OVERHEAD 97-144 FIBERS (WALL MOUNT)	564	LF
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	1	EA
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	1763	LF
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	2209	LF
715-518-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	8	EA
715-11-119	LUMINAIRE, F&I, ROADWAY, SPECIAL (LED SEA WALL)	9	EA

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

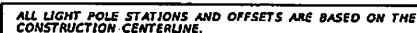
ERDMAN AUTHORITY OF FLORIDA, INC.  
 NIGAR H. KHAN, P.E., P.E. LICENSE NUMBER 81044  
 1401 ROYAL PALM BEACH BLVD., SUITE 300  
 ROYAL PALM BEACH, FL 33401  
 PHONE 561-953-8731  
 FAX 561-953-8728  
 CERTIFICATE OF AUTHORIZATION 2502

STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	433688-4-52-01

## LIGHTING PLAN

SHEET  
NO.  
L-6

A graphic scale bar with markings for 0, 10, and 40 feet. The bar is divided into segments, with the first segment representing 10 feet and the entire bar representing 40 feet.

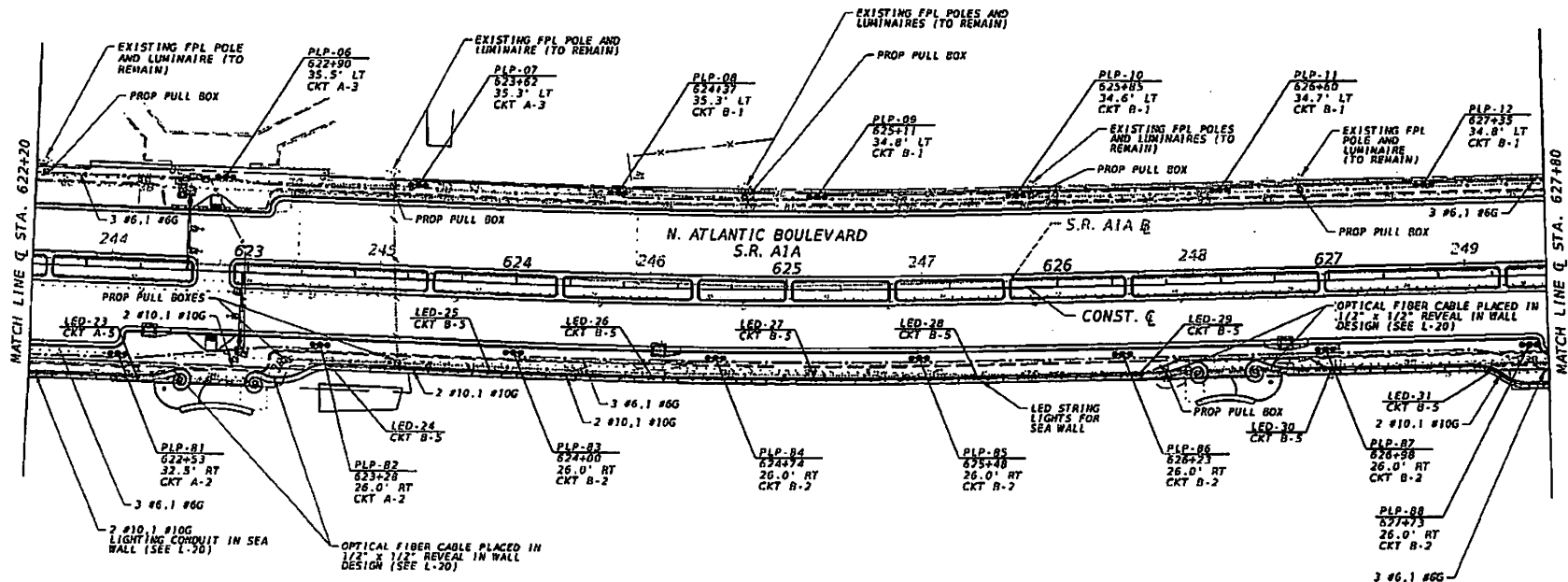
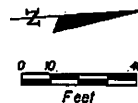


PAY ITEM NO.	DESCRIPTION	TOTAL	UNIT
		L-7	
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	7910	LF
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	88	LF
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	531	LF
633-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD 97-144 FIBERS (WALL MOUNT)	502	LF
635-2-11	PULL & SPLICE BOX, F&I, 13"x 24" COVER SIZE	10	EA
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO.10 OR <	1941	LF
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8-6	5888	LF
715-108-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I, (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	12	EA
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	1	EA
715-11-119	LUMINAIRE, F&I, ROADWAY, SPECIAL (LED SEA WALL)	10	EA

REVISIONS				715-11-119		LUMINAIRE, P&I, ROADWAY, SPECIAL (LED SEA WALL)		10	EA
DATE	DESCRIPTION	DATE	DESCRIPTION	FROM:MAN ANTHONY OF FLORIDA, INC. ELIAS M. KHAN, P.E.      P.E. LICENSE NUMBER 63664 1463 ROYAL PALM BEACH BOVD., SUITE 100 ROYAL PALM BEACH, FL 33401 PHONE 561-753-9723 FAX 561-753-9724 CERTIFICATE OF AUTHORIZATION 21502		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LIGHTING PLAN	SHEET NO.
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID			6-7
				A1A	BROWARD	433688-4-52-01			

PAY ITEM NO.	DESCRIPTION	TOTAL	UNIT
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1777	L-F
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	522	L-F
630-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD 97-144 FIBERS (WALL MOUNT)	582	L-F
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	8	EA
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR $\leq$	1754	L-F
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	3989	L-F
715-318-313	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	15	EA
715-11-119	LUMINAIRE, F&I, ROADWAY, SPECIAL (LED SEA WALL)	9	EA

630-2-11 ITEM INCLUDES: 699 LF OF ADDITIONAL CONDUIT FOR EXISTING SPARE CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS.



FPL POLE WITH LUMINAIRES MARKED HERE ARE, IN GENERAL, OUTSIDE THE RIGHT OF WAY AND NOT EXPECTED TO BE IMPACTED BY CONSTRUCTION. ANY WORK THAT MAY BE REQUIRED ON FPL OWNED LIGHTING EQUIPMENT WILL BE DONE BY FPL

ALL LIGHT POLE STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION CENTERLINE

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN	SHEET NO.  L-8
DATE	DESCRIPTION	DATE	DESCRIPTION			
				ROAD NO. A1A	COUNTY BROWARD	FINANCIAL PROJECT ID 433688-4-52-01

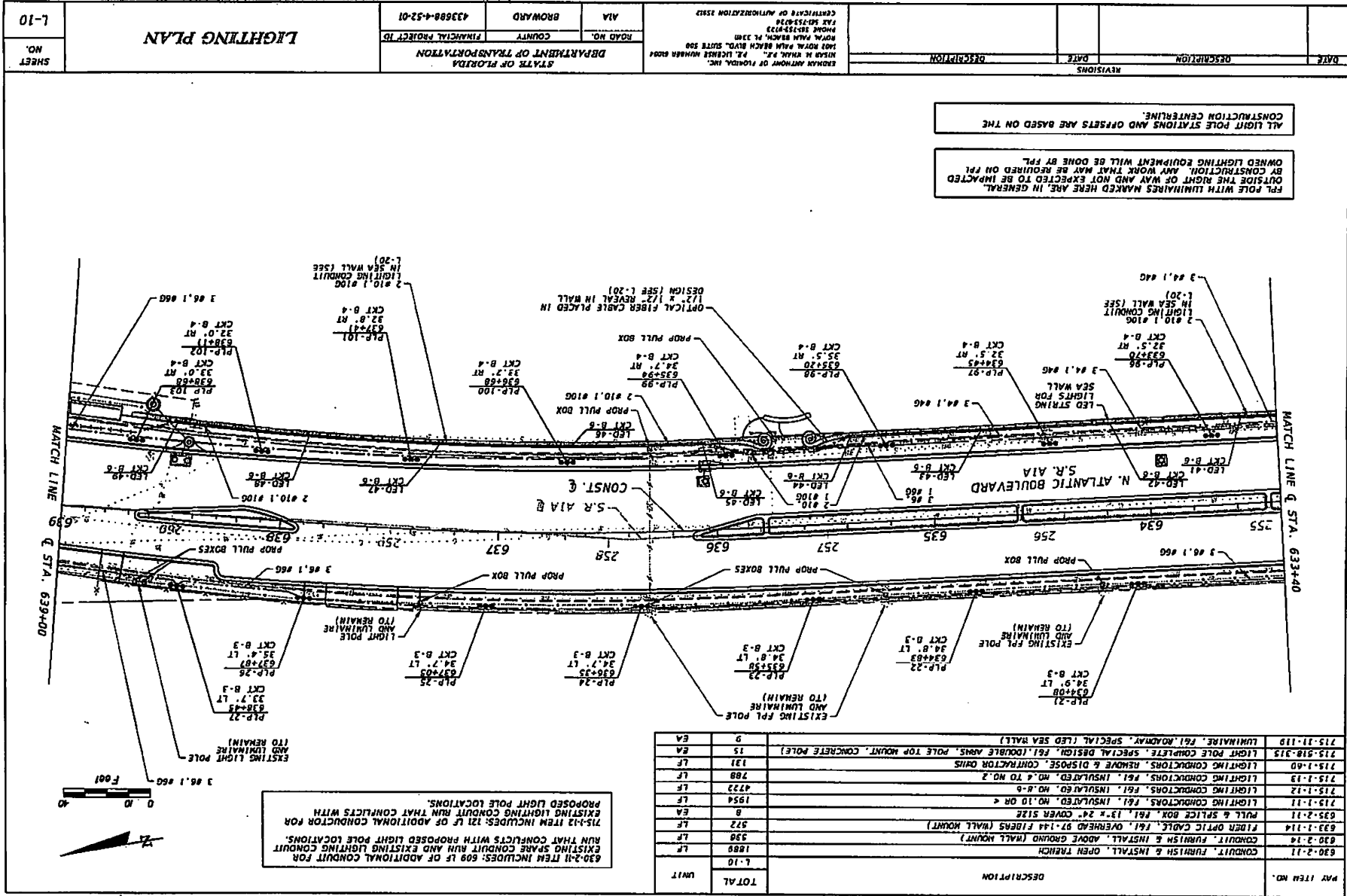
ERDMAN ANTHONY OF FLORIDA, INC.  
NISAR M. KHAN, P.E.  
1002 ROYAL PALM BEACH BLVD., SUITE 500  
ROYAL PALM BEACH, FL 33401  
PHONE 561-753-4333  
FAX 561-753-4334  
CERTIFICATE OF AUTHORIZATION 35512

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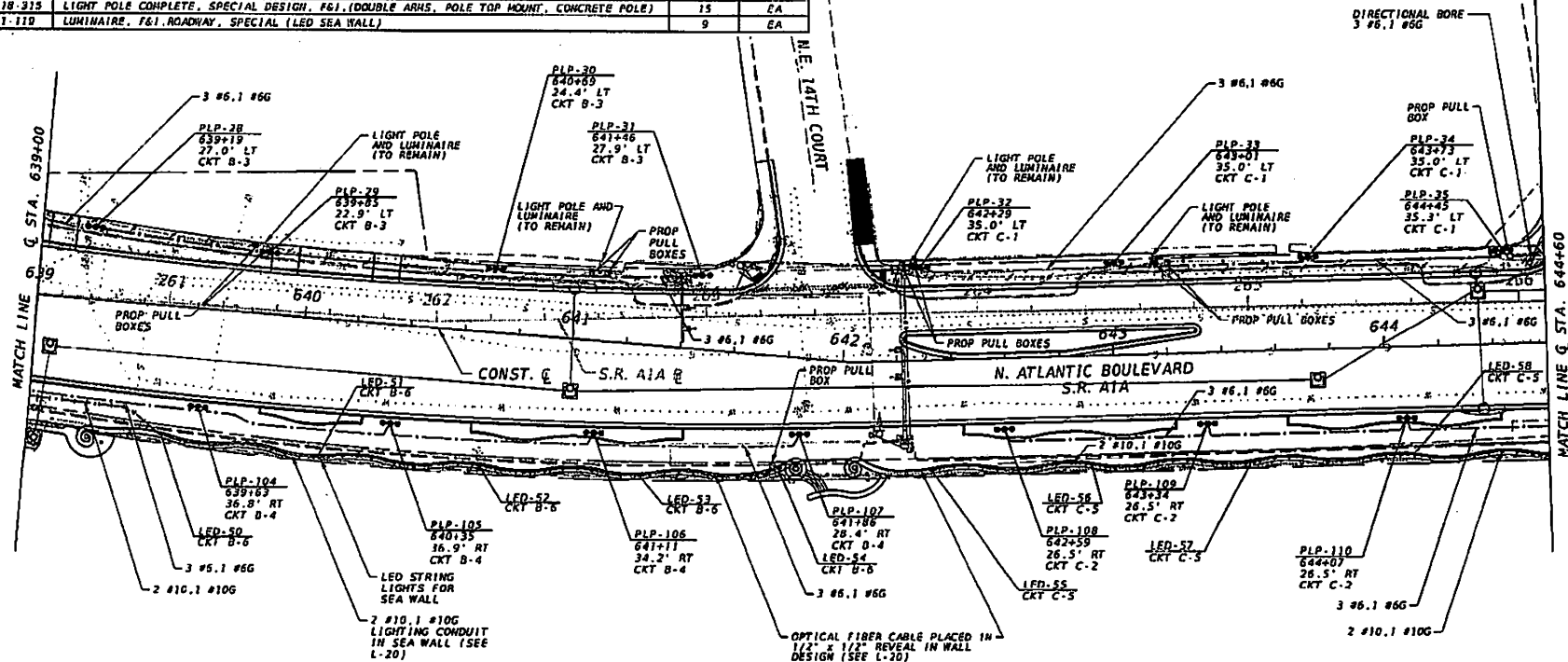
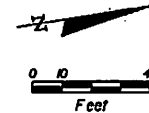




PAY ITEM NO.	DESCRIPTION	TOTAL	UNIT
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1,111	LF
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	1917	LF
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	23	LF
633-1-114	FIBER OPTIC CABLE, F61, OVERHEAD 97-144 FIBERS (WALL MOUNT)	564	LF
635-2-11	PULL & SPLICE BOX, F61, 13"x 24" COVER SIZE	390	EA
715-1-11	LIGHTING CONDUCTORS, F61, INSULATED, NO.10 OR <	12	EA
715-1-12	LIGHTING CONDUCTORS, F61, INSULATED, NO.8-6	1829	LF
715-1-13	LIGHTING CONDUCTORS, F61, INSULATED, NO.4 TO NO.2	5295	LF
715-1-60	LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS	0	EA
715-518-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F61, (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	1283	LF
715-11-110	LUMINAIRE, F61, ROADWAY, SPECIAL (LED SEA WALL)	15	EA
		9	EA

630-2-11 ITEM INCLUDES: 864 LF OF ADDITIONAL CONDUIT FOR EXISTING SPARE CONDUIT RUN AND EXISTING LIGHTING CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS.

715-1-12 ITEM INCLUDES: 1273 LF OF ADDITIONAL CONDUCTOR FOR EXISTING LIGHTING CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS.



FPL POLE WITH LUMINAIRES MARKED HERE ARE, IN GENERAL, OUTSIDE THE RIGHT OF WAY AND NOT EXPECTED TO BE IMPACTED BY CONSTRUCTION. ANY WORK THAT MAY BE REQUIRED ON FPL OWNED LIGHTING EQUIPMENT WILL BE DONE BY FPL.

ALL LIGHT POLE STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION CENTERLINE.

REVISIONS				EDMAN ANTHONY OF FLORIDA, INC. NISAR AL KHAN, P.E. 1403 ROYAL PALM BEACH BLVD., SUITE 300 ROYAL PALM BEACH, FL 33401 PHONE: 561-753-0723 FAX: 561-753-0724 CERTIFICATE OF AUTHORIZATION 35493	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>LIGHTING PLAN</b>  SHEET NO. <b>L-11</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					AJA	BROWARD	433688-4-52-01	

As per

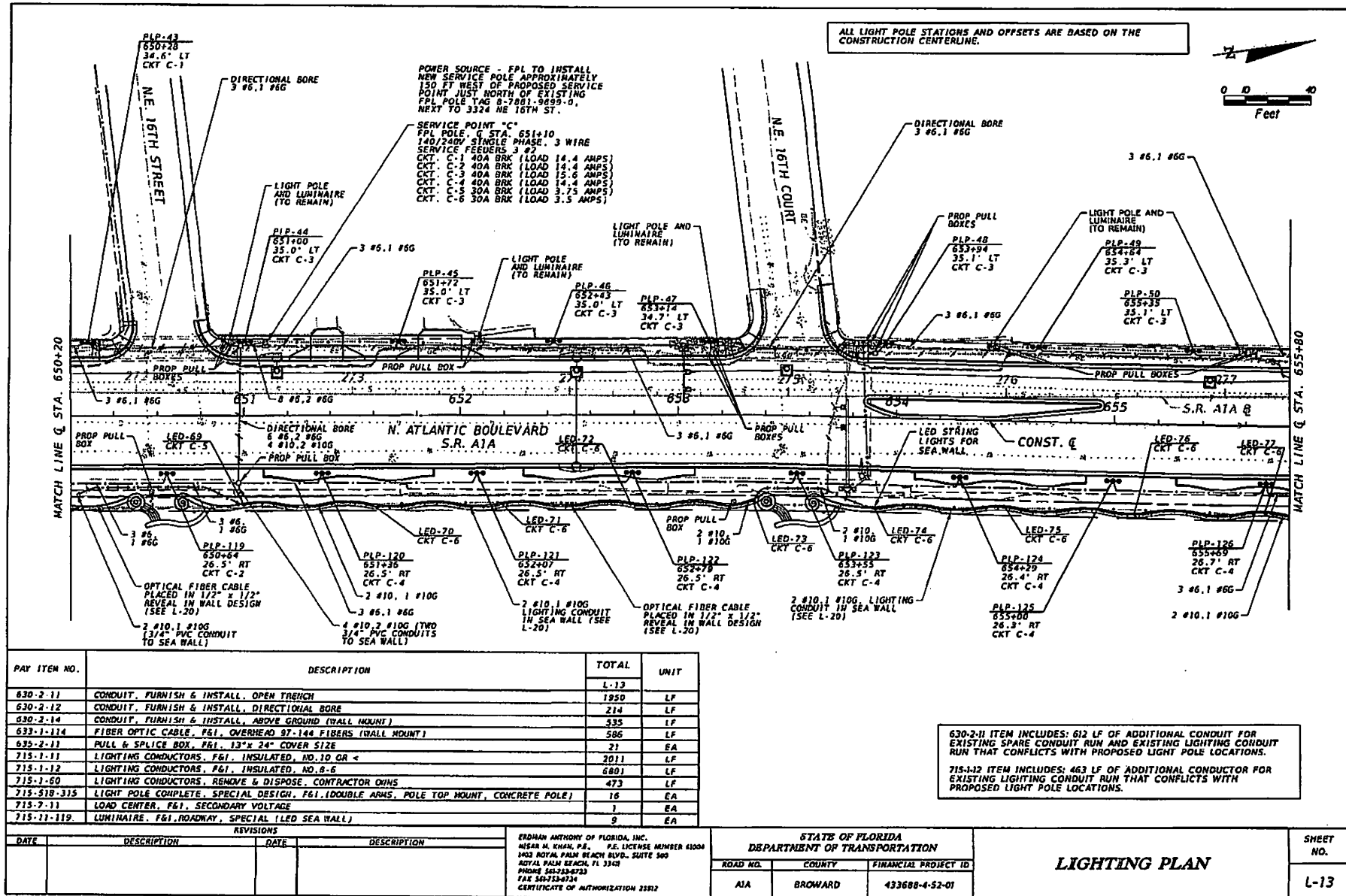
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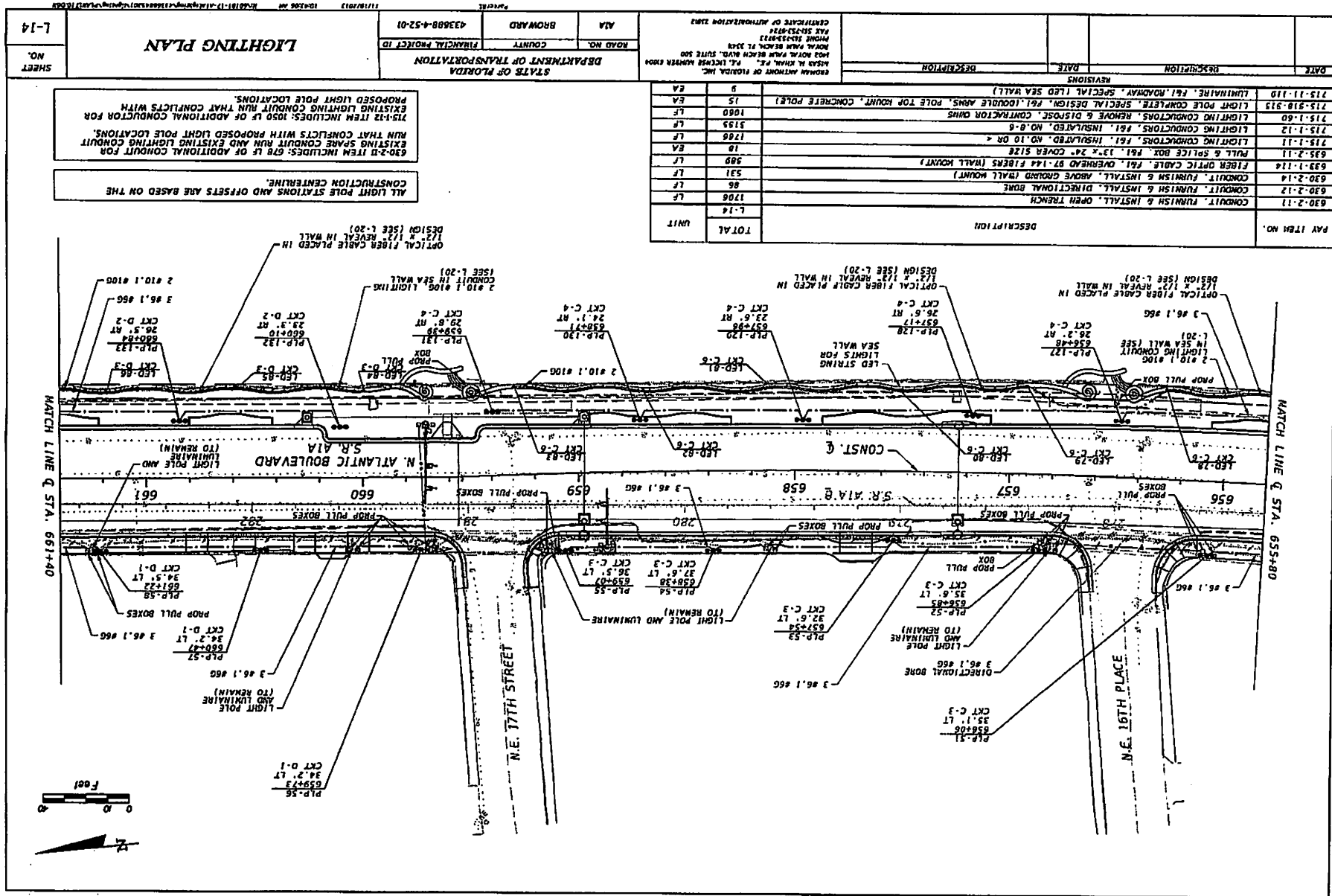
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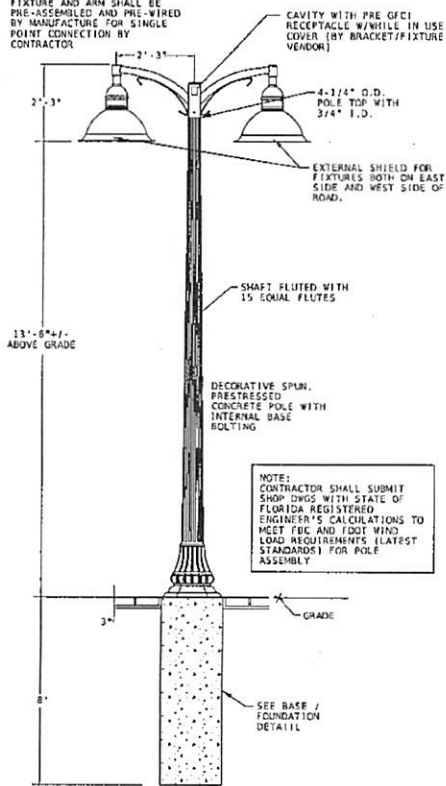








NOTE:  
FIXTURE AND ARM SHALL BE  
PRE-ASSEMBLED AND PRE-WIRED  
BY MANUFACTURE FOR SINGLE  
POINT CONNECTION BY  
CONTRACTOR

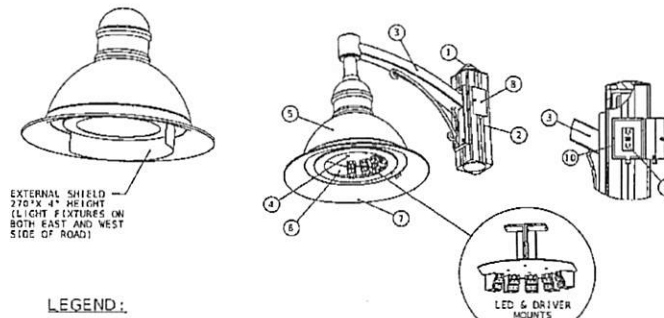
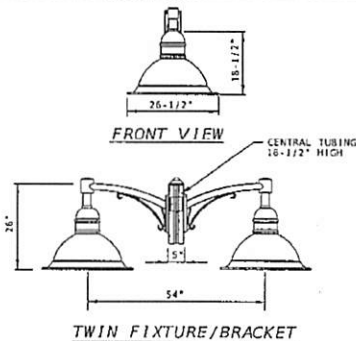


SPUNCAST PRESTRESSED WASHINGTON STYLE INTERNAL BASE PLATE  
CONCRETE POLE BY AMERON POLE PRODUCTS

POLES SHALL BE FORMED AS SINGLE PIECE POLE CONSISTING OF  
A TAPERED 4'-1/4" TO 7" FIFTEEN FLUTE SHAFT AND A 21"  
DIAMETER BY 24" HIGH DECORATIVE BASE TO AN OVERALL LENGTH  
OF 13'-6". THE POLE SHALL BE MOUNTED TO A CONCRETE  
FOUNDATION WITH (14) STAINLESS STEEL BOLTS ON A 9" BOLT  
PATTERN TO A STAINLESS STEEL INTERNAL POLE ADJUSTER  
PLATE. THE POLE BASE ACCESSIBLE BY A CONCRETE HAND HOLE  
COVER. THE POLE SHALL BE FORMED WITH BLACK EXPOSED  
AGGREGATES WITH AMERSHIELD ANTI-CRAFFITI COATING APPLIED.

POLE DESIGNATION: 26ST1412211SPECIAL (WITH TENDON)  
POLE WEIGHT: 480 LBS

**LIGHT POLE DETAIL**  
N.T.S.



**LEGEND:**

- 1 CENTRAL TUBING TOP COVER CAST ALUMINUM WITH (2) 1/4" -20 SS SET SCREWS
- 2 CAST ALUMINUM SQUARE CENTRAL TUBING TO FIT POLE TOP TENDON 4" DIA. X 8". (4) 3/8"-16 SS SET SCREWS (1) 1/2"-13 X 5" SS MACHINE SCREW THREADED TO CENTRAL TUBING FOR TORSION ROTATION. CONTRACTOR SHALL DRILL TENDON PER TEMPLATE PROVIDED BY VERTEX ILLUMINATION OF AMERICA
- 3 CAST ALUMINUM ARM WITH DECORATIVE SCROLL BOLTED TO CAST CENTRAL TUBING & 1-1/4" SS NIPPLE THREADED INTO ARM AND SECURED WITH LOCKNUT INSIDE FIXTURE HOUSING
- 4 LED DRIVERS MOUNT INSIDE ELECTRICAL COMPARTMENT INDEPENDENT FROM LED LIGHT ENGINE CAN BE REPLACED OR UPGRADED; VOLTAGE 120-277 V
- 5 FORMED ALUMINUM HOUSING-HOUSES TWO TIER LED ARRAYS, VERTICAL AND HORIZONTAL AIMING ANGLES, ASYMMETRICAL DISTRIBUTION WITH NO LIGHT DIRECTED TOWARDS THE HOUSE SIDE- LED ARRAY, LUMILEDS REBEL, AMBER COLOR
- 6 TEMPERED FLAT FROSTED GLASS LENS
- 7 CAST ALUMINUM LOWER FRAME
- 8 CAST ALUMINUM IN-USE DOOR FOR GFCI WITH FULL NYLON HINGE AND HEX HEAD NYLON SCREW AND RUBBER GASKET
- 9 DUPLEX GFCI RECEPTACLE-125VA-15A
- 10 JUNCTION BOX FOR GFCI

**FIXTURE NOTES:**

FIXTURES/BRACKETS BY VERTEX ILLUMINATIONS OF AMERICA (VIA) UTILIZING GLOSS BLACK FINISH, DARK SKY/TURBLE FRIENDLY FULL CUTOFF OPTICS

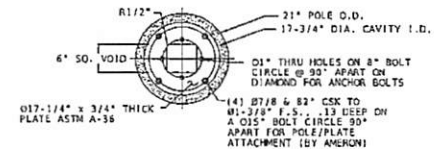
THE ENTIRE BRACKET/FIXTURE ASSEMBLY IS PRE-WIRED FOR EASY ONE POINT CONNECTION AT BOTTOM OF CENTRAL TUBING

**WEST SIDE**

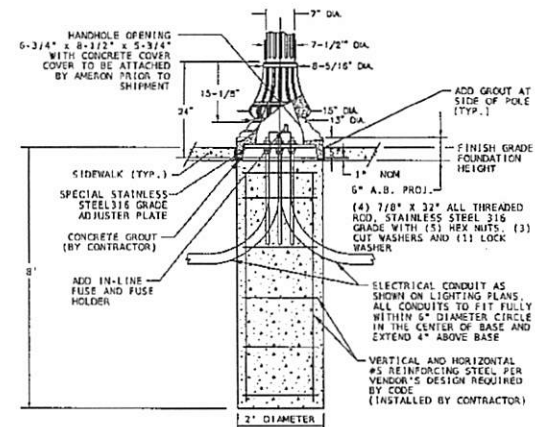
TWIN FIXTURE AND TWIN BRACKET ASSEMBLY:  
FIXTURE: CITTA-FLL-72W LED AMBER-TALE-240V-GLOSS-BLACK  
BRACKET: FCL-FLL-BR2-27-0KTX  
EXTERNAL 270 DEGREE SHIELD: CAT. #CITTA 270S-4-GLOSS-BLACK  
EPA ASSEMBLY: 5.25 SQ FT; WEIGHT ASSEMBLY: 154 LBS

**EAST SIDE**

TWIN FIXTURE AND TWIN BRACKET ASSEMBLY:  
FIXTURE: CITTA-FLL-100W LED AMBER-TALE-240V-GLOSS-BLACK  
BRACKET: FCL-FLL-BR2-27-0KTX  
EXTERNAL 270 DEGREE SHIELD: CAT. #CITTA 270S-4-GLOSS-BLACK  
EPA ASSEMBLY: 5.25 SQ FT; WEIGHT ASSEMBLY: 154 LBS



**BOTTOM VIEW WITH SPECIAL ADJUSTER PLATE**



**BASE / FOUNDATION DETAIL**  
N.T.S.

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				A1A	BROWARD	433688-4-52-01	L-17

EDMAN ANTHONY OF FLORIDA, INC.  
NIGAR M. EDMAN, P.E. P.E. LICENSE NUMBER 61004  
1602 ROYAL PALM BEACH BLVD., SUITE 500  
ROYAL PALM BEACH, FL 33401  
PHONE 561-253-0723  
FAX 561-253-0724  
CERTIFICATE OF AUTHORIZATION 23802

Particular

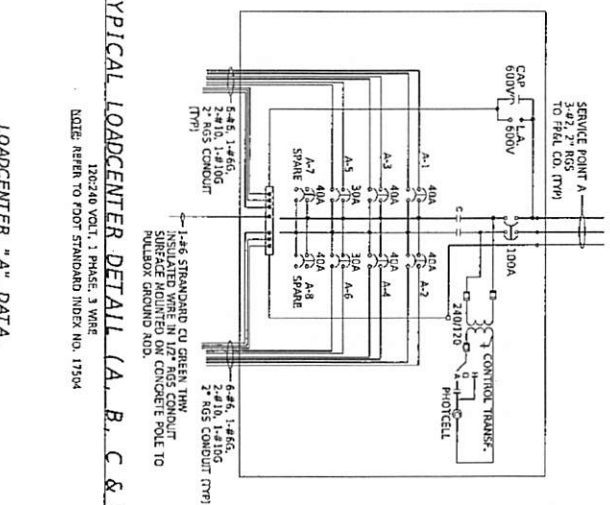
11/19/2013

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**LIGHT POLE DETAILS**





### SIDE ELEVATION

TYPICAL LOAD CENTER DETAIL (A, B, C & D)

120/240 VOLT, 1 PHASE, 3 WIRE

NOTE: REFER TO PDOT STANDARD INDEX NO. 17504

10. ENCLOSURE TO BE SIZED TO ACCOMMODATE THE NUMBER OF CIRCUIT BREAKERS AS INDICATED ON THE LOADSCHEDULE DETAIL AND AS PER IOT STANDARDS.
11. ENCLOSURE TO BE MOUNTED ATTACHED TO THE POLYFACE OPPOSITE ON CONCRETE TRAFFIC
12. PANELBOARD SHALL BE SERVICE ENTRANCE RATED.
13. MOUNTING HEIGHT OF SERVICE DISCONNECT SHALL BE AS PER F.D.O.T. INDEX 17594.
14. PANELBOARD SHALL HAVE 75,000 AIC RATING.
15. ALL PACE INSTALLATIONS MUST MEET FLORIDA BUILDING CODE WIND LOADING REQUIREMENTS. PROVIDE PROPER BRACING FOR THE SUPPORTING SUBSTRUCTURE. A FURTHER CHECKING CALCULATION SHOULD BE PROVIDED BY THE SUBMITTER TO VERIFY THAT IN FLORIDA SHOWING THAT THE PROPOSED INSTALLATION WILL MEET THE WIND LOADING REQUIREMENT.

DESCRIPTION	TOTAL AMP5	TOTAL KVA
SERVICE POINT "D"	20.8	5.0

---

1-  
10-13-2011

2013 10-4-2016 PM 16:50:18:17-ATA\giting\4536845201\vipaling\SRPTL7.02.D5N



LED ILLUMINATION TABLE (CONT'D)					STATION	
WALL NO.	LED NAME	CONDUIT	STATION	OFFSET	SIZE	RT.
10	LED-55	C-5	640-31	RT.		
	LED-56	C-5	640-31	RT.		
	LED-57	C-5	640-31	RT.		
	LED-58	C-5	640-31	RT.		
	LED-59	C-5	640-31	RT.		
11	LED-60	C-5	640-31	RT.		
	LED-61	C-5	640-31	RT.		
	LED-62	C-5	640-31	RT.		
	LED-63	C-5	640-31	RT.		
	LED-64	C-5	640-31	RT.		
12	LED-65	C-5	640-31	RT.		
	LED-66	C-5	640-31	RT.		
	LED-67	C-5	640-31	RT.		
	LED-68	C-5	640-31	RT.		
13	LED-69	C-5	640-31	RT.		
	LED-70	C-5	640-31	RT.		
	LED-71	C-5	640-31	RT.		
	LED-72	C-5	640-31	RT.		
14	LED-73	C-5	640-31	RT.		
	LED-74	C-5	640-31	RT.		
	LED-75	C-5	640-31	RT.		
	LED-76	C-5	640-31	RT.		
	LED-77	C-5	640-31	RT.		
	LED-78	C-5	640-31	RT.		
15	LED-79	C-5	640-31	RT.		
	LED-80	C-5	640-31	RT.		
	LED-81	C-5	640-31	RT.		
	LED-82	C-5	640-31	RT.		
16	LED-83	C-5	640-31	RT.		
	LED-84	C-5	640-31	RT.		
	LED-85	C-5	640-31	RT.		
	LED-86	C-5	640-31	RT.		
	LED-87	C-5	640-31	RT.		
	LED-88	C-5	640-31	RT.		
17	LED-89	C-5	640-31	RT.		
	LED-90	C-5	640-31	RT.		
	LED-91	C-5	640-31	RT.		
	LED-92	C-5	640-31	RT.		
	LED-93	C-5	640-31	RT.		
18	LED-94	C-5	640-31	RT.		

LED ILLUMINATION TABLE					STATION	
WALL NO.	LED NAME	CONDUIT	STATION	OFFSET	SIZE	RT.
1	LED-01	A-4	609-46	RT.		
	LED-02	A-4	609-46	RT.		
	LED-03	A-4	609-46	RT.		
	LED-04	A-4	609-46	RT.		
	LED-05	A-4	609-46	RT.		
	LED-06	A-4	609-46	RT.		
	LED-07	A-4	609-46	RT.		
	LED-08	A-4	609-46	RT.		
2	LED-09	A-4	609-46	RT.		
	LED-10	A-4	609-46	RT.		
	LED-11	A-4	609-46	RT.		
	LED-12	A-4	609-46	RT.		
	LED-13	A-4	609-46	RT.		
3	LED-14	A-4	609-46	RT.		
	LED-15	A-4	609-46	RT.		
	LED-16	A-5	618-44	RT.		
	LED-17	A-5	618-44	RT.		
	LED-18	A-5	618-44	RT.		
4	LED-19	A-5	620-40	RT.		
	LED-20	A-5	620-40	RT.		
	LED-21	A-5	620-40	RT.		
	LED-22	A-5	620-40	RT.		
5	LED-23	B-5	629-41	RT.		
	LED-24	B-5	629-41	RT.		
	LED-25	B-5	629-41	RT.		
	LED-26	B-5	629-41	RT.		
	LED-27	B-5	629-41	RT.		
	LED-28	B-5	629-41	RT.		
6	LED-29	B-5	629-41	RT.		
	LED-30	B-5	629-41	RT.		
	LED-31	B-5	629-41	RT.		
	LED-32	B-5	629-41	RT.		
	LED-33	B-5	629-41	RT.		
	LED-34	B-5	629-41	RT.		
	LED-35	B-5	629-41	RT.		
	LED-36	B-5	629-41	RT.		
	LED-37	B-5	629-41	RT.		
	LED-38	B-5	629-41	RT.		
7	LED-39	B-5	629-41	RT.		
	LED-40	B-5	629-41	RT.		
	LED-41	B-5	629-41	RT.		
	LED-42	B-5	629-41	RT.		
	LED-43	B-5	629-41	RT.		
	LED-44	B-5	629-41	RT.		
8	LED-45	B-5	629-41	RT.		
	LED-46	B-5	629-41	RT.		
	LED-47	B-5	629-41	RT.		
	LED-48	B-5	629-41	RT.		
	LED-49	B-5	629-41	RT.		
9	LED-50	B-5	629-41	RT.		
	LED-51	B-5	629-41	RT.		
	LED-52	B-5	629-41	RT.		
	LED-53	B-5	629-41	RT.		
	LED-54	B-5	629-41	RT.		

NOTE:  
SEE PLAN SHEETS FOR CONDUCTOR SIZES.

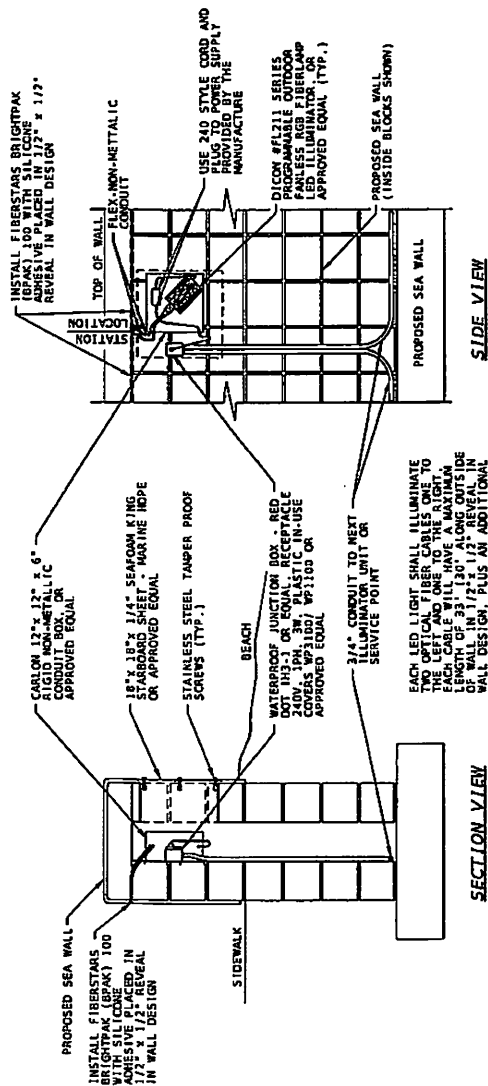
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

EDWARD M. HOFFMAN OF FLORIDA, INC.  
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER  
1001 N. PALM BEACH BLVD., SUITE 200  
PALM BEACH, FL 33480  
PHONE: (561) 833-9933  
FAX: (561) 833-9933  
CERTIFICATE OF AUTHORIZATION 23812

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. A1A  
COUNTY BROWARD  
FINANCIAL PROJECT ID 433688-4-52-01

SHEET NO. L-20

CUSTOM PRE-ASSEMBLED ENCLOSURE BY FLORIDA ARCHITECTURAL LIGHT OR APPROVED EQUAL  
TO INCLUDE:  
CARLON 12"x 12" x 6" RIGID NON-METALLIC CONDUIT BOX WITH WATERPROOF FITTINGS  
DICON #FL211 SERIES LED LAMP WITH POWER SUPPLY AND CABLES  
WATER PROOF JUNCTION BOX, RECEPTACLE AND COVER



LED ILLUMINATOR MOUNTING DETAIL  
N.T.S.

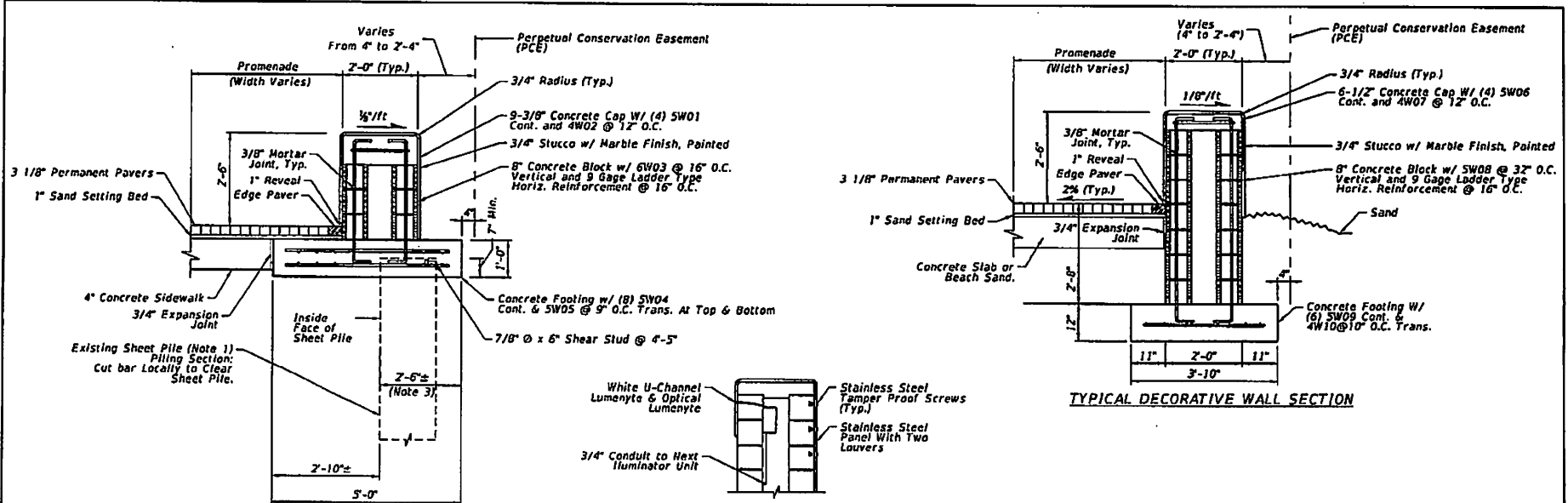
# SEA WALL LED STRIP LIGHTING DETAILS

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STRUCTURAL GENERAL NOTES

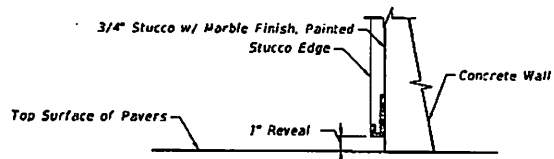
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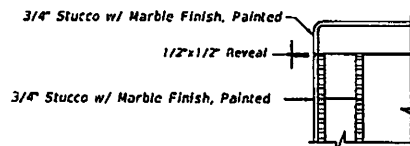
**TYPICAL DECORATIVE WALL SECTION WITH EXISTING SHEET PILE**

**WALL LIGHTING SECTION**

Note 1: In areas where the existing sheet pile may be interfering with the wall construction, the contractor shall notify the Engineer before commencing the construction. No existing sheet pile can be cut before approval by the Engineer. See as-built sheet pile profile (Sheets BW-18 to BW-20) for sheet pile elevations. 2: Cut bar locally to clear sheetpile. 3: See Sheet BW-12 Thru BW-16 For Sheet Pile Location. Actual Dimension May Deviate Slightly From 2'-6". 4: For Wall and Footing Elevation, See Sheet BW-17



**WALL REVEAL DETAIL**



**STUCCO REVEAL DETAIL**

REVISIONS				EAC Consulting, Inc. 815 N.W. 67TH AVENUE, SUITE 402 MIAMI, FL 33126 305-265-2557 K.T. LIN, P.E. P.E. LIC. #1001 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL WALL DETAILS (1 OF 2)	SHEET NO.  BW-3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					A1A	BROWARD	433688-4-52-01		

CAD7011

11/21/2013

433688-4-52-01

11/21/2013

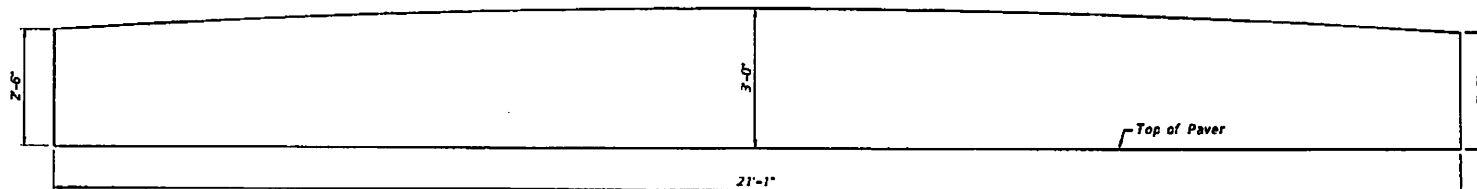
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11/21/2013

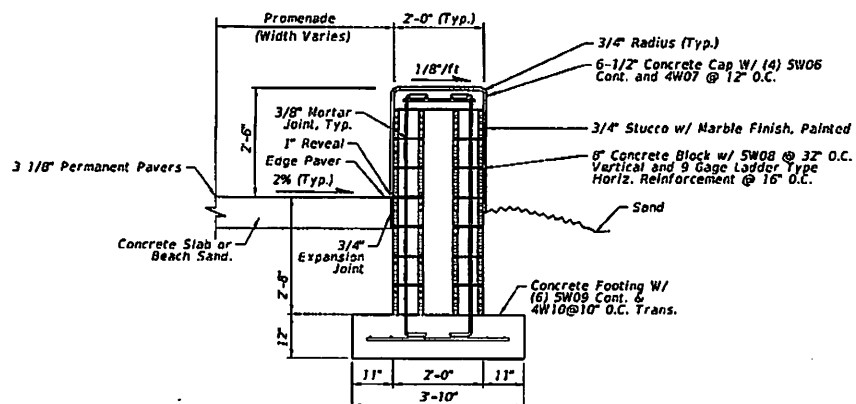
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11/21/2013

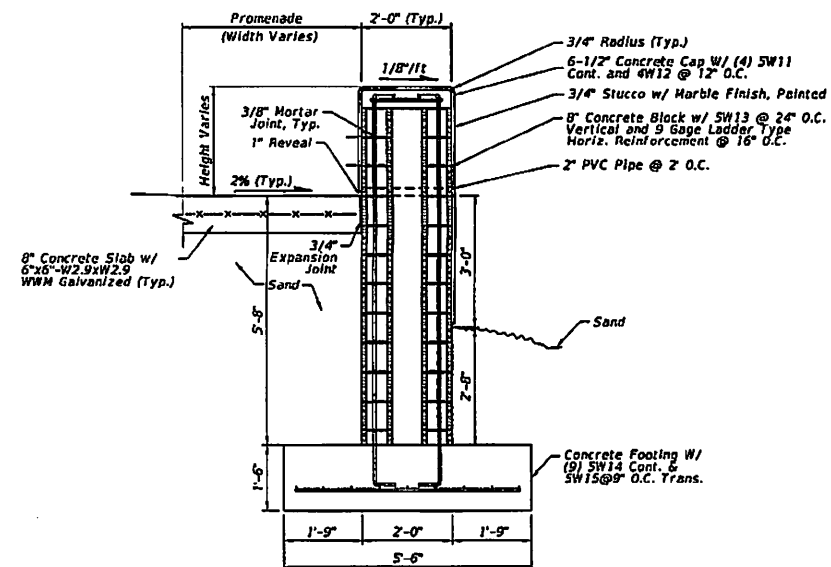
433688-4-52-01



**BACK WALL ELEVATION**



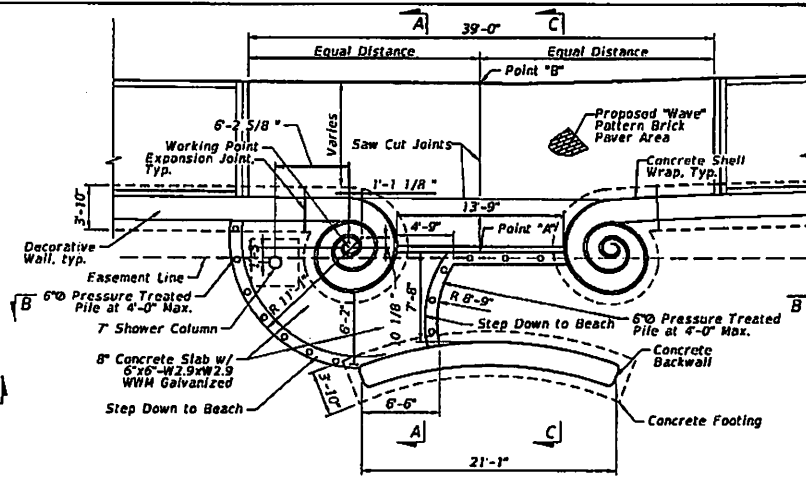
**TYPICAL BACKWALL SECTION**



**SECTION F-F**

For Location of Section F-F, See Sheet BW-6

REVISIONS				EAG CONSULTING, Inc. 015 NW, 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-265-2557 K.T. LIN, P.E. P.E. LIC. 41081 WWW.EAGCONSULT.COM	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL WALL DETAILS (2 OF 2)	SHEET NO.  BW-4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				CAD/P011	A1A	BROWARD	433688-4-52-01		

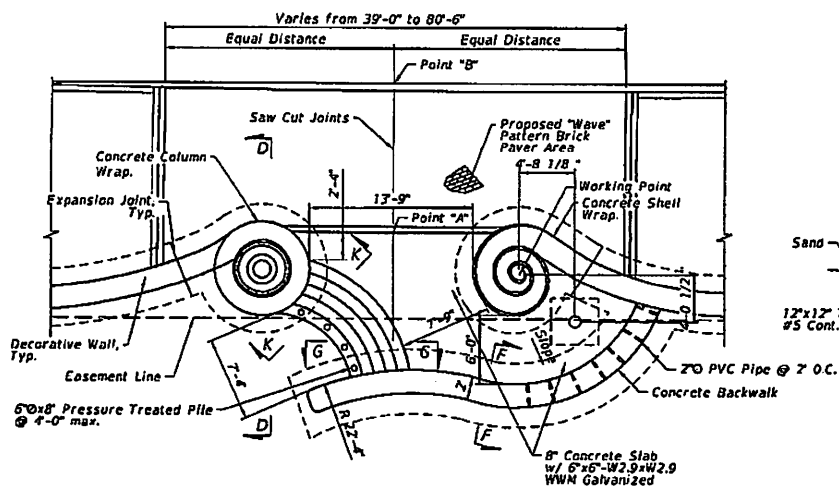
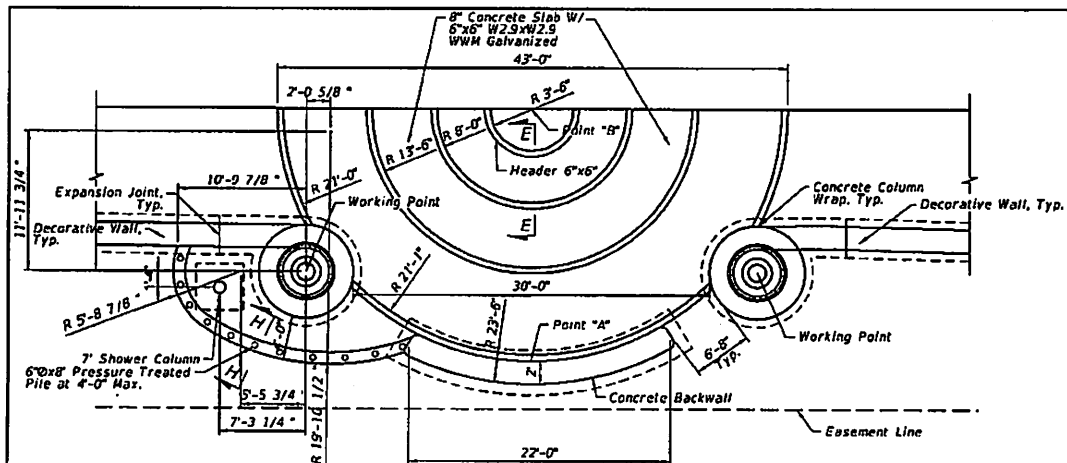


TYPE A ENTRY  
(MINOR ENTRANCE WITHOUT SHEET PILE)

Entry Number	Entry Type	Distance from Point "A" to Easement Line	Distance from Point "A" to "B"	Shower Location
1	E	6'-6"	13'-5"	North Side
2	C	8'-9"	23'-6"	South Side
3	B	6"	15'-1"	South Side
4	A	6'-3"	15'-9"	North Side
5	A	4"	18'-8"	South Side
6	A	4"	11'-8"	North Side
7	A	4"	12'-2"	North Side
8	A	4"	12'-2"	North Side
9	E	1'-3"	15'-4"	North Side
10	D	7'-6"	12'-8"	North Side
11	O	7'-4"	12'-8"	North Side
12	D	7'-3"	19'-3"	South Side
13	D	7'-4"	12'-8"	North Side
14	O	7'-4"	12'-11"	North Side
15	D	7'-4"	12'-7"	North Side
16	D	7'-4"	19'-2"	North Side
17	D	6'-8"	13'-4"	North Side
18	E	1'-6"	15'	South Side

1. For Shell Wrap Details, See Sheet BW-B.
2. For Column Details, See Sheet BW-9.
3. For Concrete Back Wall Elevation, See Sheet BW-4
4. For Concrete Back Wall Details, See Sheet BW-4
5. For Decorative Wall Detail, See Sheet BW-3
6. For Section A-A, See Sheet BW-10
7. For Section B-B, See Sheet BW-10
8. For Section C-C, See Sheet BW-10
9. For Shower Column Details, See Sheet BW-11
10. Legend "A" designates 4" Rise In Step. See Section B-B on Sheet BW-10
11. In areas where the existing sheet pile may be interfering with the wall construction, the contractor shall notify the Engineer before commencing the construction.  
No existing sheet pile can be cut before approval by the Engineer.  
See as-built sheet pile profile (Sheets BW-18 to BW-20) for sheet pile elevations.
12. Cut bar locally to clear sheetpile
13. For Points "A" & "B" See Entry Dimension Table on This Sheet

REVISIONS				EAC Consulting, Inc. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-265-2557 K.T. LAM, P.E. P.E. LIC. 41001 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPE A & B ENTRANCE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		BW-5
					A1A	BROWARD	433688-4-52-01		



**TYPE D ENTRY**  
(MAJOR ENTRANCE WITH SHEET PILE)

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

EAC Consulting, Inc.  
815 N.W. 57TH AVENUE, SUITE 402  
MIAMI, FL 33126  
305-285-1857  
K.T. LIM, P.E.  
P.E. LIC. #1081  
WWW.EACCONSULT.COM

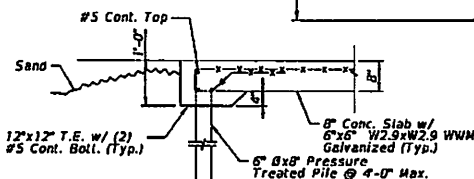
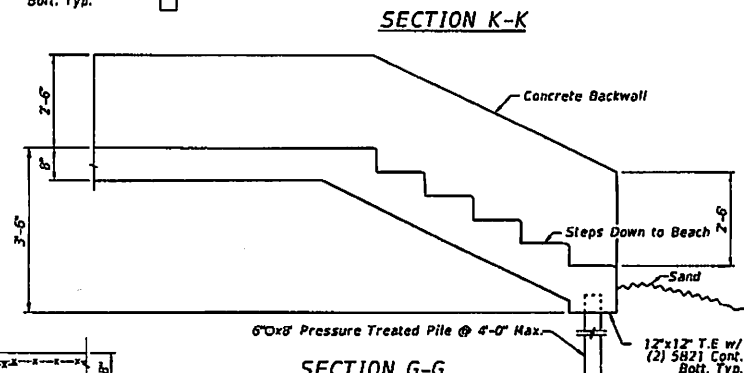
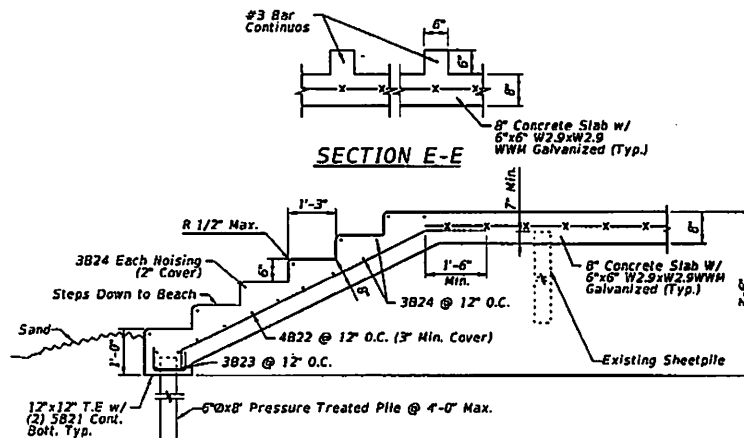
CAN7011

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	433688-4-52-01

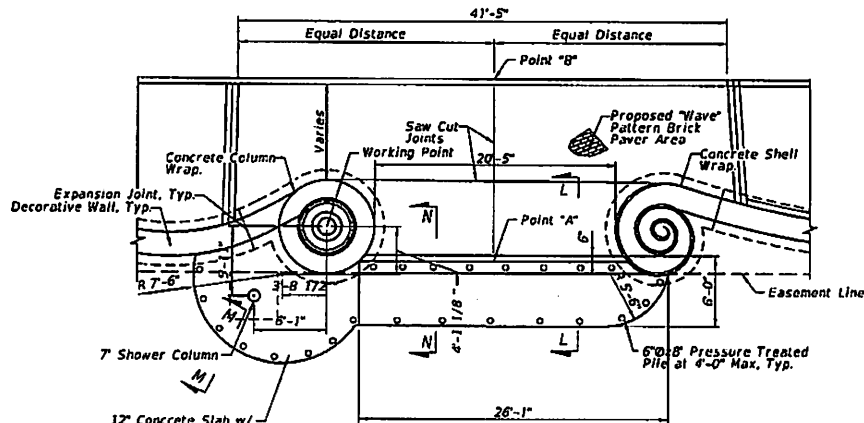
**TYPE C & D ENTRANCE DETAILS**

SHEET NO.  
BW-6

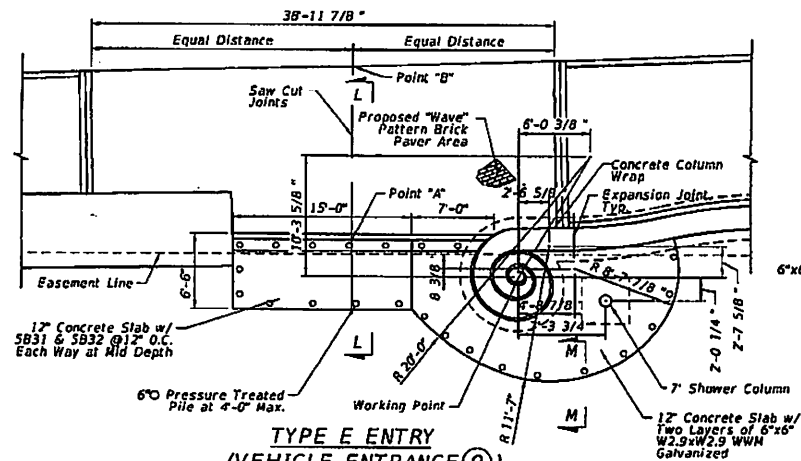


**SECTION H-H**

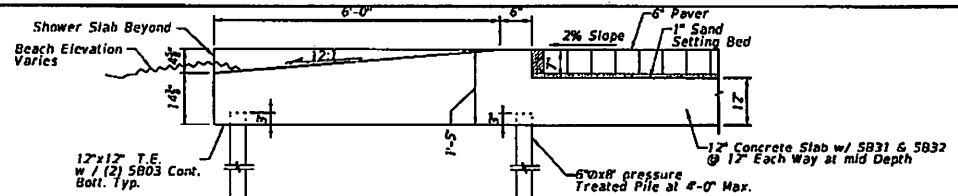
- Notes:**
1. For Shell Wrap Details, See Sheet BW-8
  2. For Column Details, See Sheet BW-9
  3. For Concrete Back Wall Detail, See Sheet BW-4
  4. For Decorative Wall Details, See Sheet BW-3
  5. For Shower Column Details, See Sheet BW-11
  6. For Section D-D, See Sheet BW-9
  7. For Section F-F See Sheet BW-4
  8. Legend "R" designates 4" Rise in Step. See Section B-B Sheet BW-10
  9. In areas where the existing sheet pile may be interfering with the wall construction, the contractor shall notify the Engineer before commencing the construction. No existing sheet pile can be cut before approval by the Engineer. See as-built sheet pile profile (Sheets BW-18 to BW-20) for sheet pile elevations.
  10. For Points "A" & "B" See Entry Dimension Table on Sheet BW-5.



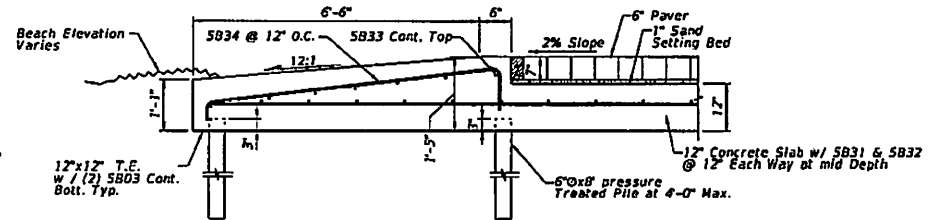
TYPE E ENTRY  
(VEHICLE ENTRANCE 18)



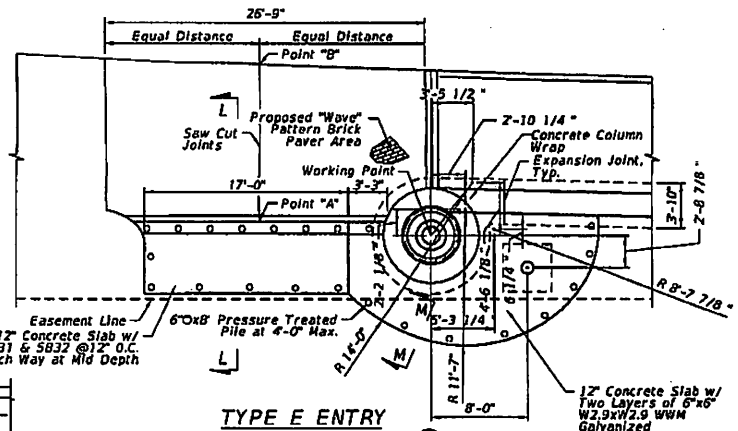
TYPE E ENTRY  
(VEHICLE ENTRANCE 9)



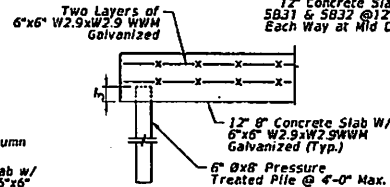
SECTION N-N  
(REINF. STEEL NOT SHOWIN)



SECTION L-L



TYPE E ENTRY  
(VEHICLE ENTRANCE 1)



SECTION M-M

- Notes:  
1. For Shell Wrap Details, See Sheet BW-8.  
2. For Column Details, See Sheet BW-9.  
3. For Points "A" & "B" Information, See Entry Dimension Table on Sheet BW-7.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

EAC Consulting, Inc.  
815 N.W. 57TH AVENUE, SUITE 402  
MIAMI, FL 33126  
305-265-2557  
K.T. LUK, P.E.  
P.E. LIC. 41081  
WWW.EACCONSULT.COM

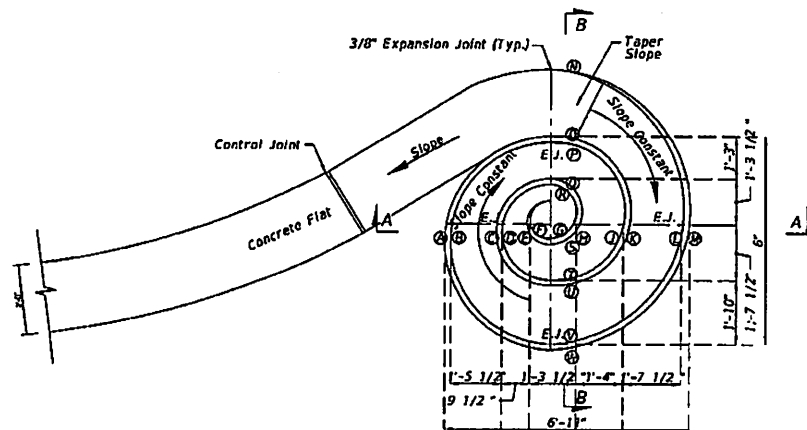
CAD7011

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	433688-4-52-01

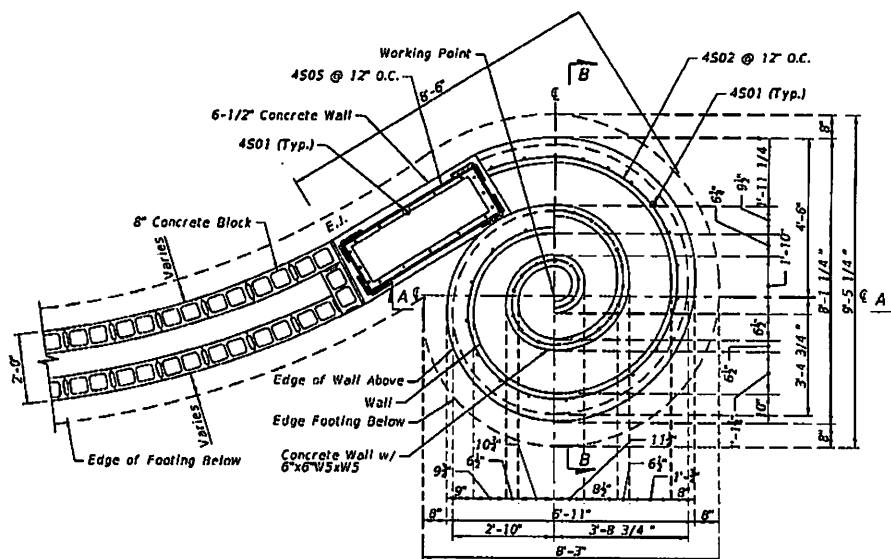
TYPE E ENTRANCE DETAILS

SHEET  
NO.  
BW-7

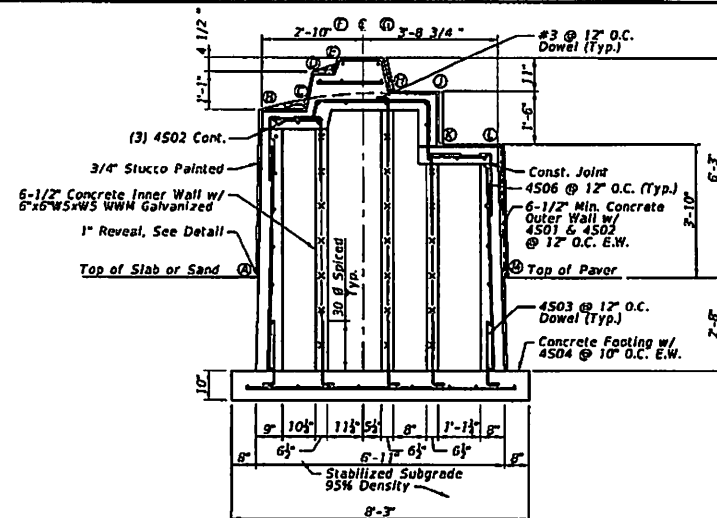




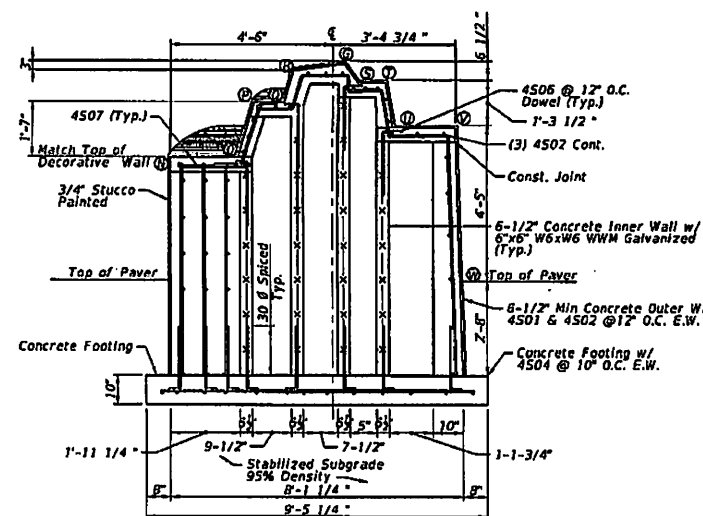
SHELL WRAP PLAN



SHELL WRAP FOUNDATION PLAN



SECTION A - A

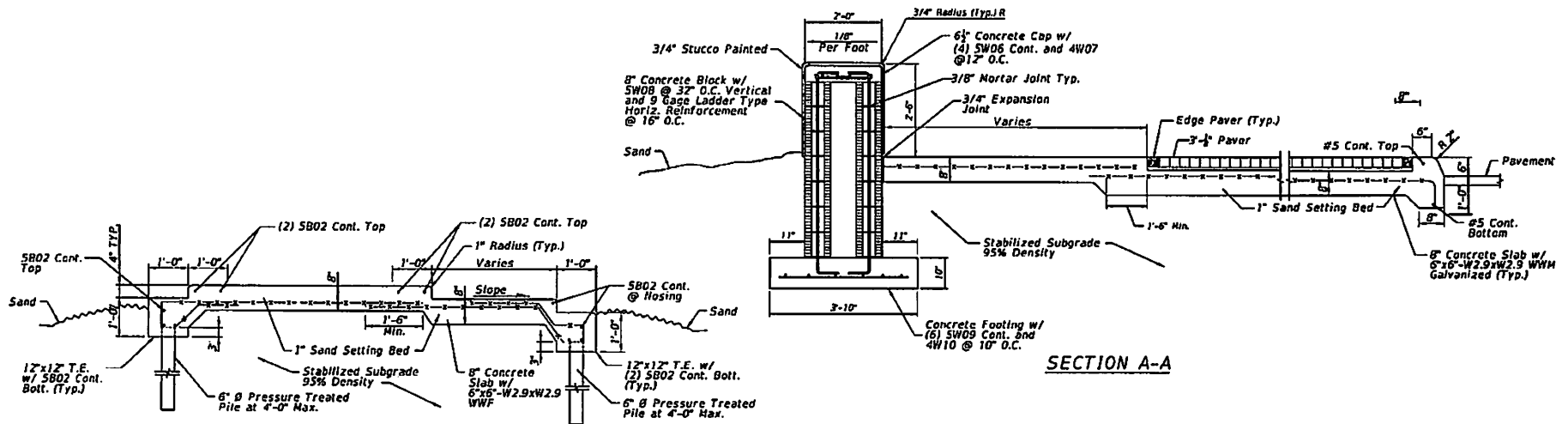


SECTION B - B

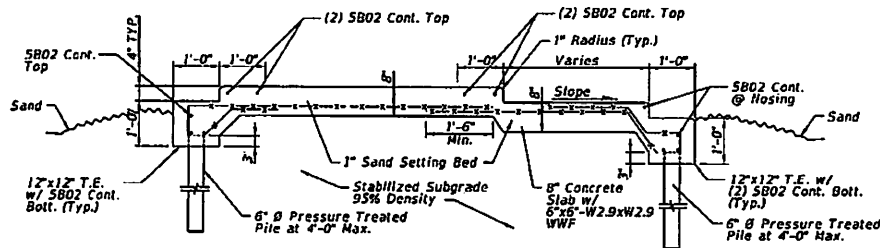
REVISIONS				SAC CONSULTING, INC. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-255-2567 K.T. LIN, P.E. P.E. LIC. 41081 WWW.SACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  BW-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					A1A	BROWARD	433688-4-S2-01	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 517.002, F.A.C.

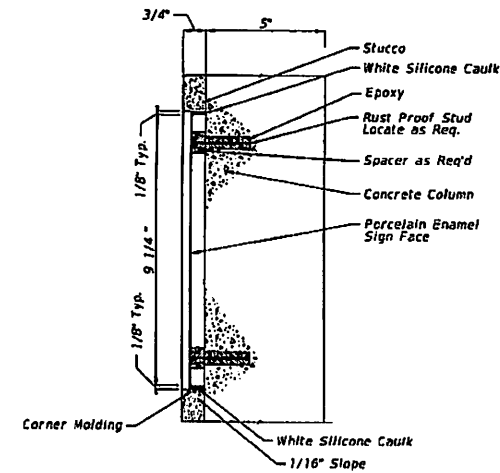




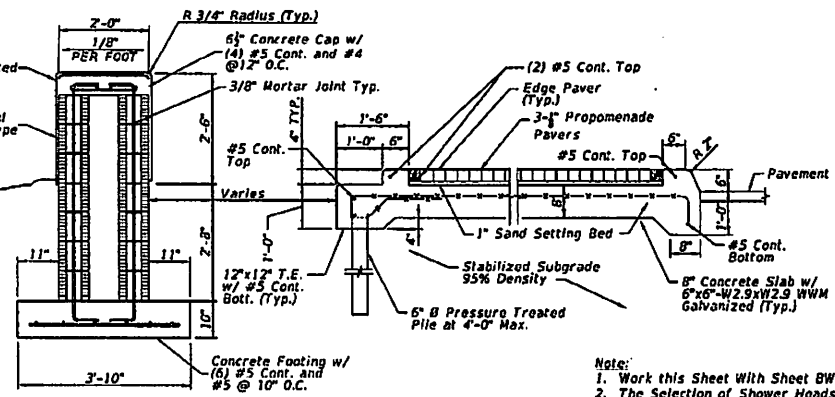
SECTION A-A



SECTION B-B



COLUMN SIGN MOUNTING DETAIL

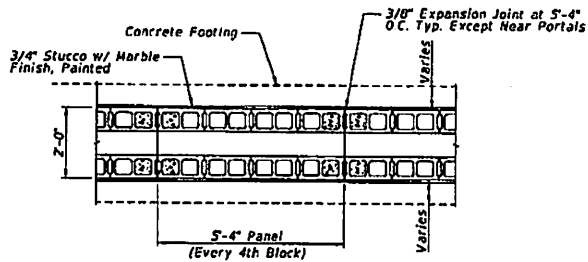


SECTION C-C

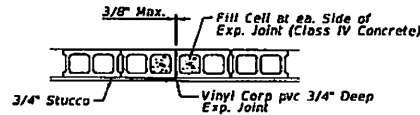
Note:  
1. Work this Sheet With Sheet BW-5  
2. The Selection of Shower Heads and faucets Shall be Coordinated and Approved by The City Park and Recreation Department.

REVISIONS				EAC CONSULTING, INC. 615 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33120 305-265-2557 K.T. LIN, P.E. P.E. LIC. 41081 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STRUCTURAL DETAILS (1 OF 2)	SHEET NO. BW-10
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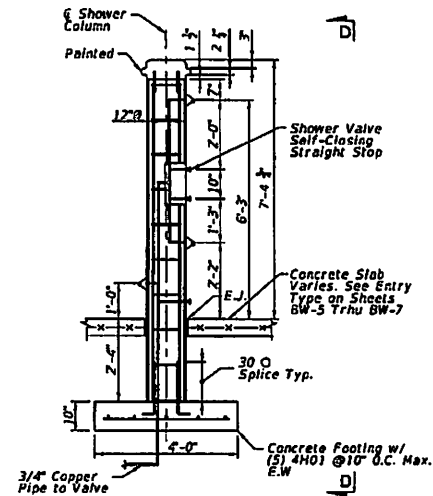
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 3417.002, F.A.C.



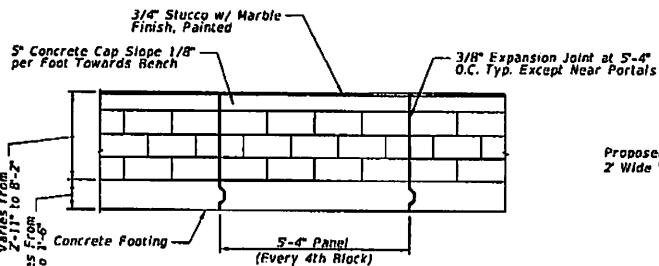
DECORATIVE WALL JOINT PLAN



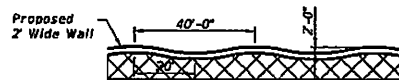
BLOCK JOINT



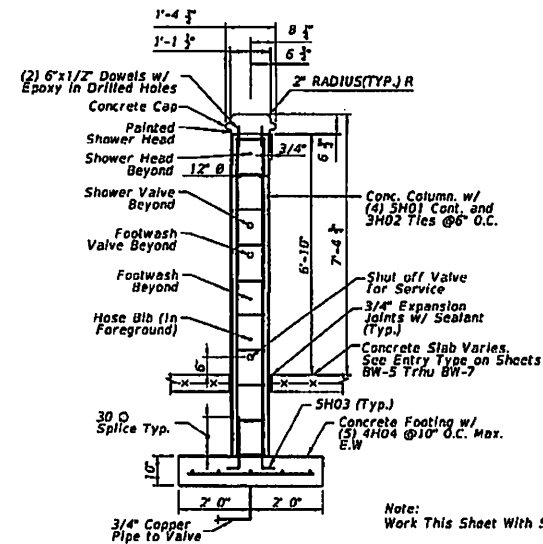
ELEVATION: SHOWER COLUMN



DECORATIVE WALL JOINT ELEVATION



WAVE WALL PLAN DETAIL

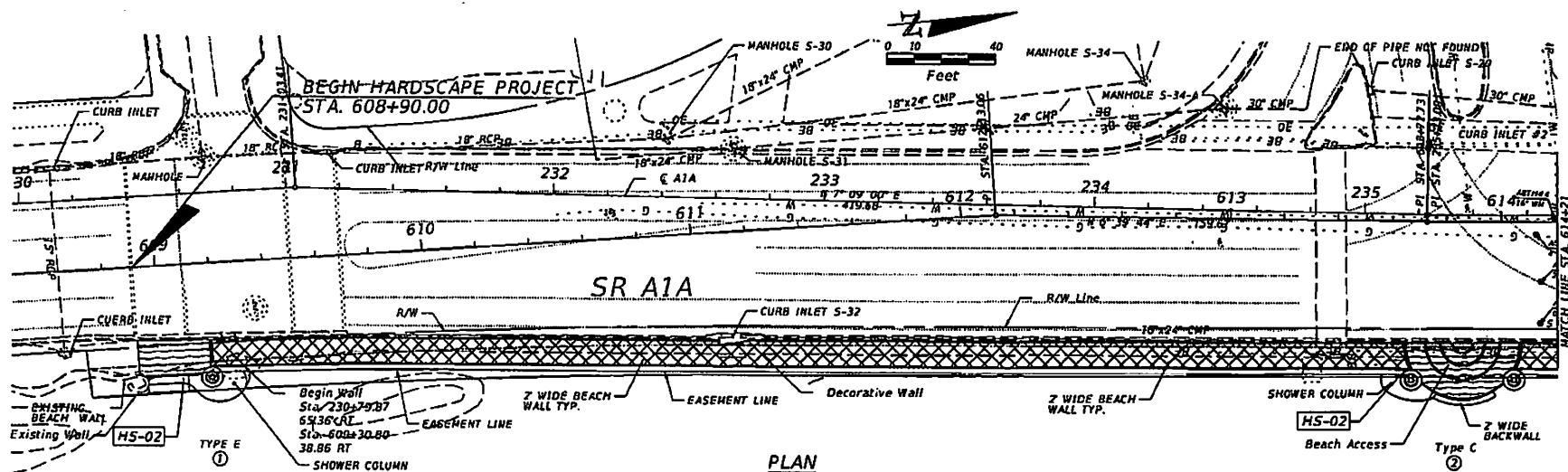


SECTION D-D

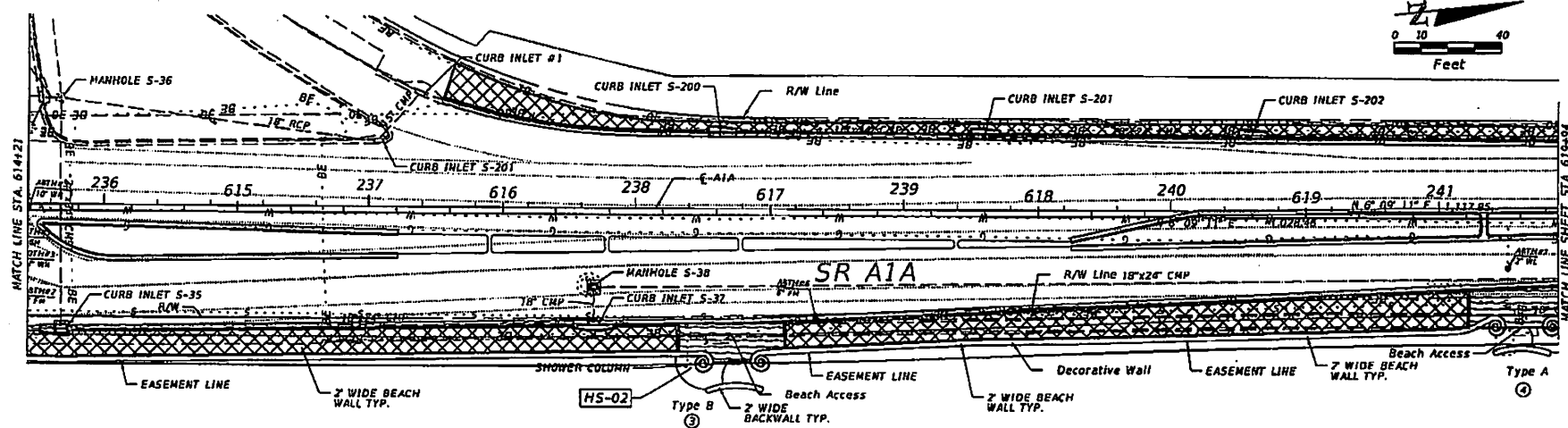
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Work This Sheet With Sheets BW-3 Thru BW-5

REVISIONS				EAC CONSULTING, INC. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-285-2557 K.T. LIN, P.E. P.E. LIC. 41081 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STRUCTURAL DETAILS (2 OF 2)	SHEET NO. BW-11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					A1A	BROWARD	433688-4-52-01		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 517.063, F.A.C.



PLAN



PLAN

LEGEND: ① Indicates Entrance ID Number

Note: See Sheets BW-5 Thru BW-7 For Entry Type Details

REVISIONS				EAC Consulting, Inc. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-268-2857 K.T. LIN, P.E. P.E. LIC. 41091 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>WALL PLANS (1 OF 5)</b>	SHEET NO.  BW-12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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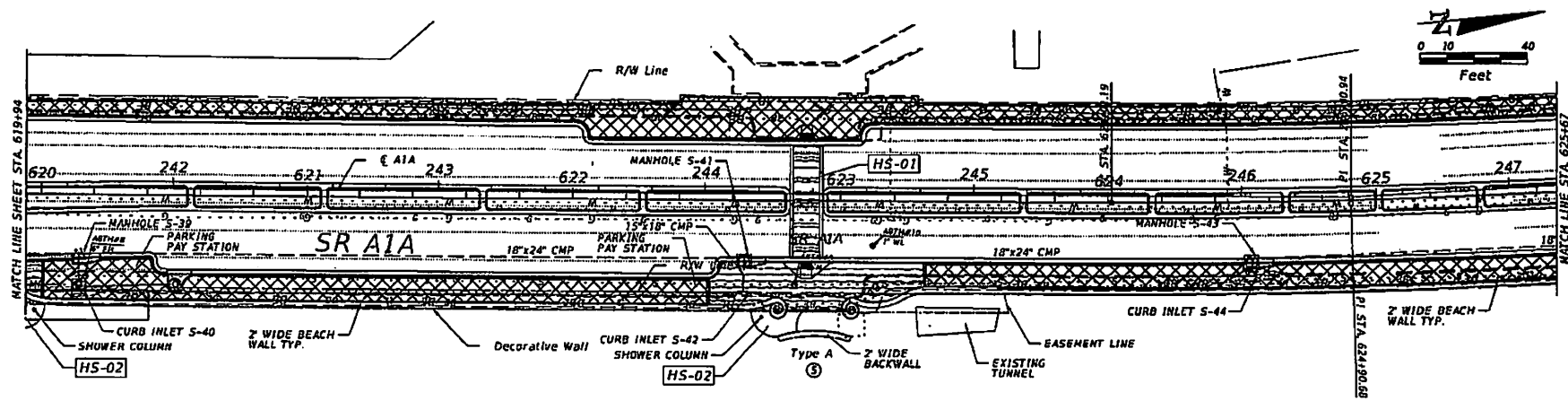
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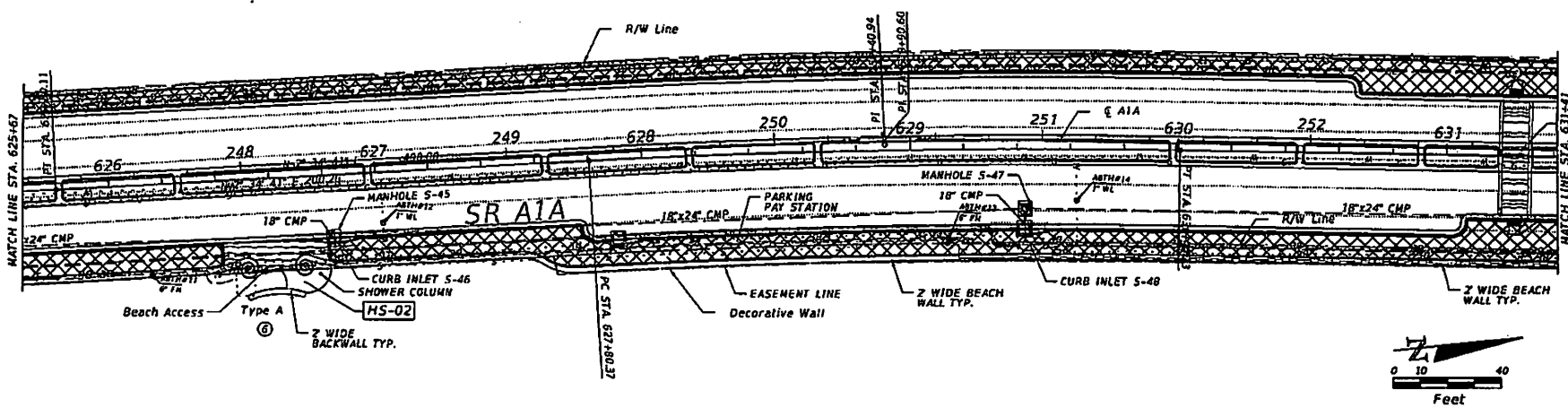
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PLAN



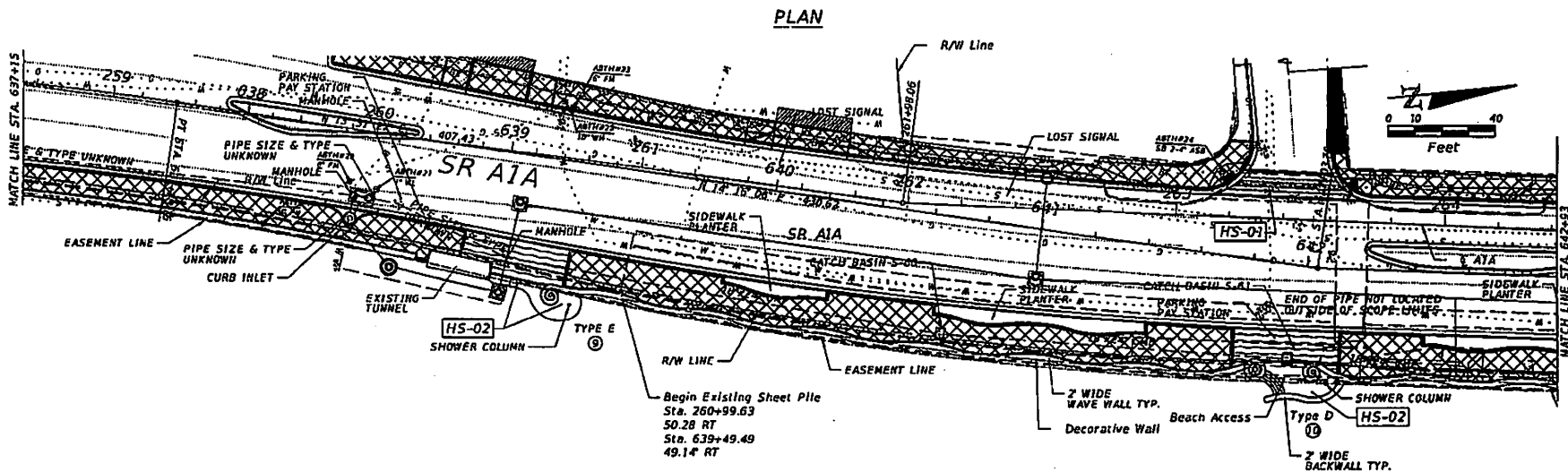
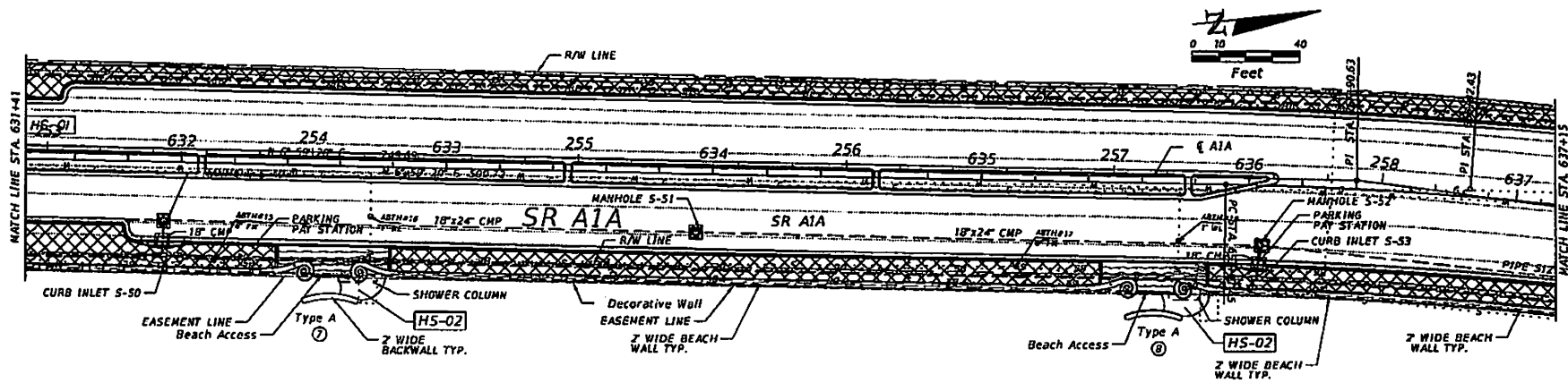
PLAN

LEGEND: ① Indicates Entrance ID Number

Note: See Sheets BW-5 Thru BW-7 For Entry Type Details

REVISIONS				EAC Consulting, Inc. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33128 305-255-2687 K.T. LAM, P.E. P.E. LIC. 41081 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>WALL PLANS (2 OF 5)</b>	SHEET NO.  <b>BW-13</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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LEGEND: ① Indicates Entrance ID Number

Note: See Sheets BW-5 Thru BW-7 For Entry Type Details

REVISIONS				SAC Consulting, Inc. 615 N.W. 27TH AVENUE, SUITE 402 MIAMI, FL 33126 305-265-2557 K.T. LIN, P.E. P.E. LIC. 41081 WWW.SACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			WALL PLANS (3 OF 5)	SHEET NO. BW-14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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ctm001

11/07/2013

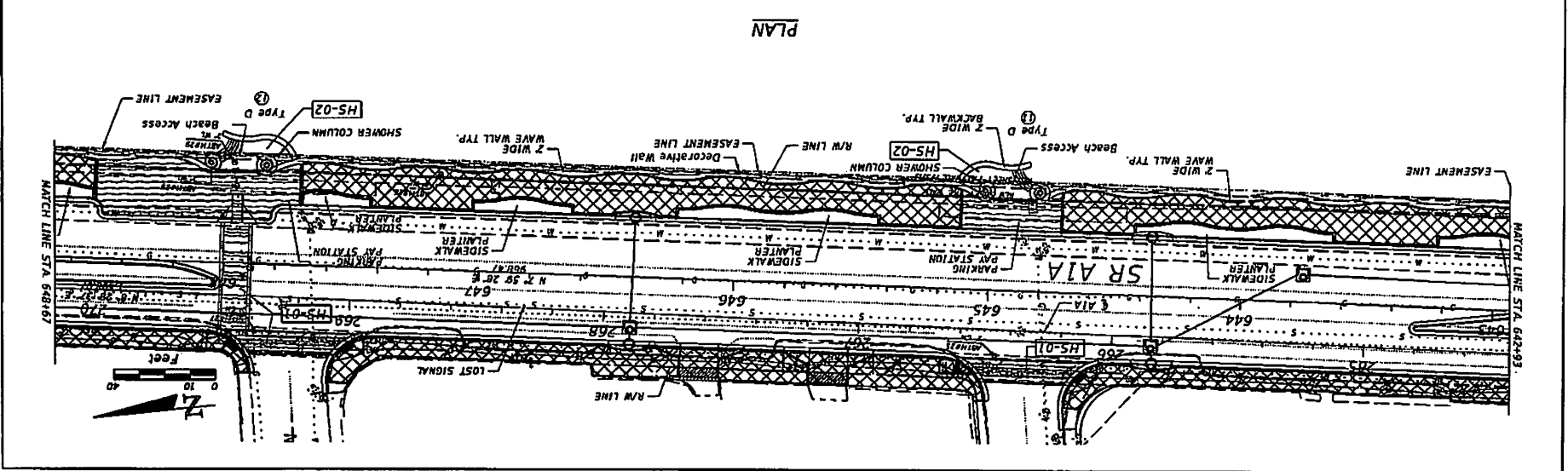
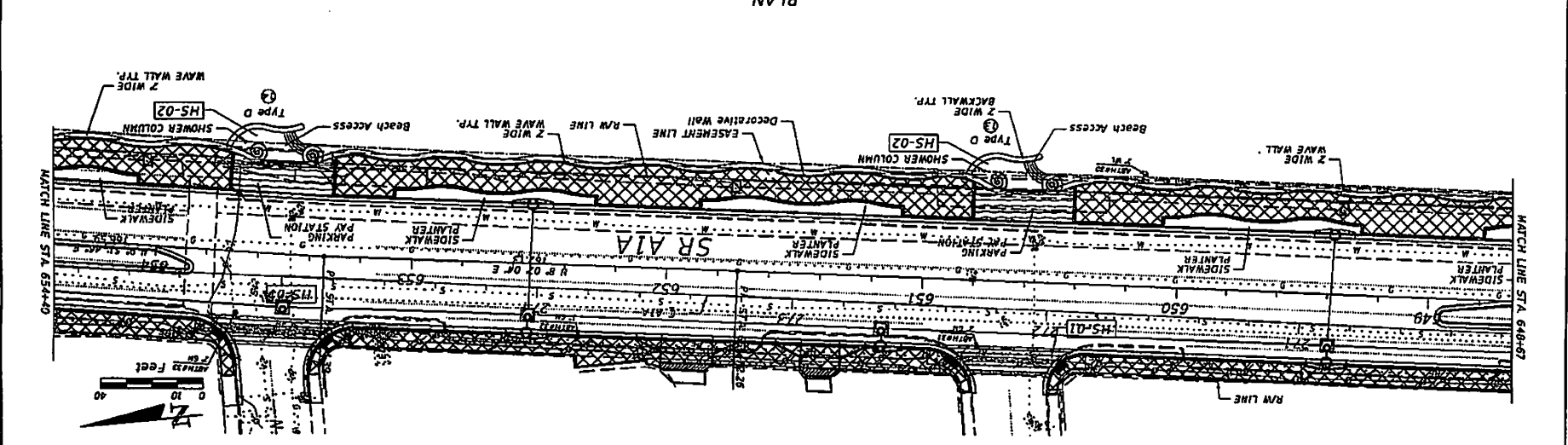
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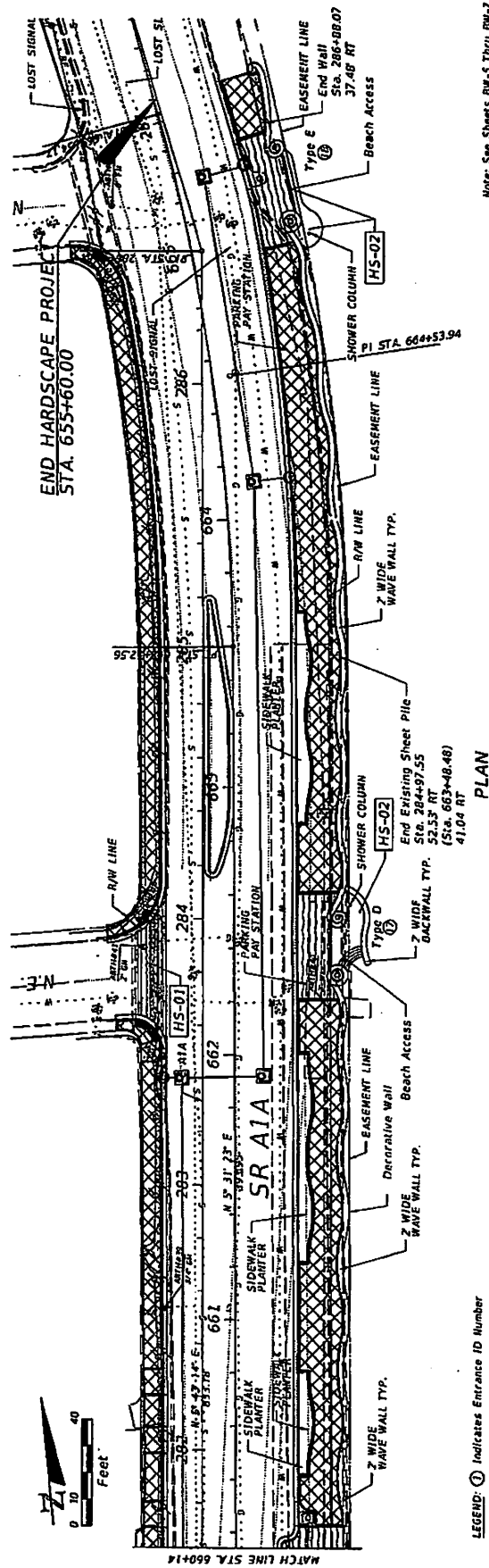
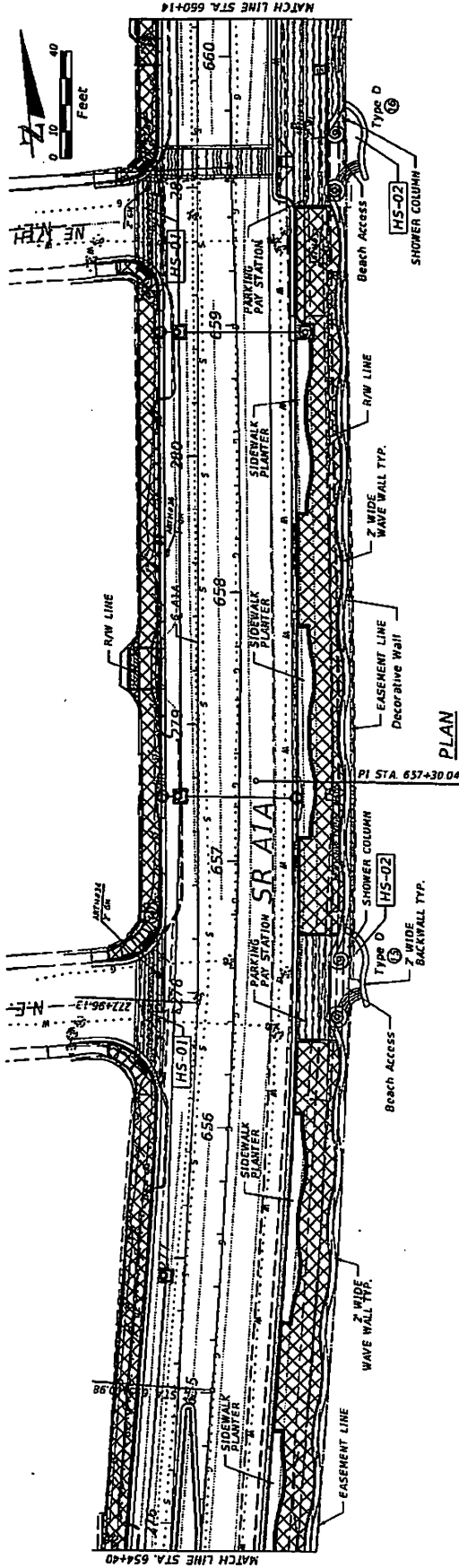
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LEGEND: ① Indicates Entrance ID Number

NOTE: See Sheets BW-5 thru BW-7 For Entry Type Details







**LEGEND: ① Indicates Entrance ID Number**

**Note: See Sheets BW-5 Thru BW-7  
For Entry Type Details**

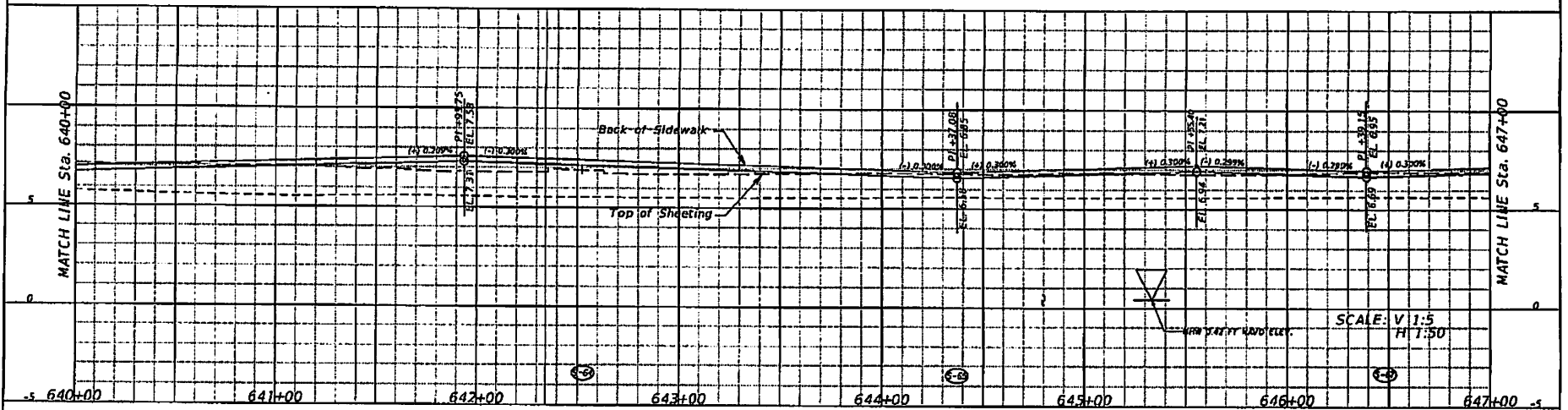
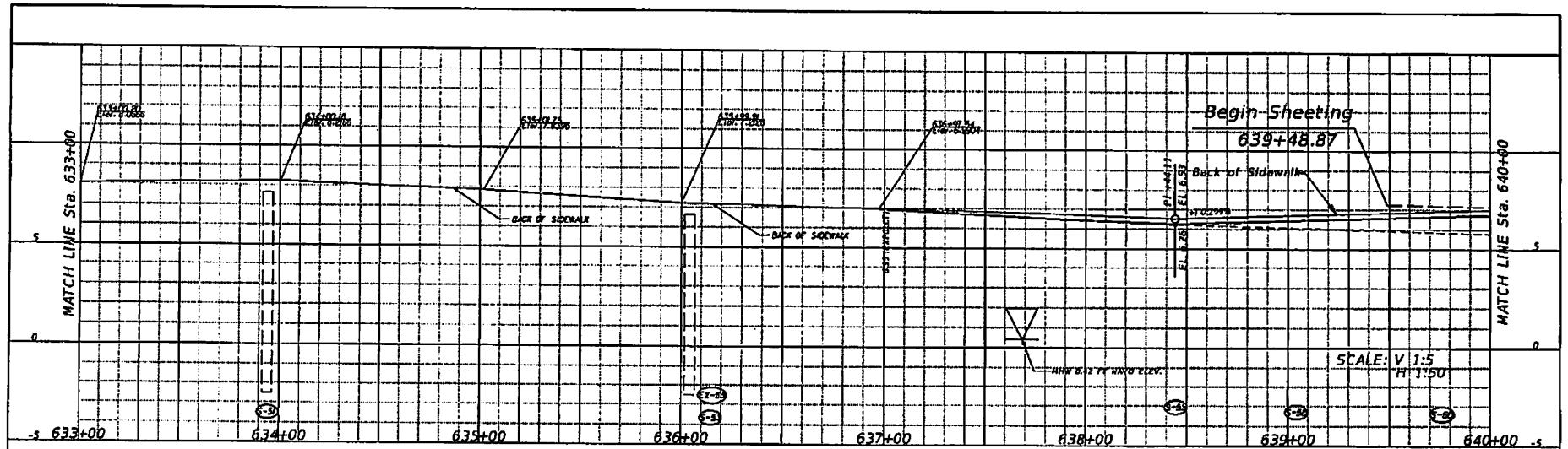
610 COMMERCIAL, INC. 5141 N. W. 11TH AVENUE, SUITE 402 MIAMI, FL. 33142 305-262-2837 M.T. LAM, P.E. P.E. LIC. #1081		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY A1A BROWARD 433688-4-52-01		SHEET NO.	BW-16
WALL PLANS (5 OF 5)					
REVISIONS					
DATE	DESCRIPTION	DATE	DESCRIPTION		

Station	offset	Back of Sidewalk Elev.	Top of Wall Elev.	Top of Footing Elev.
609+30.80	38.88	5.80	8.30	3.13
609+50.00	37.24	5.80	8.30	3.13
610+00.00	39.88	6.14	8.64	3.47
610+50.00	43.41	6.26	8.76	3.59
611+00.00	48.94	6.38	8.88	3.71
611+50.00	50.43	6.52	9.02	3.85
612+00.00	53.85	6.67	9.17	4.00
612+50.00	54.22	6.49	8.89	3.82
613+00.00	53.61	6.30	8.60	3.63
613+50.00	53.24	6.21	8.71	3.54
614+00.00	53.62	6.12	8.62	3.45
614+50.00	52.95	6.11	8.61	3.44
615+00.00	52.08	6.10	8.60	3.43
615+50.00	51.18	6.08	8.58	3.39
616+00.00	50.30	6.01	8.51	3.34
616+50.00	49.41	6.02	8.52	3.35
617+00.00	48.52	6.03	8.53	3.36
617+50.00	47.64	6.18	8.68	3.49
618+00.00	46.76	6.20	8.79	3.62
618+50.00	45.47	6.48	9.08	3.81
619+00.00	44.04	6.66	9.16	3.89
619+50.00	42.81	6.72	9.22	4.05
620+00.00	39.44	6.70	9.29	4.12
620+50.00	40.17	6.87	9.37	4.21
621+00.00	40.17	6.86	9.46	4.29
621+50.00	40.19	6.98	9.49	4.32
622+00.00	40.18	7.02	9.52	4.35
622+50.00	40.18	7.12	9.62	4.46
623+00.00	38.71	7.23	9.73	4.56
623+50.00	33.18	7.38	9.88	4.71
624+00.00	33.18	7.53	10.03	4.87
624+50.00	33.18	7.57	10.07	4.90
625+00.00	33.18	7.61	10.11	4.94
625+50.00	33.18	7.82	10.12	4.98
626+00.00	33.19	7.64	10.14	4.97
626+50.00	32.69	7.70	10.20	5.03
627+00.00	33.19	7.76	10.26	5.08
627+50.00	33.19	7.84	10.34	5.17
628+00.00	40.18	7.92	10.42	5.25
628+50.00	40.21	7.97	10.47	5.30
629+00.00	40.22	8.02	10.52	5.35
629+50.00	40.20	7.94	10.44	5.27
630+00.00	42.16	7.85	10.35	5.18
630+50.00	40.18	7.98	10.48	5.32
631+00.00	40.17	8.13	10.63	5.46
631+50.00	40.17	8.01	10.51	5.34
632+00.00	40.18	7.89	10.39	5.22
632+50.00	38.61	7.98	10.48	5.31
633+00.00	40.16	8.07	10.57	5.40
633+50.00	40.16	8.14	10.64	5.48
634+00.00	40.17	8.22	10.72	5.56
634+50.00	40.17	8.03	10.53	5.36
635+00.00	40.18	7.84	10.34	5.17
635+50.00	40.03	7.53	10.03	4.86
636+00.00	40.17	7.21	9.71	4.55
636+50.00	40.20	7.10	9.60	4.43
637+00.00	40.22	6.99	9.49	4.32
637+50.00	40.24	6.83	9.33	4.18
638+00.00	40.50	6.67	9.17	4.00
638+50.00	42.37	6.55	9.05	3.88
639+00.00	47.88	6.78	9.29	4.12
639+50.00	47.63	6.85	9.35	4.18
640+00.00	51.25	7.00	9.50	4.35

Station	offset	Back of Sidewalk Elev.	Top of Wall Elev.	Top of Footing Elev.
640+50.00	51.37	7.15	9.65	4.60
641+00.00	46.23	7.30	9.80	4.95
641+50.00	45.51	7.45	9.95	5.10
642+00.00	41.61	7.50	10.00	5.15
642+50.00	40.02	7.41	9.91	5.07
643+00.00	41.60	7.29	9.79	4.92
643+50.00	41.16	7.11	9.61	4.77
644+00.00	39.72	6.98	9.48	4.62
644+50.00	39.95	6.89	9.39	4.55
645+00.00	42.71	7.10	9.60	4.78
645+50.00	39.97	7.19	9.69	4.85
646+00.00	41.58	7.07	9.57	4.73
646+50.00	41.24	6.96	9.46	4.64
647+00.00	39.91	7.14	9.64	4.79
647+50.00	39.93	7.29	9.79	4.94
648+00.00	41.24	7.50	10.00	5.16
648+50.00	39.69	7.42	9.92	5.08
649+00.00	41.31	7.27	9.77	4.93
649+50.00	41.56	7.20	9.70	4.85
650+00.00	40.00	7.40	9.90	5.05
650+50.00	39.88	7.58	10.06	5.22
651+00.00	40.38	7.63	10.13	5.29
651+50.00	39.60	7.47	9.97	5.13
652+00.00	41.08	7.31	9.81	4.97
652+50.00	41.61	7.15	9.65	4.81
653+00.00	40.19	7.32	9.82	4.98
653+50.00	40.45	7.44	9.94	5.10
654+00.00	40.13	7.72	10.22	5.38
654+50.00	39.41	7.92	10.42	5.58
655+00.00	40.81	7.93	10.43	5.59
655+50.00	41.66	7.70	10.20	5.43
656+00.00	39.83	7.63	10.13	5.29
656+50.00	40.90	7.54	10.04	5.20
657+00.00	39.48	7.33	9.83	4.99
657+50.00	37.54	7.34	9.84	4.99
658+00.00	38.39	7.49	9.99	5.14
658+50.00	38.97	7.64	10.14	5.29
659+00.00	38.42	7.79	10.29	5.44
659+50.00	38.77	7.91	10.41	5.56
660+00.00	39.85	8.09	10.69	5.74
660+50.00	40.44	8.24	10.74	5.89
661+00.00	41.64	8.21	10.71	5.86
661+50.00	40.83	8.01	10.51	5.66
662+00.00	39.83	7.81	10.31	5.46
662+50.00	40.14	7.57	10.07	5.22
663+00.00	41.38	7.41	9.91	5.06
663+50.00	41.52	7.21	9.71	4.84
664+00.00	39.59	7.01	9.51	4.64
664+50.00	40.41	7.06	9.56	4.69
664+50.00	40.46	7.18	9.68	4.81
665+00.00	38.61	7.21	9.71	4.84

Work this Sheet With Sheets BW-12 to BW-16

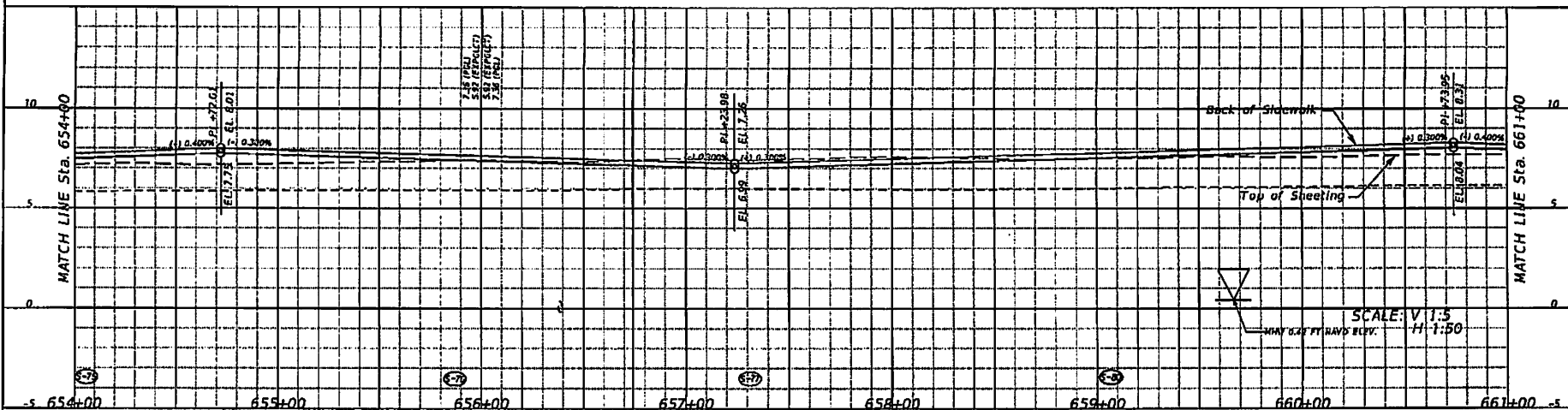
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID																					
A1A	BROWARD	433688-4-52-01																					



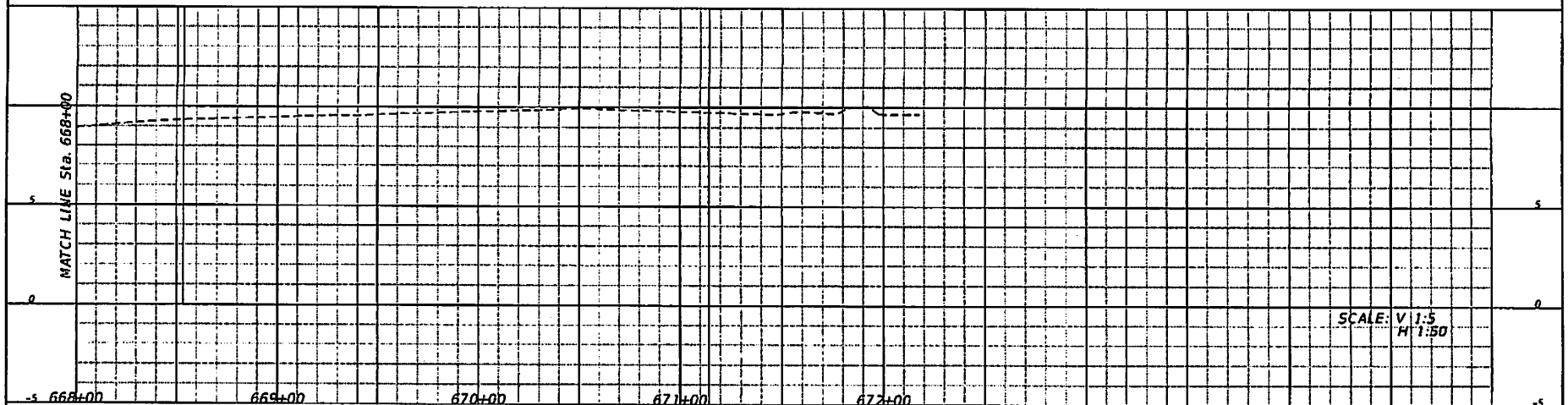
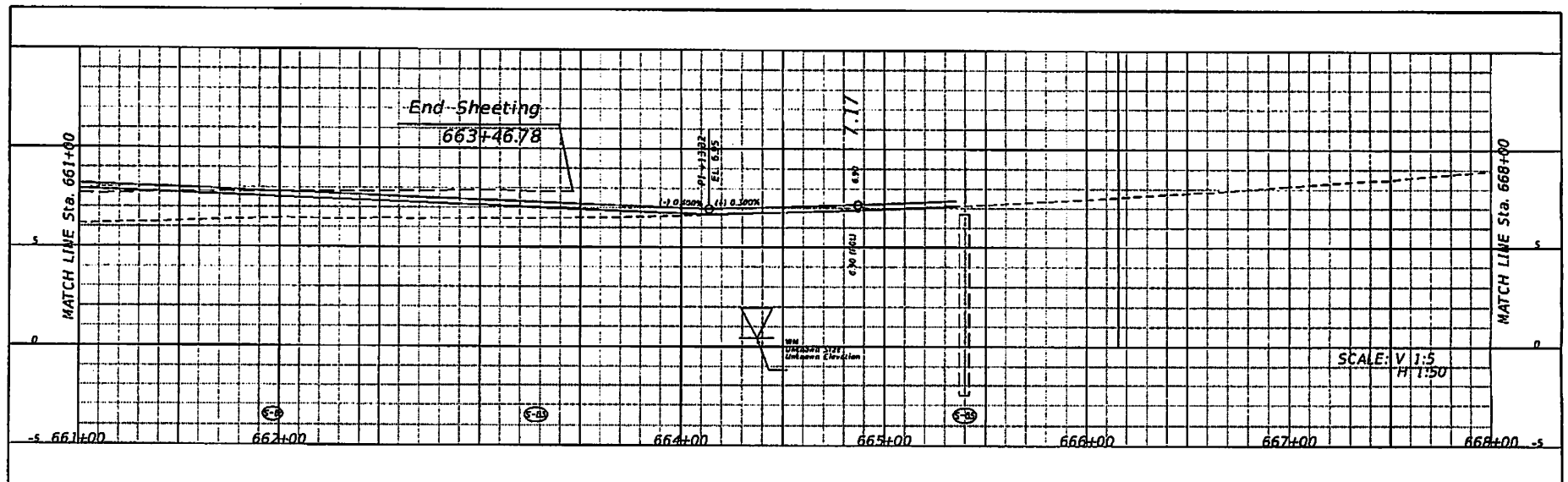
NOTE: AS-BUILT ELEVATIONS PROVIDED BY FLORIDA DEPARTMENT OF TRANSPORTATION

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

FDOT DISTRICT IV SCOTT PETERSON, P.E. 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	<b>AS-BUILT SHEET PILE PROFILE</b> (1 OF 3)	SHEET NO. BW-18
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
A1A	BROWARD	433688-4-52-01		



REVISONS				FOOT DISTRICT IV SCOTT PETERSON, P.E. 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			AS-BUILT SHEET PILE PROFILE (2 OF 3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		BW-19
					AJA	BROWARD	433608-4-52-01		



NOTE: AS-BUILT ELEVATIONS PROVIDED BY FLORIDA DEPARTMENT OF TRANSPORTATION

REVISIONS				FOOT DISTRICT IV SCOTT PETERSON, P.E. 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			AS-BUILT SHEET PILE PROFILE (3 OF 3)	SHEET NO.  BW-20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					AIA	BROWARD	433688-4-52-01		

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11/21/2013

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ENTRANCE TYPE A AND B

NO. REQUIRED = 6

Concrete Back Wall

5	W00	5	0	20	1			5	0				--- Numbers of Bar reflect 5 Panels
4	W07	1	8	30	1			1	8				
5	W08	7	5	30	11			5	9	0	10	0 10	"B" varies from 5'-5" to 6'-0"
5	W09	4	8	30	1			4	10				
4	W10	3	4	35	1			3	4				
<b>Step &amp; Slab</b>													
5	S01	81	2	2	1			81	2				Cut to fit
3	S02	10	0	11	1			10	0				Cut to fit Pile Cap Length
3	S03	13	5	5	1			13	5				
<b>Shower Column</b>													
5	H01	8	10	4	1			8	10				
3	H02	2	11	10	24			0	9	0	4		
5	H03	2	6	4	10			1	8	0	10		
4	H04	3	6	10	1			3	6				

Concrete Shell Wrap

4	S04	6	6	88	1			6	6				--- Numbers of Bar reflect 2 Shell Wraps
4	S02	27	4	22	24			2	2	4	0		Cut to fit height of walls
4	S03	2	6	68	10			1	8	0	10		Bend to the shape of curve upon
4	S04	0	11	44	1			8	11				(Footing to Wall connection)
4	S05	11	3	12	4	4		3	9	1	6		Cut to fit Foundation
4	S06	3	11	82	10			2	2	1	9		Cut "C" to fit top Cap width
4	S07	1	9	82	1			1	9				Cut to fit top Cap width

6x6-W2.8xW2.9 WWM -- 483 lbs

6x6-W4xW6 WWM -- 116 lbs

9-Gauge Galvanized Steel Wire - 20 lbs

ENTRANCE TYPE C

NO. REQUIRED = 1

Concrete Back Wall

5	W06	5	0	16	1			5	0				--- Numbers of Bar reflect 4 Panels
4	W07	1	8	24	1			1	8				
5	W08	7	5	24	11			5	9	0	10	0 10	"B" varies from 5'-5" to 6'-0"
5	W09	4	8	24	1			4	10				
4	W10	3	4	28	1			3	4				
<b>Step &amp; Slab</b>													
5	B11	42	8	22	1			42	8				Cut to fit Slab
5	B12	21	4	44	1			21	4				Cut to fit Slab
<b>Shower Column</b>													
5	H01	8	10	4	1			8	10				
3	H02	2	11	10	24			0	9	0	4		
5	H03	2	6	4	10			1	8	0	10		
4	H04	3	6	10	1			3	6				
<b>Concrete Column Wrap</b>													
5	C01	1	8	56	1			1	8				--- Numbers of Bar reflect 2 Column Wraps
4	W01	28	0	6	24			2	2	3	9		Bend to the shape of curve upon
5	W02	2	6	250	10			1	8	0	10		
4	W02	8	10	44	1			8	10				Cut to fit Foundation

6x6-W2.9xW2.9 WWM -- 351 lbs

6x6-W4xW6 WWM -- 566 lbs

9-Gauge Galvanized Steel Wire - 20 lbs

REVISED				EAC Consulting, Inc. 015 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33120 305-265-2557 K.T. LIN, P.E. P.E. LIC. 41081 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			REINFORCING BAR LIST  (1 OF 2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		BW-21
					A1A	BROWARD	433608-4-S2-01		



# **CERTIFICATION**

I certify this to be a true and correct copy of the record of the City of Fort Lauderdale, Florida.

WITNESSETH my hand and official seal of the City of Fort Lauderdale, Florida, this the 3 day of February 20 11  
SS City Clerk

## **RESOLUTION NO. 14-14**

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE A MEMORANDUM OF AGREEMENT AND A SIXTH AMENDMENT TO INCLUSIVE LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT, BOTH FOR IMPROVEMENTS ON STATE ROAD A1A WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION.

WHEREAS, the City of Fort Lauderdale ("City") and the Florida Department of Transportation ("FDOT") wish to execute a Memorandum of Agreement to maintain specific elements constructed under Project Number 433688-4-52-01 to include decorative light fixtures or poles, a decorative sea wall, LED string lights, and a fiber-optic system servicing the decorative sea wall installed along A1A, which improvements were installed during the reconstruction at State Road A1A related to Tropical Storm Sandy; and

WHEREAS, by virtue of City's Resolution No. 07-252, the City and FDOT entered into an Inclusive Landscape Maintenance Memorandum of Agreement for landscape improvements on State Road A1A; and

WHEREAS, FDOT requires execution of, and City desires to enter into Amendment No. 6 to the Inclusive Landscape Maintenance Memorandum of Agreement; and

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

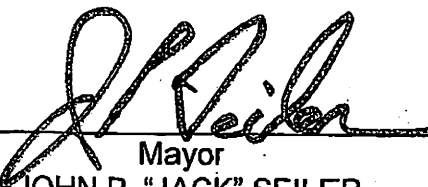
**SECTION 1.** That the proper City officials are hereby authorized to execute a Memorandum of Agreement for the maintenance of decorative wall improvements and decorative lighting improvements on State Road A1A and Amendment No. 6 to the Inclusive Landscape Maintenance Memorandum of Agreement for the maintenance of landscape improvements on State Road A1A, both with the Florida State Department of Transportation.



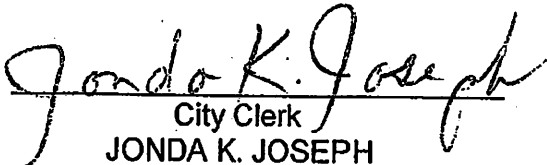
SECTION 2. That the office of the City Attorney shall review and approve as to form all documents prior to their execution by City officials.

SECTION 3. That this Resolution shall be in full force and effect upon final passage.

ADOPTED this the 22nd day of January, 2014.

  
Mayor  
JOHN P. "JACK" SEILER

ATTEST:

  
City Clerk  
JONDA K. JOSEPH

L:\COMM 2014\Resolutions\January 22\14-14.doc

CITY CLERK

2014 FEB 25 PM 6:04

SECTION No.: 860500  
FM No.: 433688-4-52-01  
COUNTY: Broward  
S.R. No.: A1A

**DISTRICT FOUR (4) AMENDMENT NUMBER SIX (6)  
TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AND  
CITY OF FORT LAUDERDALE INCLUSIVE LANDSCAPE MAINTENANCE  
MEMORANDUM OF AGREEMENT**

This is Amendment Number Six (6) to the Agreement dated **January 31, 2008**, made and entered into this 5<sup>th</sup> day of FEBRUARY 2014 by and between the State of Florida Department of Transportation hereinafter called the DEPARTMENT and the **City of Fort Lauderdale**, a municipal subdivision of the State of Florida, hereinafter called the AGENCY.

**WITNESSETH**

WHEREAS, the parties entered into the Inclusive Landscape Maintenance Memorandum of Agreement dated, **January 31, 2008** for the purpose of maintaining the landscape improvements by the AGENCY on various roads including State Road A1A and;

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road A1A in accordance with the above referenced Agreement;

WHEREAS, the parties have agreed to enter into a separate agreement for the decorative wall and decorative lighting;

WHEREAS, the AGENCY by Resolution No. 14-14 dated Jan 22, 2014 attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorized its officers to do so;

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

1. Pursuant to page 8, paragraph 14 of the Inclusive Landscape Maintenance Memorandum of Agreement for State Road A1A dated **January 31, 2008** the DEPARTMENT has decided to construct additional landscape improvements and/or to modify an improvement located as indicated in **Exhibit "A"**, State Road A1A from N.E. 9th Street (M.P. 3.248) to just north of N.E. 18th Street (M.P. 4.322) in accordance with the plans attached as **Exhibit "B"**.
2. The AGENCY shall agree to maintain additional landscape improvements in the Agreement described above, including specialty surfacing (concrete pavers and stamped colored asphalt [also known as patterned pavement]) according to

**Exhibit "C", the Maintenance Plan and Exhibit "D" Patterned Pavement Maintenance.**

3. The DEPARTMENT agrees to enter into a contract to have installed said landscape improvements for an amount as indicated in Exhibit "E" not to exceed **\$984,767.60**.
4. The maintenance of the decorative wall and lighting shall be maintained under a separate agreement between the DEPARTMENT and the AGENCY.

Except as modified by this amendment, all terms and conditions of the original Agreement and all amendments there to shall remain in full force and effect.

**Exhibits**

**Exhibit A - Landscape Improvements Limits and Maintenance Boundaries and Location Map**

**Exhibit B - Landscape Improvement Plans**

**Exhibit C - Maintenance Plan For Landscape Improvements**

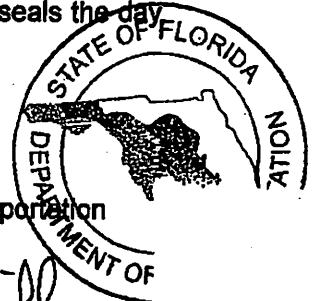
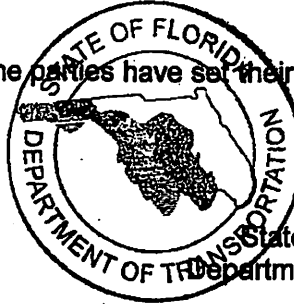
**Exhibit D - Patterned Pavement Maintenance**

**Exhibit E - Approximate Cost For Landscape Improvements**

In Witness whereof, the parties hereto have executed with this Amendment effective the 5<sup>th</sup> day February year written and approved.

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

City of Fort Lauderdale  
a municipal corporation



By: \_\_\_\_\_  
Chairperson/Mayor/Manager

By: [Signature]  
Director of Transportation Development

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

Attest: [Signature] (SEAL)  
Executive Secretary

Legal Review

Legal Review

Attorney

Date

[Signature] 2/4/2014  
Office of the General Counsel Date

**DISTRICT FOUR (4) AMENDMENT NUMBER SIX (6) TO THE STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION AND CITY OF FORT LAUDERDALE INCLUSIVE  
LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT**

**CITY OF FORT LAUDERDALE**


CITY OF FORT LAUDERDALE, a municipal  
corporation of the State of Florida:

By   
JOHN P. "JACK" SEILER, Mayor

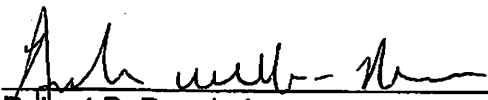
By   
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

  
JONDA K. JOSEPH, City Clerk

Legal Review

  
~~Robert B. Dunkel~~  
Assistant City Attorney

<b>SECTION No.:</b>	<b>860500</b>
<b>FM No.:</b>	<b>433688-4-52-01</b>
<b>COUNTY:</b>	<b>Broward</b>
<b>S.R. No.:</b>	<b>A1A</b>

## **EXHIBIT A**

### **LANDSCAPE IMPROVEMENTS LIMITS AND MAINTENANCE BOUNDARIES AND LOCATION MAP**

#### **I. PROJECT LOCATION:**

State Road A1A from N.E. 14th Court (M.P. 3.334) to just north of N.E. 18th Street (M.P. 4.322)

#### **II. INCLUSIVE LIMITS OF LANDSCAPE IMPROVEMENTS MAINTENANCE FOR THIS PROJECT:**

##### **State Road A1A:**

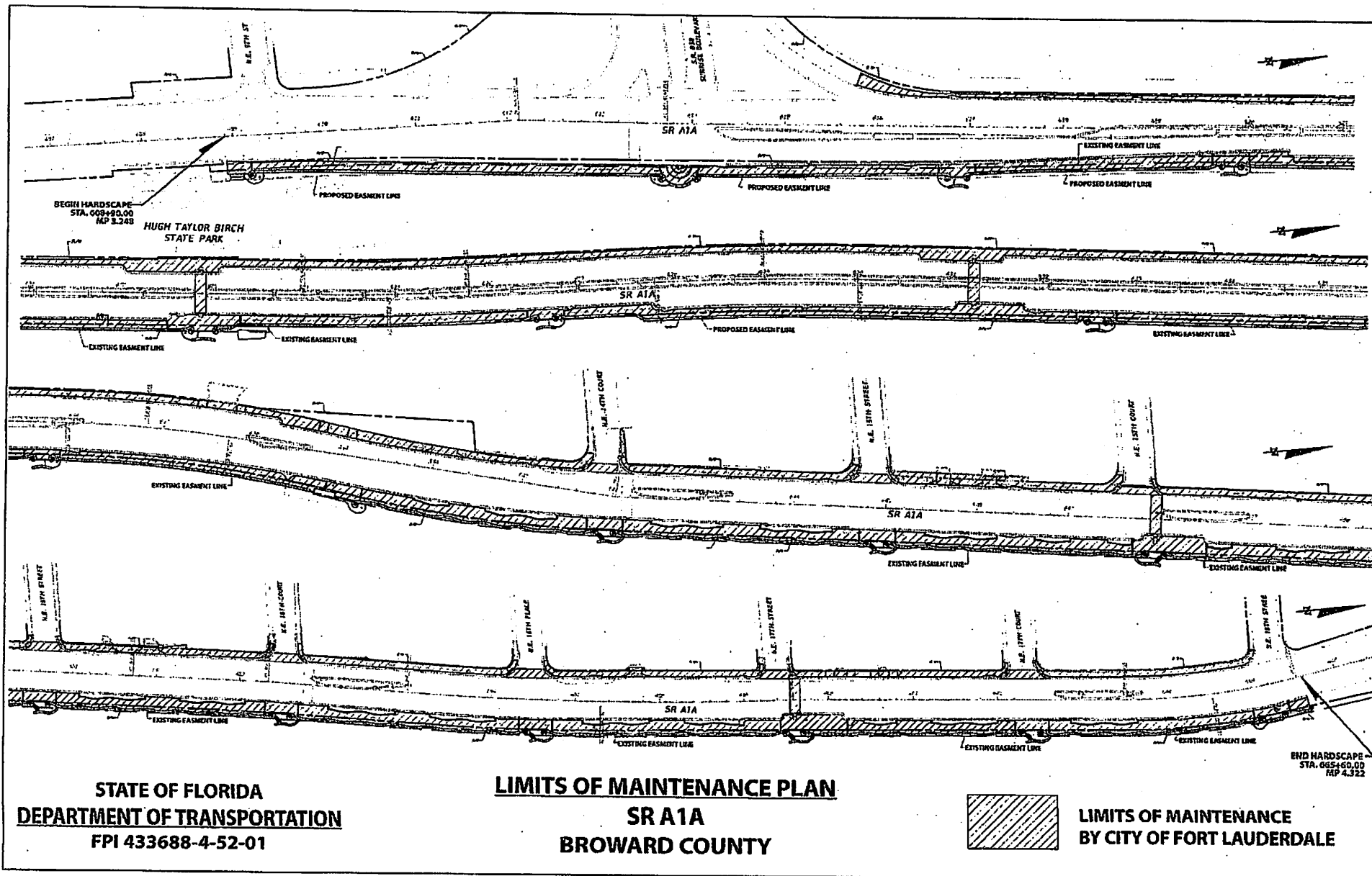
Project Located In North Fort Lauderdale Beach Area (Section 86050000):  
(M.P. 2.039) (south of Poinsettia Street) to (M.P. 6.410) (Flamingo Drive)

#### **III. MAINTENANCE LIMITS:**

State Road A1A from N.E. 9th Street (M.P. 3.248) to just north of N.E. 18th Street (M.P. 4.322)

**\*All limits of the original agreement and amendments shall apply**

*Please See Attached*



**SECTION No.:** 860500  
**FM No.:** 433688-4-52-01  
**COUNTY:** Broward  
**S.R. No.:** A1A

**EXHIBIT B**

**LANDSCAPE IMPROVEMENT PLANS**

The DEPARTMENT agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: **Keith and Schnars, PA**  
**Bruce L. Reed, RLA 0001479**

**Dated: December 4, 2013**

**Sheets: LD 1-32**



STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 433688-4-52-01

BROWARD COUNTY (86050)

STATE ROAD NO. A1A

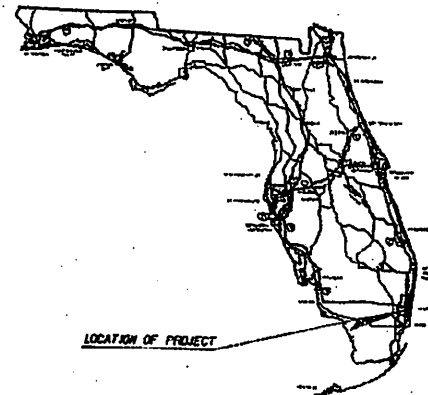
LANDSCAPE PLANS

A DETAILED INDEX APPEARS ON THE  
KEY SHEET OF EACH COMPONENT

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	TABULATION OF QUANTITIES
LD-3	HARDSCAPE NOTES
LD-4 TO LD-6	HARDSCAPE DETAILS
LD-7	SHEET LAYOUT
LD-8 TO LD-21	LANDSCAPE PLAN
LD-22	IRRIGATION SHEET LAYOUT
LD-23 TO LD-32	IRRIGATION PLAN

CONSTRUCTION CONTRACT NO.



LANDSCAPE SHOP DRAWINGS  
TO BE SUBMITTED TO:

BRUCE K. REED, R.L.A.  
KEITH AND SCHINARS, P.A.  
6500 NORTH ANDREWS AVE  
FT. LAUDERDALE, FL 33309  
(954) 776-1595

PLANS PREPARED BY:

**KEITH and SCHINARS, P.A.**  
6500 N. Andrews Ave.  
Ft. Lauderdale, FL 33309-2132

CERTIFICATE OF AUTHORIZATION NO. 1337

VENDOR IDENTIFICATION NO. 59-406-347  
CONTRACT NO. C-582

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

BIDDABILITY SUBMITTAL  
NOVEMBER 2013

KEY SHEET REVISIONS	
DATE	DESCRIPTION

LANDSCAPE PLANS  
LANDSCAPE ARCHITECT  
OF RECORD:

R.L.A. NO. 10042

FISCAL YEAR	SHEET NO.
14	LD-1

FDOT PROJECT MANAGER: SCOTT PETERSON, PE

NOT FOR THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6105-1.01, F.A.C.

		TABULATION OF QUANTITIES																							
PAY ITEM NO.	PAY ITEM DESCRIPTION	SHEET NUMBERS																							
		10-8		10-9		10-10		10-11		10-12		10-13		10-14		10-15		10-16		10-17		10-18		10-19	
		UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	UNIT	QTY	UNIT
526-1	PATTERNED/TEXTURED PAVEMENT, ASPHALT	SY	0																						
526-1-1	PAVERS, ARCHITECTURAL, RANDOM	SY	20																						

		IRRIGATION TABULATION OF QUANTITIES																							
PAY ITEM NO.	PAY ITEM DESCRIPTION	SHEET NUMBERS																							
		10-23		10-24		10-25		10-26		10-27		10-28		10-29		10-30		10-31		10-32		THIS SHEET		TOTAL	
		UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	UNIT	QTY	UNIT	UNIT	QTY
580-20	IRRIGATION SYSTEM - 1 INCH WATER METERS	LS	0																						
591-1-1	IRRIGATION SLEEVE 2 IN DIAMETER	LF	0																						
591-1-2	IRRIGATION SLEEVE 4 IN DIAMETER	LF	0																						

# PAY ITEM NOTES:

- 526-1-1 PAVERS, ARCHITECTURAL ROADWAY
- A) INCLUDES CONCRETE HEADER
- B) INCLUDES TESTING
- C) INCLUDES SEALING

REVISIONS				STATE OF FLORIDA				DEPARTMENT OF TRANSPORTATION				TABULATION OF QUANTITIES			
NO.	DATE	BY	DESCRIPTION	PROJECT NO.	COUNTY	PROJECT ID	PROJECT NAME	PROJECT NO.	COUNTY	PROJECT ID	PROJECT NAME	PROJECT NO.	COUNTY	PROJECT ID	PROJECT NAME
1	10/15/15			433688-4-52-01	BROWARD	433688-4-52-01	FRANKLIN PROJECT ID	433688-4-52-01	BROWARD	433688-4-52-01	FRANKLIN PROJECT ID	433688-4-52-01	BROWARD	433688-4-52-01	FRANKLIN PROJECT ID

NOTICE: THE ATTACHED RECORD OF THIS SHEET IS THE ELECTRONIC FILE SAVED AND PRINTED UNDER FILE NAME: 433688-4-52-01

# PAVER NOTES

- 1) CERTIFICATION:  
BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT THE FOLLOWING CERTIFICATION:  
A) CERTIFIED CONCRETE PAVER INSTALLER, BY THE INTERLOCKING CONCRETE PAVING INSTITUTE
- 2) ITENIZED COSTS:  
BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT A UNIT COST BREAKDOWN FOR EACH ITEM OF WORK.
- 3) MATERIALS:  
NEW, UNUSED AND SUBJECT TO INSPECTION AND APPROVAL.  
3-1/8" THICK PAVERS: CONFORMING TO ASTM C 1272, TYPE F, APPLICATION PX, 10,000 PSI MINIMUM AVERAGE COMPRESSIVE STRENGTH, 6% MAXIMUM WATER ABSORPTION.
- 4) SAMPLES:  
BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT FOR REVIEW THE MANUFACTURERS PRODUCT SHEETS AND SAMPLES OF:  
A) PAVERS  
B) POLYMERIC JOINTING SAND  
C) SOLVENT BASED SEALER
- 5) DELIVER AN ADDITIONAL 10 SF OF EACH OF THE SPECIFIED PAVERS IN THE SPECIFIED COLOR NIX TO THE CITY OF FORT LAUDERDALE.
- 6) SUBGRADE DENSITY TESTING:  
BEFORE INSTALLING THE LINEROCK SUBBASE, PERFORM DENSITY TESTS ON THE SUBGRADE AT EACH SEPARATE PAVER INSTALLATION AREA AND SUBMIT TEST RESULTS.
- 7) SUBBASE DENSITY TESTING:  
BEFORE INSTALLING THE SAND BEDDING COURSE, PERFORM DENSITY TESTS ON THE SUBBASE AT EACH SEPARATE PAVER INSTALLATION AREA AND SUBMIT TEST RESULTS.
- 8) LINEROCK BASE COURSE APPROVAL  
BEFORE INSTALLING THE SAND BEDDING COURSE, REQUEST APPROVAL OF THE LINEROCK BASE COURSE.  
SURFACE TOLERANCE REQUIREMENT IS PLUS/MINUS 3/8 INCH OVER A 10 FOOT STRAIGHT EDGE.
- 9) SAND BEDDING COURSE:  
CONFORM TO ASTM C 33, FREE OF ORGANIC MATERIALS, WITH 100 PERCENT PASSING THROUGH A 3/8 INCH SIEVE SIZE AND A MAXIMUM OF 1 PERCENT PASSING A NUMBER 200 SIEVE SIZE. (COMMONLY KNOWN AS MANUFACTURED CONCRETE SAND OR CONCRETE SCREEDINGS). DO NOT USE MASON SAND.
- 10) PAVER LAYOUT APPROVAL AND INSTALLATION:  
FOR EACH SEPARATE PAVER INSTALLATION AREA, REQUEST DESIGN APPROVAL OF THE LAYOUT AND DISTRIBUTION OF THE PAVER COLORS.  
MAXIMUM JOINT LINE TOLERANCE IS 1/2 INCH OVER 50 FEET.

- 11) PAVER COMPACTION:  
VIBRATE PAVERS INTO THE SAND BEDDING COURSE USING A PLATE COMPACTOR WITH A RUBBER BASE CAPABLE OF 5000 POUNDS COMPACTION FORCE.
- 12) POLYMERIC JOINTING SAND:  
APPLY DRY POLYMERIC JOINT SAND OVER DRY PAVERS AND SWEEP INTO THE JOINTS PER MANUFACTURERS INSTRUCTIONS. APPLY WATER TO HARDEN THE POLYMERIC JOINT SAND PER MANUFACTURERS INSTRUCTIONS.
- 13) SEALING:  
BEFORE EACH SEALING COAT, CLEAN PAVERS AND FILL JOINTS.  
APPLY 4 COATS OF SOLVENT-BASED SEALER ALLOWING A MINIMUM OF 48 HOURS BETWEEN COATS.

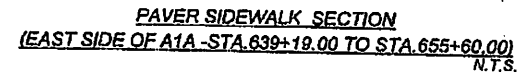
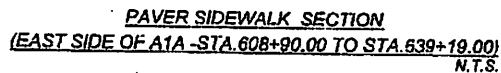
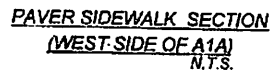
# PATTERNED/TEXTURED PAVEMENT NOTES

- 1) CERTIFICATION:  
THE APPLICATOR SHALL HAVE LEAD PERSONNEL ON THE PROJECT THAT HAVE BEEN TRAINED BY MANUFACTURER WITHIN THE PREVIOUS 12 MONTHS OF STARTING THE PROJECT. AT LEAST ONE OF THESE TRAINED PERSONNEL SHALL BE ON SITE DURING THE APPLICATION. BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT CERTIFICATION TO THE ENGINEER.
- 2) SAMPLES AND MOCKUPS:  
SUBMIT FOR REVIEW THE MANUFACTURERS PRODUCT SHEETS AND SAMPLES.
- 3) EXISTING ASPHALT:  
FILL HOLES OR SINKS IN THE ASPHALT GREATER THAN 3/4 INCH IN DEPTH AND GREATER THAN 1.5 SQUARE FEET IN AREA IN RELATION TO THE SURROUNDING ASPHALT. NOTIFICATION IS REQUIRED OF ASPHALT AREAS THAT DO NOT MEET THE PRE-APPLICATION REQUIREMENTS.
- 4) MATERIAL COMPOSITION:  
A THERMO-SET TWO PART 100 PERCENT EPOXY BINDER AND STONE AGGREGATE SEEDED ONTO THE WET BINDER.
- 5) THERMO-SET BINDER THICKNESS:  
0.50 INCH MINIMUM AVERAGE THICKNESS.
- 6) STONE AGGREGATE:  
0.04 TO 0.12 INCHES NOMINAL SIZE WITH 75 PERCENT BY WEIGHT IN RANGE.
- 7) STONE AGGREGATE COVERAGE:  
1.25 POUNDS PER SQUARE FOOT EMBEDDED INTO BINDER.
- 8) REQUEST CAD DRAWINGS FROM THE LANDSCAPE ARCHITECT FOR THE MANUFACTURE OF THE STENCIL PATTERN.

DATE		BY		REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.	
								KEITH and SCHNARS, P.A. 2000 N. ANDERSON AVE. #11 FORT LAUDERDALE, FL 33304-7101 (954) 778-1416			HARDSCAPE NOTES	
								ROAD NO.			COUNTY	
								A1A			BROWARD	
											FINANCIAL PROJECT ID	
											433688-4-52-01	
											LD-3	

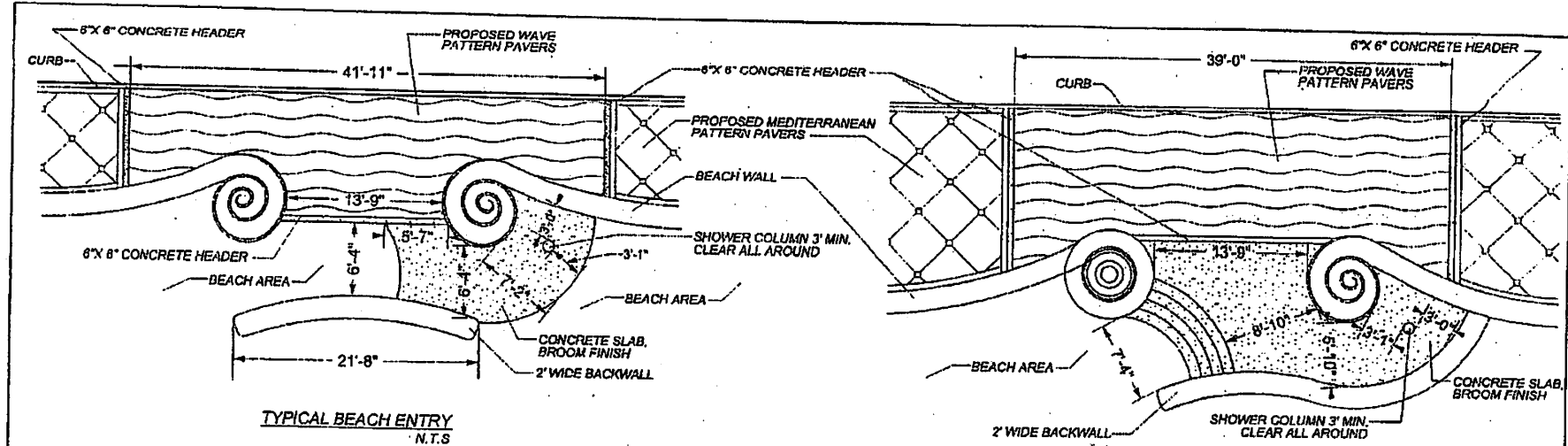
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6100.400, F.A.C.





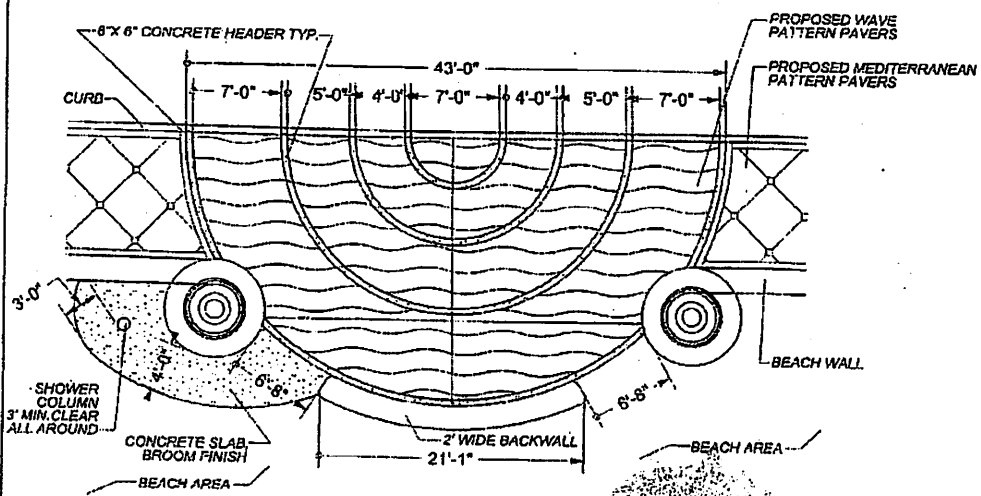
REVISIONS: 1. DATE: 10/1/85 BY: [Signature]										STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION KEITH and SCHNARS, P.A. 2500 N. Andrews Ave., Ft. Lauderdale, FL 33309-2132 (305) 778-1216										SHEET NO.																			
DATE: 10/1/85 BY: [Signature]										ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433682-4-52-01										HARDSCAPE DETAILS										LD-5									

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 600-2.0-10, F.A.C.



**TYPICAL BEACH ENTRY**  
N.T.S.

**TYPICAL ENTRY ALONG SHEET PILING**  
N.T.S.



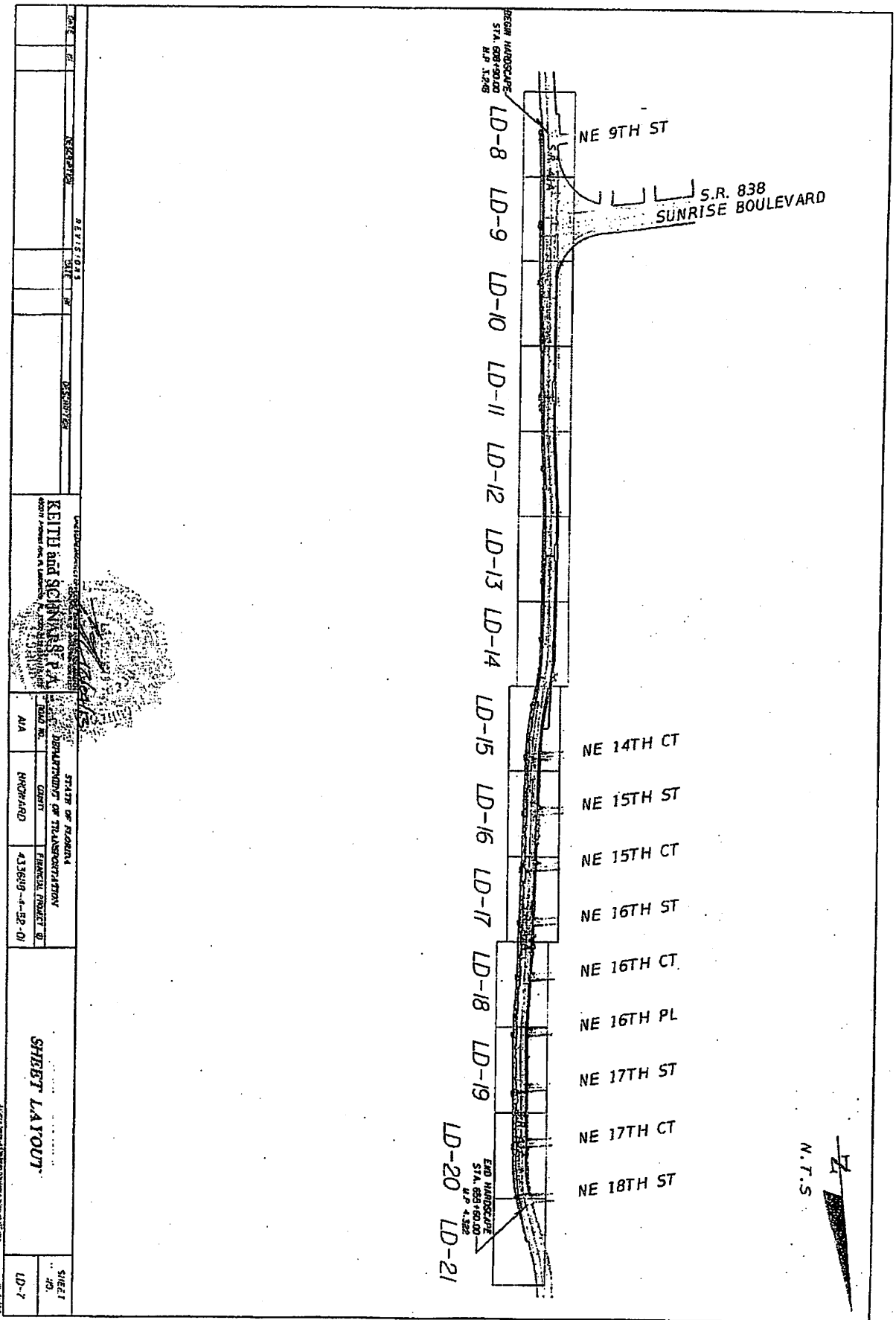
**BEACH ENTRY AT SUNRISE BLVD**  
N.T.S.

DATE		REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	BY	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						A1A	BROWARD	433628-4-52-01	LD-6

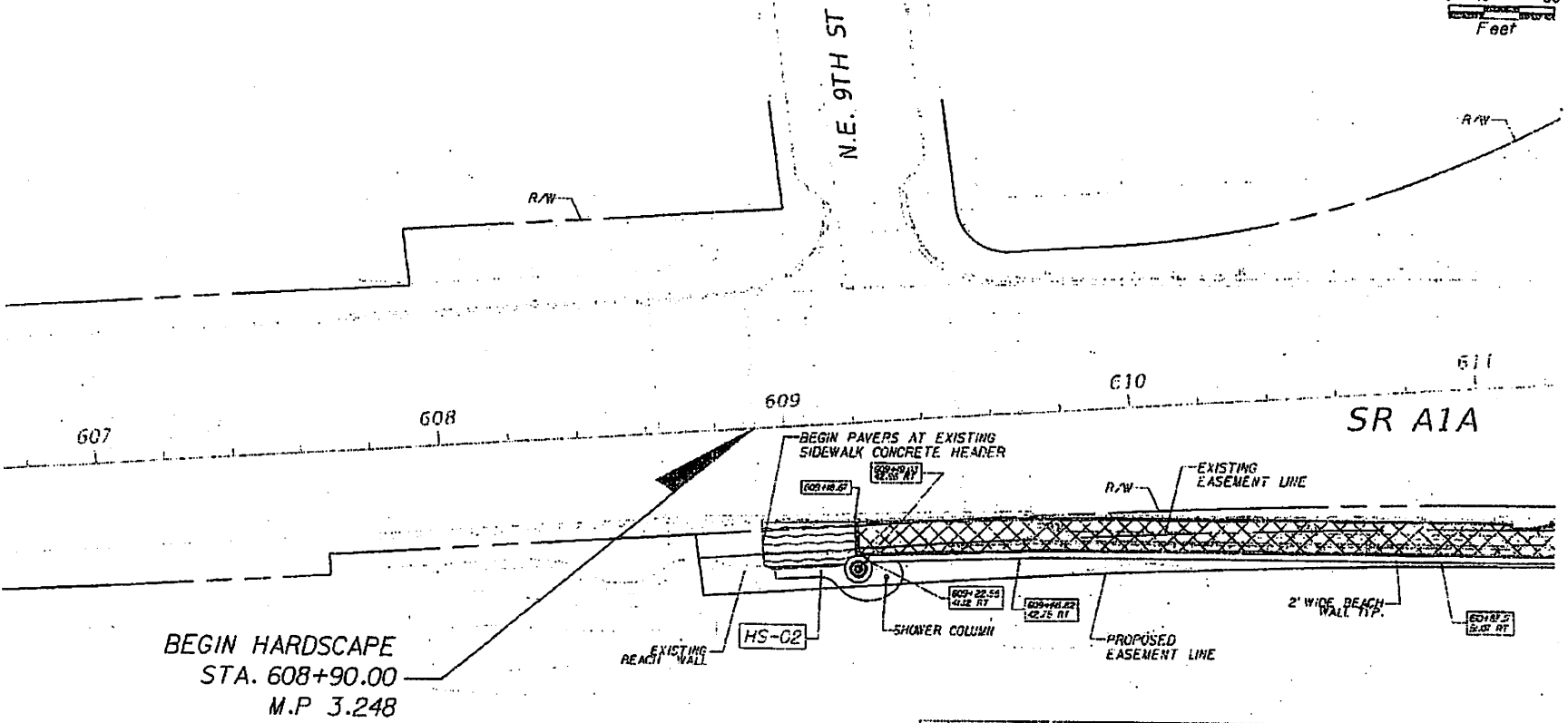
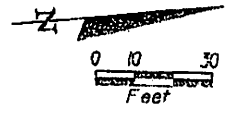
KEITH and SCHNARS, P.A.  
2000 N. W. 11th Ave., Suite 200, Fort Lauderdale, FL 33304-4111 (954) 571-1111

**HARDSCAPE DETAILS**

ATTENTION: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED WITHIN FILE 2000-4-51, P.A.C.



NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 1.600-10(d), F.A.C.



	CONCRETE PAVERS, WAVE PATTERN
	CONCRETE PAVERS, MEDITERRANEAN PATTERN
HS-01	PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
HS-02	CONCRETE SLAB, BROOM FINISH

REVISIONS				
NO.	DATE	BY	DESCRIPTION	REVISION

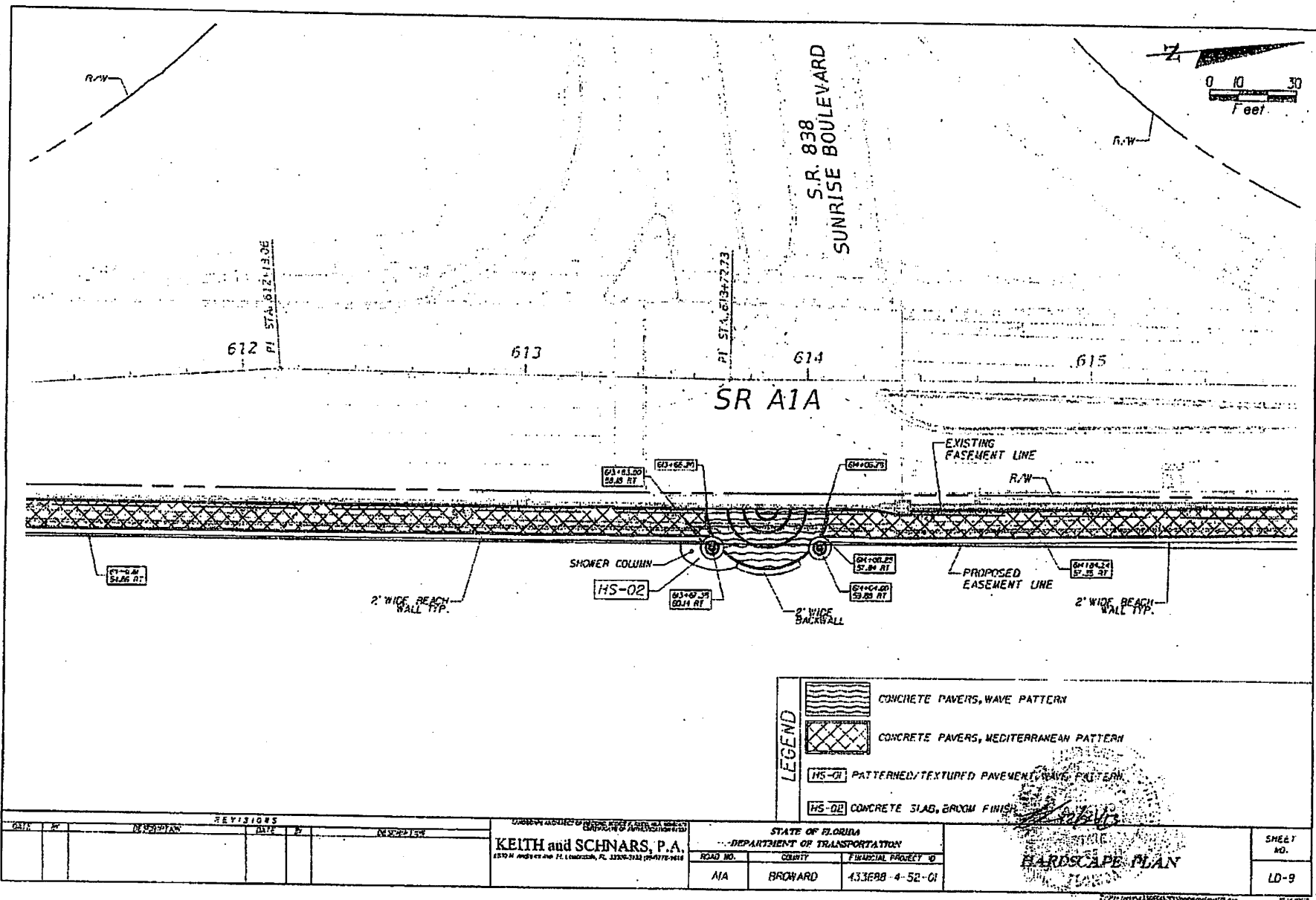
KEITH and SCHNARS, P.A.  
 1700 N. ANDERSON AVE., FL. LANDSCAPE ARCHITECTS, P.A.  
 33000-1131 (813) 979-1010

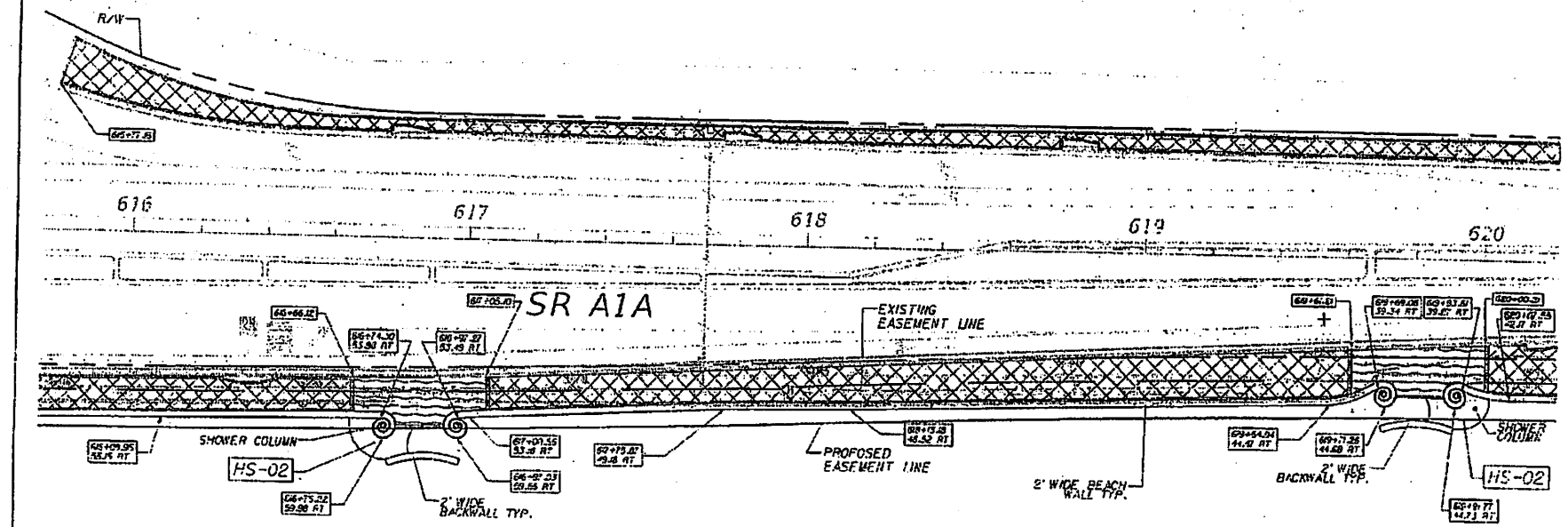
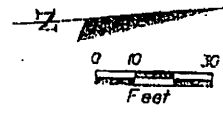
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 BROWARD COUNTY  
 PROJECT NO. 43368B-4-52-01

**HARDSCAPE PLAN**  
 SHEET NO. LD-8

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEaled UNDER FILE 600-43368-4-52-01.







**LEGEND**

- CONCRETE PAVERS, WAVE PATTERN
- CONCRETE PAVERS, MEDITERRANEAN PATTERN
- PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
- CONCRETE SLAB, BROOK FINISH

REVISIONS		DATE		DESCRIPTION	
NO.	BY	DATE	BY	DESCRIPTION	

LICENSED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
**KEITH and SCHNARS, P.A.**  
 6822 N. Andalusia Ave. Ft. Lauderdale, FL 33309-3427 (954) 716-1816

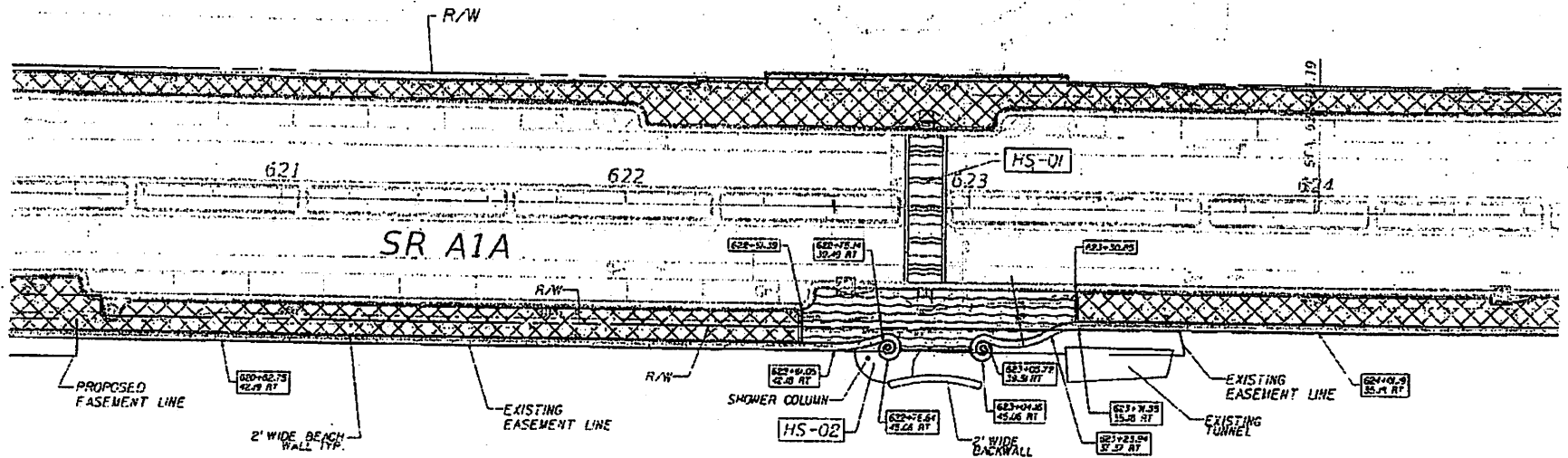
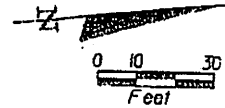
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	433538-4-52-01

**HARDSCAPE PLAN**

SHEET  
 NO.  
**LD-10**

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER FILE NO. 2008-00017-A.C.

# HUGH TAYLOR BIRCH STATE PARK



LEGEND		CONCRETE PAVERS, WAVE PATTERN
		CONCRETE PAVERS, MEDITERRANEAN PATTERN
		HS-01 PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
		HS-02 CONCRETE SLAB, BROWN FINISH

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK.

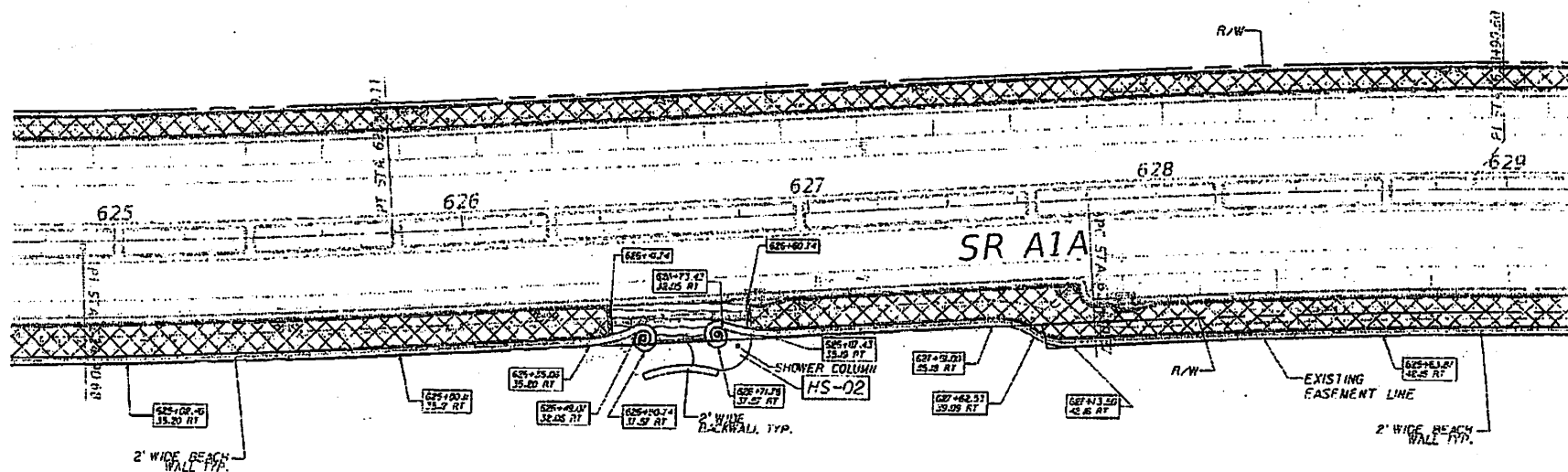
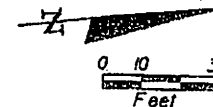
KEITH and SCHNARS, P.A.  
1600 N. Andrews Ave., Ft. Lauderdale, FL 33304-4722 (954) 771-1519

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	133688-4-52-01

**HARDSCAPE PLAN**

SHEET AC.
LD-II

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEALED UNDER FILE NO. 2024-0047 P.A.C.



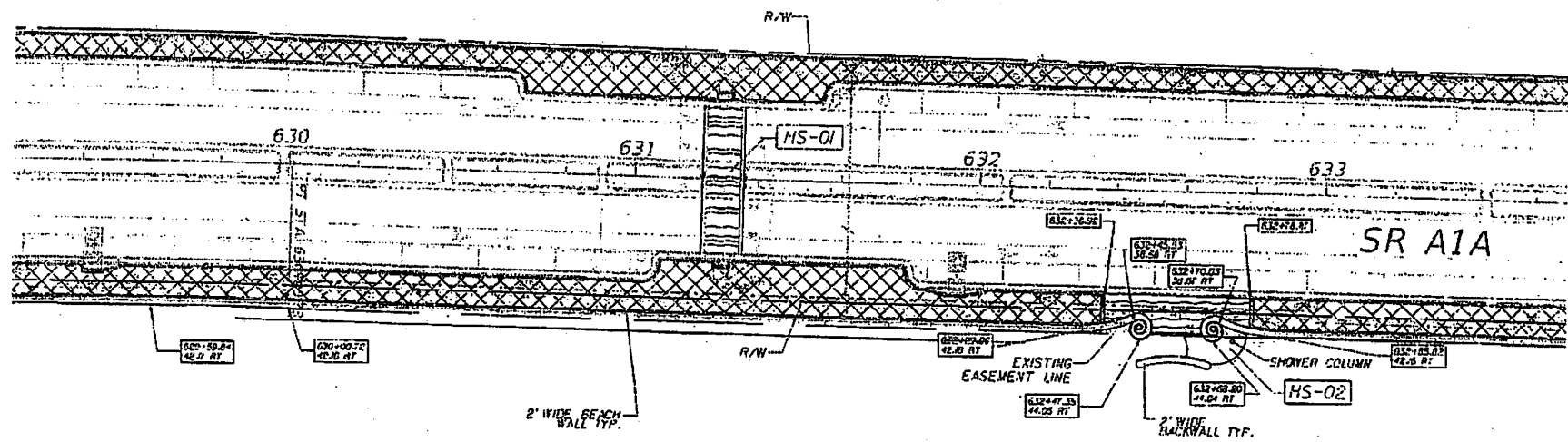
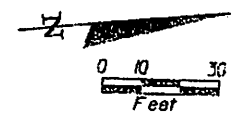
LEGEND		CONCRETE PAVERS, WAVE PATTERN
		CONCRETE PAVERS, MEDITERRANEAN PATTERN
		PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
		CONCRETE SLAB, BROOM FINISH

REVISIONS				
NO.	DATE	BY	DESCRIPTION	REVISIONS

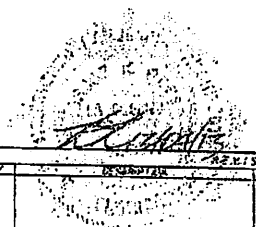
**KEITH SCHNARS, P.E.**  
 12500  
 12500

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			HARDSCAPE PLAN	SHEET NO. LD-12
ROAD NO.	COUNTY	FINANCIAL PROJECT NO.		
NA	BROWARD	433588-1-52-01		

NOTICE: THE DIGITAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEaled UNDER FILE NO. 433588-1-52-01.



- LEGEND**
- CONCRETE PAVERS, WAVE PATTERN
  - CONCRETE PAVERS, MEDITERRANEAN PATTERN
  - HS-01 PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
  - HS-02 CONCRETE SLAB, BROCH FINISH

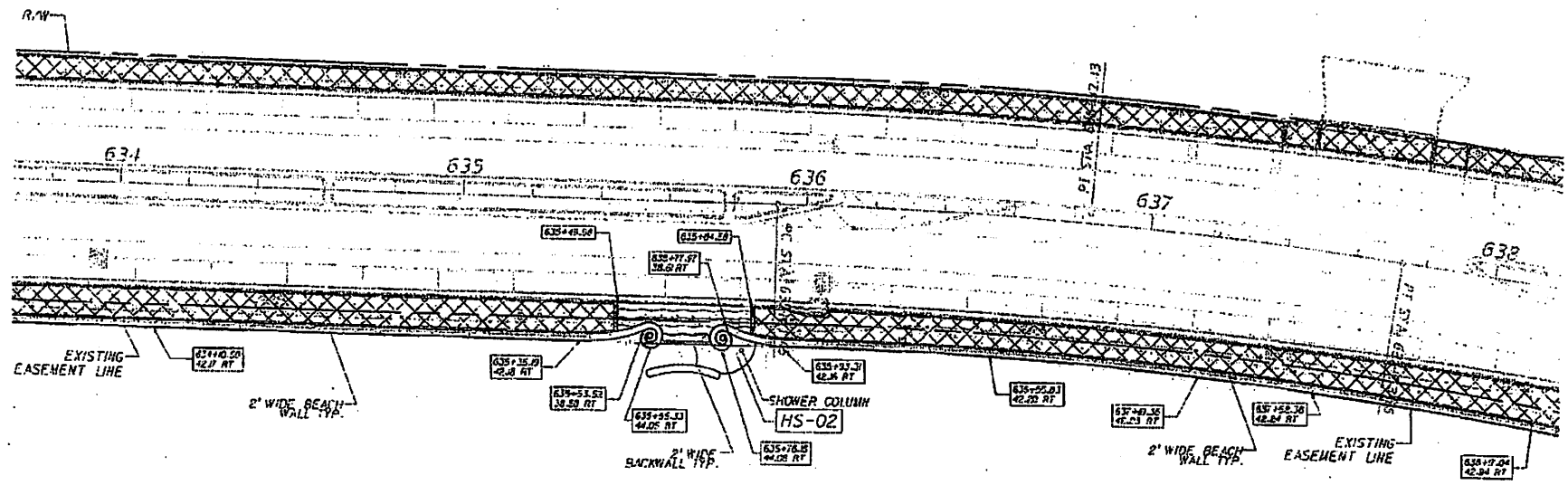
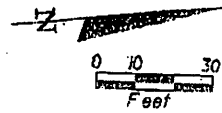


REVISIONS				DESCRIPTION			
DATE	BY	DESCRIPTION	DATE	OF	DESCRIPTION	DATE	OF

KEITH and SCHNARS, P.A. <small>6700 N. ANDERSON AVE., TALLAHASSEE, FL 32310-1122 (904) 833-1111</small>				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		<b>HARDSCAPE PLAN</b>		SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID						
NA	BRADY	433625-1-52-01						LD-13

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 59B-01, F.A.C.



**LEGEND**

	CONCRETE PAVERS, WAVE PATTERN
	CONCRETE PAVERS, MEDITERRANEAN PATTERN
HS-01	PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
HS-02	CONCRETE SLAB, BROOM FINISH

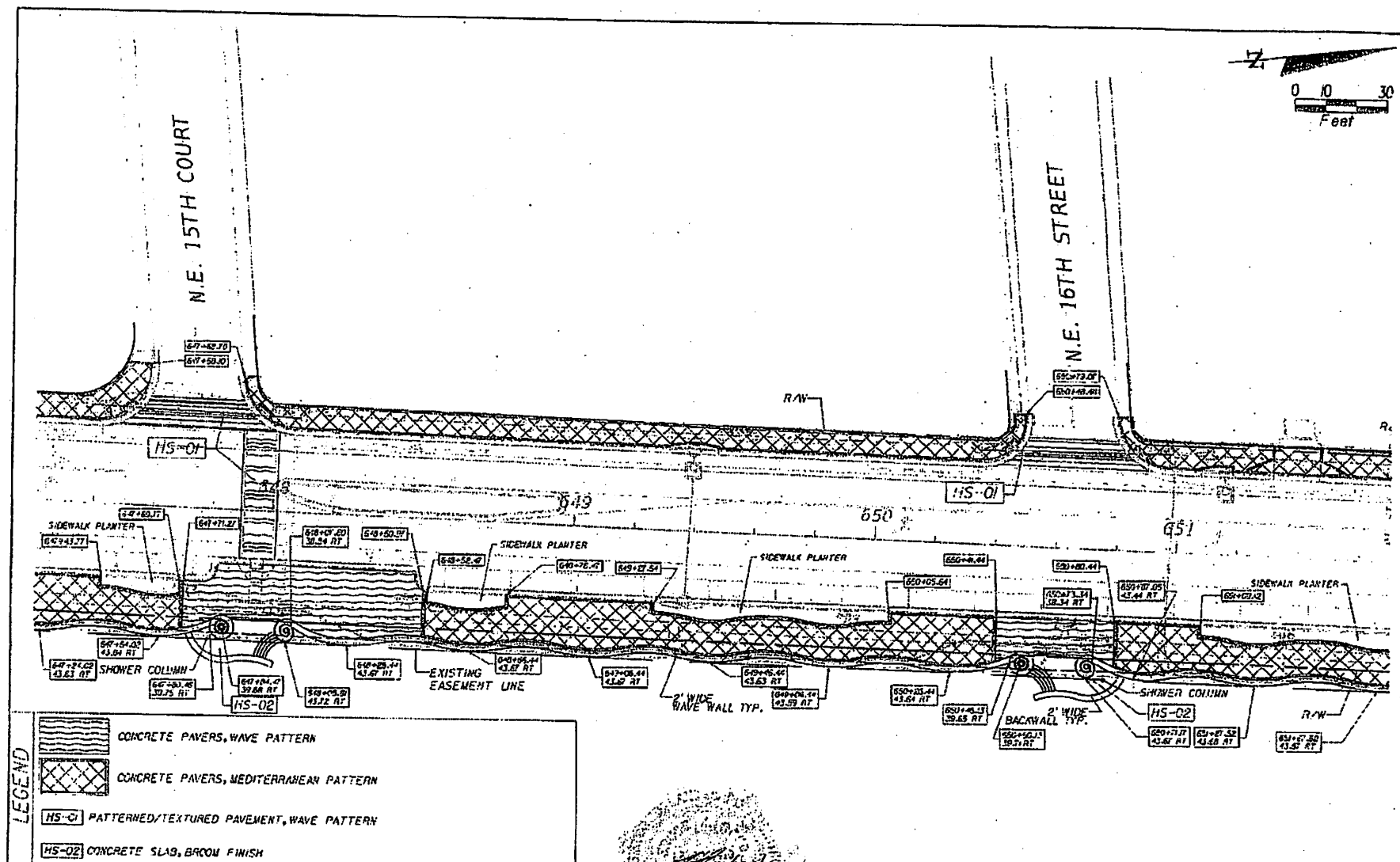
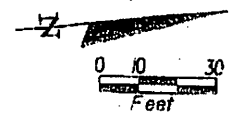
DATE BY DESCRIPTION 11/07/10 JLS REVISIONS:		DESCRIPTION HARDSCAPE PLAN		UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES (F'-IN"). <b>KEITH and SCHNARS, P.A.</b> 620 N. FIVE MILE AVE. SUITE 100, FORT LAUDERDALE, FL 33309-1111 (954) 774-1111		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID A1A BROWARD 43368B-4-52-01		<b>HARDSCAPE PLAN</b> SHEET NO. LD-14	
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NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHEET AND SEALED UNDER FILE 880-40017-1.









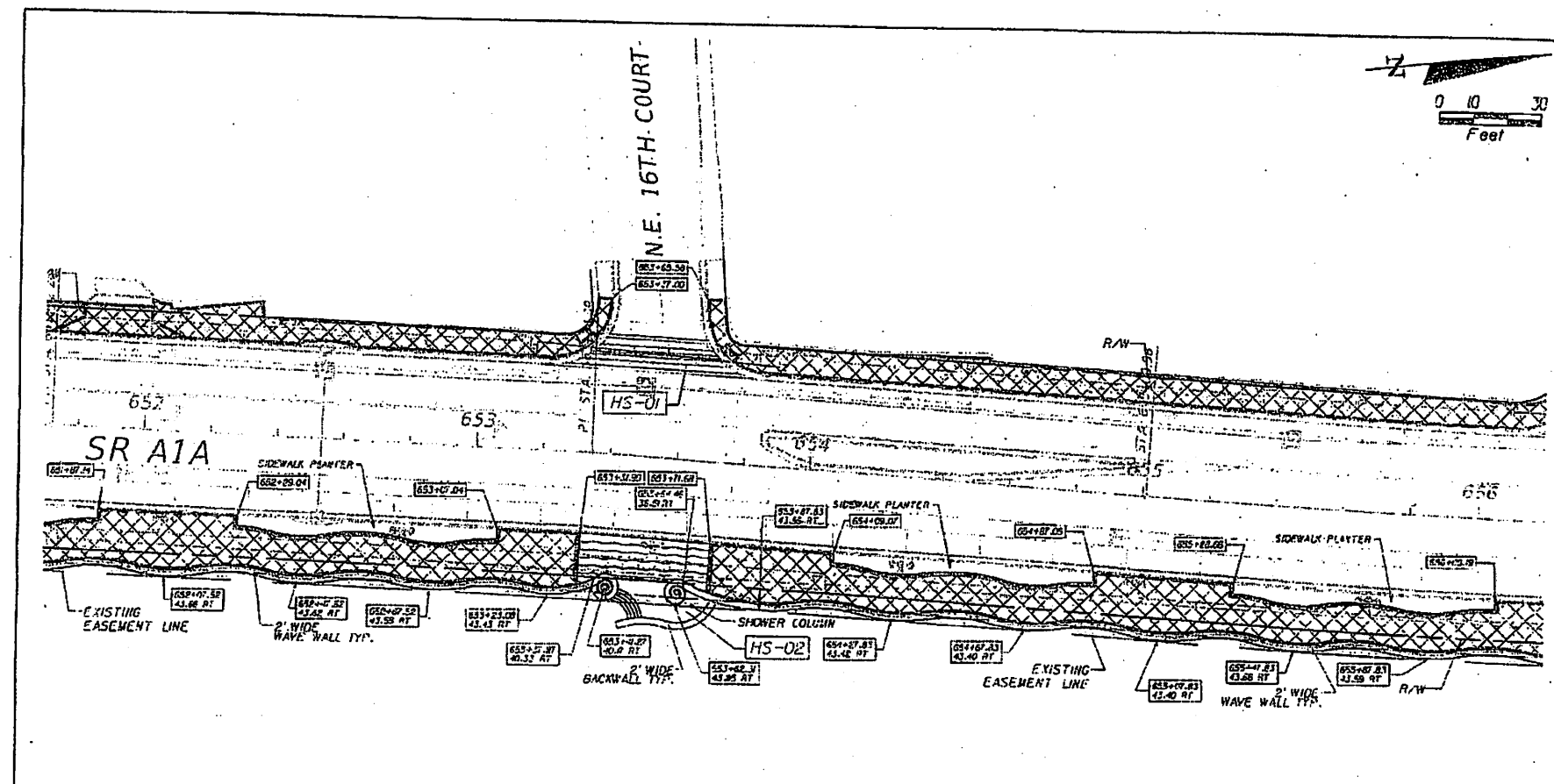
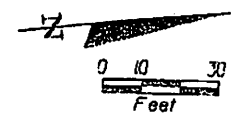
**LEGEND**

	CONCRETE PAVERS, WAVE PATTERN
	CONCRETE PAVERS, MEDITERRANEAN PATTERN
	HS-01 PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
	HS-02 CONCRETE SLAB, BRICK FINISH

REVISIONS				DATE		BY		DESCRIPTION	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

<b>KEITH and SCHNARS, P.A.</b> <small>PROFESSIONAL ARCHITECTS, P.A. 1000 N. W. 10th Ave. Suite 1000 Fort Lauderdale, FL 33304-4400</small>			<b>STATE OF FLORIDA</b> <b>DEPARTMENT OF TRANSPORTATION</b> <small>DESIGN DIVISION</small>			<b>HARDSCAPE PLAN</b>	<b>SHEET NO.</b>  <b>LD-7</b>
<b>PROJECT NO.</b> <b>AIA</b>	<b>COUNTY</b> <b>BROWARD</b>	<b>FINANCIAL PROJECT ID</b> <b>433606-4-52-01</b>					

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEaled UNDER FILE 433606-4-52-01, P.A.C.



**LEGEND**

- CONCRETE PAVERS, WAVE PATTERN
- CONCRETE PAVERS, MEDITERRANEAN PATTERN
- PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
- CONCRETE SLAB, BROOK FINISH

REVISIONS										DATE										DESCRIPTION										STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION										SHEET 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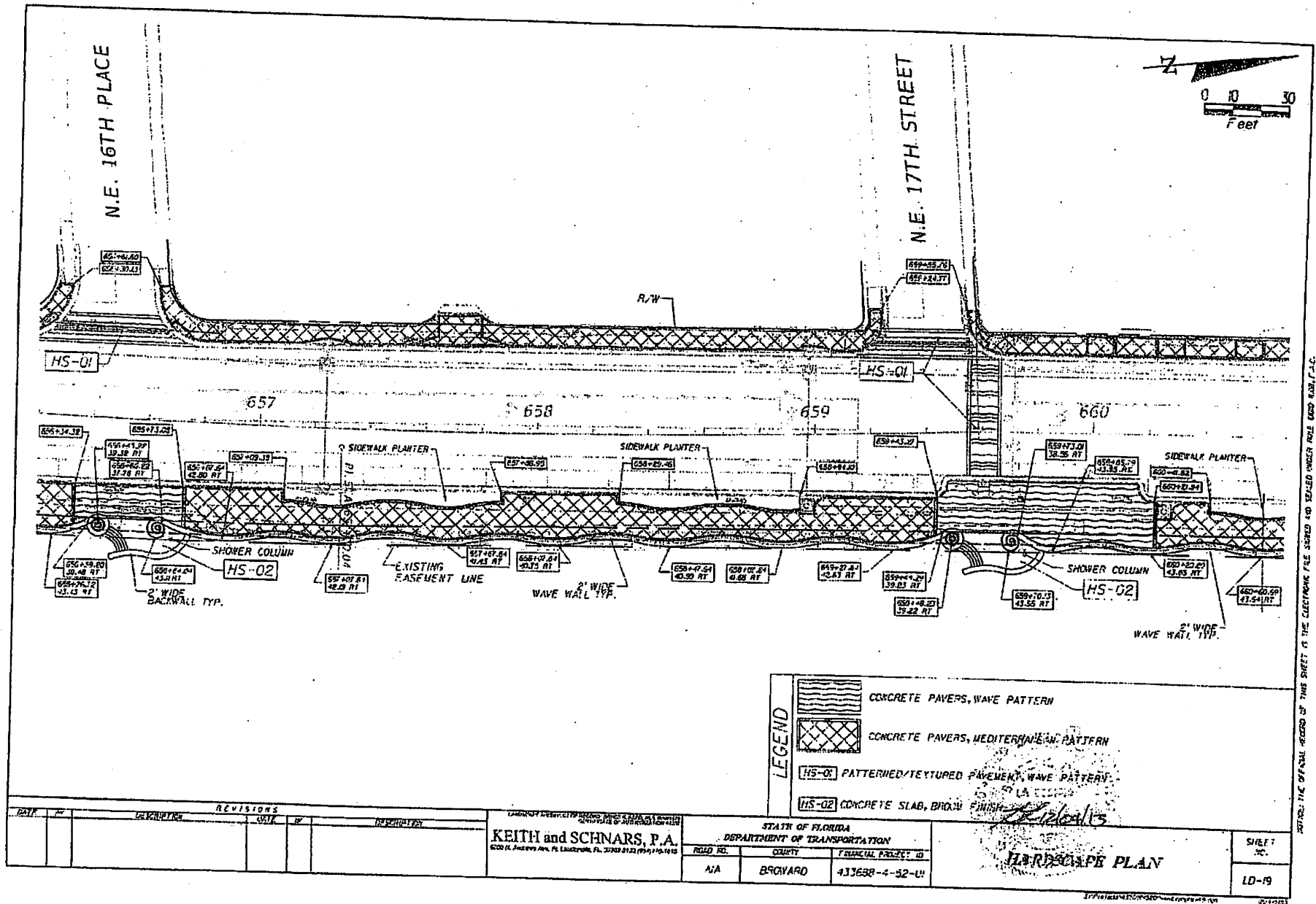
**KEITH and SCHNARS, P.A.**  
 10000 Aventura Ave. #2 (Gardenside), Ft. Lauderdale, FL 33309-3421  
 (954) 366-1111

**HARDSCAPE PLAN**

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 260.04, F.L.C.

N.E. 16TH PLACE

N.E. 17TH STREET



**LEGEND**

- CONCRETE PAVERS, WAVE PATTERN
- CONCRETE PAVERS, MEDITERRANEAN PATTERN
- PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
- CONCRETE SLAB, BROWN FINISH

**REVISIONS**

DATE	BY	DESCRIPTION

**KEITH and SCHNARS, P.A.**  
6020 N. Andrews Ave., Ft. Lauderdale, FL 33309-2122 (954) 510-1010

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

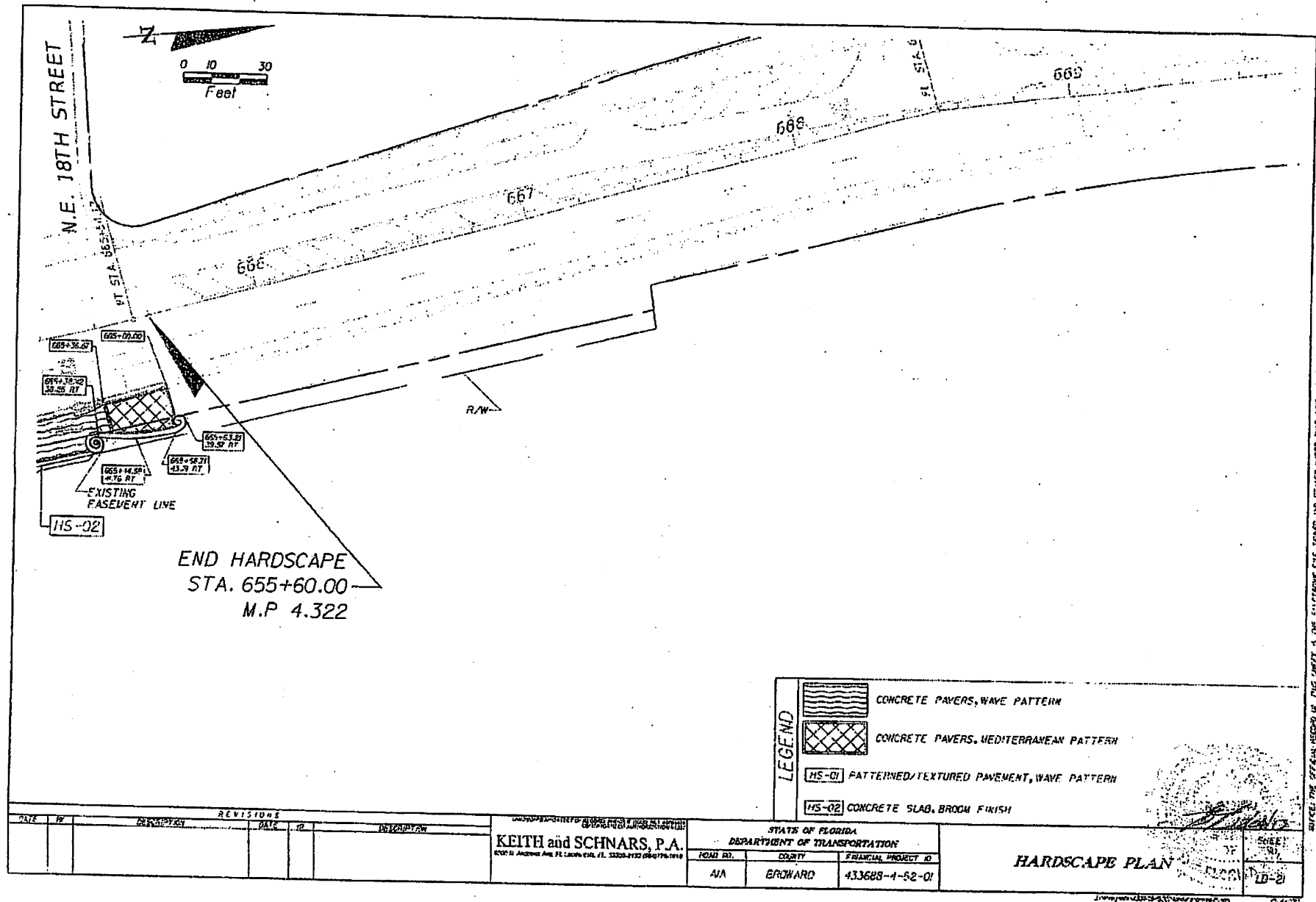
ROAD NO.	COUNTY	PROJECT NO.
A/A	BROWARD	43368-4-52-L1

**LANDSCAPE PLAN**

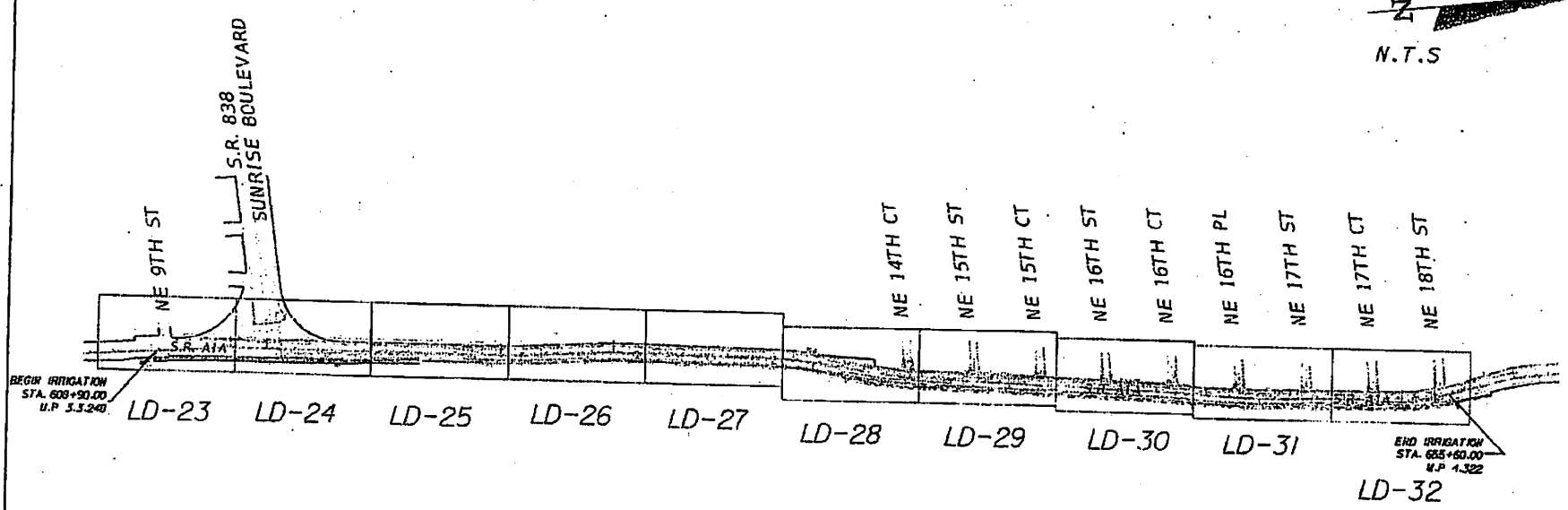
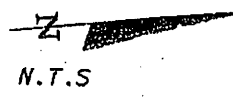
SHEET 1  
 OF 19

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 6009, F.S., 1-1-03.





VERIFY THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEALED UNDER RULE 600-7.01, F.A.C.



*Handwritten signature/initials*

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			IRRIGATION SHEET LAYOUT	SHEET NO. 10-22
DATE	BY	DESCRIPTION	DATE	REVISION NO.	COUNTY	FINANCIAL PROJECT ID		
				N/A	BROWARD	433688 4-52-01		

CONTRACT NO. 433688  
 KEITH and SCHNARS, P.A.  
 4000 N. UNIVERSITY AVE. #10, DAVENPORT, FL 33603-1101

THIS IS THE OFFICIAL RECORD OF THIS SHEET. THE DRAWING FILE NUMBER AND SHEET NUMBER HAVE BEEN RECORDED BY THE STATE OF FLORIDA.



N.E. 9TH ST

R/W

R/W

607

608

609

610

611

612

SR A1A

EXISTING EASEMENT LINE

R/W

PROPOSED EASEMENT LINE

BEGIN IRRIGATION  
STA. 608+90.00  
M.P. 3.248

NO SLEEVE INSTALLATION ON THIS SHEET

# LEGEND

- (1) 4 INCH SLEEVE, SCHEDULE 40 PVC
- (1) 2 INCH SLEEVE, SCHEDULE 40 GREY PVC



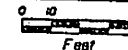
DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION

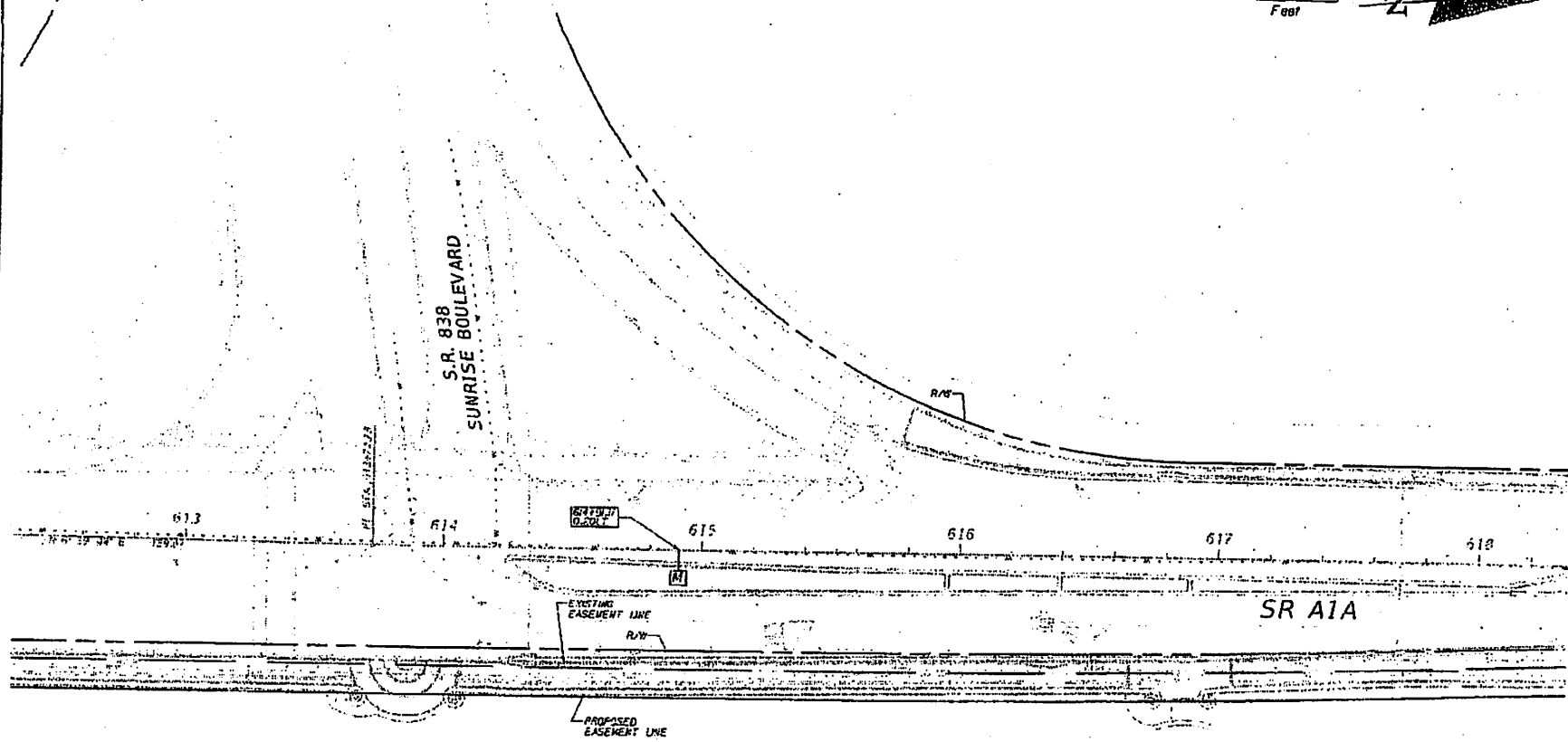
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			FINANCIAL PROJECT NO. 4336A8-4-52-01	IRRIGATION PLAN	SHEET NO. LD-23
ROAD NO.	COUNTY				
A1A	BROWARD				

KEITH and SCHNARS, P.A.  
6100 N. Andrews Ave., Ft. Lauderdale, FL 33309-2132 (954) 370-1814

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SAVED AND SEALED UNDER RULE 68B-001.1, F.A.C.



S.R. 838  
SUNRISE BOULEVARD



NO SLEEVE INSTALLATION ON THIS SHEET

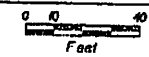
**LEGEND**

- ..... (1) 4 INCH SLEEVE, SCHEDULE 40 PVC
- ..... (2) 2 INCH SLEEVE, SCHEDULE 40 GREY PVC

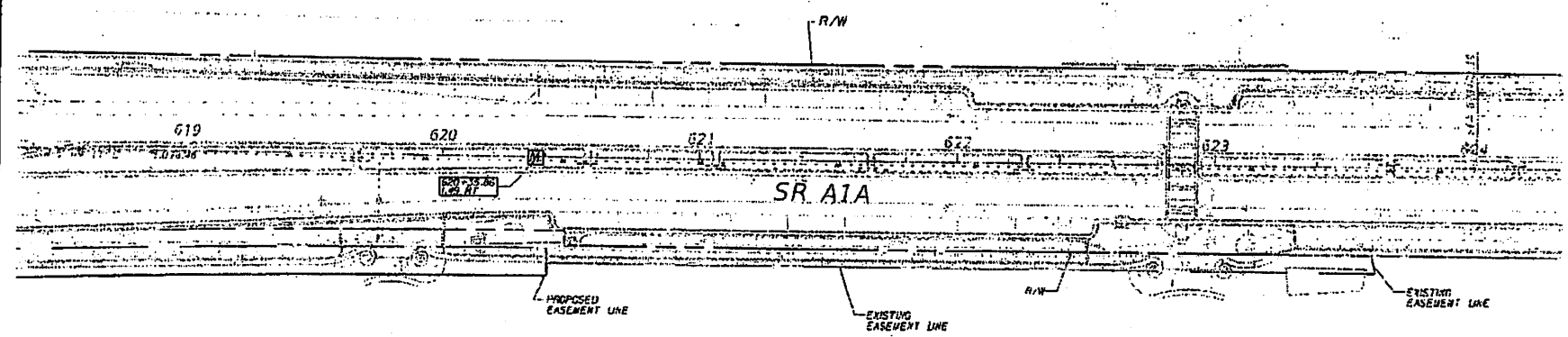
DATE		BY		DESCRIPTION		REVISIONS		DATE		BY		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD PROJECT NO. 433688-4-52-01		IRRIGATION PLAN SHEET NO. LD-24	
KEITH and SCHNARS, P.A. <small>1001 W. ANDERSON AVE., FT. LAUDERDALE, FL 33304-4122 (954) 774-1974</small>																	

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SAVED AND SEALED UNDER RULE 6100-1.001, F.S.





# HUGH TAYLOR BIRCH STATE PARK



## LEGEND

- 11 1/4 INCH SLEEVE, SCHEDULE 40 PVC
- 11 1/2 INCH SLEEVE, SCHEDULE 40 GREY PVC

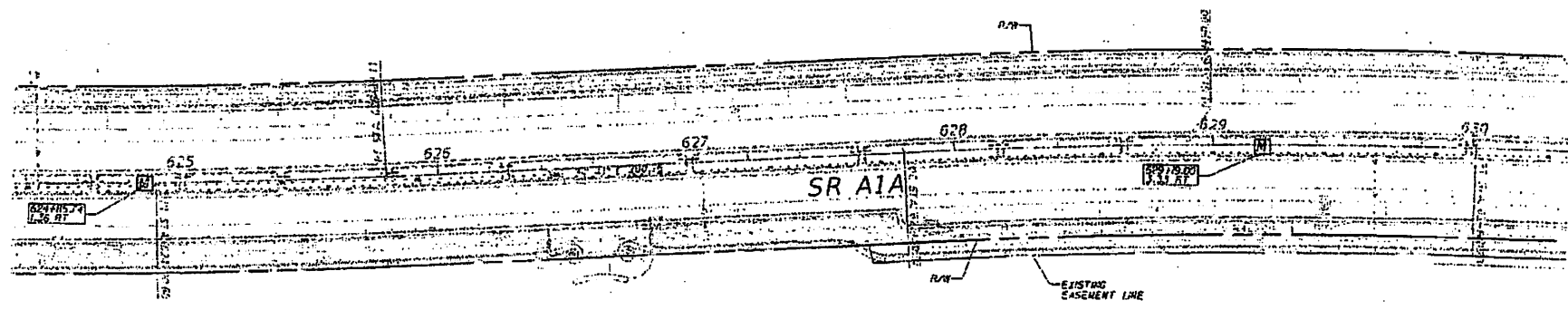
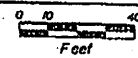
REVISIONS					DATE	BY	DESCRIPTION	APPROVED	DATE	BY	DESCRIPTION
DATE	BY	DESCRIPTION	DATE	BY							

LICENSED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
**KEITH and SCHNARS, P.A.**  
 6000 AVENUE ONE, SUITE 100, LARGO, FL 34682-2122 (781) 711-8410

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT NO.
A1A	BROWARD	433EBB-4-52-01

**IRRIGATION PLAN**  
 SHEET 197  
 LD-25

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE FORMS AND SEALED UNDER RULE 600-10.7-1.1.



**LEGEND**

- 11/4 INCH SLEEVE, SCHEDULE 40 PVC
- 11/2 INCH SLEEVE, SCHEDULE 40 GREY PVC

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK

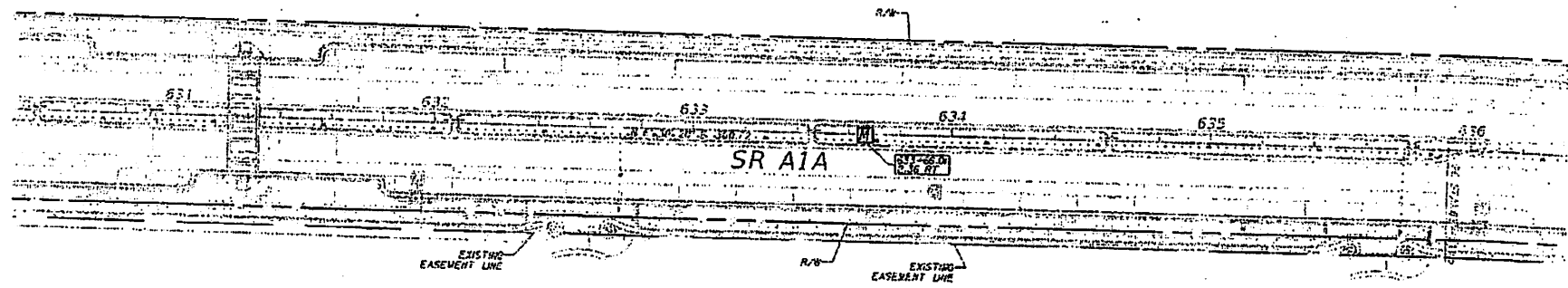
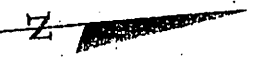
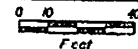
**KELLY and SCHNARS, P.A.**  
 10000 W. 11th Ave., Suite 200, Fort Lauderdale, FL 33309-4113  
 TEL: 754-561-1113 FAX: 754-561-1114

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT NO.
A1A	BROWARD	433688-4-52-01

**IRRIGATION PLAN**

SHEET NO.  
**LD-26**

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SAVED AND SEALED UNDER RULE 61E0-1.001, F.S.C.



**LEGEND**

- 11/4 INCH SLEEVE, SCHEDULE 40 PVC
- 11/2 INCH SLEEVE, SCHEDULE 40 GREY PVC

REVISIONS					DESCRIPTION
NO.	BY	DATE	SR	DESCRIPTION	

**KEITH and SCHNARS, P.A.**  
 1800 N. Andrews Ave., Ft. Lauderdale, Florida 33305 (954) 571-1111

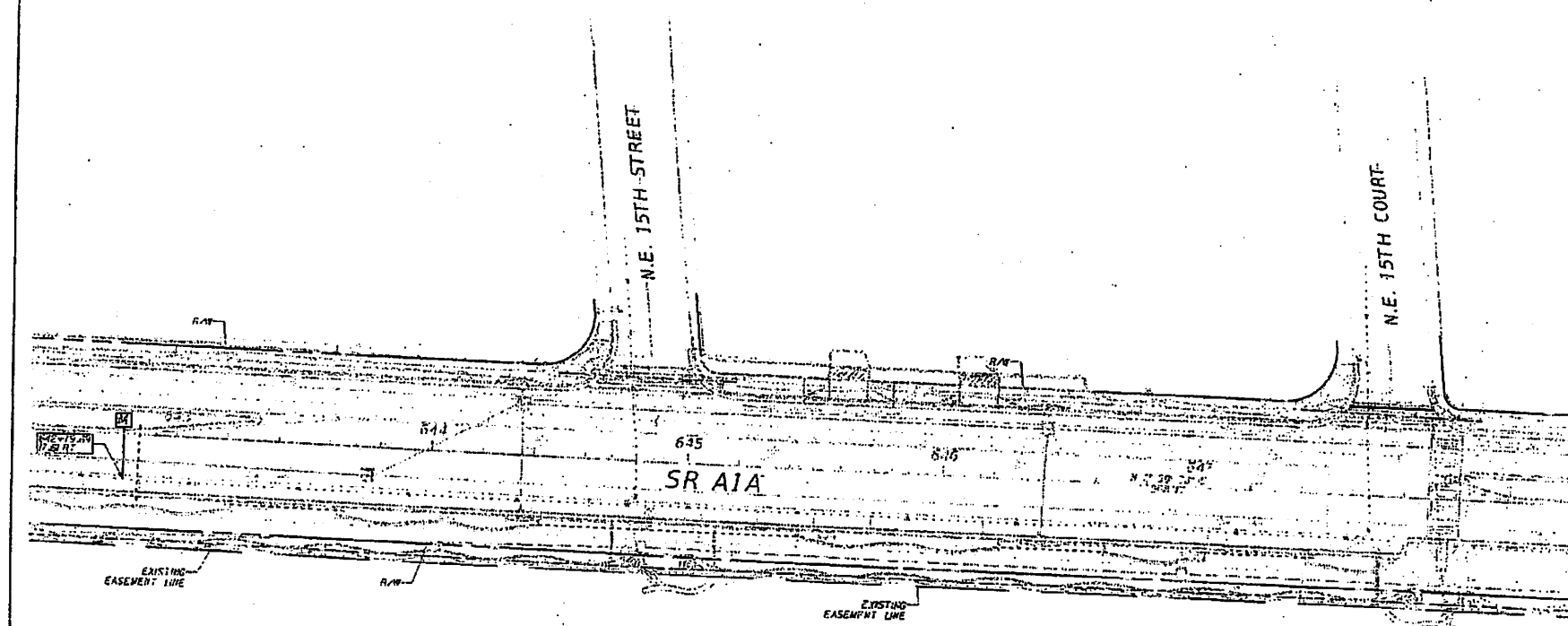
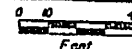
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT NO.
NA	BROWARD	433608-4-52-01

**IRRIGATION PLAN**

SHEET NO.  
 LD-27

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER FILE 5800-2-20, P. 1-2.





# LEGEND

- (1) 4 INCH SLEEVE, SCHEDULE 40 PVC
- (2) 2 INCH SLEEVE, SCHEDULE 10 GREY PVC

REVISIONS				
DATE	BY	DESCRIPTION	DATE	BY

**KEITH and SCHNARS, P.A.**  
 6330 E. Highway Ave., P.O. Box 11111, Jacksonville, FL 32211-1111  
 (904) 776-1916

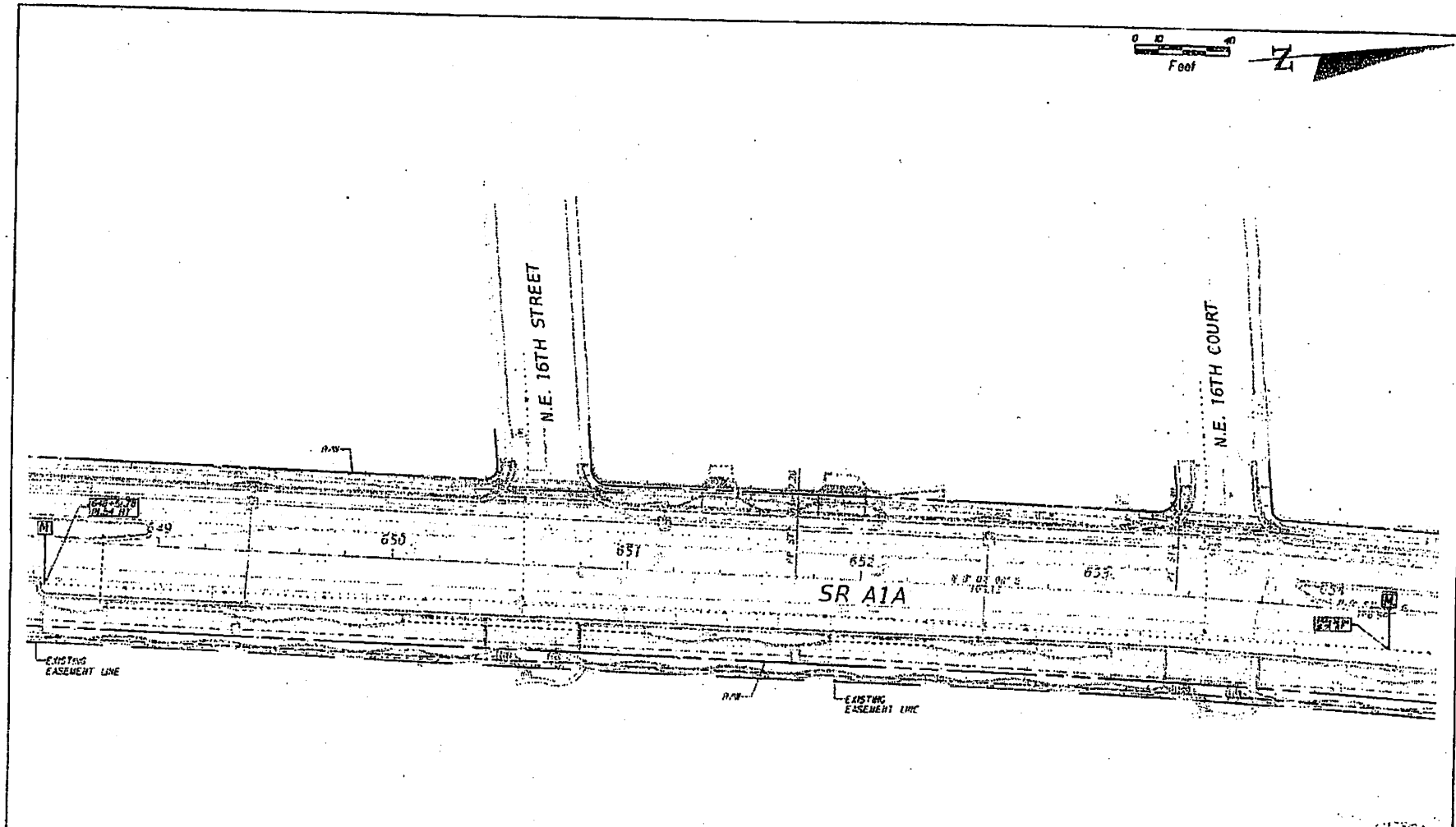
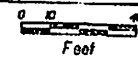
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
AIA	DUVAL	433608-4-52-01

**IRRIGATION PLAN**

SHEET NO.  
 LD-29

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE NAMED AND SEALED UNDER RULE 60.04, F.A.C.

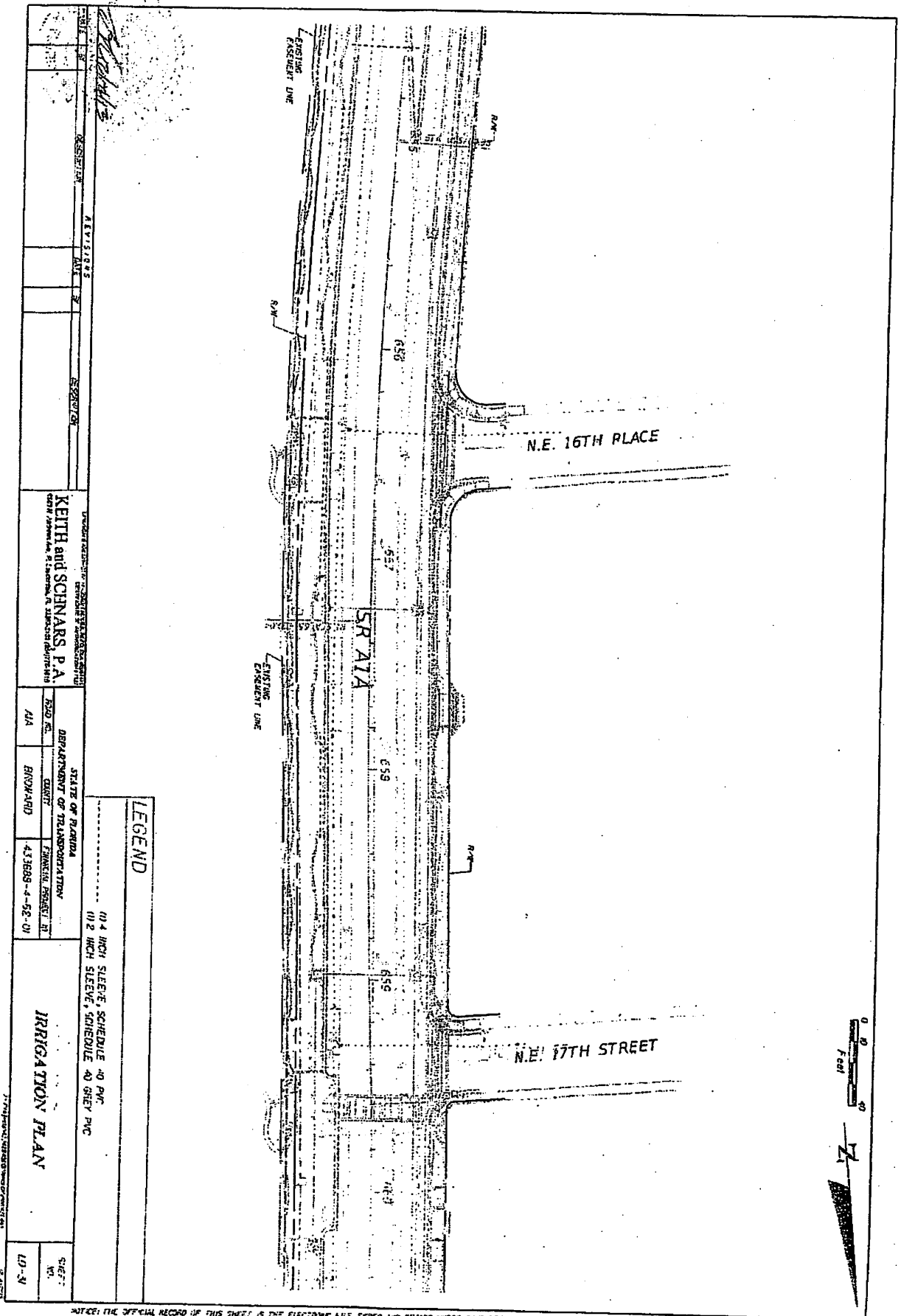


LEGEND	
-----	1) 4 INCH SLEEVE, SCHEDULE 40 PVC
-----	2) 2 INCH SLEEVE, SCHEDULE 40 GREY PVC
<div> <div>STATE OF FLORIDA</div> <div>DEPARTMENT OF TRANSPORTATION</div> <div>ROAD NO. COUNTY FINANCIAL PROJECT NO.</div> <div>A1A BROWARD 433666-4-52-01</div> </div> <div> <div>IRRIGATION PLAN</div> <div>SHEET NO. 12-30</div> </div>	

REVISIONS				DESCRIPTION
DATE	BY	REVISION	DATE	

KEITH and SCHNARS, P.A.  
 1801 W. Andrews Ave. Ft. Lauderdale, FL 33305-2132 (954) 576-1616

THE RECORD OF THIS SHEET IS THE ELECTRONIC FILE LABEL AND SEALED UNDER THE 500-5100 P.L.C.



# LEGEND

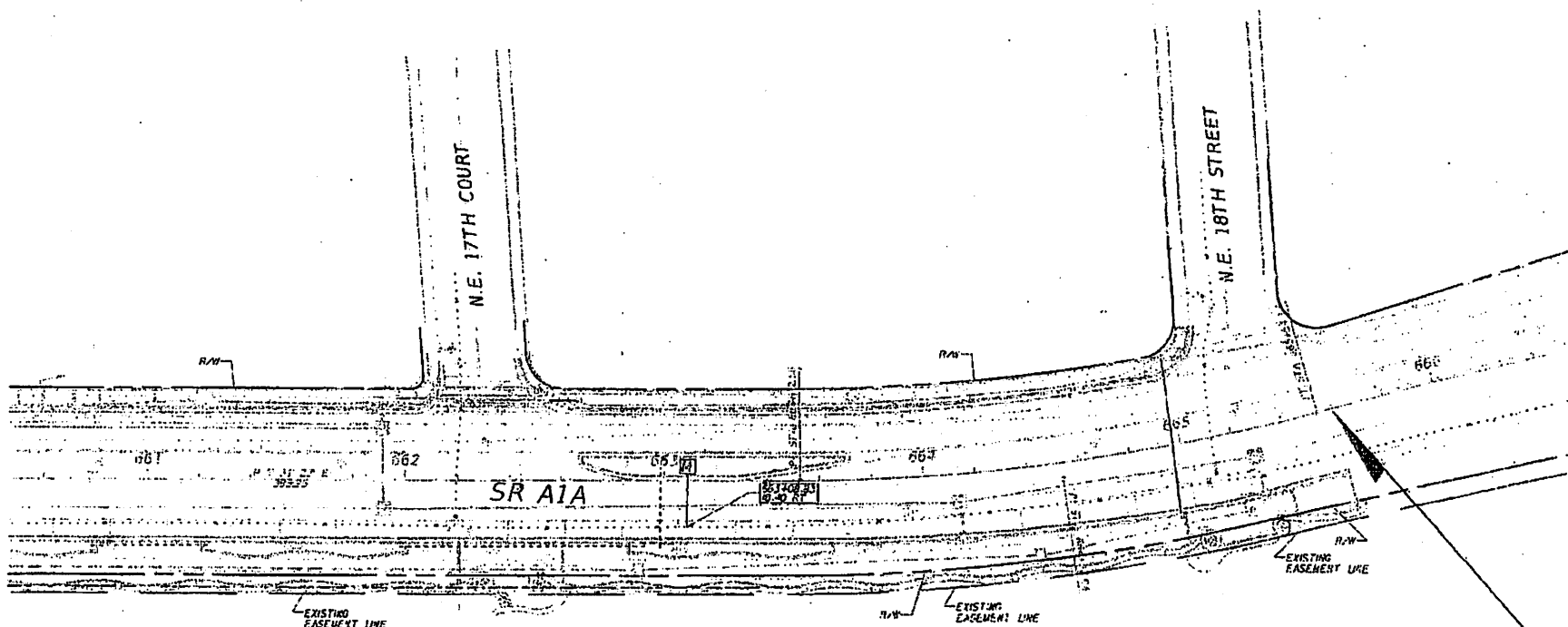
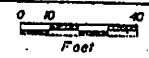
(1) 4 INCH SLEEVE, SCHEDULE 40 PVC  
 (2) 2 INCH SLEEVE, SCHEDULE 40 GREY PVC

IRRIGATION PLAN

Sheet  
 10-N

KEITH and SCHNARS, P.A.  
 Civil Engineers, Surveyors, and Professional Planners  
 1000 N. 1st Street, Suite 100, Fort Lauderdale, FL 33304

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. 1000  
 COUNTY OF BROWARD  
 PROJECT NO. 435008-4-52-01



END IRRIGATION  
STA. 655+60.00  
M.P. 4.322

**LEGEND**

- (1) 4 INCH SLEEVE, SCHEDULE 40 PVC
- (1) 2 INCH SLEEVE, SCHEDULE 40 GREY PVC

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

KEITH and SCHNARS, P.A.  
6825 N. Andover Ave., Ft. Lauderdale, FL 33309-4132 (954) 775-1418

STATE OF FLORIDA		
DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT NO.
A1A	BROWARD	435688-1-5B-01

IRRIGATION PLAN		SHEET NO.
		LD-32

NOTICE: THE ORIGINAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED WITH BROWARD COUNTY FILE NO. 435688-1-5B-01



**SECTION No.:** 860500  
**FM No.:** 433688-4-52-01  
**COUNTY:** Broward  
**S.R. No.:** A1A

**EXHIBIT C**

## MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS

**Dated: November 19, 2013**

**See attached**

## **MAINTENANCE PLAN**

### **Landscape Improvements**

**Project State Road No(s):** State Road A1A  
**Maintenance Limits:** From N.E. 9th Street (M.P. 3.248) to N.E. 18th Street (M.P. 4.322)  
**FM No(s):** 433688-4-52-01  
**Maintaining Agency:** City of Fort Lauderdale  
**RLA of Record:** Bruce K. Reed  
**Date:** November 19, 2013

---

#### **I. General Maintenance Requirements and Recommendations:**

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

#### **Watering Requirements:**

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

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

#### **Irrigation System:**

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

#### **Integrated Plant Management:**

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

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

**Mulching:**

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

**Pruning:**

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to specific pruning heights maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards, all palms are to be kept fruit free. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants are noted on the plans (See Exhibit B.) and see Part II. "Specific Requirements and Recommendations" for guidelines. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be maintained at a height in compliance with *FDOT Design Standards* Index 546; Page 2 of 6, Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program (MRP)* standards.

**Staking and Guying:**

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

**Turf Mowing:**

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

**Litter Control:**

The area within the maintenance limits of the landscape improvements shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste. Litter removal efforts must meet *FDOT Maintenance Rating Program (MRP)* standards.

**Weeding/Herbicide:**

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

**Plant Replacement:**

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

**Hardscape (Specialty Surfacing):**

All tree grates and specialty surfacing (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Guide Specifications for Pavers on an Aggregate Base, Section 32 14 13 Interlocking Concrete Pavers, Part 3.05*. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

**Hardscape (Non-Standard Travelway Surfacing):**

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

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

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

**Hardscape (Landscape Accent Lighting)**

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

### **Maintenance of Traffic Control**

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

### **Vegetation Management at Outdoor Advertising (ODA)**

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

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

### **II. Specific Project Site Maintenance Requirements and Recommendations:**

Ensure a clean and neat appearance by periodically cleaning and sealing the concrete pavers.

### **III. References**

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

Accessible Sidewalk Videos (ADA)

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

Americans with Disabilities Act (ADA) (ADAAG)

[http://www.ada.gov/2010ADAstandards\\_index.htm](http://www.ada.gov/2010ADAstandards_index.htm)

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

[www.isa-arbor.com](http://www.isa-arbor.com)

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

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

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

[http://www2.iccsafe.org/states/florida\\_codes/](http://www2.iccsafe.org/states/florida_codes/)

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

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

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

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

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

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

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

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

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

*Table 2.11.5 Horizontal Clearance to Trees*

*Table 2.11.11 Recoverable Terrain*

<http://www.dot.state.fl.us/rddesign/PPMManual/2013RPPM.shtm>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*  
<http://www.dot.state.fl.us/specificationsoffice/Implemented/SpecBooks/2013/Files/580-2013.pdf>

Florida Department of Transportation, Florida Highway Beautification Program  
[www.MyFloridaBeautiful.com](http://www.MyFloridaBeautiful.com)

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

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

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

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

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place*  
[http://www.fpl.com/residential/trees/right\\_tree\\_right\\_place.shtml](http://www.fpl.com/residential/trees/right_tree_right_place.shtml)

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

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

International Society of Arboriculture (ISA)  
[www.isa-arbor.com](http://www.isa-arbor.com)

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

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

**SECTION No.:** 860500  
**FM No.:** 433688-4-52-01  
**COUNTY:** Broward  
**S.R. No.:** A1A

## EXHIBIT D

## PATTERNED PAVEMENT MAINTENANCE

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

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

1. Within 60 days of project acceptance by the Department, all lanes of each patterned crosswalk shall be evaluated for surface friction. The friction test shall be conducted using either a locked wheel tester in accordance with *FM 5-592 (Florida Test Method for Friction Measuring Protocol for Patterned Pavements)* or Dynamic Friction Tester in accordance with *ASTM E1911*. *All costs for friction testing are the responsibility of the AGENCY.*
2. The initial friction resistance shall be at least 35 obtained at 40 mph with a ribbed tire test (FN40R) or equivalent (FM 5-592 attached). Failure to achieve this minimum resistance shall require all deficient crosswalk areas to be removed to their full extent (land-by-land) and replaced with the same product installed initially. The AGENCY is responsible for all costs associated with the removal and replacement of the crosswalk. If the Department determines that more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the Qualified Products List (QPL) or replaced with conventional pavement.
3. Approximately one year after project acceptance and every two years thereafter and for the life of the adjacent pavement, only the outside traffic lane areas of each patterned crosswalk shall be tested for friction resistance in accordance with *ASTM E274* or *ASTME 1911*. Friction resistance shall, at a minimum, have a FN40R value of 35 (or equivalent).



4. The results of all friction tests shall be sent to the **Operations Engineer** at the local **FDOT District Four Operations Center** located at 5548 NW 9<sup>th</sup> Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300, with a cover letter either certifying, that the crosswalks comply with the minimum friction criteria, or stating what remedial action will be taken to restore the friction.
5. Failure to achieve the minimum resistance shall require all lanes of the crosswalk to be friction tested to determine the extent of the deficiency. All deficient areas shall be removed to their full extent (lane-by-lane) and replaced with the same product installed initially. If the Department determines that more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the QPL, or replaced with conventional pavement.
6. When remedial action is required in accordance with the above requirements, the local agency shall complete all necessary repairs at its own expense within 90 days of the date when the deficiency was identified. No more than two full depth patterned pavement repairs shall be made to an area without first resurfacing the underlying pavement to 1" minimum depth.
7. The Department will not be responsible for replacing the treatment following any construction activities by the Department in the vicinity of the treatment, or any costs for testing.
8. Should the local agency fail to satisfactorily perform any required remedial work or testing in accordance with this agreement, the Department reserves the right to replace the patterned pavement with conventional pavement (matching the adjacent pavement) and bill the local agency for this cost.

Florida Test Method  
for  
Friction Measuring Protocol for Patterned Pavements

Designation: FM 5-592

1. SCOPE

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

**Note:** This test method contains two parts:

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

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

2. APPARATUS

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

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

3. FRICTION NUMBER CONVERSION

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

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

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

where,

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

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

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

$$FN40R = 0.89 \cdot FN20R - 4.88 \quad (3)$$

where,

FN20R = Friction Number from locked wheel testing at 20 mph using a ribbed tire, and

$$FN40R = 0.95 \cdot FN30R - 2.91 \quad (4)$$

where,

FN30R = Friction Number from locked wheel testing at 30 mph using a ribbed tire.

For ease of application of the above harmonization results, Table 1 summarizes the conversions from FN30R, FN20R and DFT40 to FN40R. Note that the friction numbers shown in this table were rounded to the closest integer. The numbers highlighted in yellow represent the current minimum required friction numbers depending on survey cycle, test method, and speed evaluated.

**Table 1. Friction Number Table**

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

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

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

#### 4. PROCEDURE

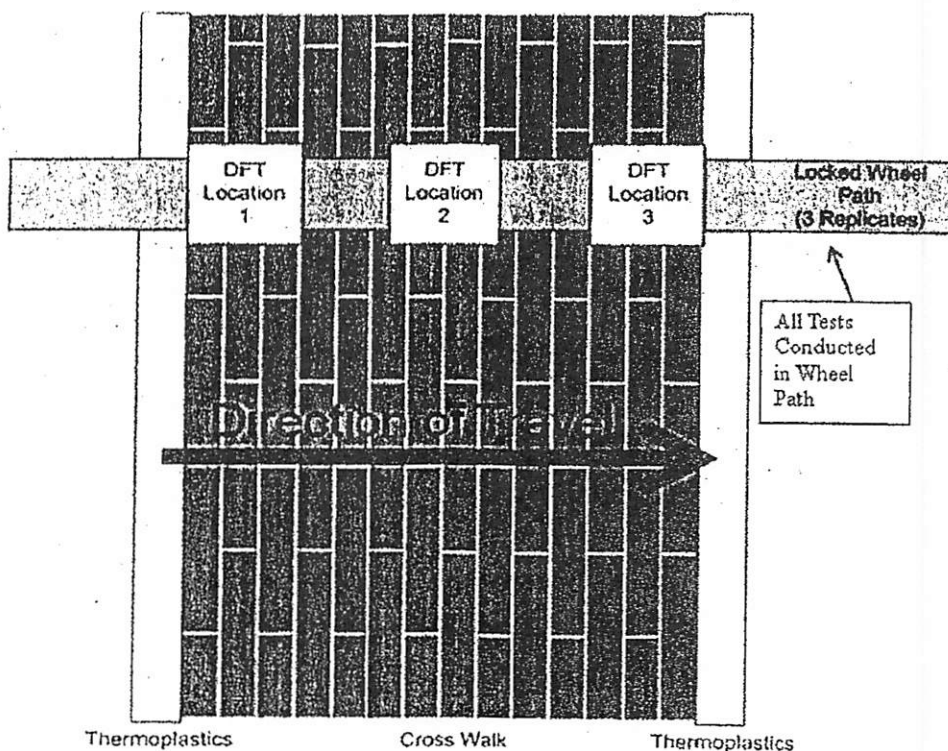
The test procedures for both the Locked Wheel Friction Tester and the Dynamic Friction Tester are described in the following. All testing should be performed within either the driver or passenger side wheel path, regardless of the equipment used.

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

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

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

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



**FIGURE 1 Testing protocol for patterned pavement.**

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

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

## 5 REPORT

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

<b>SECTION No.:</b>	<b>860500</b>
<b>FM No.:</b>	<b>433688-4-52-01</b>
<b>COUNTY:</b>	<b>Broward</b>
<b>S.R. No.:</b>	<b>A1A</b>

### **EXHIBIT E**

#### **APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS**

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

**\$ 984,757.50**

<b>SECTION No.:</b>	<b>860500</b>
<b>FM No.:</b>	<b>433688-4-52-01</b>
<b>COUNTY:</b>	<b>Broward</b>
<b>S.R. No.:</b>	<b>A1A</b>

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**\$ 984,757.50**



# **OPINION OF CONSTRUCTION COST**

**PROJECT STATE ROAD No(s): STATE ROAD A1A**  
**MAINTENANCE LIMITS FROM N.E. 9th STREET TO N.E. 18th STREET (M.P. 4.322)**  
**FM No(s): 433688-4-52-01**  
**MAINTAINING AGENCY: CITY OF FORTLAUDERDALE**  
**RLA OF RECORD: BRUCE K. REED**  
**DATE: 3-Dec-13**



ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	SUB-TOTAL
523-1	PATTERNED/TEXTURED PAVEMENT	SY	579	\$67.50	\$39,082.50
526-1-1	PAVERS, ARCHITECTURAL	SY	11675	\$81.00	\$945,675.00
<b>GRAND TOTAL =</b>					<b>\$984,757.50</b>

**EXHIBIT D**

Landscape Maintenance  
Memorandum of Agreement  
with the  
City of Fort Lauderdale

SECTION #: 86050000  
STATE ROAD: A1A  
PROJECT #: 452467-1-52-02  
COUNTY: BROWARD

**AMENDMENT NUMBER NINETEEN (19) TO  
FLORIDA DEPARTMENT OF TRANSPORTATION, DISTRICT FOUR (4)  
LANDSCAPE INCLUSIVE MAINTENANCE MEMORANDUM OF AGREEMENT  
FOR STATE ROAD A1A FORT LAUDERDALE**

**THIS AMENDMENT** Number Nineteen (19) to the Agreement dated January 31, 2008, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ by and between the State of Florida Department of Transportation, hereinafter called the **DEPARTMENT**, and the **CITY OF FORT LAUDERDALE**, a municipal corporation of the State of Florida, hereinafter called the **AGENCY**.

**WITNESSETH**

**WHEREAS**, the parties entered into the Landscape Inclusive Maintenance of Agreement dated, January 31, 2008, for the purpose of the AGENCY maintaining the landscape and hardscape improvements on State Road A1A (N. Fort Lauderdale Beach Blvd.); and,

**WHEREAS**, Inclusive Amendment #6, dated February 5<sup>th</sup>, 2014, installed hardscape on State Road A1A from NE 9<sup>th</sup> Street to NE 18<sup>th</sup> Street, and Inclusive Amendment #9 dated May 7, 2015, installed landscape and irrigation on State Road A1A from NE 9<sup>th</sup> Street to NE 18<sup>th</sup> Street; and are included by reference and incorporated herein; and,

**WHEREAS**, the DEPARTMENT and the AGENCY have agreed to add additional landscape and hardscape improvements, including a midblock crossing, to be installed by the DEPARTMENT south of NE 14<sup>th</sup> Court on State Road A1A in accordance with the above referenced Agreements; and,

**WHEREAS**, the AGENCY by Resolution No. \_\_\_\_\_ dated \_\_\_\_\_, attached hereto as **Exhibit "E"** and by this reference made a part hereof, desires to enter into this Agreement and authorized its officers to do so; and,

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

1. Pursuant to Paragraph Number Fourteen (14) in the Agreement dated January 31, 2008, the DEPARTMENT has agreed to construct additional improvements or to modify an improvement located as indicated in **Exhibit "A"**, in accordance with the plans attached as **Exhibit "B"**.

2. The AGENCY shall agree to maintain the additional improvements described above, including decorative crosswalk and paver sidewalks, in accordance with Exhibit "C" Maintenance Plan of Inclusive Amendment #6, dated February 5<sup>th</sup>, 2014, and **Exhibit "D"** Patterned Pavement Maintenance, as amended in this agreement.
3. The DEPARTMENT agrees to enter into a contract to have installed said improvements for an amount as indicated in **Exhibit "C"**, not to exceed \$53,282.00. The AGENCY shall arrange for funding via a separate agreement to be executed by the AGENCY and the DEPARTMENT.

Except as modified by this Amendment, all terms and conditions of the original Agreement and all Amendments thereto shall remain in full force and effect.

#### LIST OF EXHIBITS

Exhibit A - Maintenance Limits  
Exhibit B - Improvement Plans  
Exhibit C - Cost Estimate for Hardscape Improvements  
Exhibit D - Patterned Pavement Maintenance (revised as of June 21, 2021)  
Exhibit E - Resolution

**In Witness whereof**, the parties hereto have executed with this Amendment effective the day and year first written above.

**CITY OF FORT LAUDERDALE,  
through its CITY COMMISSIONERS**

**STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION**

By: \_\_\_\_\_  
Dean J. Trantalis, Mayor

By: \_\_\_\_\_  
John Krane, P.E.  
Transportation Development Director

\_\_\_\_\_ day of \_\_\_\_\_, 2024

Date: \_\_\_\_\_

\_\_\_\_\_  
Susan Grant, Acting City Manager

Attest: \_\_\_\_\_  
Executive Secretary

Approved as to form by Office of City Attorney

Legal Review

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
Office of the General Counsel

\_\_\_\_\_  
Date

ATTEST:

\_\_\_\_\_  
David R. Soloman, City Clerk

(SEAL)

SECTION #: 86050000  
STATE ROAD: A1A  
PROJECT #: 452467-1-52-02  
COUNTY: BROWARD

**EXHIBIT A**  
**MAINTENANCE LIMITS**

**I. INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS  
FOR STATE ROAD A1A:**

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

By Individual Sections:

Southbound One Way (Section 86050100)  
M.P. 0.0000 (Seville Street) to M.P. 0.926 (Bahia Mar Hotel Entrance)

Northbound One Way / Seabreeze Blvd / 17<sup>th</sup> Street Causeway (Section 86180000):  
M.P. 0.000 (State Road 5) (US 1) to M.P. 2.964 (State Road 842) (Las Olas Boulevard)

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

**II. ROADWAY PROJECT MAINTENANCE LIMITS FOR AMENDMENT #19:**

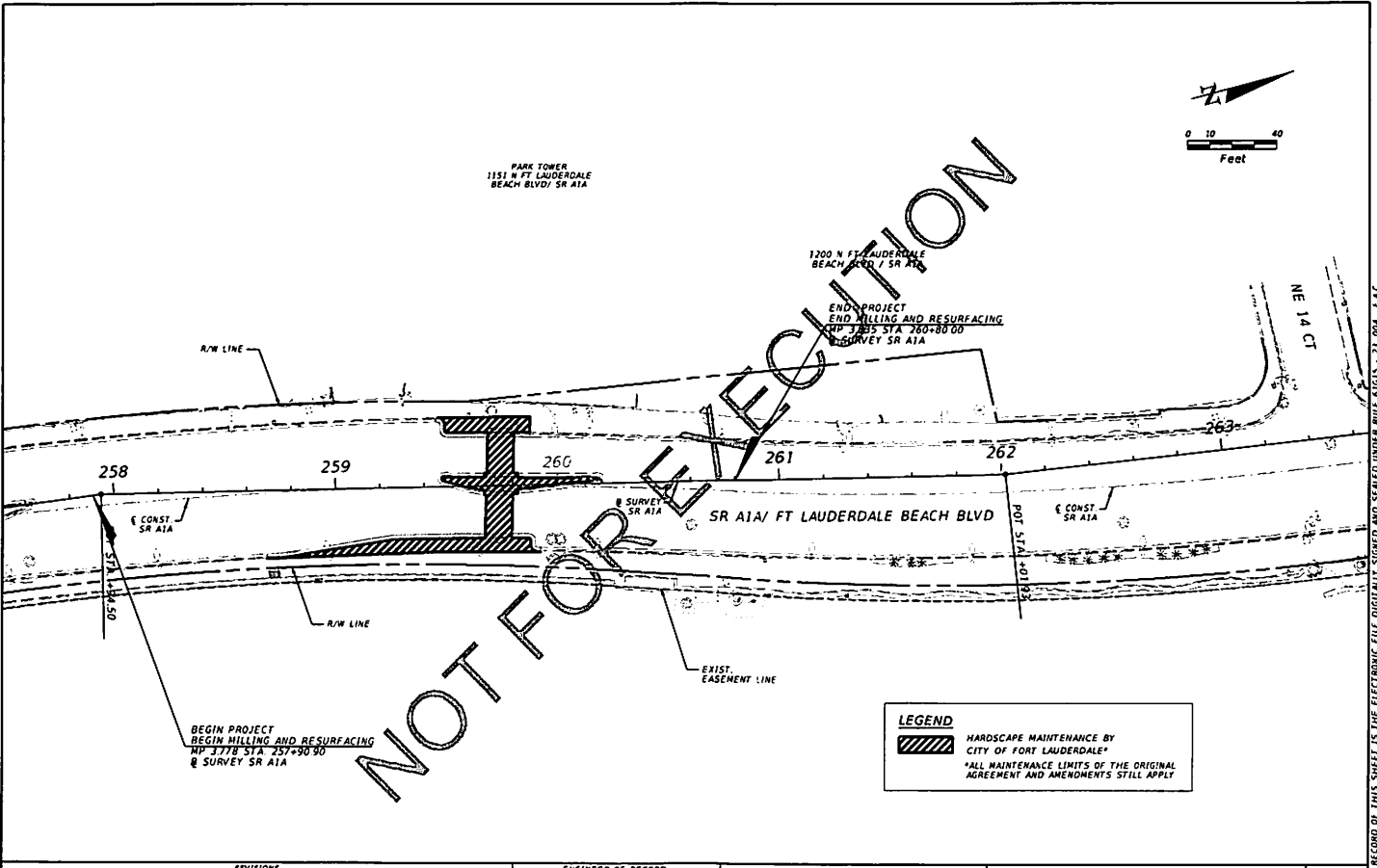
Section Number 86050000

State Road A1A (N. Fort Lauderdale Beach Blvd.) south of N.E. 14<sup>th</sup> Court,  
from MP 3.778 to MP 3.835

**III. PROJECT MAINTENANCE BOUNDARY MAP\*:**

*Please See Attached*

\*All limits of the original agreement and amendments shall apply



**LEGEND**

HARDSCAPE MAINTENANCE BY CITY OF FORT LAUDERDALE\*

\*ALL MAINTENANCE LIMITS OF THE ORIGINAL AGREEMENT AND AMENDMENTS STILL APPLY

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 11321.dwg

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO	COUNTY	FINANCIAL PROJECT ID		
			MARK EISELL, P.E. LICENSE NUMBER 60839 CHA CONSULTING, INC 8815 NW 15TH AVE, SUITE 200 DORAL, FL 33172	SR A1A	BROWARD	452467-1-52-01		8

MARK CISELL, P.E.  
 LICENSE NUMBER 60839  
 CHA CONSULTING, INC  
 8935 NW 35TH LANE, SUITE 200  
 DORAL, FL 33172

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15 - 21.004.

SECTION #: 86050000  
STATE ROAD: A1A  
PROJECT #: 452467-1-52-02  
COUNTY: BROWARD

**EXHIBIT B**

**ROADWAY IMPROVEMENT PLANS**

The AGENCY agrees to install the improvements in accordance with the roadway plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Mark Cissell, PE  
CHA Consulting, Inc.

Biddability Submittal  
June 2024



# CONTRACT PLANS COMPONENTS

ROADWAY  
SIGNING AND PAVEMENT MARKING  
SIGNALIZATION  
LIGHTING

## STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

### ROADWAY PLANS

FINANCIAL PROJECT ID 452467-1-52-01, 452467-1-52-02  
(FEDERAL FUNDS)

BROWARD COUNTY (86050)

STATE ROAD NO. A1A (N FT LAUDERDALE BEACH BOVD)  
ADD A MIDBLOCK PEDESTRIAN CROSSING SOUTH OF NE 14TH ST

#### INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2 - 3	TYPICAL SECTIONS
4 - 5	PROJECT CONTROL
6	GENERAL NOTES
7	ROADWAY PLAN
8 - 10	SPECIAL DETAILS
11 - 13	TEMPORARY TRAFFIC CONTROL PLAN

UTV-1\* VERIFIED UTILITY LOCATE

\* THIS SHEET IS INCLUDED IN THE INDEX OF ROADWAY PLANS  
ONLY TO INDICATE THAT THEY ARE PART OF THE ROADWAY PLANS  
THIS SHEET IS CONTAINED IN A SEPARATE DIGITALLY SIGNED  
AND SEALED DOCUMENT

PROJECT LOCATION URL: <https://tinyurl.com/5abpxv>  
PROJECT LIMITS: BEGIN MP 3.778 - END MP 3.833  
EXCEPTIONS: NONE  
BRIDGE LIMITS: NONE  
RAILROAD CROSSING: NONE

BIDDABILITY SUBMITTAL  
JUNE 2024

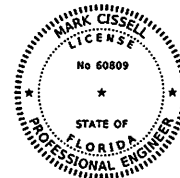
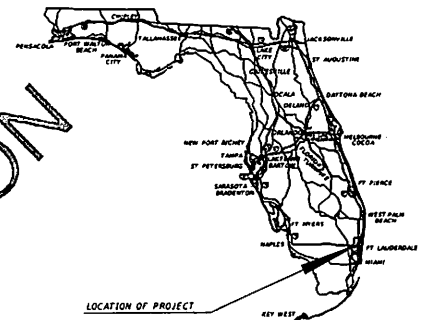
#### GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 Standard Plans for Road and  
Bridge Construction and applicable Interim Revisions (IRs).

#### GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2023-24 Standard Specifications  
for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>

THIS PROJECT TO BE LET TO CONTRACT  
WITH FINANCIAL PROJECT ID(S):  
452518-1-52-01, 452518-1-52-02, 452467-1-52-01,  
452467-1-52-02



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL  
PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED AND  
THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES

ROADWAY PLANS  
ENGINEER OF RECORD:

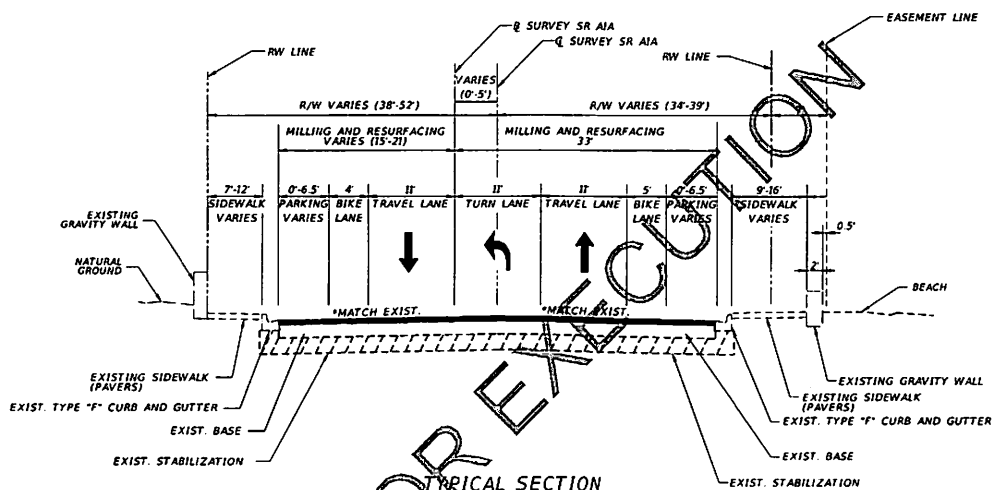
MARK CISSELL, P.E.  
P.E. LICENSE NUMBER 60809  
CHA CONSULTING, INC.  
8935 NW 35th LANE, SUITE 200  
DORAL, FLORIDA 33172  
CONTRACT NO: CAC30  
VENDOR NO: 15-0966259

FDOT PROJECT MANAGER:

OHID FALLAHMEYAD, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T4713	25	1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15 - 23.004, F.A.C.



TYPICAL SECTION  
SR A1A  
STA. 257+91.00 TO STA. 259+46.18  
STA. 260+21.15 TO STA. 260+87.00

\*CROSS SLOPE VARIES 0.015 TO 0.030

#### TRAFFIC DATA

CURRENT YEAR = 2022 AADT = 24000  
ESTIMATED OPENING YEAR = 2026 AADT = 25500  
ESTIMATED DESIGN YEAR = 2046 AADT = 35000  
K = 9.0% D = 53.5% T = 3.4% (24 HOUR)  
DESIGN HOUR T = 17%  
DESIGN SPEED = 30 MPH  
CONTEXT CLASSIFICATION = C3R

#### TRAVEL AND BIKE LANES

WILL EXISTING ASPHALT PAVEMENT (1.5\"/>

REVISIONS		DESCRIPTION	ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION			ROAD NO	COUNTY	FINANCIAL PROJECT ID	
			MARK CISSELL, P.E. LICENSE NUMBER 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172	SR A1A	BROWARD	452467-1-52-01	2

TYPICAL SECTIONS



# PROJECT CONTROL POINTS

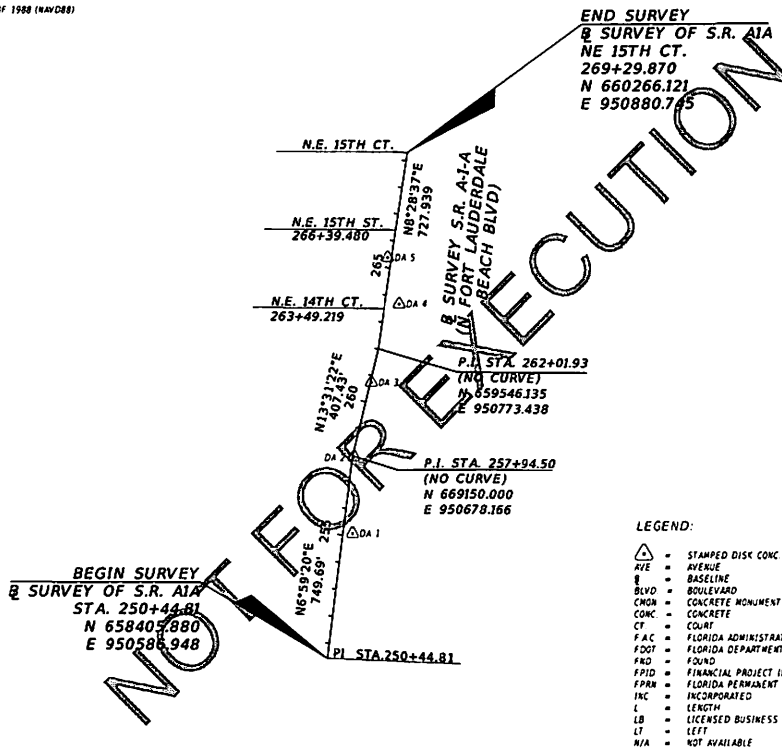
Q SURVEY S.R. A-1-A

TRAVERSING THROUGH SECTION 31,  
TOWNSHIP 49 SOUTH, RANGE 43 EAST  
BROWARD COUNTY, FLORIDA

1. THE BEARINGS AND COORDINATES SHOWN HEREON ARE RELATIVE TO STATE PLANE  
COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983, ADJUSTMENT 1990  
AND ARE BASED UPON A BEARING OF NORTH 00°54'42" EAST BETWEEN MONUMENTS "DA 1" AND  
"DA 2".

2. VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

3. PROJECT UNITS: U.S. SURVEY FEET



## LEGEND:

- |      |                                      |       |                                  |
|------|--------------------------------------|-------|----------------------------------|
| △    | STAMPED DISK CONC. MONUMENT          | NAD   | NORTH AMERICAN DATUM             |
| AVE  | AVENUE                               | NAVD  | NORTH AMERICAN VERTICAL DATUM    |
| BLVD | BOULEVARD                            | NGS   | NATIONAL GEODETTIC SURVEY        |
| CHCN | CONCRETE MONUMENT                    | NO    | NUMBER                           |
| CONC | CONCRETE                             | P.C   | POINT OF CURVATURE               |
| CT   | COURT                                | P.I   | POINT OF INTERSECTION            |
| FAC  | FLORIDA ADMINISTRATIVE CODE          | P.R.C | POINT OF REVERSE CURVATURE       |
| FDOT | FLORIDA DEPARTMENT OF TRANSPORTATION | P.T   | POINT OF TANGENCY                |
| FND  | FOUND                                | PSM   | PROFESSIONAL SURVEYOR AND MAPPER |
| FPID | FINANCIAL PROJECT IDENTIFICATION     | R     | RADIUS                           |
| FPRN | FLORIDA PERMANENT REFERENCE NETWORK  | RT    | RIGHT                            |
| INC  | INCORPORATED                         | SEC   | SECTION                          |
| L    | LENGTH                               | STA   | STATION                          |
| LB   | LICENSED BUSINESS                    | S.R   | STATE ROAD                       |
| LT   | LEFT                                 | STWD  | STAMPED DISK                     |
| N/A  | NOT AVAILABLE                        | T     | TANGENT                          |

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT CONTROL	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR AIA	BROWARD	452467-1-52-01		

MARK CISELL, P.E.  
LICENSE NUMBER 60809  
CHA CONSULTING, INC.  
8915 NW 13TH LANE, SUITE 200  
DORAL, FL 33172

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. SR AIA  
COUNTY BROWARD  
FINANCIAL PROJECT ID 452467-1-52-01

PROJECT CONTROL

SHEET  
NO.  
4

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# PROJECT CONTROL POINTS

§ SURVEY S.R. A-1-A  
 TRAVERSING THROUGH SECTION 31,  
 TOWNSHIP 49 SOUTH, RANGE 43 EAST  
 BROWARD COUNTY, FLORIDA

NOT FOR EXISTENCE

PROJECT NETWORK CONTROL TABULATION SHEET DETAILS										
POINT NAME	(Y) NORTHING	(X) EASTING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION	
DA 1	658863.112	950679.217	1.00004063	26°08'36.59484"	80°06'08.12075"	255+09.87	35.95 RT	8.14	SET NAIL AND DISC STAMPED "DA 1"	
DA 2	659146.246	950683.723	1.00004064	26°08'39.39855"	80°06'08.04986"	257+91.45	5.97 RT	7.23	SET NAIL AND DISC STAMPED "DA 2"	
DA 3	659420.463	950747.484	1.00004068	26°08'42.10990"	80°06'07.32945"	260+73.67	4.15 RT	6.69	SET NAIL AND DISC STAMPED "DA 3"	
DA 4	659708.344	950852.489	1.00004075	26°08'44.95375"	80°06'06.15543"	263+74.02	54.28 RT	7.32	SET NAIL AND DISC STAMPED "DA 4"	
DA 5	659878.307	950809.286	1.00004072	26°08'46.63993"	80°06'06.61661"	265+35.76	13.51 LT	6.34	SET NAIL AND DISC STAMPED "DA 5"	
860467-H	656965.115	949628.331	1.00003993	26°08'17.86972"	80°06'19.79494"	N/A	N/A	4.53	FOUND BRASS DISC STAMPED "860467 H"	
EDH 17	656959.068	949239.888	1.00003967	26°08'17.83628"	80°06'24.05744"	N/A	N/A	4.56	FOUND BRASS DISC STAMPED "EDH 17 RESET 1985"	

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT CONTROL	SHEET NO. 5
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR A1A	BROWARD	452467-1-52-01		

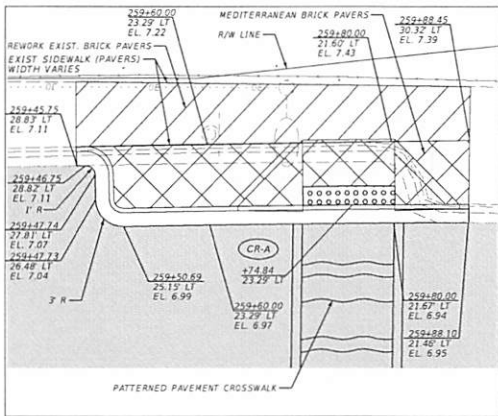
MARK CISELL, P.E.  
 LICENSE NUMBER 60809  
 CHA CONSULTING, INC.  
 8915 NW 35TH LANE, SUITE 200  
 DORAL, FL 33172

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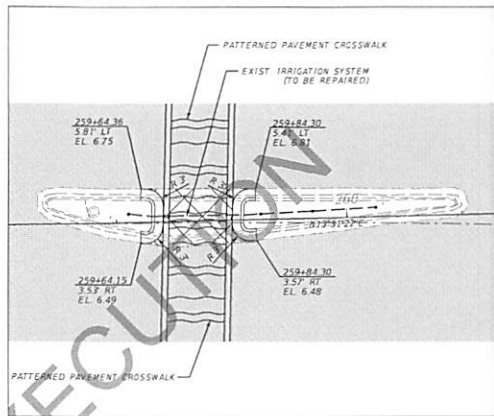
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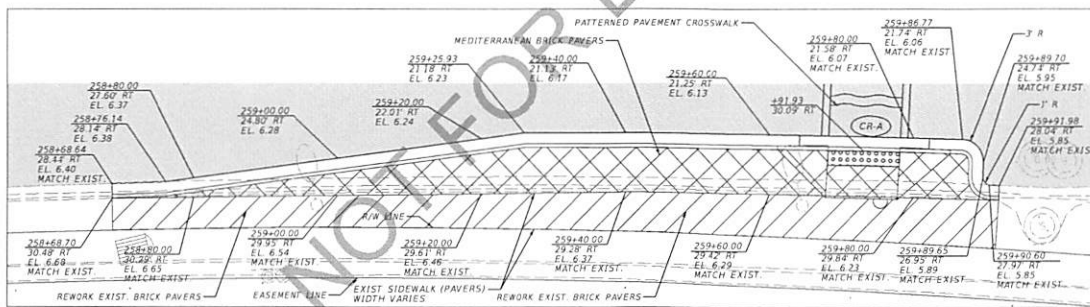
[illegible]



DETAIL A  
WEST RAMP  
SR AIA S OF NE 14TH CT



DETAIL B  
MIDBLOCK CROSSING  
SR AIA S OF NE 14TH CT



DETAIL C  
EAST RAMP  
SR AIA S OF NE 14TH CT

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION		DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		8
						SR AIA	BROWARD	452467-1-52-01		
				MARK CISELL, P.E. LICENSE NUMBER 60909 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172						

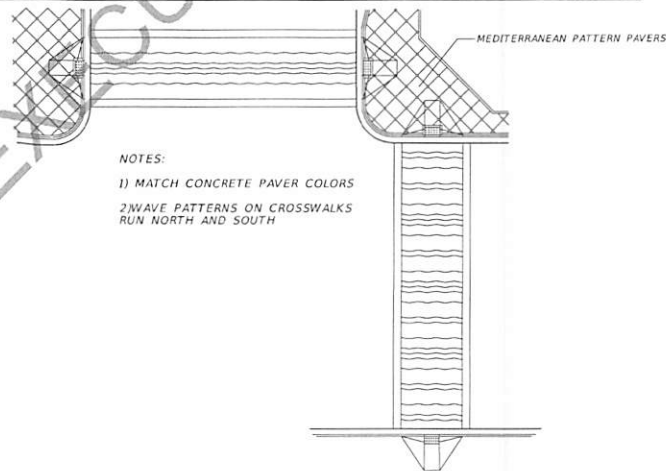
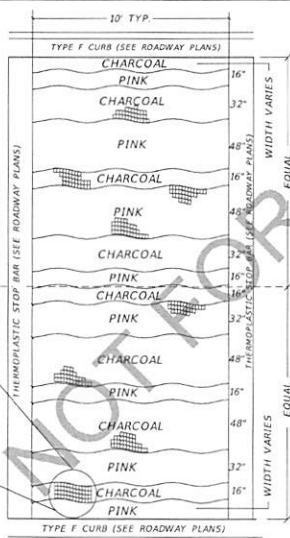
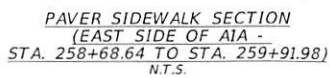
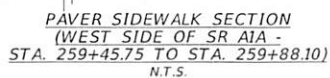
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SHEET  
NO.



NOTES:  
1) MATCH CONCRETE PAVER COLORS  
2) WAVE PATTERNS ON CROSSWALKS  
RUN NORTH AND SOUTH

PATTERNED PAVEMENT  
CROSSWALK DETAIL  
N.T.S.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO	COUNTY	FINANCIAL PROJECT ID	
				MARK CISELL, P.E. LICENSE NUMBER 60809 CHA CONSULTING, INC 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172	SR A1A	BROWARD	452467-1-52-01	10

TEMPORARY TRAFFIC CONTROL NOTES

GENERAL:

1. WORK ZONE SPEED IS 30 M.P.H.
2. LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS OR NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE:  
9:00 PM TO 8:00 AM - WEEK DAYS (MONDAY THRU THURSDAY)
3. NO NIGHTTIME WORK SHALL OCCUR DURING THE MONTH OF MARCH THROUGH OCTOBER DUE TO SEA TURTLE NESTING SEASON
4. PAVEMENT SHALL NOT BE MILLED MORE THAN CAN BE REPLACED WITHIN THE SAME WORK SHIFT
5. CONCRETE SIDEWALK AND CURB AND GUTTER SHALL BE REMOVED AND REPLACED WITHIN THE SAME WORK SHIFT
6. NOTIFY THE CITY OF FORT LAUDERDALE 14 DAYS PRIOR TO ANY LANE CLOSURES AND CHANGES TO TRAFFIC PATTERNS

ADVANCE CONSTRUCTION NOTICE:

1. FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGNS AT EACH APPROACH TO WORK ZONE (14 DAYS IN ADVANCE)

PLACE PCMS 14 DAYS IN ADVANCE OF CONSTRUCTION



PANEL 1



PANEL 2

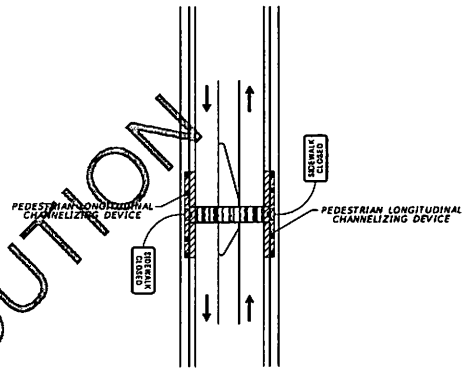
PLACE PCMS DURING CONSTRUCTION



PANEL 1



PANEL 2



CROSSWALK CLOSURE DETAIL

1. CHANNELIZING DEVICES AND SIDEWALK CLOSED SIGNS TO BE PLACED IN ACCORDANCE WITH THE CROSSWALK CLOSURE DETAIL ABOVE TO KEEP PEDESTRIANS FROM USING THE CROSSWALK UNTIL ALL WORK IS COMPLETED

NOT FOR EXECUTION

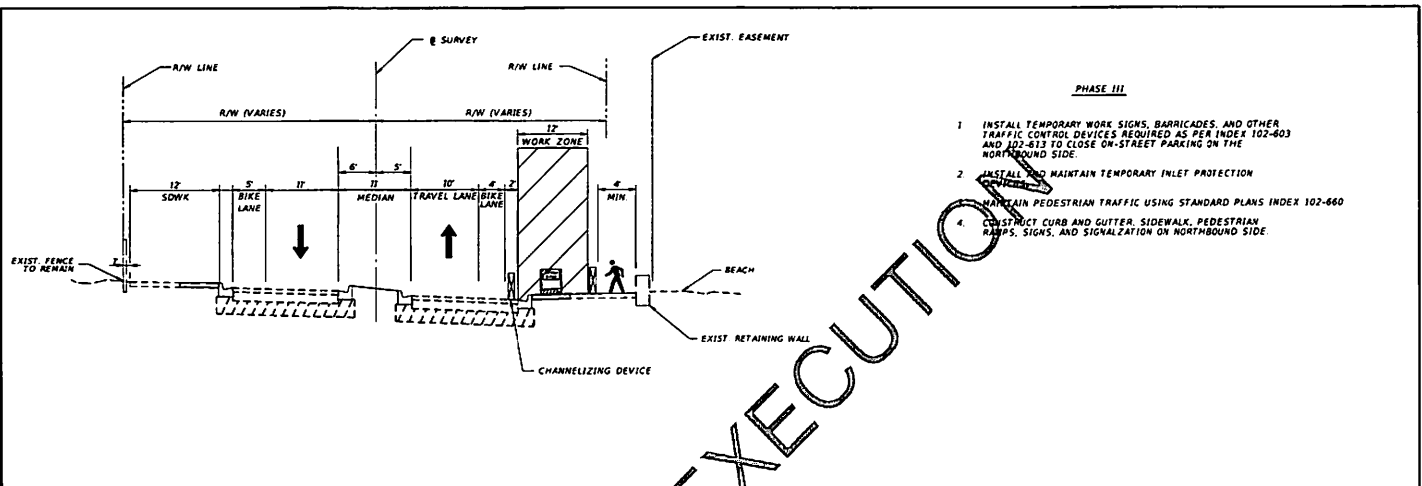
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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO	COUNTY	FINANCIAL PROJECT ID	
			MARK CISELL, P.E. LICENSE NUMBER 80805 CWA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172	SR A1A	BROWARD	452487-1-52-01	11

TEMPORARY TRAFFIC  
CONTROL PLAN

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NOT FOR EXECUTION

1/15/2021 4:12:38 PM 8/206  
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REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
			MARY CISELL, P.E. LICENSE NUMBER 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172	SR A1A	BROWARD	452467-1-52-01	13

**TEMPORARY TRAFFIC  
CONTROL PLAN**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SECTION #: 86050000  
 STATE ROAD: A1A  
 PROJECT #: 452467-1-52-02  
 COUNTY: BROWARD

### EXHIBIT C

#### COST ESTIMATE FOR HARDSCAPE IMPROVEMENTS

This Exhibit forms an integral part of the LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the Florida Department of Transportation and the AGENCY.

ITEM #	ITEM	QNTY	UNIT	UNIT PRICE	COST	COMMENT
523-3	Patterned Pavement, Vehicular Areas	62	SY	\$ 250.00	\$ 15,500.00	New Crosswalk
526-1-2	Pavers, Architectural, Sidewalk	79	SY	\$ 350.00	\$ 27,650.00	New Bulb-Outs
	Contingency (20%)				\$ 8,630.00	
	FDOT Inflation Factor (1.029)				\$ 1,502.00	

#### ANTICIPATED TERMS OF A SEPARATE AGREEMENT

- I. FDOT PARTICIPATION: \$ 0.00
- II. AGENCY PARTICIPATION: \$ 53,282.00  
 (Via Separate Agreement)
- III. APPROXIMATE HARDSCAPE IMPROVEMENT COST: \$ 53,282.00

SECTION #: 86050000  
STATE ROAD: A1A  
PROJECT #: 452467-1-52-02  
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## EXHIBIT D

### PATTERNED PAVEMENT MAINTENANCE

This Exhibit forms an integral part of the MAINTENANCE MEMORANDUM OF AGREEMENT between the Florida Department of Transportation and the AGENCY.

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

1. Within 60 days of project acceptance by the Department, all lanes of each patterned crosswalk shall be evaluated for surface friction. The friction test shall be conducted in accordance with **\*FM 5-592 (Florida Test Method for Friction Measuring Protocol for Patterned Pavements)** using either the Locked Wheel Friction Tester or Dynamic Friction Tester. **All costs for friction testing are the responsibility of the AGENCY.**
2. The initial friction resistance shall be at least **35** obtained at 40 mph with a ribbed tire test (FN40R) or equivalent (see FM 5-592). Failure to achieve this minimum resistance shall require all deficient crosswalk areas to be removed to their full extent (lane-by-lane) and replaced with the same product installed initially. The AGENCY is responsible for all costs associated with the removal and replacement of the crosswalk. If the Department determines that more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the Approved Products List (APL) or replaced with conventional pavement.
3. Approximately **one year** after project acceptance and **every two years** thereafter and for the life of the adjacent pavement, only the outside traffic lane areas of each patterned crosswalk must be tested for friction resistance in accordance with **ASTM E274** or **ASTM E1911**. Friction resistance shall, at a minimum, have a FN40R value of **30** (or equivalent).
4. The results of all friction tests shall be sent to the **Operations Engineer** at the local FDOT District Four Operations Center (Palm Beach Operations, 7900 Forest Hill Blvd., West Palm Beach, FL 33413, (561)432-4966) with a cover letter either certifying that the crosswalks comply with the minimum friction criteria, or stating what remedial action will be taken to restore the friction.
5. Failure to achieve the minimum resistance shall require all lanes of the crosswalk to be friction tested to determine the extent of the deficiency. All deficient areas shall

be removed to their full extent (lane-by-lane) and replaced with the same product installed initially. If the Department determines that more than 50% of the lanes in the intersection require replacement, the entire intersection installation may be reconstructed with a different product on the QPL or replaced with conventional pavement.

6. When remedial action is required in accordance with the above requirements, the local agency shall complete all necessary repairs at its own expense within 90 days of the date when the deficiency was identified. No more than two full depth patterned pavement repairs shall be made to an area without first resurfacing the underlying pavement to 1" minimum depth.
7. The Department will not be responsible for replacing the treatment following any construction activities by the Department in the vicinity of the treatment, or any costs for testing.
8. Should the local agency fail to satisfactorily perform any required remedial work or testing in accordance with this agreement, the Department reserves the right to replace the patterned pavement with conventional pavement (matching the adjacent pavement) and bill the local agency for this cost.

**\*FM 5-592:**

\*\*\*\*\*[fdot.gov/materials/administration/resources/library/publications/fstm/bynumber.shtm](http://fdot.gov/materials/administration/resources/library/publications/fstm/bynumber.shtm)



SECTION #: 86050000  
STATE ROAD: A1A  
PROJECT #: 452467-1-52-02  
COUNTY: BROWARD

**EXHIBIT E**  
**RESOLUTION**

This Exhibit forms an integral part of the LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the Florida Department of Transportation and the AGENCY.

*Please see attached*

*To be provided by Agency*



COMMISSION AGENDA ITEM  
DOCUMENT ROUTING FORM

**RUSH**

Today's Date: 09/19/2024

1C

**DOCUMENT TITLE:** Locally Funded Agreement and Three-Party Escrow Agreement with the Florida Department of Transportation for improvements within the Right-of-Way of State Road A1A south of NE 14<sup>th</sup> Court - (Commission District 2)

**COMM. MTG. DATE:** 9/17/24 **CAM #:** 24-0805 **ITEM #:** CR-3 **CAM attached:** ☒ YES ☐ NO

**Routing Origin:** CAO **Router Name/Ext:** Meralis C/5001 **Action Summary attached:** ☒ YES ☐ NO

**CIP FUNDED:** ☐ YES ☒ NO

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, or fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, or real.

**1) City Attorney's Office:** Documents to be signed/routed? ☒ YES ☐ NO # of originals attached: 1

Is attached Granicus document Final? ☒ YES ☐ NO Approved as to Form: ☒ YES ☐ NO

**Date to CCO:** 9/20/24 Kimberly Cunningham Mosley  
Attorney's Name

Initials

**2) City Clerk's Office:** # of originals: 1 **Routed to:** Donna V./Amber C./CMO **Date:** 09/20/24

**3) City Manager's Office:** **CMO LOG #:** SEP 15 **Document received from:** \_\_\_\_\_

Assigned to: SUSAN GRANT ☐  
CHRIS COOPER ☐

LAURA REECE ☐  
BEN ROGERS ☐

LAURA REECE as CRA Executive Director ☐

☐ APPROVED FOR S. GRANT'S SIGNATURE

☐ N/A FOR S. GRANT TO SIGN

PER AACM: C. Cooper (Initial/Date)

L. Reece (Initial/Date)

B. Rogers (Initial/Date)

☐ **PENDING APPROVAL** (See comments below)

Comments/Questions: \_\_\_\_\_

Forward 1 originals to ☐ Mayor ☒ CCO **Date:** 9/24/24

**4) Mayor/CRA Chairman:** Please sign as indicated. Forward \_\_\_\_\_ originals to CCO for attestation/City seal (as applicable) **Date:** \_\_\_\_\_

**5) City Clerk:** Scan original and forwards 1 originals to: G.Rizzuti-Smith/TAM/x.3764

Attach X certified Reso # 24-185 ☐ YES ☒ NO

Original Route form to Meralis C.

Please attach resolution or provide a copy.  
Thank you.