

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LOCALLY FUNDED AGREEMENT

THIS Locally Funded Agreement ("Agreement"), entered into this _____ day of _____ 20_____, 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 14th 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. _____ dated the _____ day of _____ 20_____, 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. In addition to contacting Ms. Harris, the PARTICIPANT shall send an email notification to 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. _____ ; 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

**STATE OF FLORIDA DEPARTMENT OF
TRANSPORTATION**

By: _____

Dean J. Trantalis, Mayor

_____ day of _____, 20____

By: _____

John P. Krane, P.E.

Director of Transportation Development

By: _____

Susan Grant, Acting City Manager

_____ day of _____, 20____

ATTEST:

APPROVED:

By: _____

David R. Solomon

City Clerk for the City of Fort Lauderdale

By: _____

Francine Steelman

Office of the General Counsel

**APPROVED AS TO FORM AND
CORRECTNESS:**

APPROVED

Thomas J. Ansbro, City Attorney

By: _____

Jesica Rubio

District Program Management Administrator

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)

For PARTICIPANT (signature)

Name and Title

Name

59-3024028
Federal Employer I.D. Number

Title

Date

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 of
electronic
original 2/27/14 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, inc. 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 Bianco, 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 *DAT*

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 25th 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 JP 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:

Dianshan Williams-Persad
DIANSJHAN WILLIAMS-PERSAD
Assistant City Attorney

DEPARTMENT:

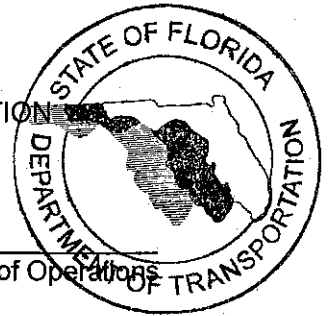
DEPARTMENT:

ATTEST:

Maria Ant
Executive Secretary
(SEAL)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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



Approval as to Form:

By Dawn Raduano
Dawn Raduano, District General Counsel

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

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 9th 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 18th 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 18th 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.

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

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

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

EXHIBIT C

CONSTRUCTION PLANS (attached)

Sheets Included:

PDF Page Number (#)	Plan Sheet (#)	Sheet(s) Description
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

ROADWAY PLANS
SIGNING-AND-THEMEMENT-MARKING-PLANS
SIGNIFICATION-PLANS
LIGHTING PLANS
LANDSCAPE-PLANS
STRUCTURES PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

SHEET NO. **SHEET DESCRIPTION**

- 1 KEY SHEET
- 24 SUMMARY OF PAY ITEMS
- 39 DRAINAGE W/S
- 49 TYPICAL SECTION
- 104 SUMMARY OF QUANTITIES
- 114 SUMMARY OF DRAINAGE STRUCTURES
- 144 OPTIONAL MATERIALS TABULATION
- 15 GENERAL NOTES AND PAY ITEM NOTES
- 16-27 PLAN
- 28-29 INTERSECTION DETAILS
- 30-34 PROFILE
- 35-32 DRAINAGE STRUCTURES
- 53 DRAINAGE DETAILS
- 104-103 CULVERT SECTIONS
- 104-106 STORMWATER POLLUTION PREVENTION PLAN
- 106-103 TRAFFIC CONTROL PLAN
- 106-105 UTILITY ADJUSTMENTS
- 104-105 ROADWAY SOIL SURVEY
- 604-603 REPORT OF SOIL BORINGS
- 604-604 REPORT OF SPT BORINGS
- 604-603 PROJECT SURVEY CONTROL
- UTM-1 UTM-3 VERIFIED UTILITY LOGS
- UTM-6 SUMMARY OF REQUIRED UTILITIES

GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, 2014 Design Standards and
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:

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/>

BIDABILITY SUBMITTAL

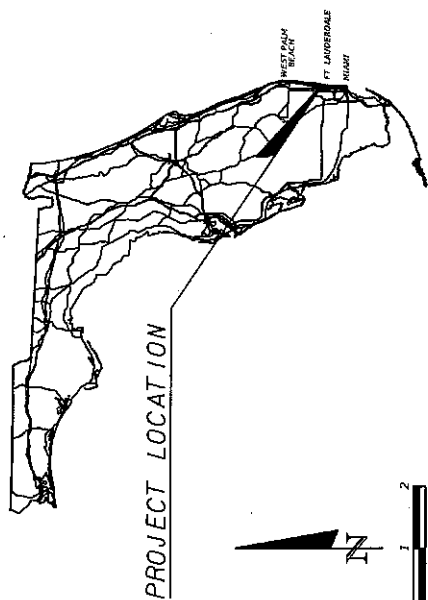
SUBJECT TO REVISION

CONTRACT PLANS

FINANCIAL PROJECT ID 433688-4-52-01

BROWARD COUNTY (86050)

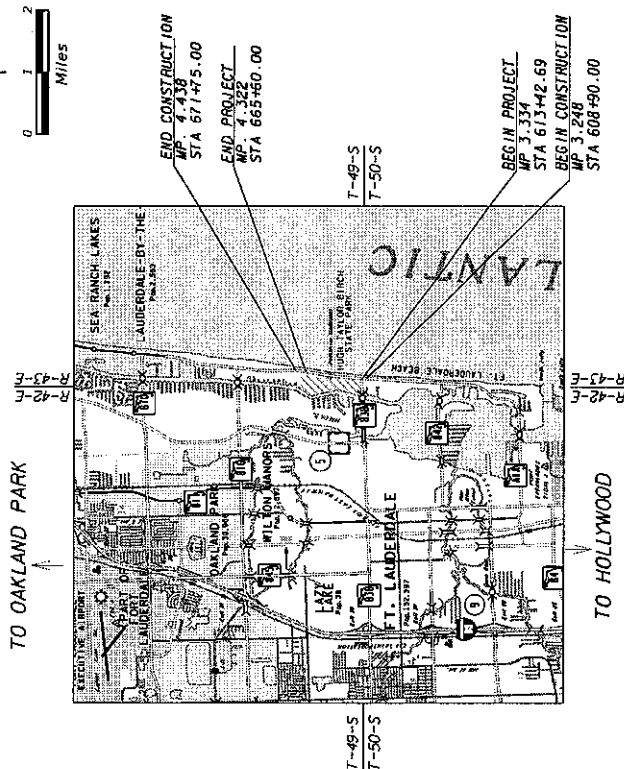
STATE ROAD A1A



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
MORAYMA OCHOA
DISTRICT IV STRUCTURES OFFICE
33400 WEST COMMERCIAL BLVD.
FORT LAUDERDALE, FL 33309

PLANS PREPARED BY:
DESIGN SECTION 2
3400 WEST COMMERCIAL BLVD.
FT. LAUDERDALE, FL 33309

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



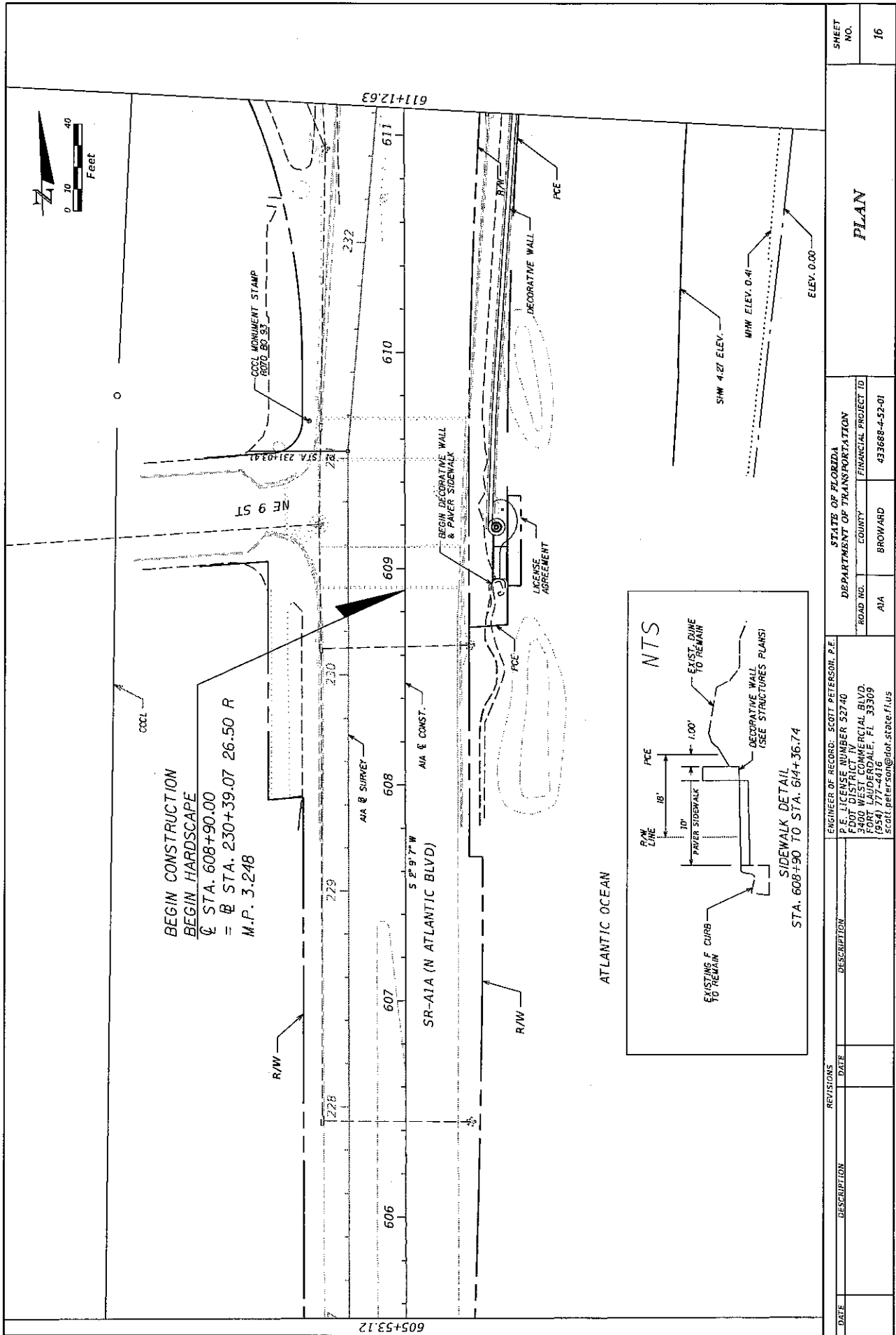
LENGTH OF PROJECT			MILES
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BRIDGES		N/A	N/A
NET LENGTH OF PROJECT		5,217.31	0.908
EXCEPTIONS		N/A	N/A
GROSS LENGTH OF PROJECT		5,217.31	0.908

FDOT PROJECT MANAGER: SCOTT PETERSON, P.E.

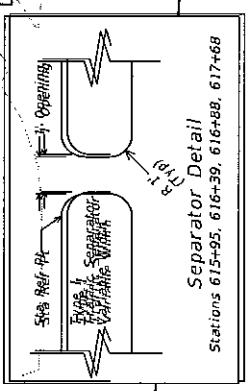
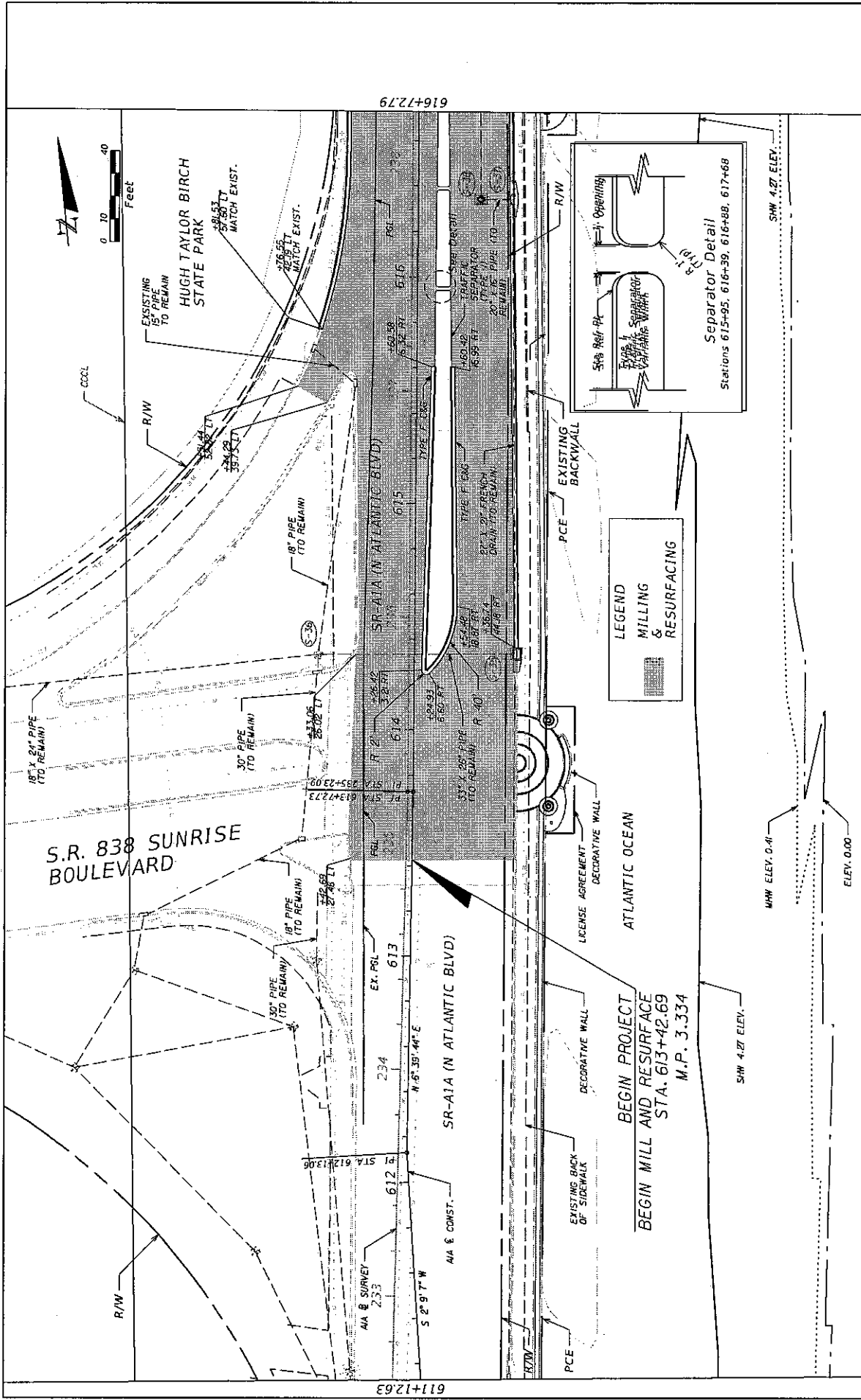
KEY SHEET REVISIONS	
DATE	DESCRIPTION

P.E. NO.: 52740

FISCAL YEAR	14
SHEET NO.	1



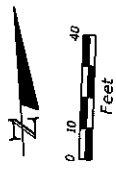
REVISIONS		DESCRIPTION		DATE	
DATE		DESCRIPTION		DATE	
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SHEET NO.		PLAN		SHEET NO.	
16				16	



LEGEND
 MILLING
 &
 RESURFACING

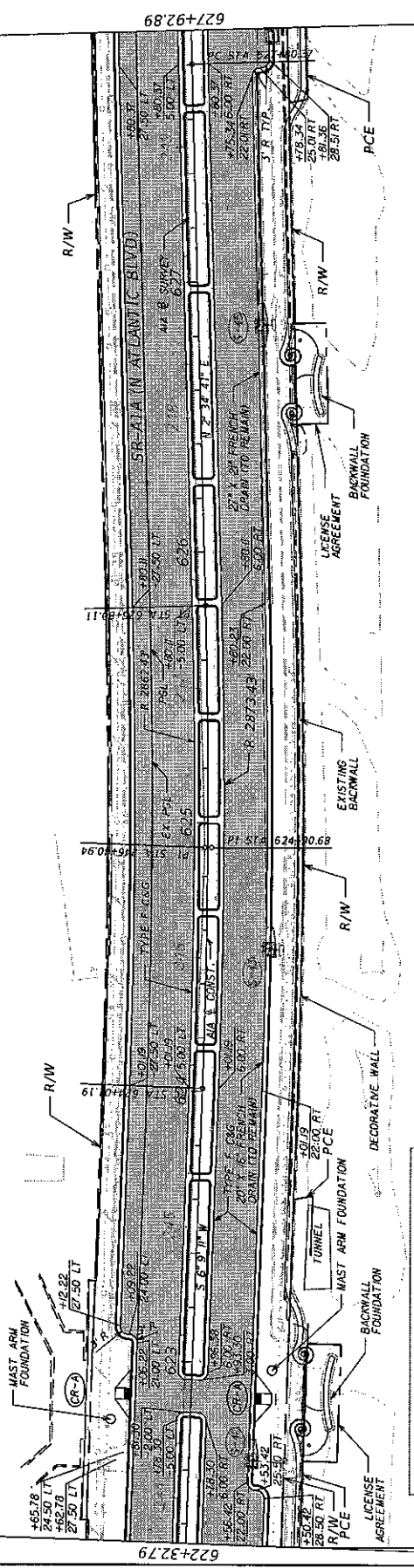
BEGIN PROJECT
BEGIN MILL AND RESURFACE
 STA. 613+42.69
 M.P. 3.334

REVISIONS				ENGINEER OF RECORD: SCOTT PETERSON, P.E.				STATES OF FLORIDA				SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. LICENSE NUMBER 52740				DEPARTMENT OF TRANSPORTATION				
				FOOT DISTRICT N <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> <td rowspan="2">17</td>				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	17	
				FOOT WEST COMMERCIAL BLVD. <td>A1A</td> <td>BROWARD</td> <td>433688-4-52-01</td>				A1A	BROWARD	433688-4-52-01		
				FOOT WEST COMMERCIAL BLVD.								
				FOOT WEST COMMERCIAL BLVD.								
				(954) 777-4416								
				scott.peterson@dot.state.fl.us								
								SOURCES				
								STILES				
								PLAN				



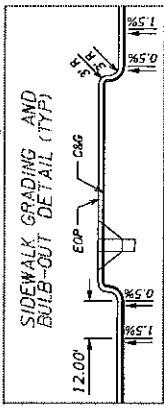
HUGH TAYLOR BIRCH STATE PARK

PARK ENTRANCE



ATLANTIC OCEAN

LEGEND
MILLING
&
RESURFACING



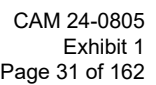
CURVE DATA CLAI-A-1
PI STA. = 624+90.68
D = 32.34' (LT)
T = 89.49'
L = 77.87'
PC STA. = 624+01.19
PT STA. = 625+79.17

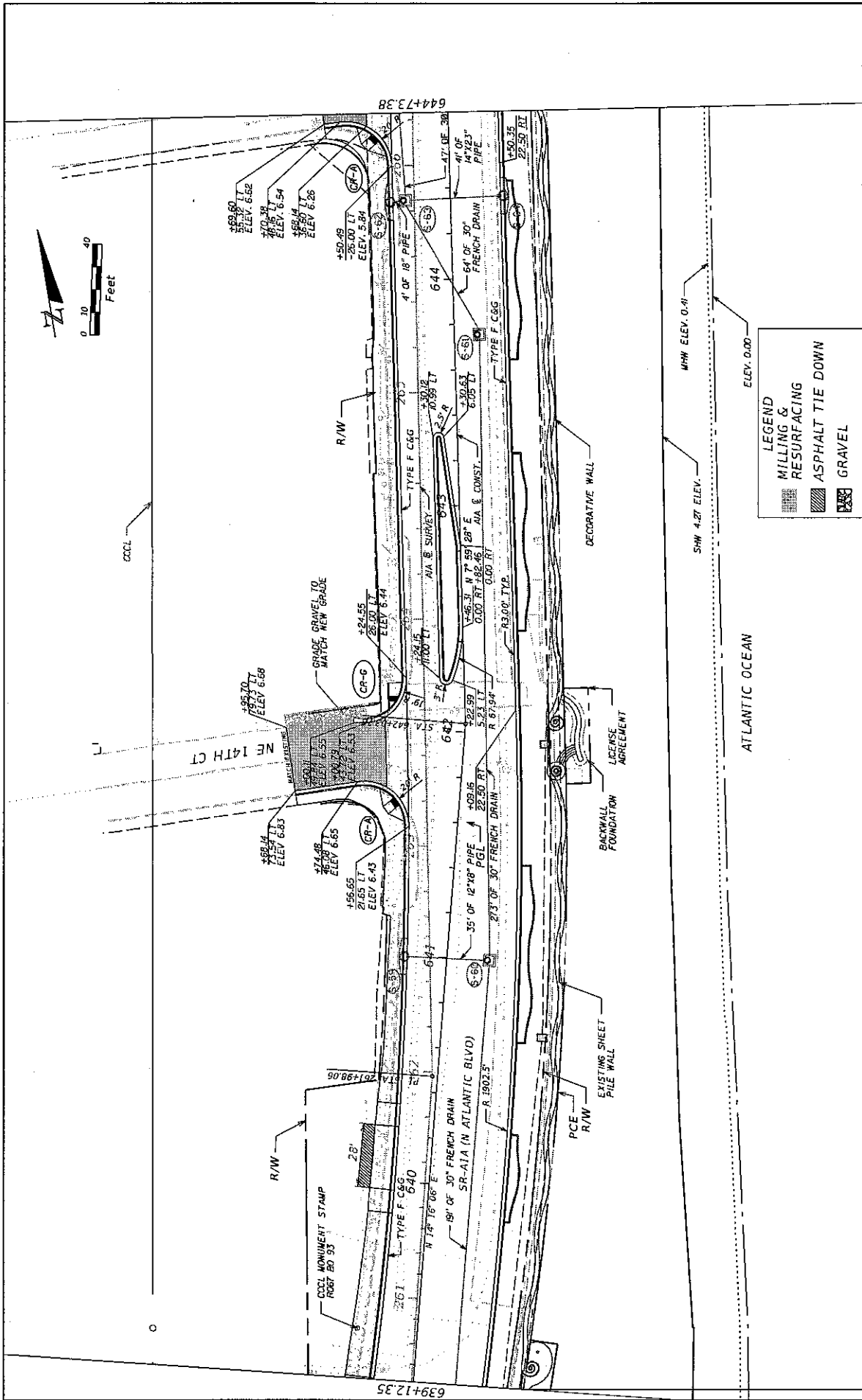
SWH ELEV. 4.27

MHW ELEV. 0.41

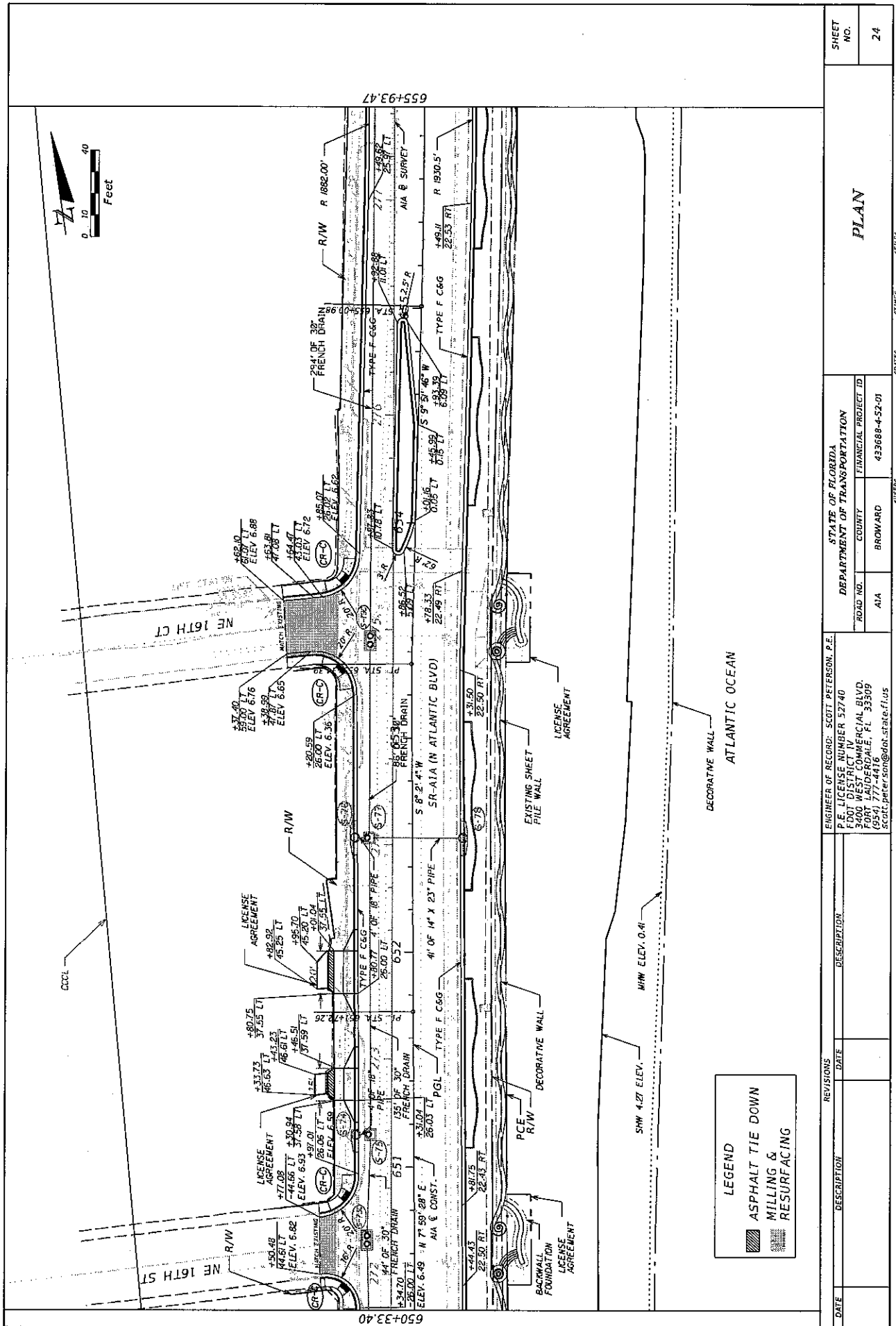
ELEV. 0.00

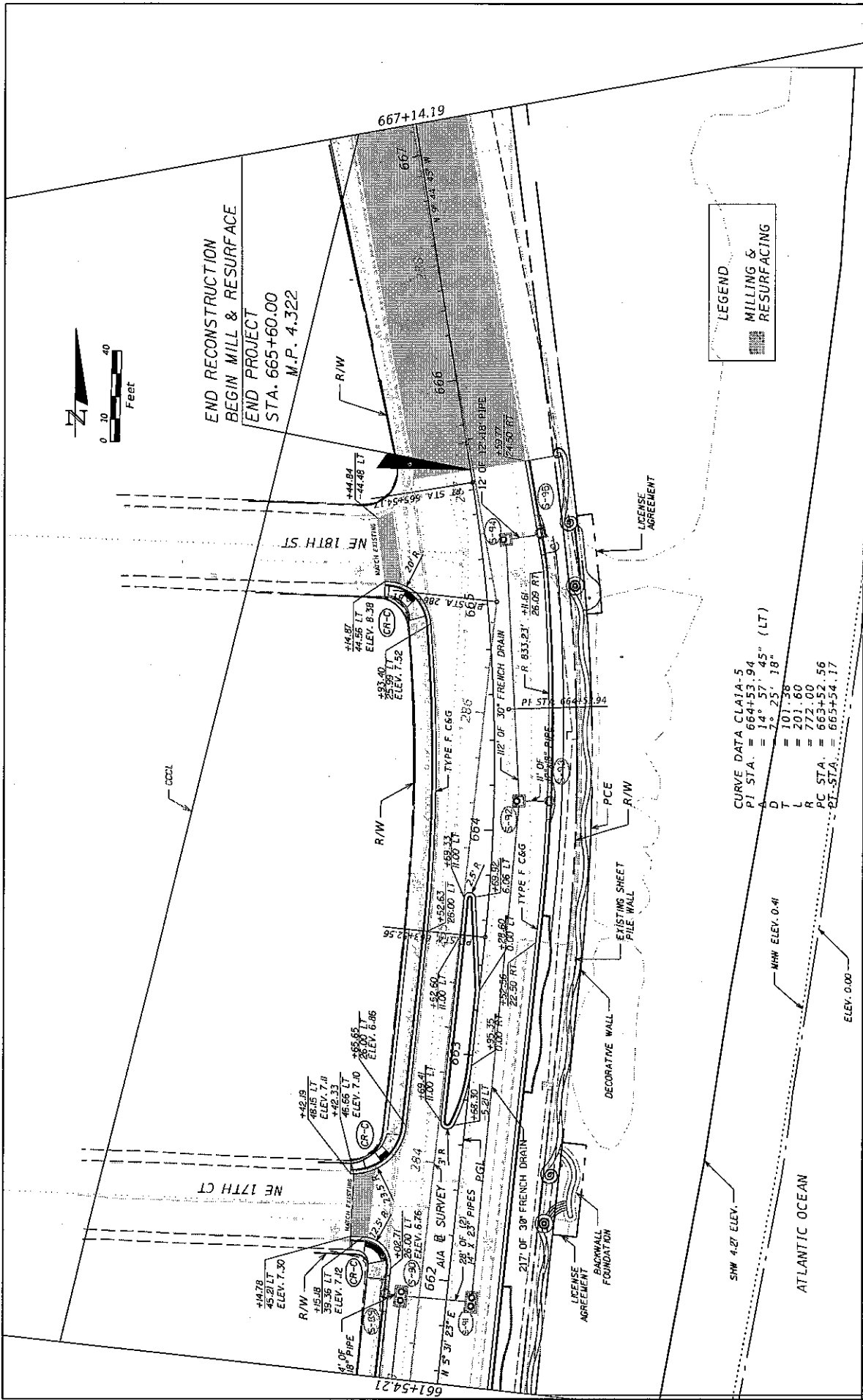
REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
<div> <div> STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION </div> <div> ROAD NO. COUNTY AIA BROWARD </div> <div> FINANCIAL PROJECT ID 433688-4-52-01 </div> </div>			
<div> <div> ENGINEER OF RECORD: SCOTT PETERSON, P.E. P.E. LICENSE NUMBER 52140 FDOT DISTRICT IV 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309 (954) 774-4416 scott.peter@dot.state.fl.us </div> <div> SHEET NO. 19 </div> </div>			





		REVISIONS		ENGINEER OF RECORD: SCOTT PETERSON, P.E.		STATES OF FLORIDA		PLAN	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION	P.E. LICENSE NUMBER 57140		DEPARTMENT OF TRANSPORTATION			
				FOOT DISTRICT IV 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309 (954) 777-4416 scott.peterson@dot.state.fl.us		ROAD NO. A1A	COUNTY BROWARD		





LEGEND
 MILLING & RESURFACING

CURVE DATA CLAI1A-5
 PI STA. = 664+53.94
 A = 14° 57' 45" (LT)
 D = 7° 25' 18"
 T = 101.38
 L = 201.60
 R = 772.00
 PC STA. = 663+52.56
 PT STA. = 665+54.17

REVISIONS		STATE OF FLORIDA	
DATE	DESCRIPTION	DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID
		ROAD NO.	433688-4-52-01
		COUNTY	BROWARD
		AIA	
ENGINEER OF RECORD: SCOTT PETERSON, P.E.		SHEET NO.	
P.E. LICENSE NUMBER 52740		26	
FDOT DISTRICT IV			
3400 WEST COMMERCIAL BLVD.			
FORT LAUDERDALE, FL 33309			
(954) 444-1616			
scott.peterson@dot.state.fl.us			

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 433688-4-52-01

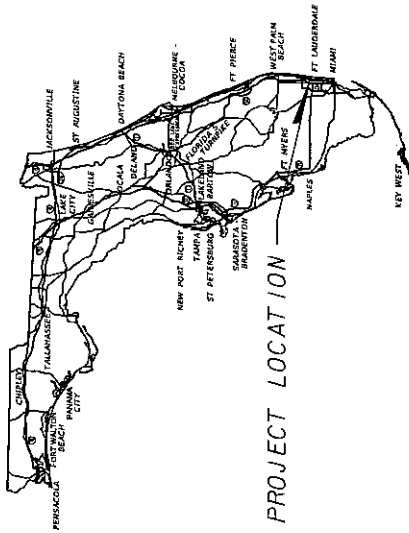
BROWARD COUNTY (86050)

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:

ALAN M. KHAN, P.E. FLORIDA, INC.
1402 ROYAL PALM BEACH, SUITE 500
ROYAL PALM BEACH, FL. 33411

PLANS PREPARED BY:

EROMAN ANTHONY OF FLORIDA, INC.
1402 ROYAL PALM BEACH, SUITE 500
ROYAL PALM BEACH, FL. 33411

CONTRACT NO. 80289
VENUE NO. 80-003034
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: ALAN M. KHAN, P.E.

P.E. NO.: 61004

FISCAL YEAR	SHEET NO.
14	L-1

FDOT PROJECT MANAGER: SCOTT PETERSON, P.E.

11/18/2013 10:42:25 AM P:\R&L\A\33688-4-52-01\Lighting\Sheet L-1.dwg

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	158	757	1910	1777	1907	1889	1917	2044	1950	1706	1112					17127				17127				
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	522	531	522	601	536	564	529	535	531	384					5453				5453				
633-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD 97-144 FIBERS (WALL MOUNT)	LF	227	564	592	582	588	572	590	583	585	589	444					5938				5938				
635-2-11	PULL & SPICE BOX, F&I, 13" x 24" COVER SIZE	EA	0	1	10	8	11	8	12	17	21	18	13					119				119				
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR <	LF	569	1765	1941	1764	1992	1954	1829	2007	2011	1786	1472					19091				19091				
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	600	2209	5888	3989	5591	4722	5295	5913	6801	5155	4592					50856				50856				
715-1-13	LIGHTING CONDUCTORS, F&I, 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				
715-310-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I, (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, F&I, SECONDARY VOLTAGE	EA	0	0	1	0	1	0	0	0	1	0	1					4				4				
715-11-119	LUMINAIRE, F&I, ROADWAY, SPECIAL (11ED SEA WALL)	EA	3	9	10	9	9	9	9	10	9	9	9					94				94				
							</																			

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

BISHOP ANTHONY OF FLORIDA, INC. BISHOP ANTHONY, P.E. LICENSE NUMBER 8004 10000 N. W. 11TH AVENUE, SUITE 100 MIAMI, FL 33150 PHONE 561-253-9733 FAX 561-253-9733 CERTIFICATE OF AUTHORIZATION 25912				ROAD NO. COUNTY AIA BROWARD	FINANCIAL PROJECT ID 433688-4-52-01	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION TABULATION OF QUANTITIES	SHEET NO. L-2
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1/17/2013 10:52:38 AM K:\0819-17-41\supp\m\433688-4-52-01\figing1.tbl 19.15m

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES PRIOR TO ANY UNDERGROUND WORK. THE UTILITY COMPANY WILL LOCATE AND IDENTIFY THEIR FACILITIES.

UTILITY OWNERS:

COMPANY	CONTACT	TELEPHONE NUMBER
AT&T FLORIDA	OTIS KERVE	954-722-2640
BROWARD CO. - TRAFFIC DIVISION	SHARON GROSS	954-847-2641
BROWARD CO. - WATER & WASTEWATER	DAVID J. O'CONNOR	954-831-0910
CITY OF COCONUT CREEK	RAJ VERMA	954-973-6786
CITY OF MARGATE	SAM MAY	954-972-8126
FLORIDA DISTRIBUTION	LEONARD MAXWELL-NEUBOLD	954-447-8405
FLORIDA GAS TRANSMISSION	JOSEPH AUGUSTIN	954-438-2000
FLORIDA GAS TRANSMISSION	JOSEPH SANCHEZ	954-453-0805
TECO PEOPLES GAS	MAX CHANDRO	954-453-0812

2. MAINTAINING AGENCIES ARE THE CITY OF FORT LAUDERDALE - SCOTT SUNDERMEIER 1934-828-3201.

3. ALL CONNECTIONS SHALL BE MADE IN THE PULL BOX NEXT TO THE BASE OF THE LIGHT POLES UTILIZING THE WATERPROOF POLE CABLE DISTRIBUTION SYSTEM. CONNECTION TO THE GROUND ROD INSIDE THE PULL BOX SHALL BE CAD WELDED. ALL OTHER CONNECTIONS SHALL USE APPROVED CABLE CONNECTORS. PCOS SHALL BE IP-68 RATED.

4. THE LOCATIONS OF THE NEW LIGHT POLES MAY BE SHIFTED BY THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS AND/OR EXISTING UTILITIES.

5. ALL CONDUIT TRENCHES SHALL BE BACK FILLED COMPLETELY TO PROVIDE SAFE CROSSING BY CONDUIT. EACH WORKING DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, THE CONTRACTOR SHALL NOT OPEN ANY AREA THAT CAN NOT BE BACK FILLED IN THE SAME DAY/NIGHT OPERATION.

6. THE CONTRACTOR SHALL NOTIFY FLORIDA POWER AND LIGHT CO. (FPL&L) AT LEAST 48 HOURS (2 WORKING DAYS) PRIOR TO ANY INSTALLATION THAT IS WITHIN 10 FEET OF ENERGIZED ELECTRICAL CONDUCTORS, FLORIDA POWER AND LIGHT CO. (AT IT'S OPTION), MAY ASSIST THE CONTRACTOR IN THE INSTALLATION OF THE LIGHT POLES. THE CONTRACTOR SHALL TAKE ALL OTHER SAFETY PRECAUTIONS AS NECESSARY. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY HIGH VOLTAGE COMPONENTS.

7. ALL MATERIALS SHALL BE NEW AND "UL" LISTED AS APPLICABLE

8. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LEVEL OF ILLUMINATION ON THE TRAVELED ROADWAY THROUGHOUT CONSTRUCTION AND SHALL COORDINATE REMOVAL WITH INSTALLATION.

9. FURNISH AND INSTALL AN ALUMINUM IDENTIFICATION TAG ON EACH NEW ROADWAY LIGHTING POLE. THESE TAGS SHALL BE COORDINATED WITH THE MAINTAINING AGENCY PRIOR TO ORDERING. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY OF THE IDENTIFICATION TAGS AS FOLLOWS: 1" X 4" ALUMINUM PLATE WITH THE MAINTAINING AGENCY PROVIDE A TAG AND ATTACHED RIVETS (NO SCREWS) & BE MOUNTED VERTICALLY 1" FROM BASE IDENTIFICATION TAGS SHALL BE INCLUDED IN THE BID ITEMS FOR POLE COMPLETE.

10. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. THESE MUST SPECIFICALLY INCLUDE:

- A) LUMINAIRE PHOTO METRICS
- B) POLE STRENGTH CALCULATIONS
- C) LOAD CENTER ELECTRICAL EQUIPMENT

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POWER TO THE LOAD CENTERS AND ALL EXISTING TEMPORARY AND PROPOSED LIGHTING FIXTURES DURING ALL PHASES OF CONSTRUCTION UNTIL FINAL ACCEPTANCE BY THE FOOT.

12. SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUT SHOWING HORIZONTAL FOOT CANDLES TO BE OBTAINED USING THE SUBMITTED LUMINAIRES. THIS DATA SHALL BE OBTAINED FROM THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOT CANDLES LEVELS ON THE ROADWAY WITH AN APPROVED, CURRENT-CALIBRATED LIGHT METER.

13. ALL CURRENT CARRYING COMPONENTS SHALL BE OF COPPER CONSTRUCTION AND PROVIDE FULL RATED NEUTRAL 80S AND GROUND BUS.

14. ALL ENCLOSURE(S) SHALL BE SIZED TO ACCOMMODATE ALL SPECIFIED EQUIPMENT MAINTAINING NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 MINIMUM CLEARANCES.

15. ENDS OF CONDUITS SHALL BE SEALED WITH ELECTRICIANS PUTTY AFTER WIRING IS COMPLETED.

16. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACK AND MEET MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY NEC OR NESC FOR CABLE USED.

17. ALL PULL BOX COVERS SHALL BE BOLTED TO PULL BOX.

18. BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE 4 SETS OF AS BUILT PLANS TO THE MAINTAINING AGENCY AND TO FOOT'S BROWARD OPERATIONS SIGNALIZATION AND LIGHTING COORDINATOR AT ANDREW ROBERTSON, STATE FLUUS TO HELP PERFORM "SERVICE TAP INSPECTIONS" AS PART OF FINAL ELECTRICAL INSPECTION.

PAY ITEM NOTES:

- 630-2-11 PAYMENT FOR CONDUIT SHALL BE BASED ON THE HORIZONTAL PATH OF THE INSTALLED CONDUIT BETWEEN THE CENTERS OF PULL BOXES, CABINETS ETC. NO ALLOWANCE SHALL BE MADE FOR THE LENGTH OF CONDUIT RUNS IN A SINGLE TRENCH, AS SHOWN ON PLANS.

- 630-2-12 INCLUDES ALL MATERIALS AND INSTALLATION COSTS. THE WORK INCLUDES A SINGLE LINE AS SPECIFIED ON PLANS SHEETS. DEPTH OF BORING WILL BE OBTAINED TO ENSURE AT LEAST 10 FEET VERTICAL CLEARANCE FROM ANY EXISTING CONFLICTING UNDERGROUND UTILITIES.

- 633-1-114 FIBER OPTIC FOR LED STRING LIGHT FOR THE SEA WALL. INCLUDES FURNISHING & INSTALLING CONDUITS, FIBER OPTIC (100 FIBER) AND ALL OTHER APPURTENANCES TO THE WALL. RELATED TO LED STRING LIGHTS TO BE SPECIFIED IN THE TSP.

- 635-2-11 INCLUDES COST OF PROVIDING CONCRETE SLAB AROUND PULL BOXES.

- 715-1-12 PAYMENT FOR CONDUCTORS SHALL BE MADE BASED ON THE LINEAR FEET OF A SINGLE CONDUCTOR. THE CONTRACTOR SHALL PROVIDE ALL ALLOWANCE SHALL BE MADE FOR CONNECTION IN PULL BOXES AND CABINETS.

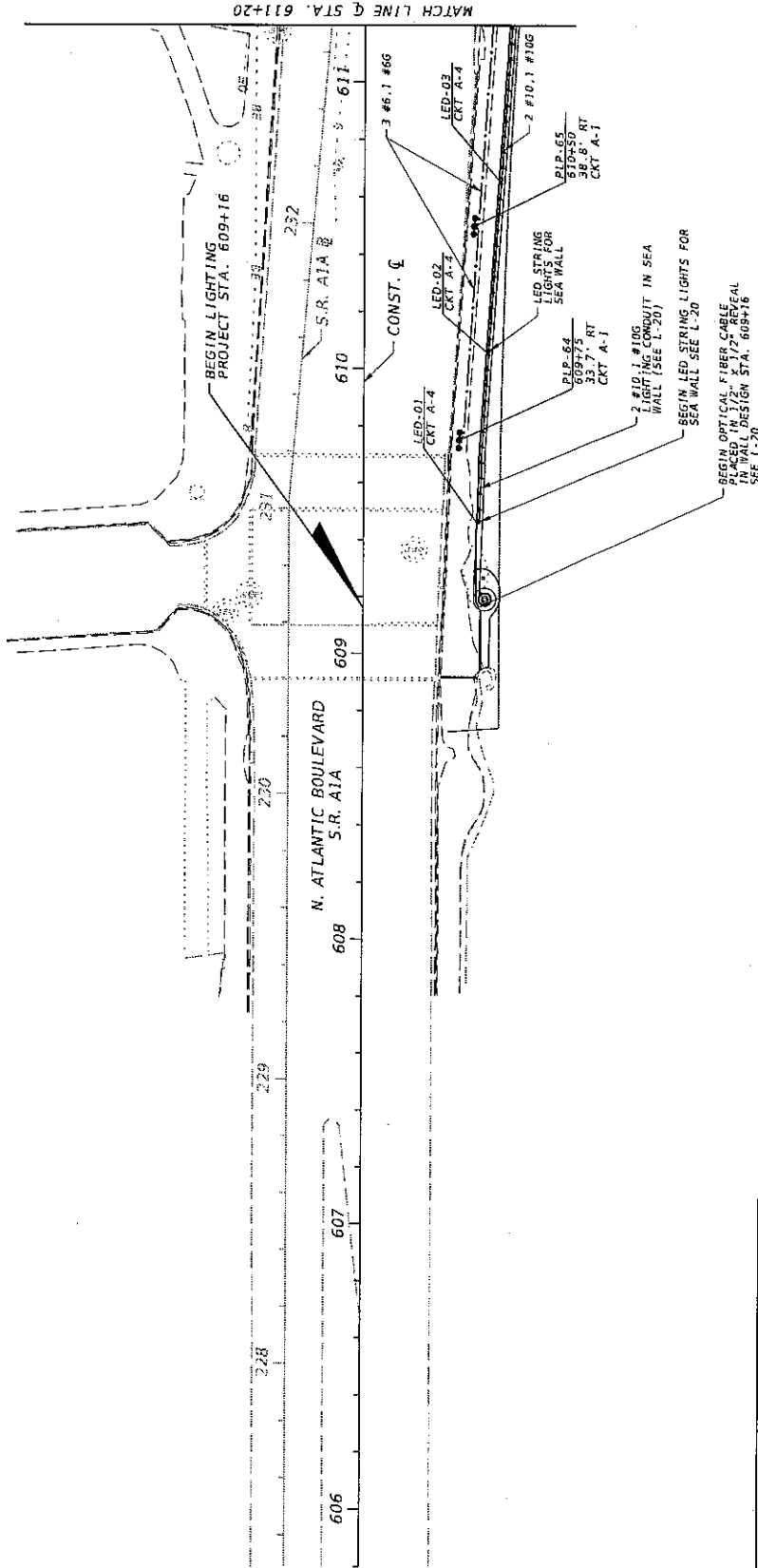
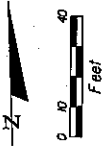
- 715-518-315 INCLUDES PAYMENT FOR FOUNDATION AS SHOWN ON SHEET L-17 INCLUDING ANY ADDITIONAL COST TO CONSTRUCT FOUNDATIONS IN CONFLICT WITH THE EXISTING WALL FOUNDATION AS SHOWN ON SHEET L-18.

- 715-7-11 INCLUDES ANY REQUIRED FEE BY FPL TO INCLUDE ALL COSTS INCURRED BY FOOT DETAIL AND PLAN DETAIL SHEET L-19.

- 715-11-119 LED STRING LIGHT ILLUMINATORS FOR THE SEA WALL. INCLUDES FURNISHING & INSTALLING 40W LED ILLUMINATORS AND RELATED APPURTENANCES TO BE SHOWN ON THE PLANS AND SPECIFIED IN THE TSP.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		GENERAL NOTES		SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	L-3	
A1A	BROWARD	433688-4-52-01		
PROJECT		11/19/2013 10:02:23 AM 6-240181-17-ALLEGRAHAY13888432N/gtmg-shm1301-200		
FROM: ANTHONY OF FLORIDA, INC. 1002 ROYAL PALM BEACH BLVD., SUITE 300 ROYAL PALM BEACH, FL 33411 TEL: 561-833-9933 FAX: 561-833-9933 CERTIFICATE OF AUTHORIZATION 2302				

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)	158	LF
630-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD 92-144 FIBERS (WALL MOUNT)	158	LF
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO 10 OR <	227	LF
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 8 OR <	569	LF
715-1-13	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I (DOUBLE ARMS, POLE TOP MOUNT, CONCRETE POLE)	600	LF
715-1-14	LUMINAIRE, F&I, ROADWAY, SPECIAL (LED SEA WALL)	2	EA
715-1-15		3	EA

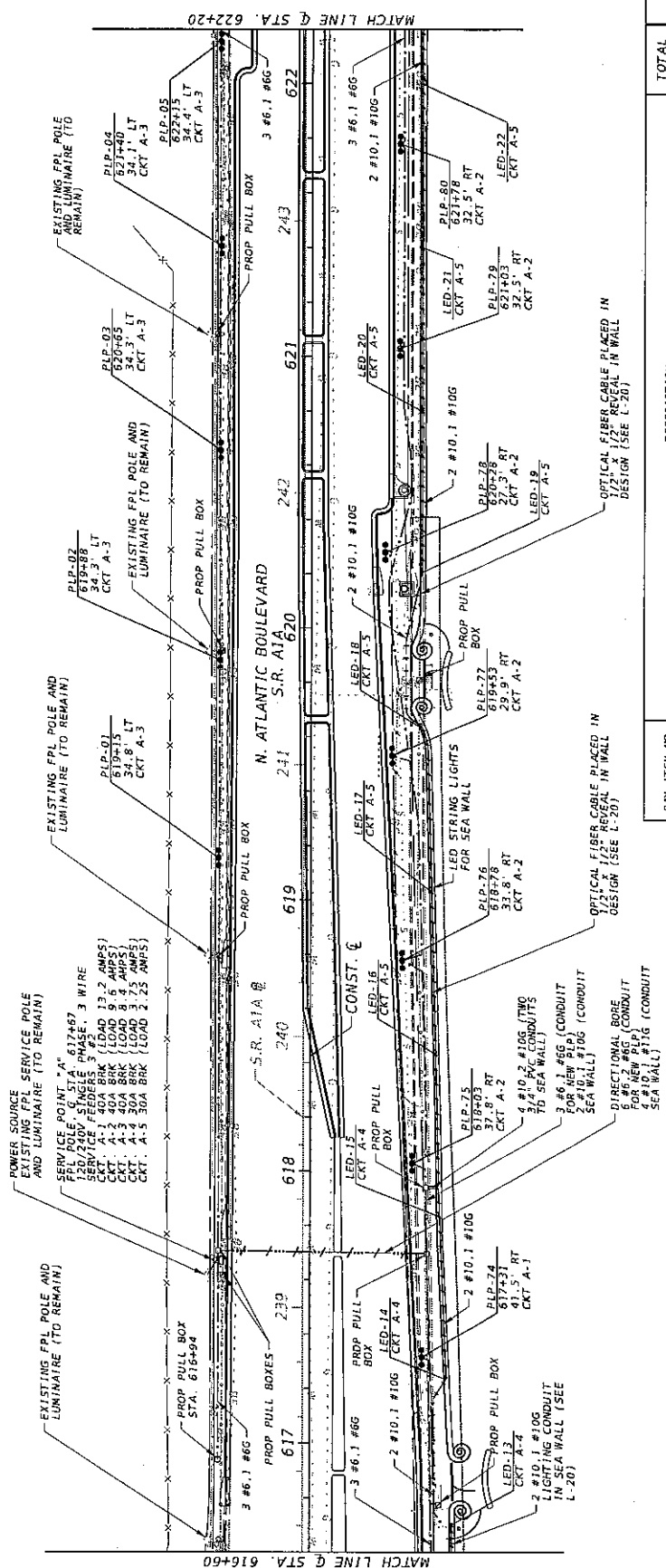
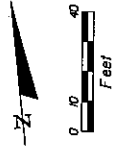


FPL POLE WITH LUMINAIRES MARKED HERE ARE, IN GENERAL, LOCATED AT THE CENTERLINE OF THE ROADWAY. ANY WORK THAT MAY BE REQUIRED ON FPL OWNED LIGHTING EQUIPMENT WILL BE DONE BY FPL.

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

DATE		DESCRIPTION		REVISIONS	
BROWARD COUNTY OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433688-4-57-01					
SHUMAN HIGHWAY OF FLORIDA, INC. 1400 ROYAL PALM BEACH BLVD., SUITE 500 ROYAL PALM BEACH, FL 33411 PHONE: 561-843-9723 FAX: 561-843-9724 CERTIFICATE OF AUTHORIZATION 3502					
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433688-4-57-01				SHEET NO. L-5	

630-2-11 ITEM INCLUDES: 643 LF OF ADDITIONAL CONDUIT FOR EXISTING SPARE CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS.

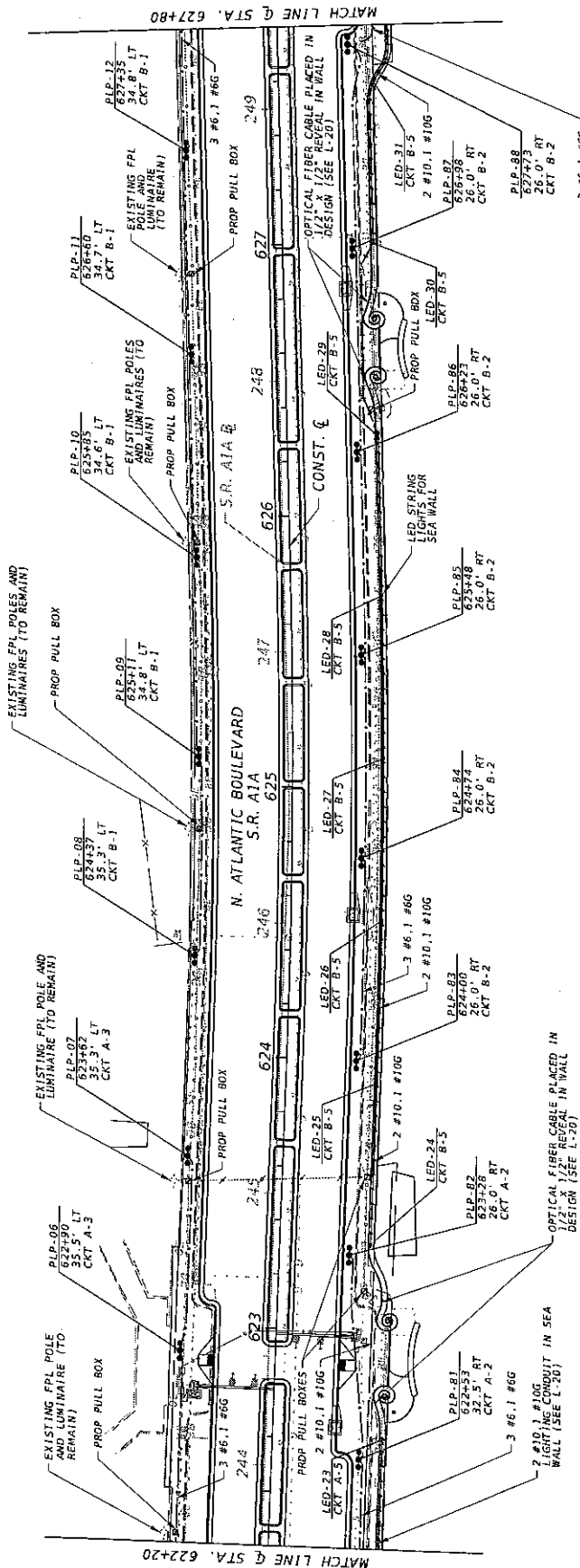


FPL POLE WITH LUMINAIRES MARKED HERE ARE, IN GENERAL, NOT TO BE CONSIDERED AS REQUIRED FOR CONSTRUCTION. ANY WORK THAT MAY BE REQUIRED ON FPL OWNED LIGHTING EQUIPMENT WILL BE DONE BY FPL.

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

PAY ITEM NO.	DESCRIPTION	TOTAL		UNIT
		L-7	L-7	
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	1910	1910	LF
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	88	88	LF
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)	531	531	LF
633-1-114	FIBER OPTIC CABLE, F61, OVERHEAD 97-144 FIBERS (WALL MOUNT)	592	592	LF
635-2-11	PULL & SPLICE BOX, F61, 13" x 24" COVER SIZE	10	10	EA
715-1-11	LIGHTING CONDUCTORS, F61, INSULATED, NO. 10 OR <	1941	1941	LF
715-1-12	LIGHTING CONDUCTORS, F61, INSULATED, NO. 8-6	5888	5888	LF
715-518-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, NO. B-6	12	12	EA
715-7-11	LOAD CENTER, F61, SECONDARY VOLTAGE	1	1	EA
715-11-119	LUMINAIRE, F61, ROADWAY, SPECIAL (LED SEA WALL)	10	10	EA

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 433688-4-52-01	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
A1A	BROWARD	433688-4-52-01	
DATE		DESCRIPTION	REVISIONS
SHEET NO. L-7			



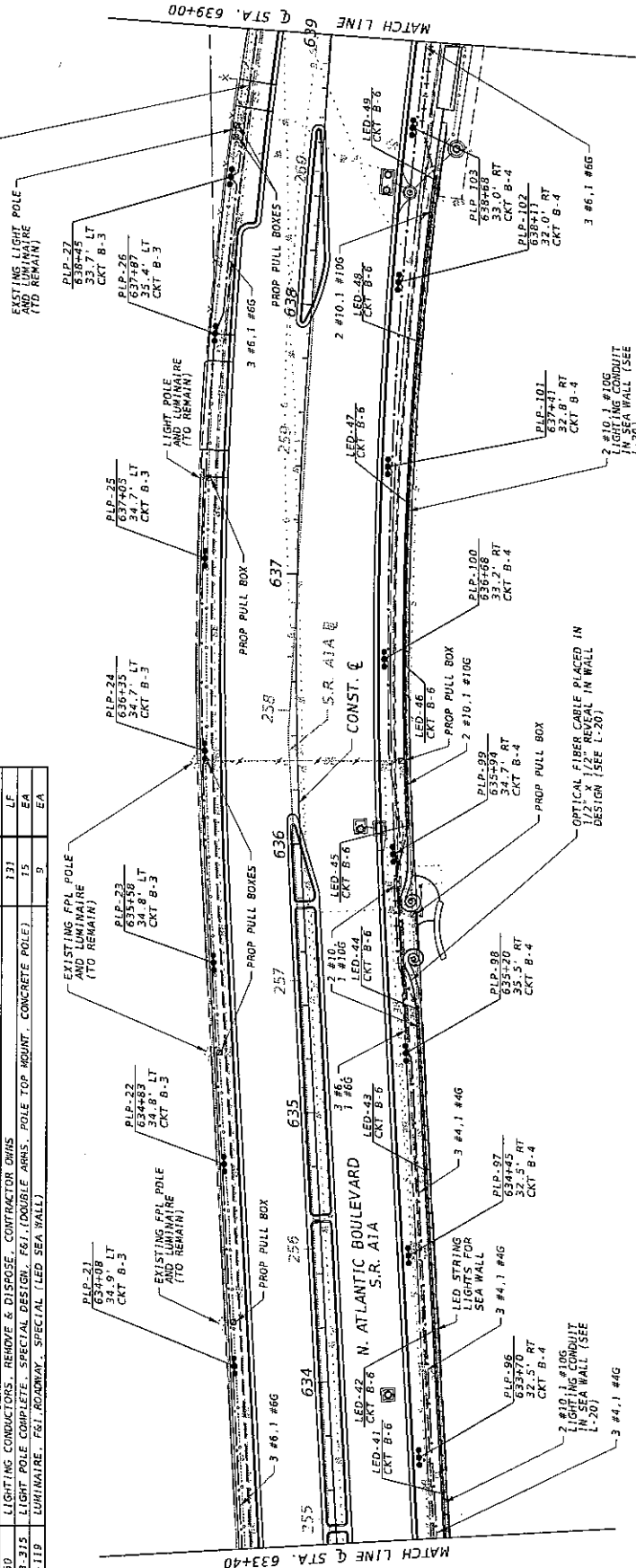
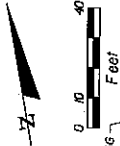
ALL LIGHT POLE STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION CENTERLINE.

630-2-1) ITEM INCLUDES: 699 LF OF ADDITIONAL CONDUIT FOR EXISTING SPARE CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS.

		ERDMAN ANTHONY OF FLORIDA, INC. 802 ROYAL PALM BEACH BLVD., SUITE 200 PALM BEACH, FL 33480 TEL: 561-835-9223 FAX: 561-835-9273 CERTIFICATE OF AUTHORIZATION 23312		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY A1A BROWARD 433688-452-01		LIGHTING PLAN		SHEET NO. L-8
REVISIONS								
DATE	DESCRIPTION	DATE	DESCRIPTION					

PAY ITEM NO.	DESCRIPTION	TOTAL		UNIT
		L-10	EA	
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH			LF
630-2-12	CONDUIT, FURNISH & INSTALL, ABOVE GROUND (WALL MOUNT)			LF
633-2-14	FIBER OPTIC CABLE, F61, OVERHEAD 97-144 FIBERS (WALL MOUNT)			LF
635-2-11	PULL & SPlice BOX, F61, 13" X 24" COVER SIZE			EA
715-1-11	LIGHTING CONDUCTORS, F61, INSULATED, NO. 10 OR <			LF
715-1-12	LIGHTING CONDUCTORS, F61, INSULATED, NO. 8-6			LF
715-1-13	LIGHTING CONDUCTORS, F61, INSULATED, NO. 4 TO NO. 2			LF
715-518-315	LIGHT POLE COMPLETE, SPECIAL DESIGN, F61, DOUBLE ARM, POLE TOP MOUNT, CONCRETE POLE			EA
715-11-119	LUMINAIRE, F61, ROADWAY, SPECIAL (LED SEA WALL)			EA

630-2-11 ITEM INCLUDES: 600 LF OF ADDITIONAL CONDUIT FOR EXISTING SPARE CONDUIT RUN AND EXISTING LIGHTING CONDUIT RUN THAT CONFLICTS WITH PROPOSED LIGHT POLE LOCATIONS. 715-119 ITEM INCLUDES: 12 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.

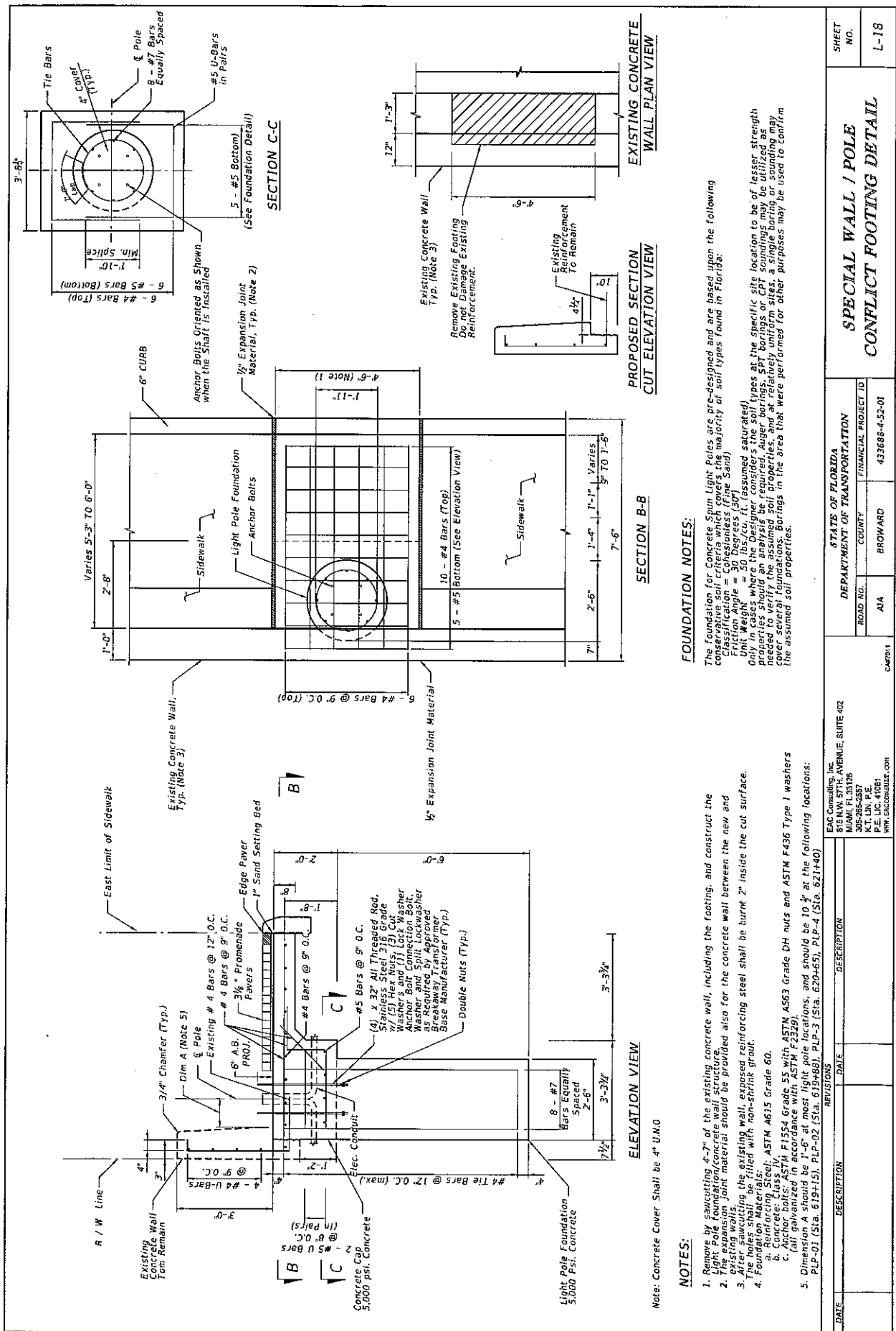
DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID A1A BROWARD 433668-4-52-01									
EDMAN ARTHUR OF FLORIDA, INC. 1402 ROYAL PALM BEACH BLVD. SUITE 500 PALM BEACH, FL 33406 PHONE 561-838-9723 FAX 561-838-9724 CERTIFICATE OF AUTHORIZATION 3302									
SHEET NO.		LIGHTING PLAN		11/15/2013		10-2013		10-2013	
L-10									

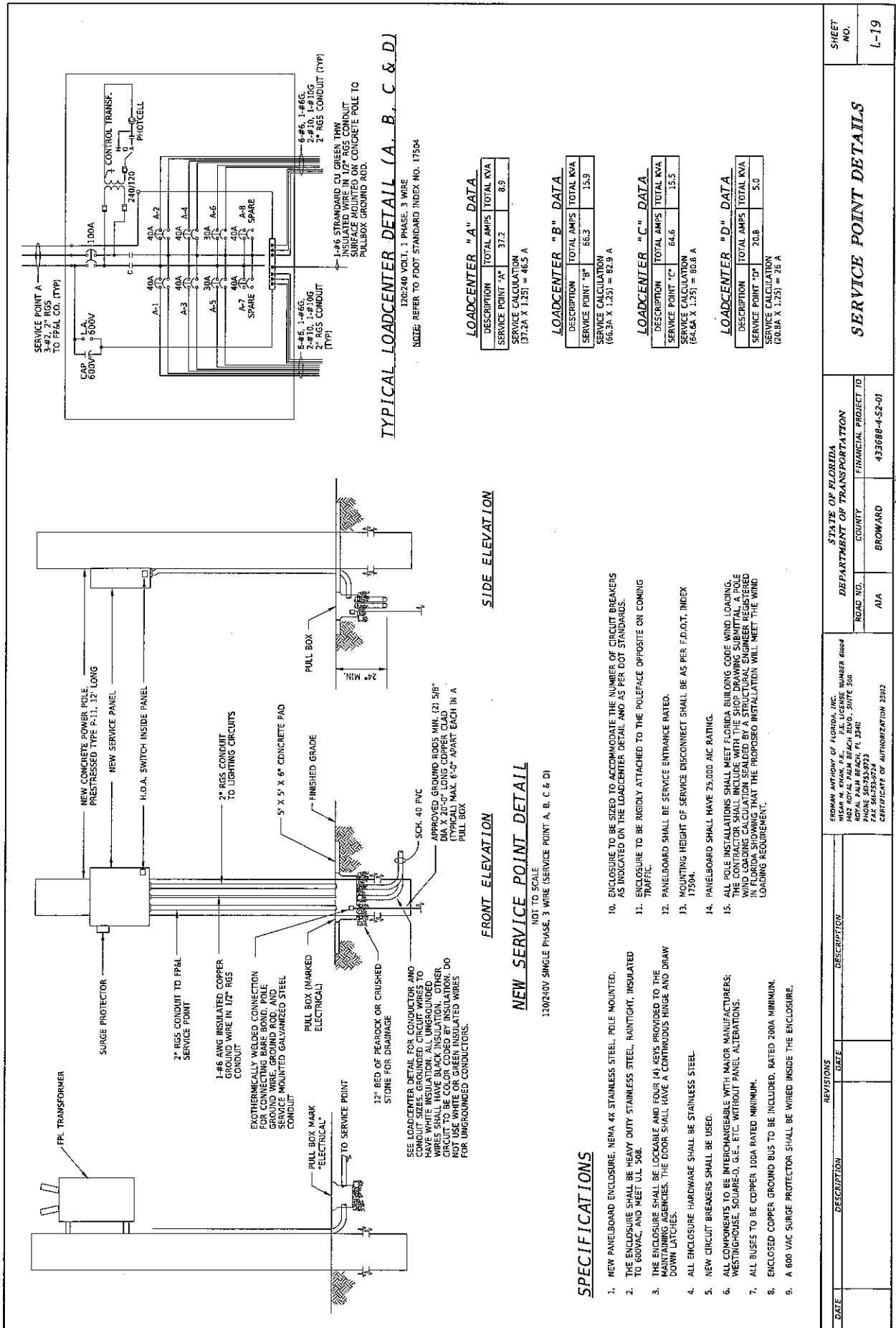
UTILITY CONFLICT MATRIX - LIGHTING										
FPID - 433688-4-52-01										
SR-A1A (N. ATLANTIC BLVD) - FROM SR-838 TO N.E. 18TH STREET										
LIGHT POLE	STATION	OFFSET	CONTROL	STORM DRAINAGE	SPARE CONDUITS	FLORIDA POWER & LIGHTS/UNDERGROUND ELECTRIC	STREET LIGHTS	BROWARD COUNTY TRAFFIC SIGNAL DUCT	SANITARY PM	TELEPHONE
PUP-01	619-15	34.1 LT	CONST. CL		2"	BE				
PUP-02	619-08	34.1 LT	CONST. CL		2", PB	BE				
PUP-03	620-05	34.1 LT	CONST. CL		2"	BE				
PUP-04	621-40	34.1 LT	CONST. CL		2"	BE				
PUP-05	622-15	34.1 LT	CONST. CL		2"	BE				
PUP-06	622-50	35.1 LT	CONST. CL		2"	BE				
PUP-07	623-02	35.1 LT	CONST. CL		2"	BE				
PUP-08	624-37	35.1 LT	CONST. CL		2"	BE				
PUP-09	625-11	34.1 LT	CONST. CL		2"	BE				
PUP-10	625-40	34.1 LT	CONST. CL		2"	BE				
PUP-11	626-03	34.1 LT	CONST. CL		2"	BE				
PUP-12	627-35	34.1 LT	CONST. CL		2"	BE				
PUP-13	628-10	34.1 LT	CONST. CL		2"	BE				
PUP-14	628-44	34.1 LT	CONST. CL		2"	BE				
PUP-15	629-58	34.1 LT	CONST. CL		2"	BE				
PUP-16	630-33	35.0 LT	CONST. CL		2"	BE				
PUP-17	631-08	35.0 LT	CONST. CL		2"	BE				
PUP-18	631-43	35.1 LT	CONST. CL		2"	BE				
PUP-19	632-58	35.0 LT	CONST. CL		2"	BE				
PUP-20	633-03	35.1 LT	CONST. CL		2"	BE				
PUP-21	634-08	34.1 LT	CONST. CL		2"	BE				
PUP-22	634-43	34.1 LT	CONST. CL		2"	BE				
PUP-23	635-58	34.1 LT	CONST. CL		2"	BE				
PUP-24	636-03	34.1 LT	CONST. CL		2"	BE				
PUP-25	637-05	34.1 LT	CONST. CL		2"	BE				
PUP-26	637-47	35.1 LT	CONST. CL		2"	BE				
PUP-27	638-15	35.1 LT	CONST. CL		2"	BE				
PUP-28	638-45	35.1 LT	CONST. CL		2"	BE				
PUP-29	639-05	35.1 LT	CONST. CL		2"	BE				
PUP-30	640-05	35.1 LT	CONST. CL		2"	BE				
PUP-31	641-40	35.1 LT	CONST. CL		2"	BE				
PUP-32	642-38	35.1 LT	CONST. CL		2"	BE				
PUP-33	643-01	35.0 LT	CONST. CL		2"	BE				
PUP-34	645-73	35.0 LT	CONST. CL		2"	BE				
PUP-35	644-45	35.1 LT	CONST. CL		2"	BE				
PUP-36	645-00	35.0 LT	CONST. CL		2"	BE				
PUP-37	645-61	35.0 LT	CONST. CL		2"	BE				
PUP-38	646-42	35.0 LT	CONST. CL		2"	BE				
PUP-39	647-32	35.0 LT	CONST. CL		2"	BE				
PUP-40	648-13	34.1 LT	CONST. CL		2"	BE				
PUP-41	648-45	35.0 LT	CONST. CL		2"	BE				

UTILITY CONFLICT MATRIX - LIGHTING										
FPID - 433688-4-52-01										
SR-A1A (N. ATLANTIC BLVD) - FROM SR-838 TO N.E. 18TH STREET										
LIGHT POLE	STATION	OFFSET	CONTROL	STORM DRAINAGE	SPARE CONDUITS	FLORIDA POWER & LIGHTS/UNDERGROUND ELECTRIC	STREET LIGHTS	BROWARD COUNTY TRAFFIC SIGNAL DUCT	SANITARY PM	TELEPHONE
PUP-42	648-38	35.0 LT	CONST. CL		2"	BE				
PUP-43	650-28	34.8 LT	CONST. CL		2"	BE				
PUP-44	651-00	35.0 LT	CONST. CL		2"	BE				
PUP-45	651-72	35.0 LT	CONST. CL		2"	BE				
PUP-46	652-14	34.7 LT	CONST. CL		2"	BE				
PUP-47	653-54	35.1 LT	CONST. CL		2"	BE				
PUP-48	654-64	35.1 LT	CONST. CL		2"	BE				
PUP-49	655-35	35.1 LT	CONST. CL		2"	BE				
PUP-50	656-08	35.1 LT	CONST. CL		2"	BE				
PUP-51	656-48	35.1 LT	CONST. CL		2"	BE				
PUP-52	657-54	32.8 LT	CONST. CL		2", PB	BE				
PUP-53	658-38	37.8 LT	CONST. CL		2"	BE				
PUP-54	659-07	38.9 LT	CONST. CL		2"	BE				
PUP-55	659-73	34.2 LT	CONST. CL		2"	BE				
PUP-56	661-22	34.5 LT	CONST. CL		2"	BE				
PUP-57	661-98	35.0 LT	CONST. CL		2"	BE				
PUP-58	664-91	34.7 LT	CONST. CL		2"	BE				
PUP-59	613-53	48.8 RT	CONST. CL		2"	BE				
PUP-60	613-78	48.7 RT	CONST. CL		2"	BE				
PUP-61	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-62	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-63	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-64	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-65	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-66	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-67	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-68	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-69	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-70	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-71	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-72	614-78	45.7 RT	CONST. CL		2"	BE				
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PUP-74	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-75	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-76	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-77	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-78	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-79	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-80	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-81	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-82	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-83	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-84	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-85	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-86	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-87	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-88	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-89	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-90	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-91	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-92	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-93	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-94	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-95	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-96	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-97	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-98	614-78	45.7 RT	CONST. CL		2"	BE				
PUP-99	614-53	44.4 RT	CONST. CL		2"	BE				
PUP-100	614-78	45.7 RT	CONST. CL		2"	BE				

BE - buried electric, PB - pull box, BT - buried telephone
 All cables for utilities in conflict are from the scope of the 2.5' drilled shaft foundation for the light poles.
 Only utilities within 1.5' of the excavation for foundation are included in the above matrix.
 Existing spare conduits and lighting conduits to be installed by contractor in areas of conflict.
 Electrical conflicts to be coordinated with PPL.
 Sanitary Force main to be abandoned in conflict areas.
 The conflicts identified in this matrix by the FDOT do not release the utility owner from the responsibility to identify all conflicts with their facilities.
 Stations/Offsets are referenced from SR A1A Construction Centerline

DATE		DESCRIPTION		REVISIONS		BRUNAN ANTHONY OF FLORIDA, INC. NISAN N. KHAL P.E., P.E. LICENSE NUMBER 8004 1402 ROYAL PALM BEACH BLVD., SUITE 500 ROYAL PALM BEACH, FL 33408 PHONE 561-333-9723 FAX 561-333-9724 CERTIFICATE OF AUTHORIZATION 23812		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433688-4-52-01		UTILITY CONFLICT MATRIX SHEET NO. L-16	
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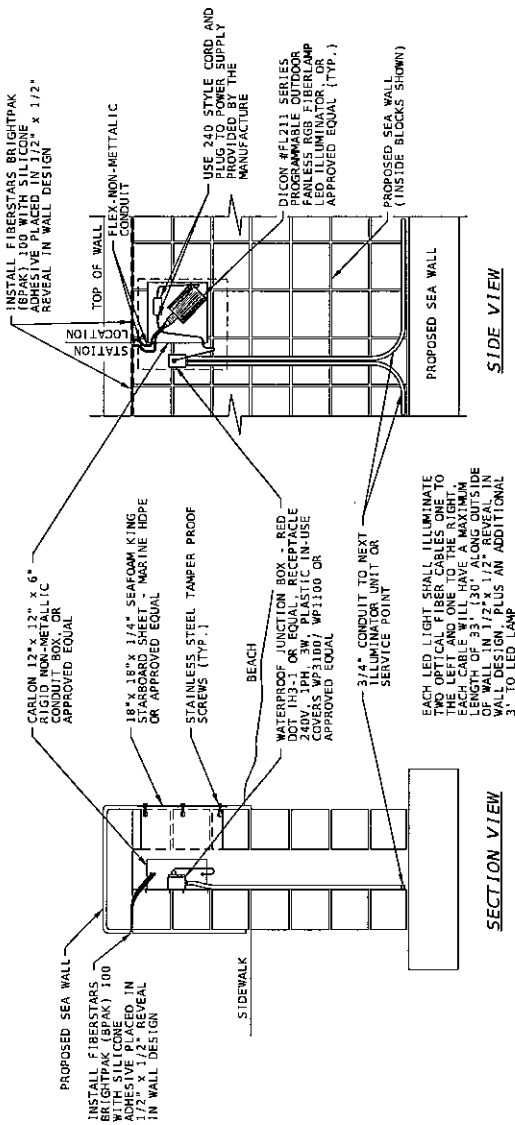




LED ILLUMINATOR TABLE				STATION			
WALL NO.	LED NAME	CIRCUIT	STATION	STATION	OFFSET	STATION	STATION
1	LED-01	A-4	609+46	RT.		609+46	RT.
	LED-02	A-4	610+06	RT.		610+06	RT.
	LED-03	A-4	610+66	RT.		610+66	RT.
	LED-04	A-4	611+26	RT.		611+26	RT.
	LED-05	A-4	611+86	RT.		611+86	RT.
	LED-06	A-4	612+46	RT.		612+46	RT.
2	LED-07	A-4	613+06	RT.		613+06	RT.
	LED-08	A-4	613+66	RT.		613+66	RT.
	LED-09	A-4	614+26	RT.		614+26	RT.
	LED-10	A-4	614+86	RT.		614+86	RT.
	LED-11	A-4	615+46	RT.		615+46	RT.
	LED-12	A-4	616+06	RT.		616+06	RT.
3	LED-13	A-4	616+66	RT.		616+66	RT.
	LED-14	A-4	617+26	RT.		617+26	RT.
	LED-15	A-4	617+86	RT.		617+86	RT.
	LED-16	A-5	618+46	RT.		618+46	RT.
	LED-17	A-5	619+06	RT.		619+06	RT.
	LED-18	A-5	619+66	RT.		619+66	RT.
4	LED-19	A-5	620+26	RT.		620+26	RT.
	LED-20	A-5	620+86	RT.		620+86	RT.
	LED-21	A-5	621+46	RT.		621+46	RT.
	LED-22	A-5	622+06	RT.		622+06	RT.
	LED-23	A-5	622+66	RT.		622+66	RT.
	LED-24	B-5	623+26	RT.		623+26	RT.
5	LED-25	B-5	623+86	RT.		623+86	RT.
	LED-26	B-5	624+46	RT.		624+46	RT.
	LED-27	B-5	625+06	RT.		625+06	RT.
	LED-28	B-5	625+66	RT.		625+66	RT.
	LED-29	B-5	626+26	RT.		626+26	RT.
	LED-30	B-5	626+86	RT.		626+86	RT.
6	LED-31	B-5	627+46	RT.		627+46	RT.
	LED-32	B-5	628+06	RT.		628+06	RT.
	LED-33	B-5	628+66	RT.		628+66	RT.
	LED-34	B-5	629+26	RT.		629+26	RT.
	LED-35	B-5	629+86	RT.		629+86	RT.
	LED-36	B-5	630+46	RT.		630+46	RT.
7	LED-37	B-6	631+06	RT.		631+06	RT.
	LED-38	B-6	631+66	RT.		631+66	RT.
	LED-39	B-6	632+26	RT.		632+26	RT.
	LED-40	B-6	632+86	RT.		632+86	RT.
	LED-41	B-6	633+46	RT.		633+46	RT.
	LED-42	B-6	634+06	RT.		634+06	RT.
8	LED-43	B-6	634+66	RT.		634+66	RT.
	LED-44	B-6	635+26	RT.		635+26	RT.
	LED-45	B-6	635+86	RT.		635+86	RT.
	LED-46	B-6	636+46	RT.		636+46	RT.
	LED-47	B-6	637+06	RT.		637+06	RT.
	LED-48	B-6	637+66	RT.		637+66	RT.
9	LED-49	B-6	638+26	RT.		638+26	RT.
	LED-50	B-6	638+86	RT.		638+86	RT.
	LED-51	B-6	639+46	RT.		639+46	RT.
	LED-52	B-6	640+06	RT.		640+06	RT.
	LED-53	B-6	640+66	RT.		640+66	RT.
	LED-54	B-6	641+26	RT.		641+26	RT.

LED ILLUMINATOR TABLE (CONTO)				STATION			
WALL NO.	LED NAME	CIRCUIT	STATION	STATION	OFFSET	STATION	STATION
10	LED-55	C-5	642+81	RT.		642+81	RT.
	LED-56	C-5	643+41	RT.		643+41	RT.
	LED-57	C-5	644+01	RT.		644+01	RT.
	LED-58	C-5	644+61	RT.		644+61	RT.
	LED-59	C-5	645+21	RT.		645+21	RT.
	LED-60	C-5	645+81	RT.		645+81	RT.
11	LED-61	C-5	646+41	RT.		646+41	RT.
	LED-62	C-5	647+01	RT.		647+01	RT.
	LED-63	C-5	647+61	RT.		647+61	RT.
	LED-64	C-5	648+21	RT.		648+21	RT.
	LED-65	C-5	648+81	RT.		648+81	RT.
	LED-66	C-5	649+41	RT.		649+41	RT.
12	LED-67	C-5	649+81	RT.		649+81	RT.
	LED-68	C-5	650+41	RT.		650+41	RT.
	LED-69	C-5	650+81	RT.		650+81	RT.
	LED-70	C-6	651+41	RT.		651+41	RT.
	LED-71	C-6	652+01	RT.		652+01	RT.
	LED-72	C-6	652+61	RT.		652+61	RT.
13	LED-73	C-6	653+21	RT.		653+21	RT.
	LED-74	C-6	653+81	RT.		653+81	RT.
	LED-75	C-6	654+41	RT.		654+41	RT.
	LED-76	C-6	655+01	RT.		655+01	RT.
	LED-77	C-6	655+61	RT.		655+61	RT.
	LED-78	C-6	656+21	RT.		656+21	RT.
14	LED-79	C-6	656+81	RT.		656+81	RT.
	LED-80	C-6	657+41	RT.		657+41	RT.
	LED-81	C-6	658+01	RT.		658+01	RT.
	LED-82	C-6	658+61	RT.		658+61	RT.
	LED-83	C-6	659+21	RT.		659+21	RT.
	LED-84	C-6	659+81	RT.		659+81	RT.
15	LED-85	D-3	660+41	RT.		660+41	RT.
	LED-86	D-3	661+01	RT.		661+01	RT.
	LED-87	D-3	661+61	RT.		661+61	RT.
	LED-88	D-3	662+21	RT.		662+21	RT.
	LED-89	D-3	662+81	RT.		662+81	RT.
	LED-90	D-3	663+41	RT.		663+41	RT.
16	LED-91	D-3	664+01	RT.		664+01	RT.
	LED-92	D-3	664+61	RT.		664+61	RT.
	LED-93	D-3	665+21	RT.		665+21	RT.
	LED-94	D-3	665+81	RT.		665+81	RT.
	LED-95	D-3	666+41	RT.		666+41	RT.
	LED-96	D-3	667+01	RT.		667+01	RT.

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



NOTE: SEE PLAN SHEETS FOR CONDUCTORS SIZES.

LED ILLUMINATOR MOUNTING DETAIL

N.T.S.

EDMAN ANTHONY OF FLORIDA, INC. 102 ROYAL PALM BEACH BLVD., SUITE 300 ROYAL PALM BEACH, FL 33408 PHONE 561-933-9733 CERTIFICATE OF AUTHORIZATION 23912		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY AIA BROWARD 433668-4-52-01	SHEET NO. L-20
DATE DESCRIPTION REVISIONS DATE DESCRIPTION		11/15/2013 10:42:50 AM 11/15/2013 10:42:50 AM 11/15/2013 10:42:50 AM 11/15/2013 10:42:50 AM	

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID. 433688-4-52-01

BROWARD COUNTY (86005)

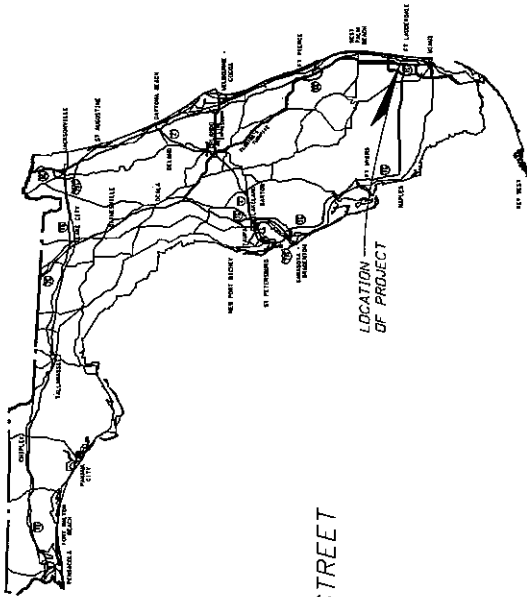
STATE ROAD A1A FROM SUNRISE BLVD. TO NE 18 STREET

STRUCTURE PLANS

INDEX OF STRUCTURE PLANS

SHEET NO. SHEET DESCRIPTION

BW-1	KEY SHEET
BW-2	GENERAL NOTES
BW-3	TYPICAL WALL DETAILS (1 OF 2)
BW-4	TYPICAL WALL DETAILS (2 OF 2)
BW-5	TYPE A & B ENTRANCE DETAILS
BW-6	TYPE C & D ENTRANCE DETAILS
BW-7	TYPE E ENTRANCE DETAILS
BW-8	SHELL WRAP DETAILS
BW-9	COLUMN DETAILS
BW-10	STRUCTURAL DETAILS (1 OF 2)
BW-11	STRUCTURAL DETAILS (2 OF 2)
BW-12	WALL PLANS (1 OF 5)
BW-13	WALL PLANS (2 OF 5)
BW-14	WALL PLANS (3 OF 5)
BW-15	WALL PLANS (4 OF 5)
BW-16	WALL PLANS (5 OF 5)
BW-17	WALL ELEVATION TABLE
BW-18	AS-BUILT SHEET PILE PROFILE (1 OF 3)
BW-19	AS-BUILT SHEET PILE PROFILE (2 OF 3)
BW-20	AS-BUILT SHEET PILE PROFILE (3 OF 3)
BW-21	REINFORCING BAR LIST (1 OF 2)
BW-22	REINFORCING BAR LIST (2 OF 2)



STRUCTURE SHOP DRAWINGS
TO BE SUBMITTED TO:
STRUCTURES DESIGN OFFICE
FOOT DISTRICT IV
ATTN: FRED OCHOA, P.E.
3400 WEST COMMERCIAL BLVD.
FORT LAUDERDALE, FL 33309

PLANS PREPARED BY:
EAC CONSULTING, INC.
815 NW 57 AVENUE, SUITE 402
MIAMI, FL 33126

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

KEY SHEET REVISIONS	
DATE	DESCRIPTION

STRUCTURE PLANS
ENGINEER OF RECORD: K.T. LIN, P.E.

P.E. NO. 41081

FOOT PROJECT MANAGER: SCOTT PETERSON, P.E.

FISCAL YEAR	SHEET NO.
14	BW-1

STRUCTURAL GENERAL NOTES

DESIGN SPECIFICATIONS:
FDOT Structures Manual (January 2013) and subsequent
Structures Temporary Design Bulletins.
Florida Building Code 2010

CONSTRUCTION SPECIFICATIONS:
FDOT Standards Specifications for Road and Bridge
Construction 2014

CONTRACTOR NOTES:

Contractor to verify all dimensions prior to construction. Any
discrepancies shall be reported to the engineer before
proceeding.

Contractor shall submit shop drawings. Approval of shop
drawings by the Engineer is for design and layout only, and is
not for the purpose of authorizing changes to the contract.

VERTICAL DATUM

All elevations are according to North American vertical Datum
of 1988 (NAVD 88)

DESIGN LOADING:

Vehicle: 25 k GVW

Live Load: 60 PSF

Wave Load: 450 psf with a 50 year return period based on
repeatability in the Division of Inertia Incorporated. Applies
639-49.49 Thru 663-48.48

Wind Load:

ASCE 7-10

Exposure C

Occupancy Category II

Concrete Class

Min. 28-Day

Location of

Concrete

Strength (ksi.)

5,500

Slabs, Columns, Footing, Stairs

IV

CONCRETE COVER:

Footings:

Columns:

Slabs-on-Grade:

Exterior Slabs-on-Grade:

Walls:

Bottom

Top

4 in

3 in

3 in

3 in

3 in

3 in

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ENVIRONMENT:
Extremely Aggressive.

REINFORCING STEEL:
All reinforcing steel bars shall be ASTM A615, Grade 60.

Shop Drawings required.

All welded steel wire fabric shall be in accordance with

Section 931-1.2

BOLTS:

All bolts shall be stainless steel ASTM A325.

FILL:

A special inspector, retained by the owner, shall inspect and
supervise the compaction of fill under slabs on grade. The
fill shall be compacted to a minimum of 95% standard
density as determined by field density tests
made in accordance with ASTM 318.

UTILITIES:

The utilities shown in the plans are at approximate
locations. Contractor shall verify all the utility locations
prior to starting any work.

JOINTS IN CONCRETE:

Construction joints will be permitted only at locations
indicated on the plans. Additional construction joints or
alterations to those shown shall require approval of the
engineer.

SOIL STATEMENT:

As per the geotechnical report by Ferriac Consultants, Inc.,
dated September 27, 2013, the allowable soil bearing
pressure is 2,500 PSF. Contractor should follow the
geotechnical recommendation of this report.

GENERAL:

All details and sections shown on the drawings are
intended to be constructed as shown. Contractor shall apply to
any similar situations at other locations than that
specifically indicated.

FINISH PAINTING:

Colors to match existing white semi-gloss color of the existing
wave wall south of the project.

Warranty: Manufacturer and contractor shall provide a (1)

Unlimited Warrenty. Contractor shall have a minimum of (3)

years industrial coatings job experience documented and provide

(2) job references in similar industrial coatings jobs.

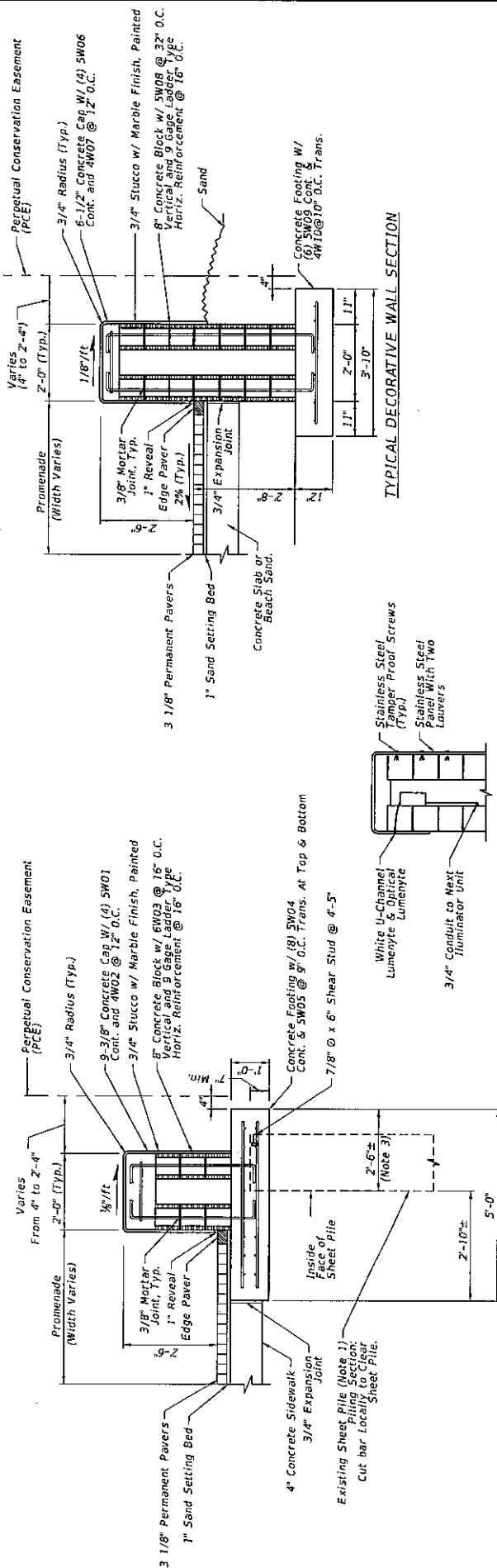
GENERAL NOTES

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

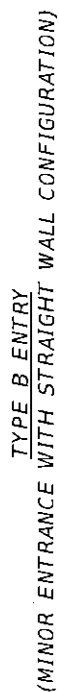
ERAC Consulting, Inc.
815 N.W. 13th Avenue, Suite 402
Fort Lauderdale, FL 33311
305-965-0687
K.T. LIN, P.E.
P.E. LIC. #1081
WWW.ERACCONSULT.COM

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

DATE DESCRIPTION REVISIONS DATE DESCRIPTION



		EAC Consulting, Inc. 815 NW 57TH AVENUE, SUITE 402 MIAMI, F. 33126 305-285-9557 K.T. UN, P.E. P.E. UC. 41081 WWW.EACCONSULT.COM		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.
				ROAD NO.		BW - 3
				COUNTY		
				FINANCIAL PROJECT ID		
				AIA		
				BROWARD		
				433688-4-52-01		
				CA#7014		

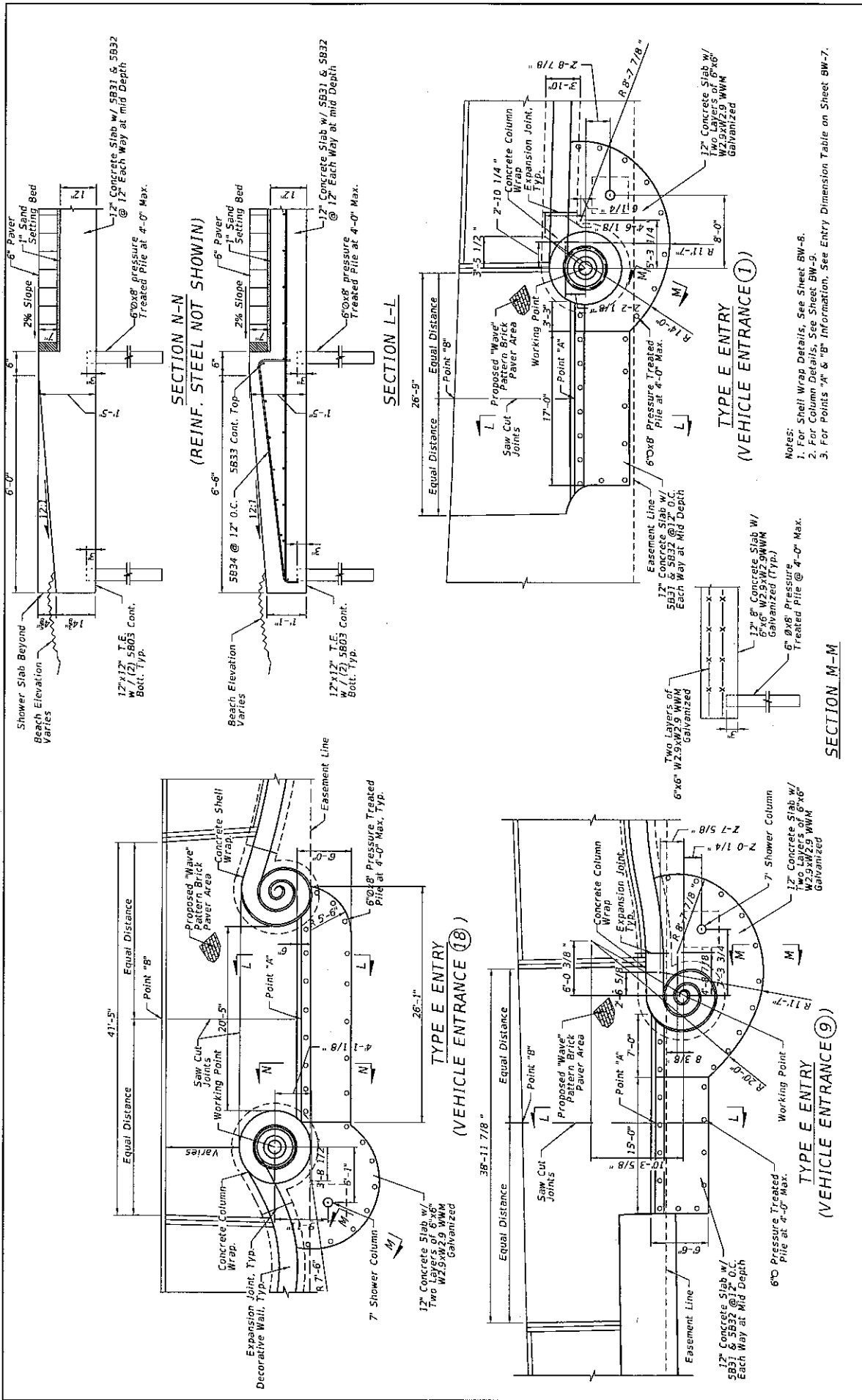


TYPE A ENTRY
(MINOR ENTRANCE WITHOUT SHEET PILE)

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"	21'-6"	North 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	D	7'-4"	12'-8"	North Side
12	D	7'-3"	19'-3"	South Side
13	D	7'-4"	12'-8"	North Side
14	D	7'-4"	12'-11"	North Side
15	D	7'-4"	12'-2"	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

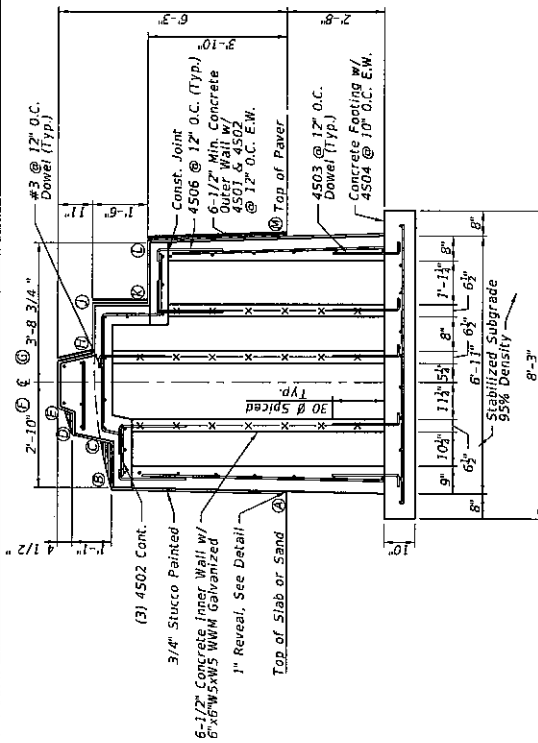
- Notes:
1. For Shell Wrap Details, See Sheet BW-8.
2. For Column Details, See Sheet BW-9.
3. For Concrete Back Wall Elevation, See Sheet BW-4
4. For Concrete Back Wall Details, See Sheet BW-4
5. For Decorative Wall Detail, See Sheet BW-3
6. For Section A-A, See Sheet BW-10
7. For Section B-B, See Sheet BW-10
8. For Section C-C, See Sheet BW-10
9. For Shower Column Details, See Sheet BW-11
10. Legend ^{1/2"} 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 excavation shall be can be cut before approval by the Engineer.
12. See as-built sheet pile profile (Sheets BW-18 to BW-20) for sheet pile elevations.
13. Cut bar locally to clear sheetpile
14. For Points "A" & "B" See Entry Dimension Table on This Sheet

DATE		DESCRIPTION		REVISONS		EAC Consulting, Inc. 815 NW 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-586-2857 FAX: 305-586-2857 E-MAIL: EAC@EACON.SUITEZ.COM WWW.EACON.SUITEZ.COM		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY A1A BROWARD 433688-4-52-01		SHEET NO. BW-5	
TYPE A & B ENTRANCE DETAILS											

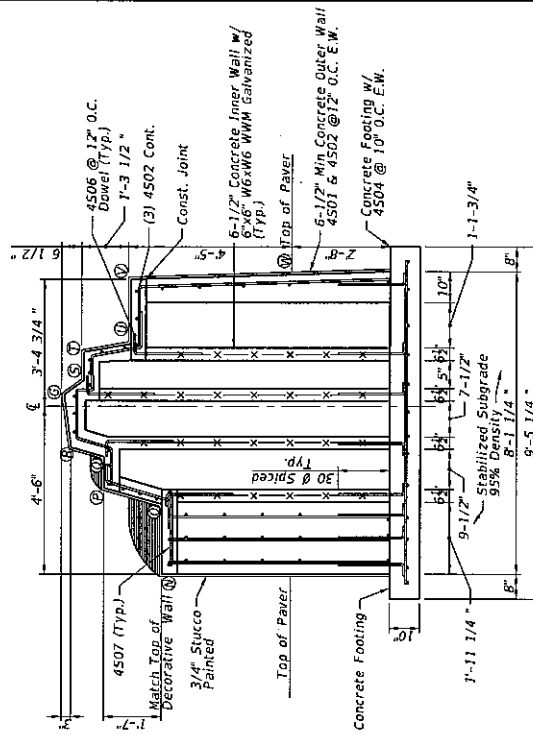


REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

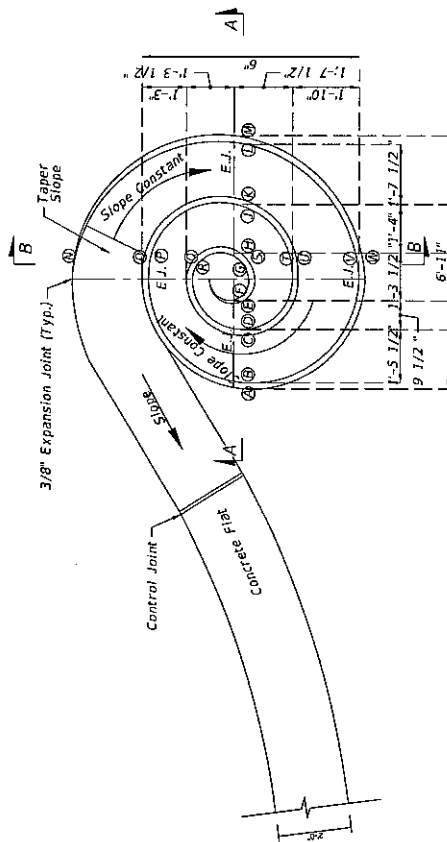
EAG Consulting, Inc. 815 NW 57th Avenue, Suite 402 Miami, FL 33128 305-265-2557 K.T. LIN, P.E. K.T.LIN@EAGCONSULT.COM		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
CAR011	ROAD NO.	COUNTY	FINANCIAL PROJECT ID



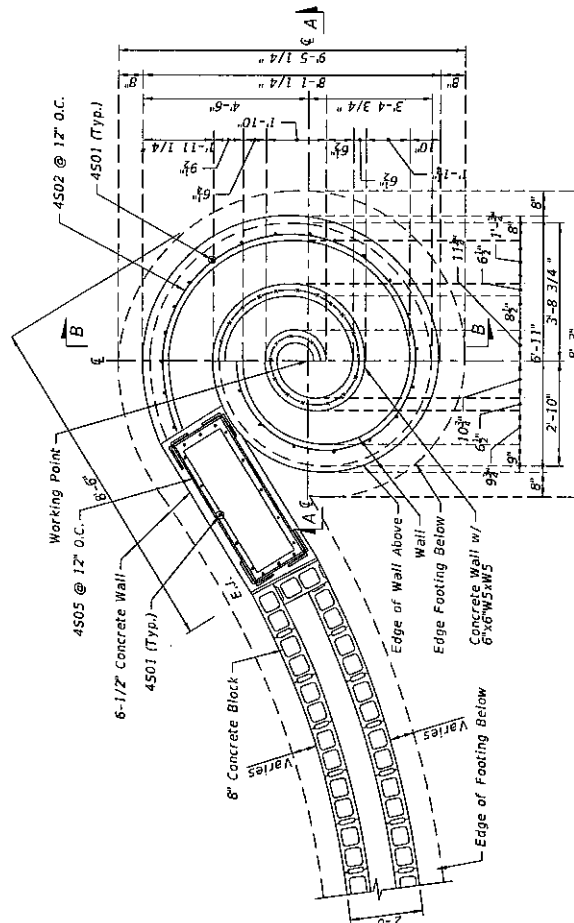
SECTION A - A



9-31/4
SECTION B - B

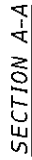


SHELL WRAP PLAN



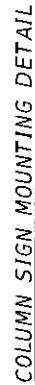
SHELL WRAP FOUNDATION PLAN

REVISIONS		EAC CONSULTING, INC. 815 NW 57TH AVENUE, SUITE 402 MIAMI, FL 33176 305-785-2657 K.T. LIN, P.E. P.E. LIC. #1081 WWW.EACCONSULT.COM	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID A1A BROWARD 43568-4-52-01	SHELL WRAP DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		BW-8



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.



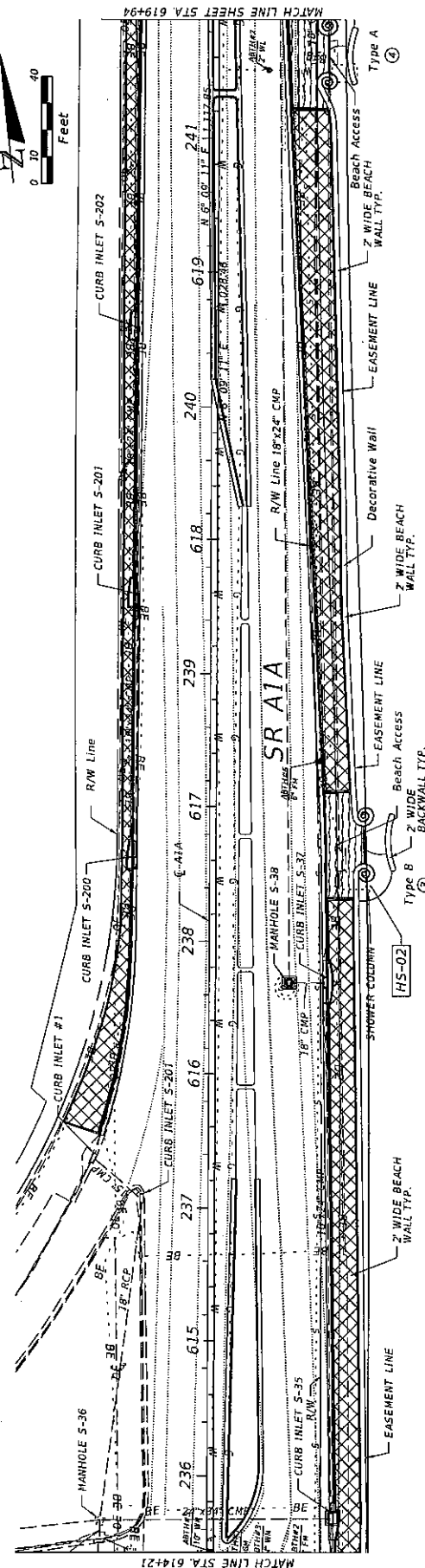
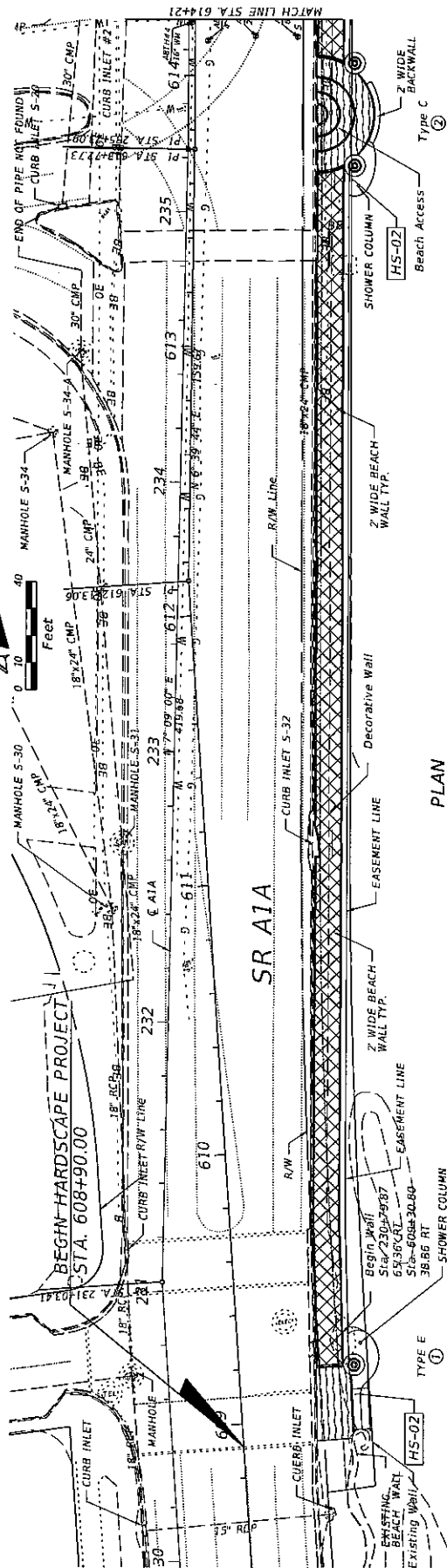
REVISIONS		
DATE	DESCRIPTION	DATE

LEAG CONSULTING, INC. 1515 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33126 305-265-2557 T. LIN, P.E. P.E. LIC. 11081	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	A1A	BROWARD	433688-4-52-01
CADD#11			WWW.BALCONSBUILD.COM

<p align="center">STRUCTURAL DETAILS (1 OF 2)</p>	SHEET NO.
	BW-10

DECORATIVE WALL JOINT ELEVATION

DATE		REVISIONS		DESCRIPTION	
DATE		DATE		DESCRIPTION	
EAC CONSULTING, INC. 815 N.W. 57TH AVENUE, SUITE 402 MIAMI, FL 33176 305-666-2527 K.T. LIN, P.E. P.E. LIC. 41081 HWP, INCORPORATED, CORP. CM/70-11					
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY A1A BROWARD FINANCIAL PROJECT ID 433688-4-52-01					

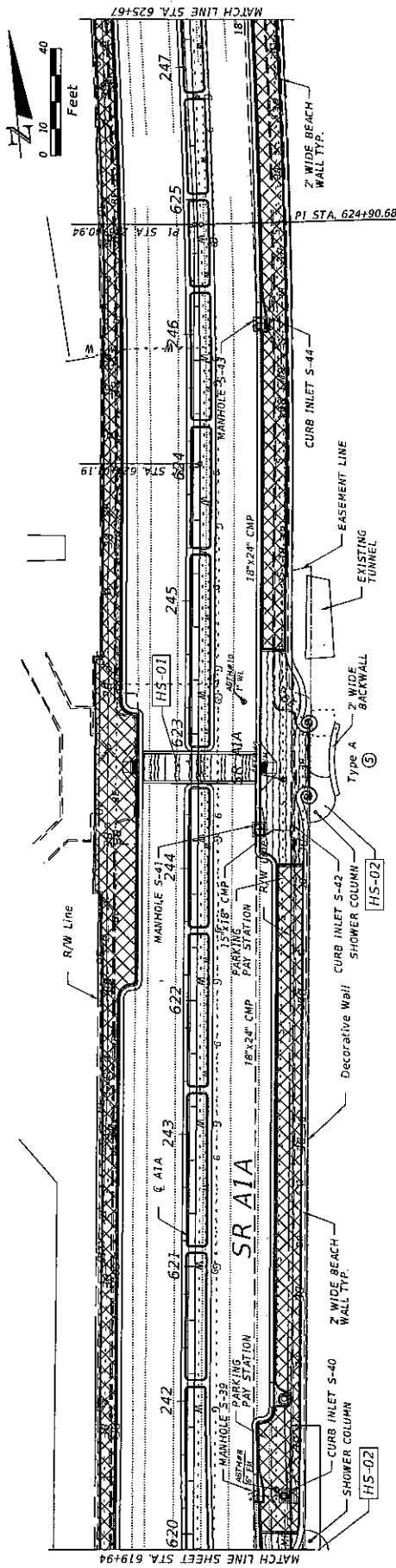


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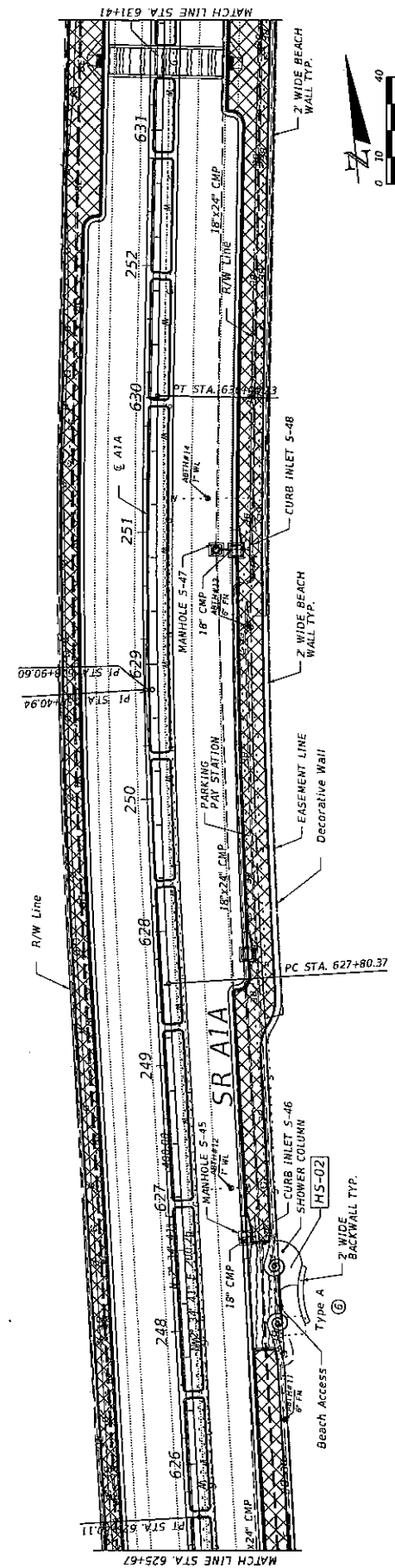
PLAN

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

<div> <div> <div>DATE</div> <div>DESCRIPTION</div> </div> <div> <div>REVISIONS</div> <div>DATE</div> <div>DESCRIPTION</div> </div> </div>		<div> <div>EAC Consulting, Inc.</div> <div>815 N.W. 57TH AVENUE, SUITE 402</div> <div>MIAMI, FL 33126</div> <div>305-285-2857</div> <div>K.T. LIN P.E.</div> <div>P.E. LIC. 41081</div> <div>WWW.EACCONSULT.COM</div> </div>		<div> <div>STATE OF FLORIDA</div> <div>DEPARTMENT OF TRANSPORTATION</div> </div>		<div> <div>ROAD NO.</div> <div>COUNTY</div> <div>FINANCIAL PROJECT ID</div> </div>		<div> <div>A1A</div> <div>BROWARD</div> <div>43368B-4-52-01</div> </div>		<div> <div> <div>WALL PLANS (1 OF 5)</div> <div> <div>SHEET NO.</div> <div>BW-12</div> </div> </div> </div>	
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PLAN



LEGEND: ① Indicates Entrance ID Number

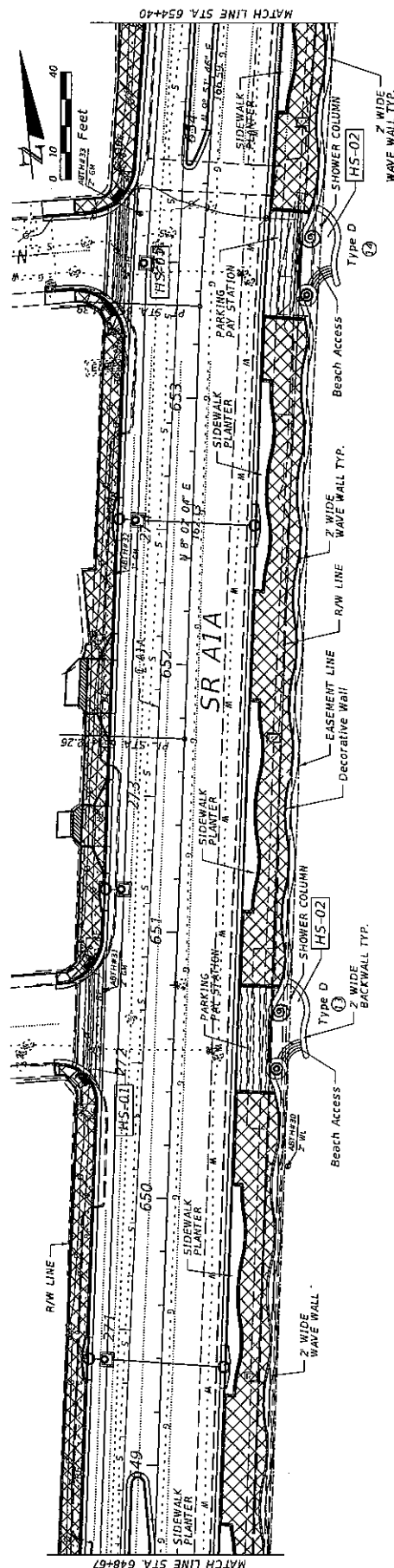
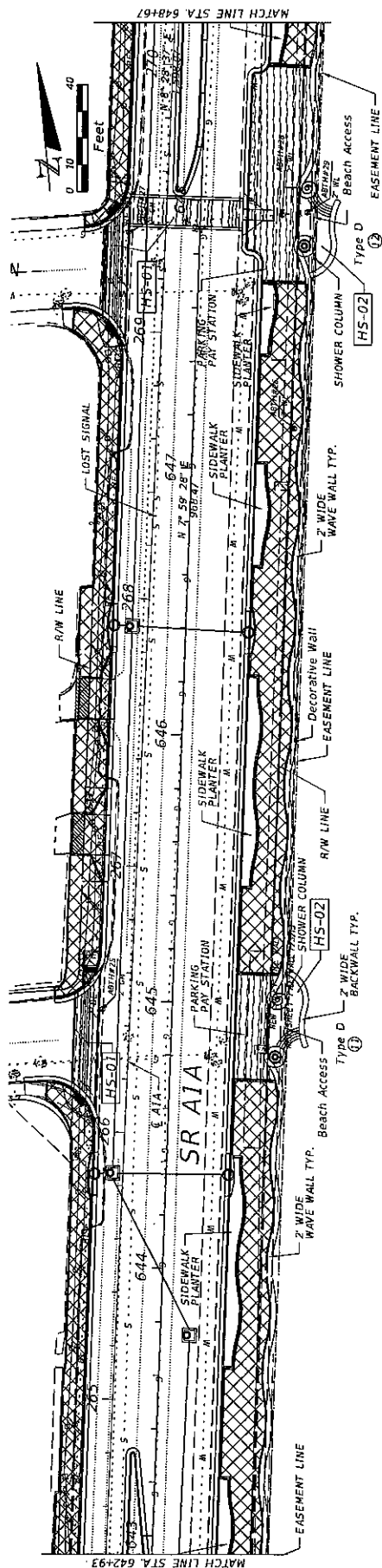
PLAN

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

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

EAC Consulting, Inc. 815 N.W. 57th Avenue, Suite 402 Miami, FL 33128 305-585-2887 P.E. LIC. 41081 WWW.EACCONSULT.COM		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
PROJECT NO.	433088-4-52-01	ROAD NO.	A1A
COUNTY	BROWARD	FINANCIAL PROJECT ID	433088-4-52-01
CADWELL			

SHEET NO.	BW-13
WALL PLANS (2 OF 5)	



LEGEND: ① Indicates Entrance ID Number

PLAN

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

[illegible]

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

Station	offset	Back of Sidewalk Elev.	Top of Wall Elev.	Top of Footing Elev.
840+50.00	51.37	7.15	9.65	9.80
841+00.00	48.23	7.30	9.80	9.95
841+50.00	45.51	7.45	9.95	10.10
842+00.00	41.61	7.50	10.00	10.15
842+50.00	40.02	7.41	9.91	10.07
843+00.00	41.60	7.28	9.78	9.92
843+50.00	41.16	7.11	9.61	9.77
844+00.00	38.72	6.98	9.46	9.62
844+50.00	36.95	6.89	9.39	9.55
845+00.00	47.71	7.10	9.50	9.65
845+50.00	39.97	7.19	9.59	9.75
846+00.00	41.56	7.07	9.57	9.73
846+50.00	41.24	6.98	9.48	9.64
847+00.00	39.91	7.14	9.64	9.79
847+50.00	39.93	7.28	9.79	9.94
848+00.00	41.24	7.50	10.00	10.15
848+50.00	39.66	7.42	9.92	10.07
849+00.00	41.31	7.27	9.77	9.93
849+50.00	41.56	7.20	9.70	9.85
850+00.00	40.00	7.40	9.90	10.05
850+50.00	39.68	7.56	10.06	10.22
851+00.00	40.38	7.63	10.13	10.29
851+50.00	36.60	7.47	9.97	10.13
852+00.00	41.08	7.31	9.81	9.97
852+50.00	41.61	7.15	9.65	9.81
853+00.00	40.19	7.32	9.82	9.98
853+50.00	40.45	7.44	9.94	10.10
854+00.00	40.13	7.72	10.22	10.38
854+50.00	38.41	7.92	10.42	10.68
855+00.00	40.61	7.93	10.43	10.75
855+50.00	41.66	7.78	10.28	10.58
856+00.00	39.63	7.63	10.13	10.29
856+50.00	40.90	7.54	10.04	10.20
857+00.00	39.48	7.33	9.83	9.99
857+50.00	37.54	7.34	9.84	9.99
858+00.00	38.39	7.49	9.99	10.14
858+50.00	39.97	7.64	10.14	10.29
859+00.00	38.42	7.78	10.29	10.44
859+50.00	38.77	7.91	10.41	10.59
860+00.00	36.85	8.08	10.59	10.74
860+50.00	40.44	8.24	10.74	10.89
861+00.00	41.64	8.21	10.71	10.86
861+50.00	40.83	8.01	10.51	10.66
862+00.00	39.63	7.81	10.31	10.46
862+50.00	40.14	7.57	10.07	10.22
863+00.00	41.36	7.41	9.91	10.06
863+50.00	41.52	7.21	9.71	9.86
864+00.00	39.89	7.01	9.51	9.61
864+50.00	40.41	7.06	9.56	9.66
865+00.00	40.46	7.18	9.68	9.78
865+50.00	38.61	7.21	9.71	9.81

Station	offset	Back of Sidewalk Elev.	Top of Wall Elev.	Top of Footing Elev.
609+50.00	36.46	5.60	8.30	8.45
609+50.00	37.24	5.80	8.50	8.65
610+00.00	36.66	5.14	8.64	8.79
610+50.00	43.41	6.28	9.76	9.91
611+00.00	48.94	6.36	9.88	10.03
611+50.00	50.43	6.52	10.02	10.18
612+00.00	53.65	6.67	10.17	10.33
612+50.00	54.22	6.49	9.98	10.13
613+00.00	53.81	6.30	9.80	9.95
613+50.00	53.24	6.21	9.71	9.86
614+00.00	53.62	6.12	9.62	9.77
614+50.00	52.95	6.11	9.61	9.76
615+00.00	52.08	6.10	9.60	9.75
615+50.00	51.16	6.08	9.58	9.73
616+00.00	50.30	6.01	9.51	9.66
616+50.00	49.41	6.02	9.52	9.67
617+00.00	48.52	6.03	9.53	9.68
617+50.00	47.64	6.16	9.66	9.81
618+00.00	46.76	6.29	9.79	9.94
618+50.00	45.47	6.43	9.93	10.08
619+00.00	44.04	6.66	10.16	10.31
619+50.00	42.81	6.72	10.22	10.37
620+00.00	38.44	6.79	9.29	9.42
620+50.00	40.17	6.87	9.37	9.50
621+00.00	40.17	6.96	9.46	9.59
621+50.00	40.16	6.99	9.49	9.62
622+00.00	40.16	7.02	9.52	9.65
622+50.00	40.16	7.12	9.62	9.75
623+00.00	38.71	7.23	9.73	9.86
623+50.00	33.16	7.38	9.88	10.01
624+00.00	33.16	7.53	10.03	10.16
624+50.00	33.16	7.57	10.07	10.20
625+00.00	33.16	7.61	10.11	10.24
625+50.00	33.16	7.62	10.12	10.25
626+00.00	33.16	7.64	10.14	10.27
626+50.00	32.69	7.70	10.20	10.33
627+00.00	33.16	7.76	10.26	10.39
627+50.00	33.16	7.84	10.34	10.47
628+00.00	40.16	7.92	10.42	10.55
628+50.00	40.21	7.97	10.47	10.60
629+00.00	40.22	8.02	10.52	10.65
629+50.00	40.20	7.94	10.44	10.57
630+00.00	42.16	7.85	10.35	10.48
630+50.00	40.16	7.90	10.40	10.53
631+00.00	40.17	8.13	10.63	10.75
631+50.00	40.17	8.01	10.51	10.63
632+00.00	40.18	7.89	10.39	10.52
632+50.00	38.61	7.99	10.48	10.59
633+00.00	40.16	8.07	10.57	10.64
633+50.00	40.16	8.14	10.64	10.71
634+00.00	40.17	8.22	10.72	10.79
634+50.00	40.17	8.03	10.53	10.68
635+00.00	40.18	7.84	10.34	10.57
635+50.00	40.03	7.63	10.03	10.36
636+00.00	40.17	7.21	9.71	9.90
636+50.00	40.20	7.10	9.60	9.79
637+00.00	40.22	6.99	9.49	9.68
637+50.00	40.24	6.83	9.33	9.52
638+00.00	40.30	6.67	9.17	9.36
638+50.00	42.37	6.55	9.05	9.24
639+00.00	47.88	6.78	9.28	9.47
639+50.00	47.63	6.85	9.35	9.54
640+00.00	51.25	7.00	9.50	9.65

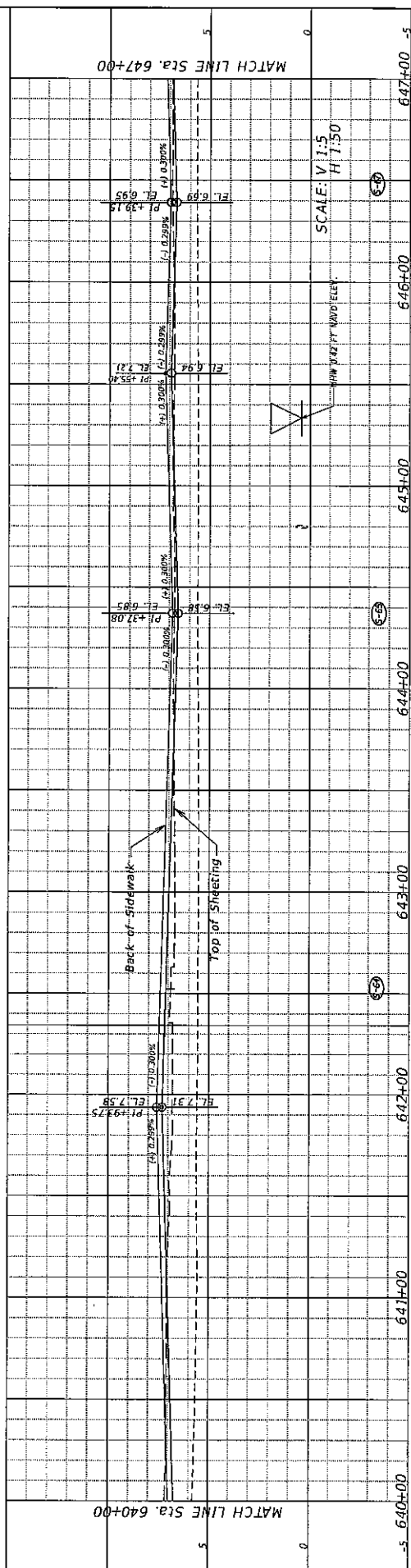
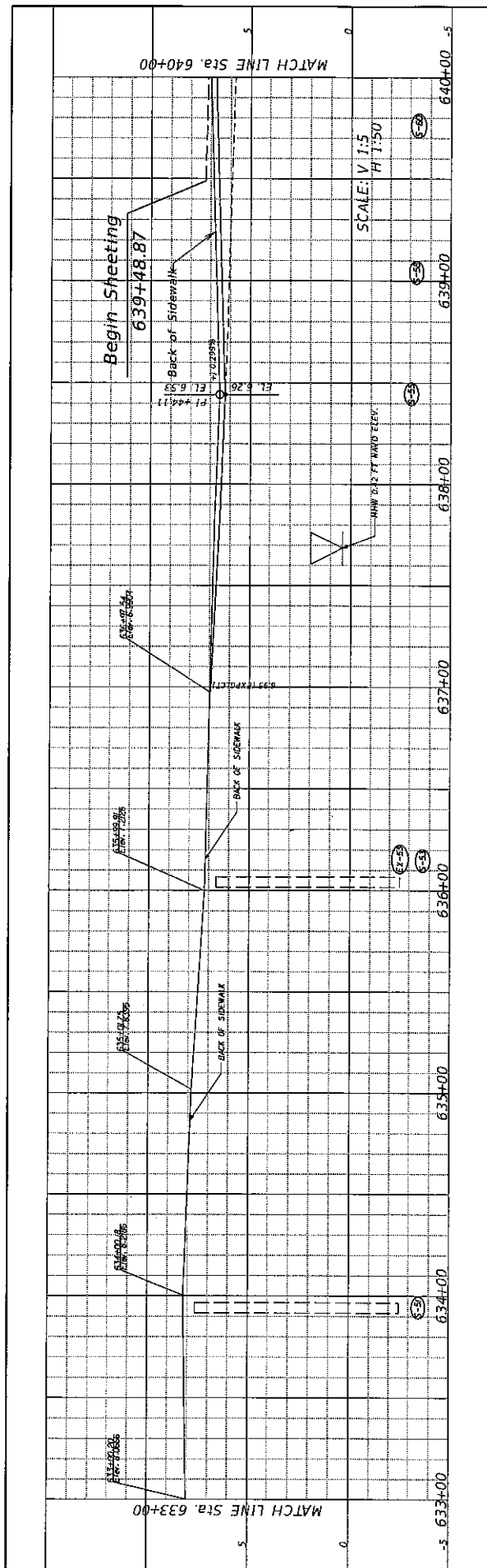
EAC Consulting, Inc.
815 NW 57th Avenue, Suite 402
Miami, FL 33156
305-265-2567
P.E. Lic. 14164
WWW.EACCONSULT.COM

DATE	DESCRIPTION	DATE	REVISIONS

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

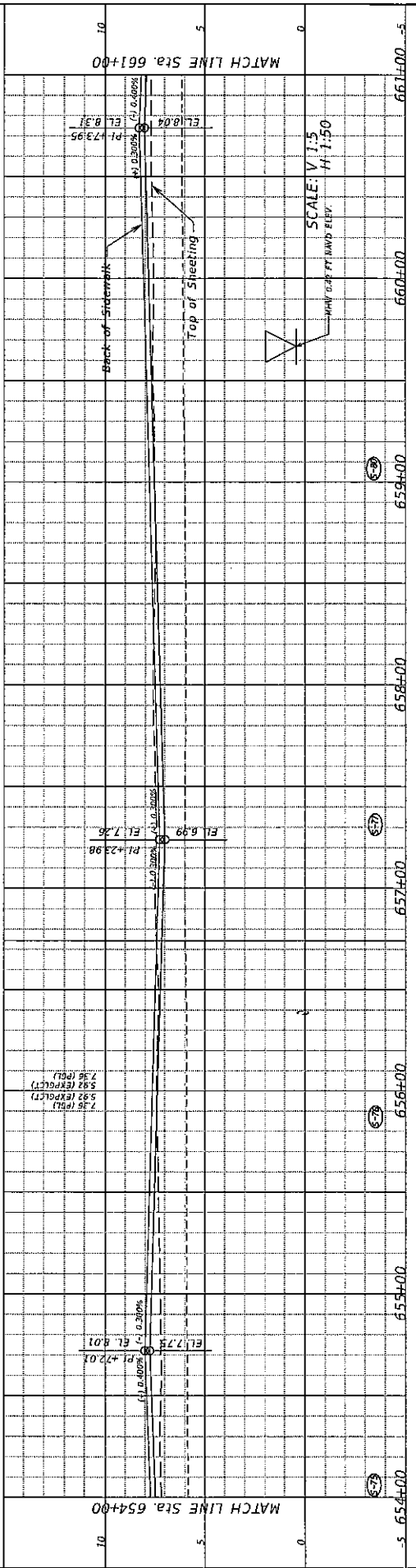
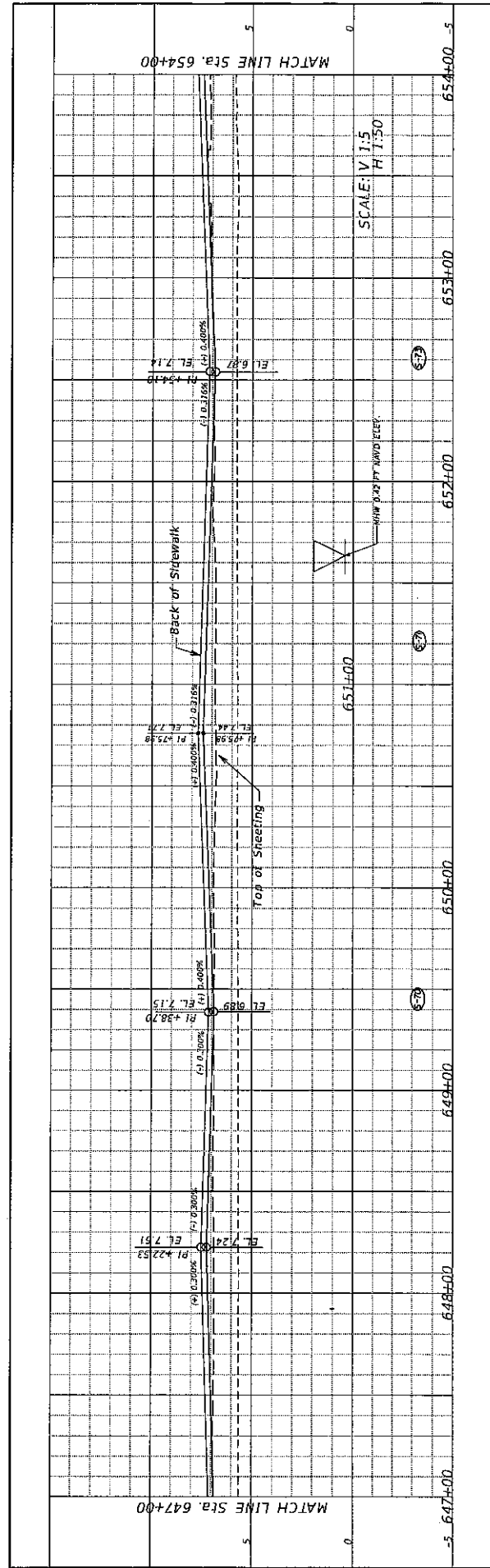
SHEET NO.
BW-17

WALL ELEVATION TABLE



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

		REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION		
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 <i>(1 OF 3)</i>	
		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
		A/A	BROWARD	433688-4-52-01	
				SHEET NO.	BW-18



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

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		AS-BUILT SHEET PILE PROFILE (2 OF 3)	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
A1A	BROWARD	433888-4-52-01	BW-19

FOOT DISTRICT IV
S. J. BRIDGES, P.E.
3400 WEST COMMERCIAL BLVD.
FORT LAUDERDALE, FL 33309

11/21/2013 6:27:29 PM 433888-4-52-01\Drawn\UT1519\Sheet\BW-19.dwg

REINFORCING BAR LIST														
MARK	SIZE	DES	LENGTH	IN	NO.	TYPE	STY	A	G	FT	IN	FR	FT	IN
TYPICAL WALL SECTION WITH EXISTING SHEET PILE														
TYPICAL WALL SECTION WITHOUT EXISTING SHEET PILE														
ENTRANCE TYPED NO. REQUIRED=8														
5	W01	5	0	1996	1	5	0							
4	W02	1	8	2593	1	1	8							
6	W03	5	4	3950	1	3	4							
5	W04	4	8	6384	1	4	10							
5	W05	4	8	6384	1	4	8							
9-Gauge Galvanized Steel Wire - 665 lbs														
5	W06	5	0	2164	1	5	0							
5	W07	7	8	3246	1	7	8							
5	W08	7	2	3246	1	5	6							
5	W09	4	9	3246	1	4	10							
4	W10	3	4	3787	1	3	4							
9-Gauge Galvanized Steel Wire - 2701 lbs														
5	W11	5	0	32	1	5	0							
4	W12	1	8	48	1	1	8							
5	W13	10	8	64	1	9	0							
5	W14	4	8	72	1	4	10							
5	W15	5	0	64	1	5	0							
Step & Step														
5	B21	6	5	2	1	6	5							
4	B22	6	8	7	13	5	8							
3	B23	1	6	7	11	0	6							
3	B24	10	0	15	1	10	0							
Shower Column														
5	H01	8	10	4	1	8	10							
3	H02	2	11	19	24	0	9							
5	H03	2	6	4	10	1	8							
4	H04	3	6	10	1	3	6							
Concrete Column Wrap														
5	C01	1	8	28	1	1	8							
4	C02	28	0	3	24	2	2							
5	C03	2	6	125	10	1	8							
4	C04	8	10	22	1	8	10							
Concrete Shell Wrap														
4	S01	6	6	34	1	6	6							
4	S02	27	4	11	24	2	2							
4	S03	2	6	34	10	1	8							
4	S04	8	11	22	1	8	11							
4	S05	11	3	6	4	4	3							
4	S06	3	11	46	10	2	2							
4	S07	1	9	46	1	1	9							
6x6-W2 9xW2.9 WWM - 440 lbs														
5	W06	5	0	2164	1	5	0							
5	W07	7	8	3246	1	7	8							
5	W08	7	2	3246	1	5	6							
5	W09	4	9	3246	1	4	10							
4	W10	3	4	3787	1	3	4							
9-Gauge Galvanized Steel Wire - 53 lbs														
5	W06	5	0	2164	1	5	0							
5	W07	7	8	3246	1	7	8							
5	W08	7	2	3246	1	5	6							
5	W09	4	9	3246	1	4	10							
4	W10	3	4	3787	1	3	4							

ENTRANCE TYPE A AND B NO. REQUIRED = 6														
Concrete Back Wall		5	W06	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			"g" varies from 5'-5" to 6'-0"
5	W09	4	8	30	1	4	10							
4	W10	3	4	35	1	3	4							
Step & Step														
5	S01	81	2	2	1	81	2							Cut to fit
5	S02	10	0	11	1	10	0							Cut to fit Pile Cap Length
5	S03	13	5	5	1	13	5							
Shower Column														
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														Numbers of Bar reflect 2 Shell Wraps
4	S01	6	6	68	1	6	6							Cut to fit height of walls
4	S02	27	4	22	24	2	2	4	0					Band to the shape of curve open
4	S03	2	6	68	10	1	8	0	10					(Feeding to Wall connection)
4	S04	8	11	44	1	8	11							Cut to fit Foundation
4	S05	11	3	12	4	4	3	1	6					
4	S06	3	11	92	10	2	2	1	9					Cut 1/2" to fit top Cap width
4	S07	1	9	92	1	1	9							Cut to fit top Cap width
6x6-W2 9xW2.9 WWM - 462 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			"g" varies from 5'-5" to 6'-0"
5	W09	4	8	24	1	4	10							
4	W10	3	4	28	1	3	4							
Step & Step														
5	B11	42	5	22	1	42	5							Cut to fit Slab
5	B12	21	4	44	1	21	4							Cut to fit Slab
Shower Column														
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 Column Wrap														Numbers of Bar reflect 2 Column Wraps
5	C01	1	8	56	1	1	8							
4	W01	28	0	6	24	2	2	3	9					Band to the shape of curve open
5	W02	2	6	250	10	1	8	0	10					
4	W03	8	10	44	1	8	10							Cut to fit Foundation
6x6-W2 9xW2.9 WWM - 361 lbs														
9-Gauge Galvanized Steel Wire - 20 lbs														

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
[Signature] 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

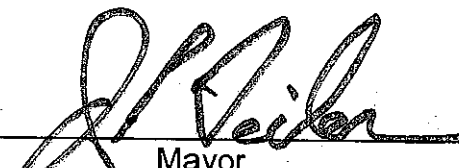
NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

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.

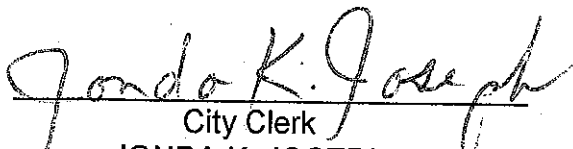
SECTION 2. That the office of the City Attorney shall review and approve as to form all documents prior to their execution by City officials.

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 5th 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 **\$984,757.50**.
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

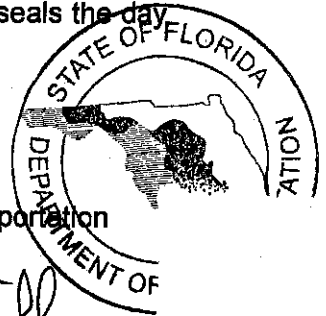
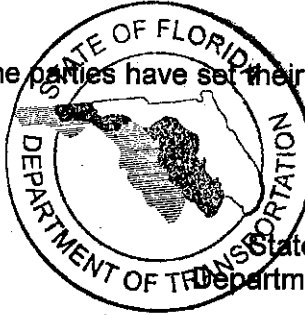
Exhibit D - Patterned Pavement Maintenance

Exhibit E - Approximate Cost For Landscape Improvements

In Witness whereof, the parties hereto have executed with this Amendment effective the 5th 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

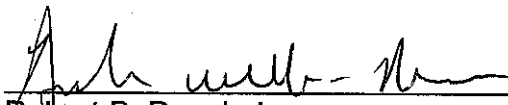
By 
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:


JONDA K. JOSEPH, City Clerk

Legal Review


~~Robert B. Dunekel~~
Assistant City Attorney

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

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:

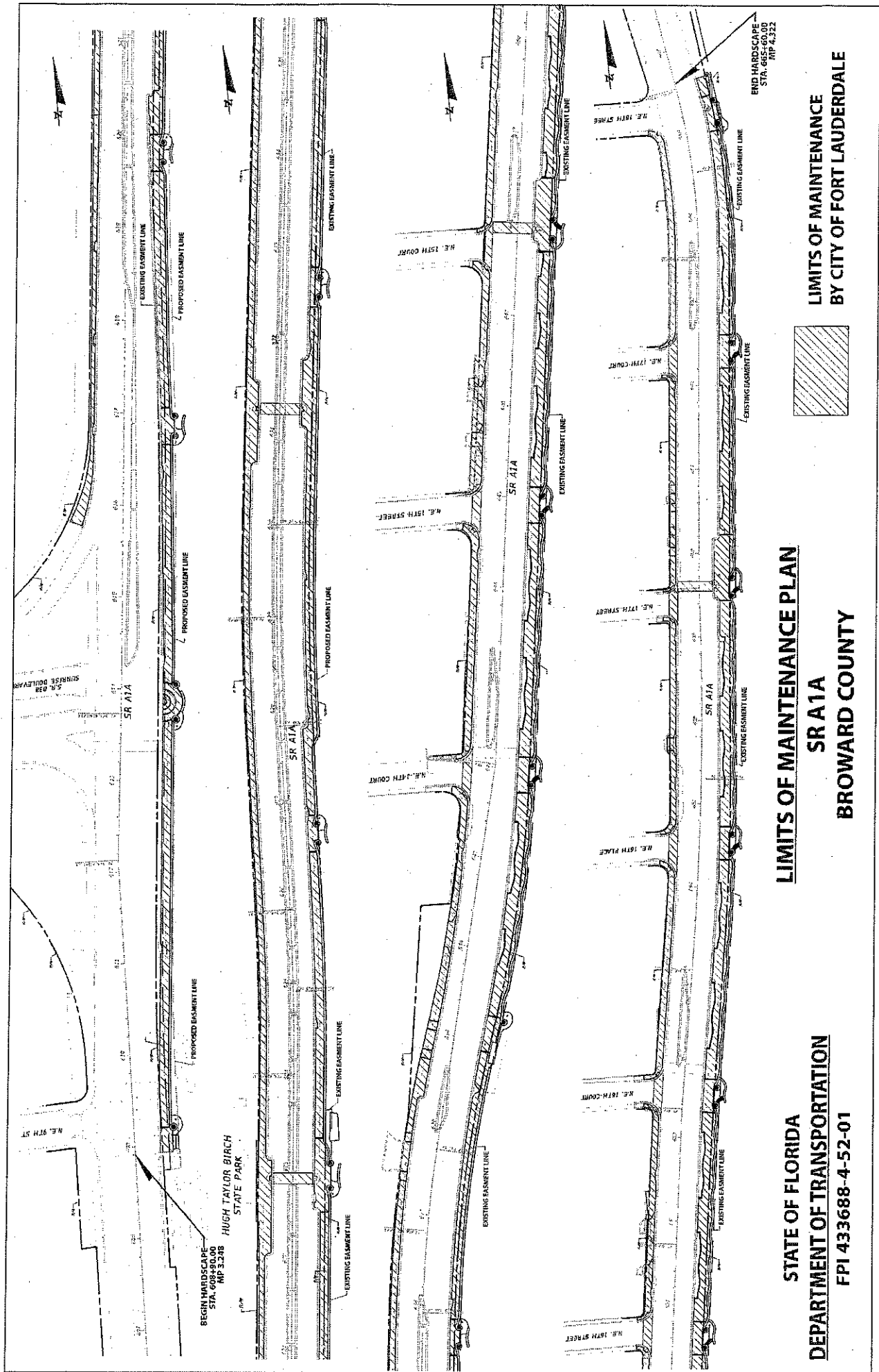
Project Located In North Fort Lauderdale Beach Area (Section 86050000):
(M.P. 2.039) (south of Poinsettia Street) to (M.P. 6.410) (Flamingo Drive)

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



LIMITS OF MAINTENANCE PLAN
SR A1A
BROWARD COUNTY

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
FPI 433688-4-52-01

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

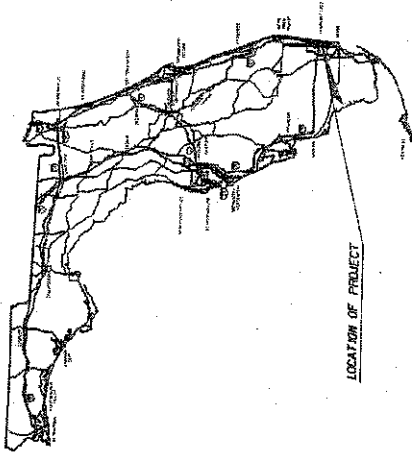
LANDSCAPE PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEYSHEET
LD-2	TABULATION OF QUANTITIES
LD-3	LANDSCAPE NOTES
LD-4 TO LD-6	LANDSCAPE DETAILS
LD-7 TO LD-10	SHEET LAYOUT
LD-11 TO LD-14	LANDSCAPE PLAN
LD-15 TO LD-21	IRRIGATION LAYOUT
LD-22 TO LD-23	IRRIGATION PLAN

CONSTRUCTION CONTRACT NO.



LOCATION OF PROJECT

LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:
BRUCE K. REED, R.L.A.
KEITH AND SCHNARS, P.A.
6800 NORTH ANDREWS AVE
F.T. LAUDERDALE, FL 33309
PESH-TC-386

PLANS PREPARED BY:
KEITH AND SCHNARS, P.A.
6800 N. Andrews Ave.
Ft. Lauderdale, FL 33309-2132

CERTIFICATE OF AUTHORIZATION NO. 1337
VENUE IDENTIFICATION NO. 59-406-SIF
CONTRACT NO. C-5962

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

BIDDABILITY SUBMITTAL
NOVEMBER 2013

KEY SHEET REVISIONS	
DATE	DESCRIPTION

LANDSCAPE PLANS
SUBMITTED FOR RECORD

R.L.A. NO. 100479

FISCAL YEAR	SHEET NO.	LD-1
14	14	LD-1

FDOT PROJECT MANAGER: SCOTT PETERSON, PE

15-12-2013

10/28/13

NOTES: THE ORIGINAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6100-10.01, F.A.C.

TABULATION OF QUANTITIES

PAY ITEM NO.	PAY ITEM DESCRIPTION	SHEET NUMBERS																TOTAL	GRAND TOTAL
		LD-8	LD-9	LD-10	LD-11	LD-12	LD-13	LD-14	LD-15	LD-16	LD-17	LD-18	LD-19	LD-20	LD-21	LD-22	LD-23		
526-1	PATTERNED INTERLOCK PAVING, ASPHALT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
526-1-1	PAVERS, ARCHITECTURAL, ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

IRRIGATION TABULATION OF QUANTITIES

PAY ITEM NO.	PAY ITEM DESCRIPTION	SHEET NUMBERS																TOTAL	GRAND TOTAL
		LD-24	LD-25	LD-26	LD-27	LD-28	LD-29	LD-30	LD-31	LD-32	LD-33	LD-34	LD-35	LD-36	LD-37	LD-38	LD-39		
500-20	IRRIGATION SYSTEM - 1 INCH WATER METERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
501-1-1	IRRIGATION SLEEVE, 2 IN DIAMETER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
501-1-2	IRRIGATION SLEEVE, 4 IN DIAMETER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PAY ITEM NOTES:

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

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT NO. 433588-4-52-G1 COUNTY BROWARD AIA		SHEET NO. LD-2	
PROJECT NO. 433588-4-52-G1 COUNTY BROWARD AIA		TABULATION OF QUANTITIES	

PAVER NOTES

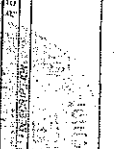
- 1) CERTIFICATION:
BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT THE FOLLOWING CERTIFICATION:
A) CERTIFIED CONCRETE PAVING INSTITUTE
INTERLOCKING CONCRETE PAVING INSTITUTE
2) ITEMIZED COSTS:
BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT A UNIT COST BREAKDOWN FOR EACH ITEM OF WORK.
3) MATERIALS:
NEW, UNUSED 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 MIX TO THE CITY OF FORT LAUDERDALE.
6) SUBGRADE DENSITY TESTING:
BEFORE INSTALLING THE LIMEROCK SUBBASE, PERFORM DENSITY TESTS ON THE SUBGRADE AT EACH SEPARATE PAVEMENT 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 PAVEMENT INSTALLATION AREA AND SUBMIT TEST RESULTS.
8) LIMEROCK BASE COURSE APPROVAL
BEFORE INSTALLING THE SAND BEDDING COURSE, REQUEST APPROVAL OF THE LIMEROCK 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) PAVEMENT LAYOUT APPROVAL AND INSTALLATION:
FOR EACH SEPARATE PAVEMENT INSTALLATION AREA, REQUEST DESIGN APPROVAL OF THE LAYOUT AND DISTRIBUTION OF THE PAVEMENT COLORS.
MAXIMUM JOINT LINE TOLERANCE IS 1/2 INCH OVER 50 FEET.

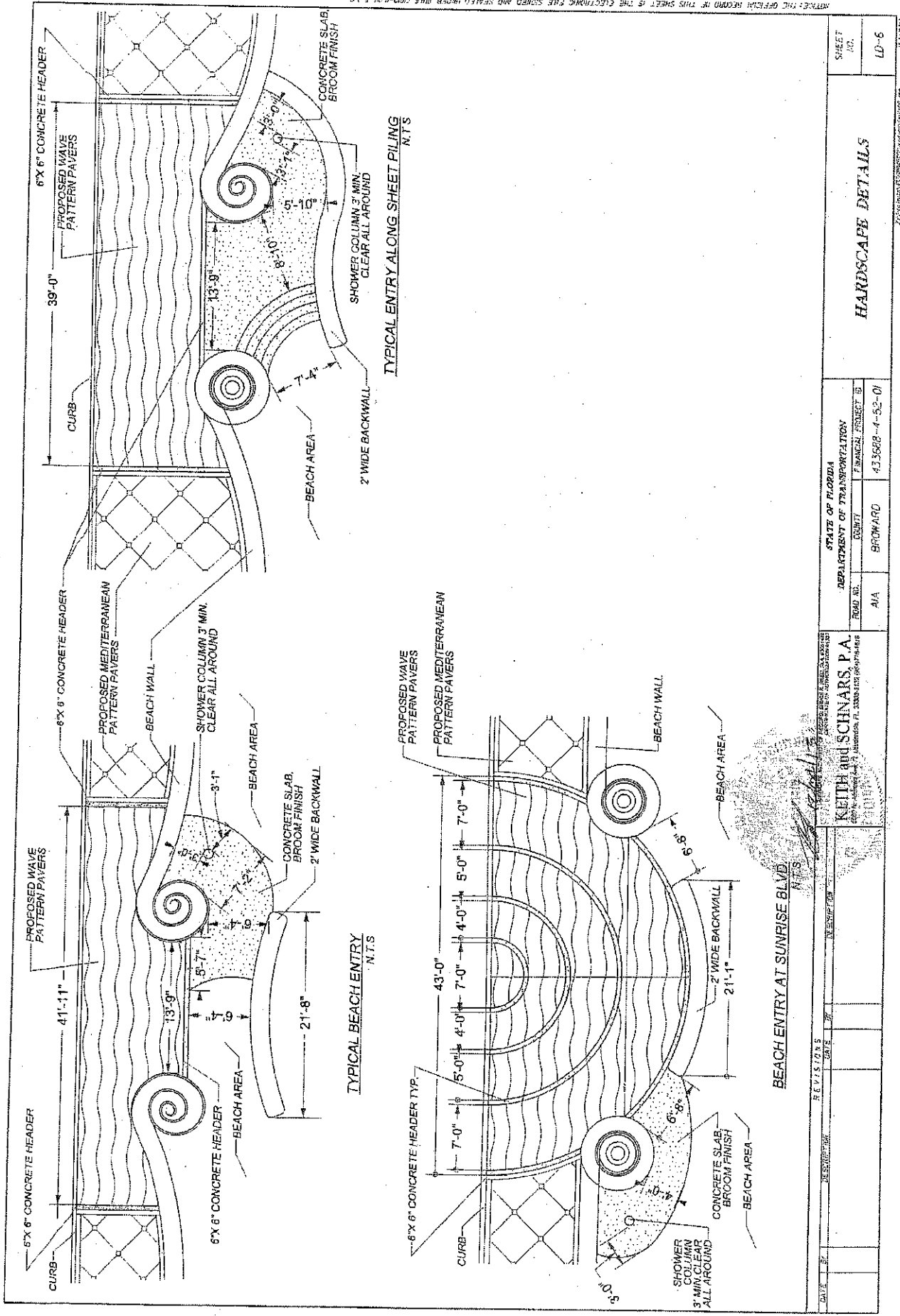
- 11) PAVEMENT COMPACTION:
VIBRATE PAVERS INTO THE SAND BEDDING COURSE USING A PLATE COMPACTOR WITH A RUBBER BASE CAPABLE OF 5000 POUNDS COMPACTION FORCE.
12) POLYMERIC JOINTING SAND:
APPLY DRY POLYMERIC JOINT SAND OVER DRY PAVERS AND SWEEP INTO THE JOINTS. PER MANUFACTURERS INSTRUCTIONS.
APPLY WATER 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	DATE	BY	DATE	BY	DATE	BY	DATE	BY
<div style="text-align: center;">  <p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION BRIAN A. BROWN, Director</p> </div>										
<div style="text-align: center;"> <p>KEITH and SCHNARS, P.A. 100 N. Andrews Ave., 11th Floor, Ft. Lauderdale, FL 33301-4411 (954) 571-1111</p> </div>										
PROJECT NO. 433688-4-52-01				DRAWING NO. 433688-4-52-01				SHEET NO. LD-3		
HARDSCAPE NOTES										

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 60D-4.04, F.A.C.



DATE		REVISIONS	DESCRIPTION	STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		HARDSCAPE DETAILS		SHEET NO.
1				ROAD NO.	COUNTY	FINANCIAL PROJECT ID				LD-6
2				AIA	BROWARD	435688-4-52-01				
KEITH and SCHNARS, P.A. 400 N. MIAMI AVENUE, SUITE 1100 MIAMI, FL 33136 (305) 576-1100										

N.T.S.

S.R. 838
SUNRISE BOULEVARD

NE 9TH ST

NE 14TH CT

NE 15TH ST

NE 15TH CT

NE 16TH ST

NE 16TH CT

NE 16TH PL

NE 17TH ST

NE 17TH CT

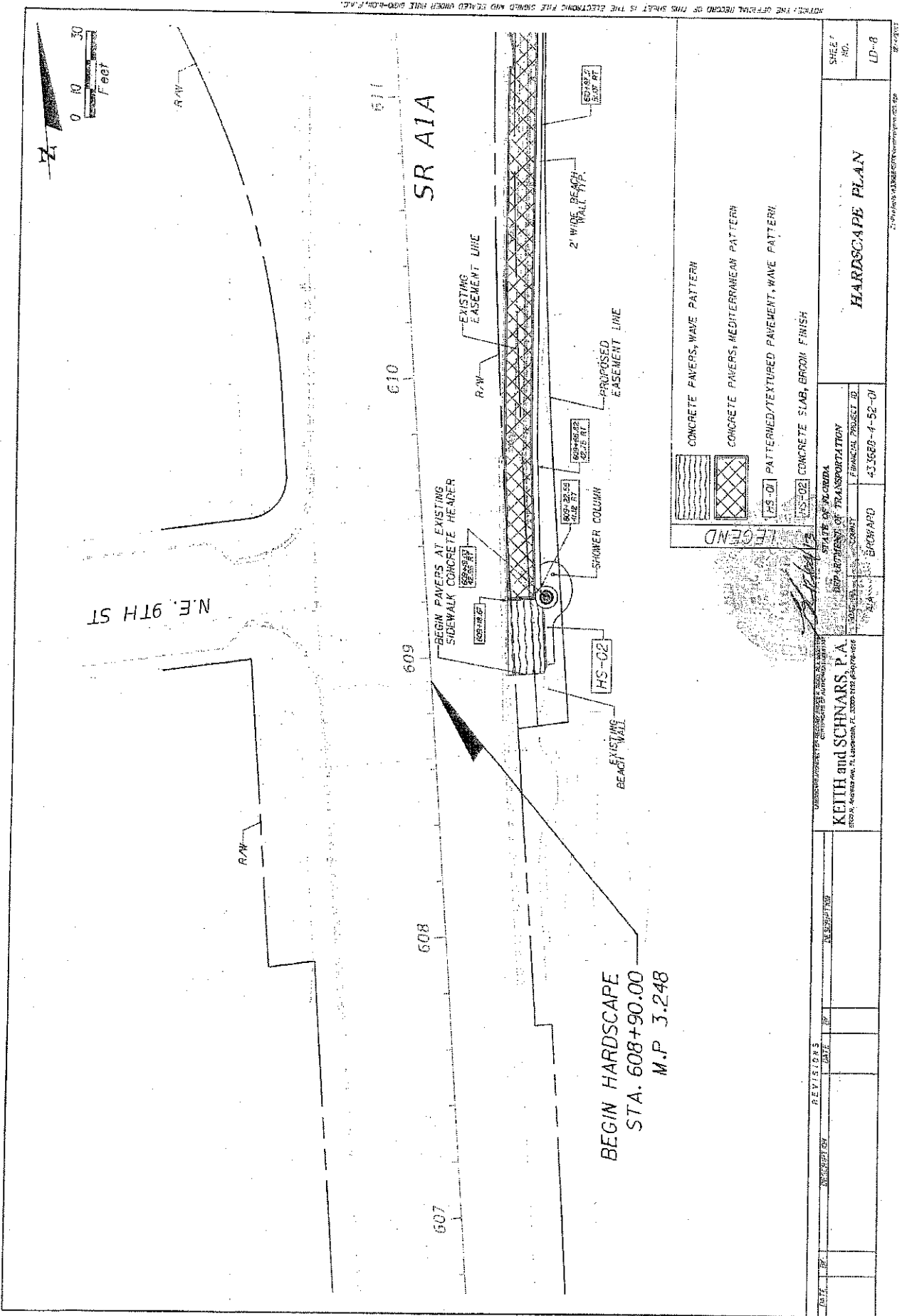
NE 18TH ST

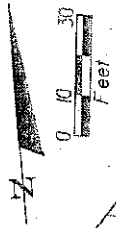
BEGIN HARDSCAPE
STA. 658+60.00
M.P. 3.246

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

LD-8 LD-9 LD-10 LD-11 LD-12 LD-13 LD-14 LD-15 LD-16 LD-17 LD-18 LD-19 LD-20 LD-21

DATE		REVISION	DATE	REVISION	DESCRIPTION
<div style="display: flex; justify-content: space-between;"> <div> <p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <p>KEITH and SCHWARTZ, P.A. 00001 A. SCHWARTZ, P.A. ENGINEER</p> </div> <div> <p>ROAD NO. 433659</p> <p>COUNTY BROWARD</p> <p>PROJECT ID 433659-a-52-01</p> </div> </div>					
SHEET LAYOUT					
SHEET NO. LD-7					





S.R. 838
SUNRISE BOULEVARD

PI STA 612+13.06
612

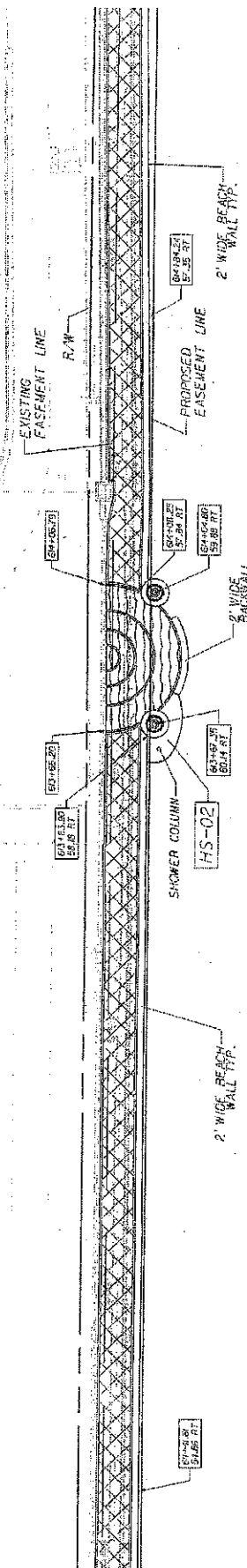
613

PI STA 613+22.73

614

615

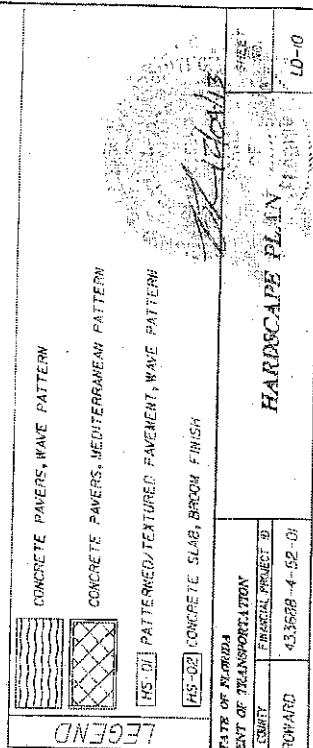
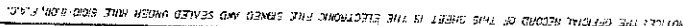
SR A1A



REVISIONS		DATE		DESCRIPTION	
DATE	BY	DATE	BY	DESCRIPTION	REVISIONS

COUNTY ASSIGNED TO THIS PROJECT: DADE COUNTY DESIGNER: KEITH and SCHNARS, P.A. CITY: MIAMI		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO.: A1A COUNTY: BROWARD PROJECT ID: 431888-4-52-01		SHEET NO.: LD-9
HARDSHIP PLAN				

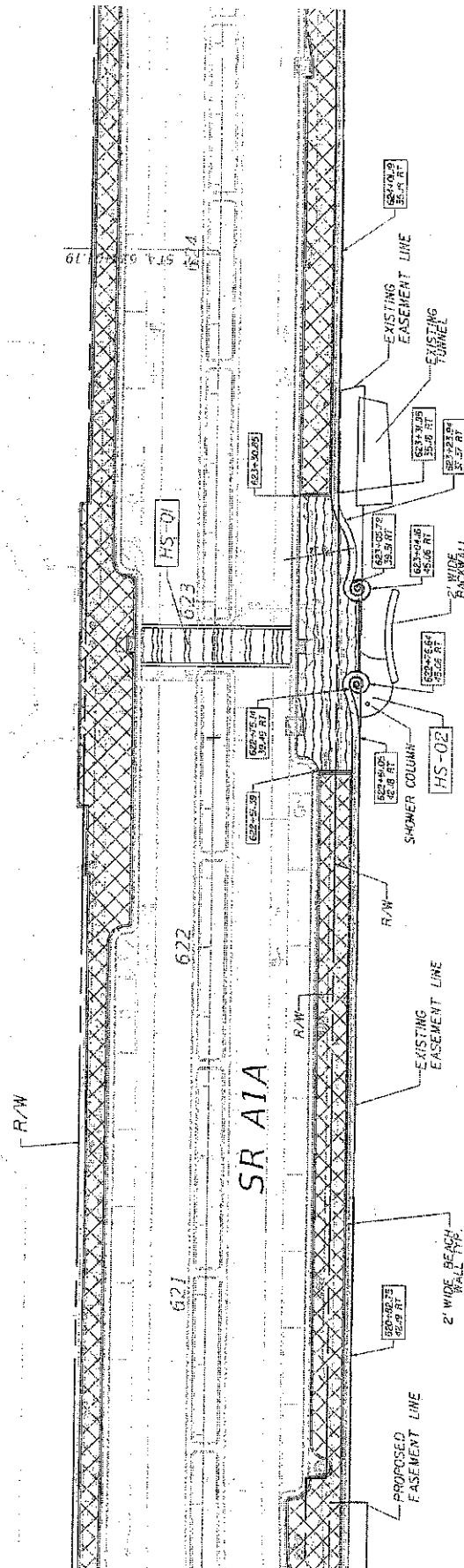
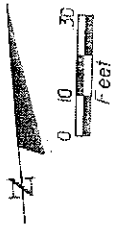
CONCRETE PAVERS, WAVE PATTERN 	CONCRETE PAVERS, MEDITERRANEAN PATTERN 	PATTERNED/TEXTURED PAVEMENT WAVE PATTERN 	CONCRETE SLAB, BROOM FINISH
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LANDSCAPE ARCHITECTS OF RECORD FOR THE
CONSTRUCTION OF THE NEW YORK PLAZA
KEITH and SCHNARS, P.A.
2500 N. Avenue Ave., Ft. Lauderdale, FL 33309-2437 (954) 778-1916

CAM 24-0805
Exhibit 1
Page 99 of 162

HUGH TAYLOR BIRCH STATE PARK

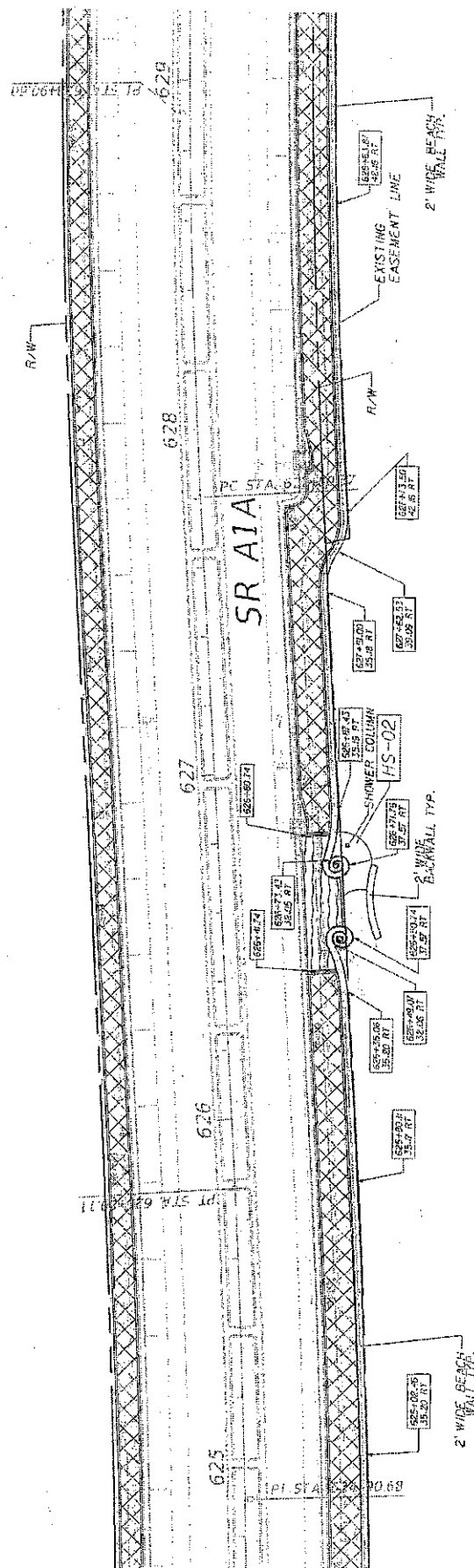
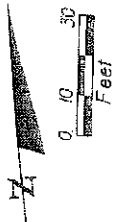


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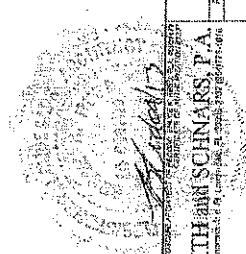
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	CONCRETE PAVERS, MEDITERRANEAN PATTERN
	PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
	CONCRETE SLAB, BROOM FINISH

REVISIONS DATE BY DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY FINANCIAL PROJECT ID ROAD NO. A/A BROWARD 433600-4-52-04		SHEET NO. ID-11
KEITH and SCHNARS, P.A. 1000 N. BROWARD AVE., P.O. BOX 1000, FORT LAUDERDALE, FL 33301-1000 PHONE: 352.453.1000 FAX: 352.453.1001		HARDSCAPE PLAN		

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEALED UNDER RULE 60D-10.01, F.A.C.

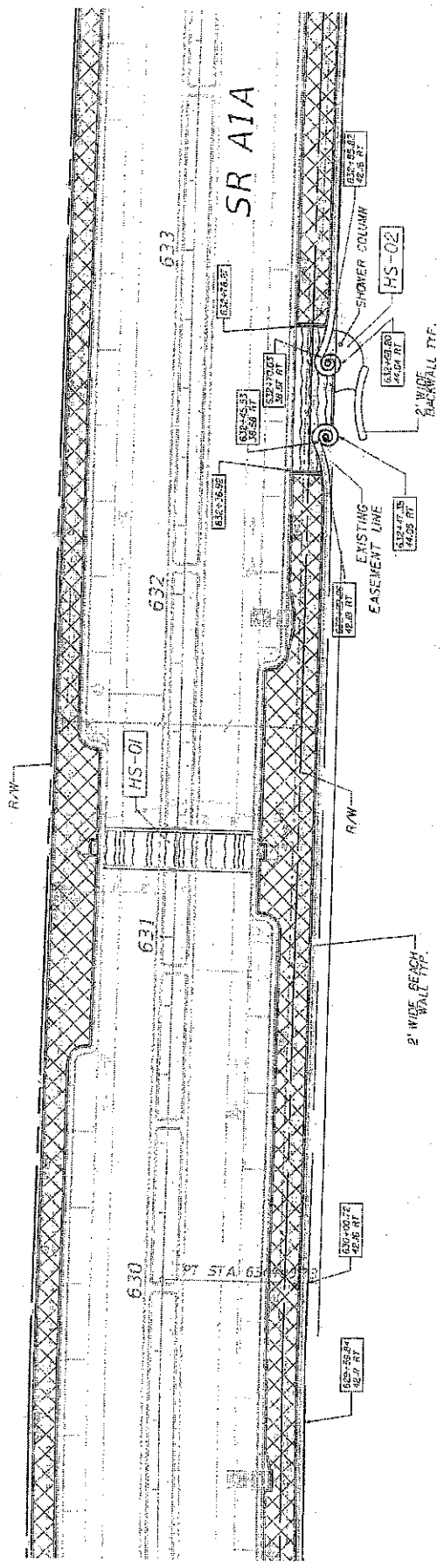
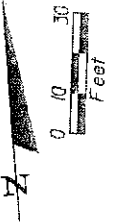


- LEGEND**
- CONCRETE PAVERS, WAVE PATTERN
 - CONCRETE PAVERS, MEDITERRANEAN PATTERN
 - PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
 - CONCRETE SLAB, BROOM FINISH



SHEET NO. LD-12	
PROJECT TITLE HARDSCAPE PLAN	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT NO. 1A COUNTY BROWARD PROJECT NO. 43356B-4-52-01	DRAWN BY KEITH S. SCHNARS, P.E. LICENSE NO. 43356B-4-52-01 EXPIRATION DATE 12/31/2021
REVISIONS DATE BY	DESCRIPTION

NOTES: THE SPECIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SHOWN AND SEALED UNDER RULE 60D-1.00, F.A.C.

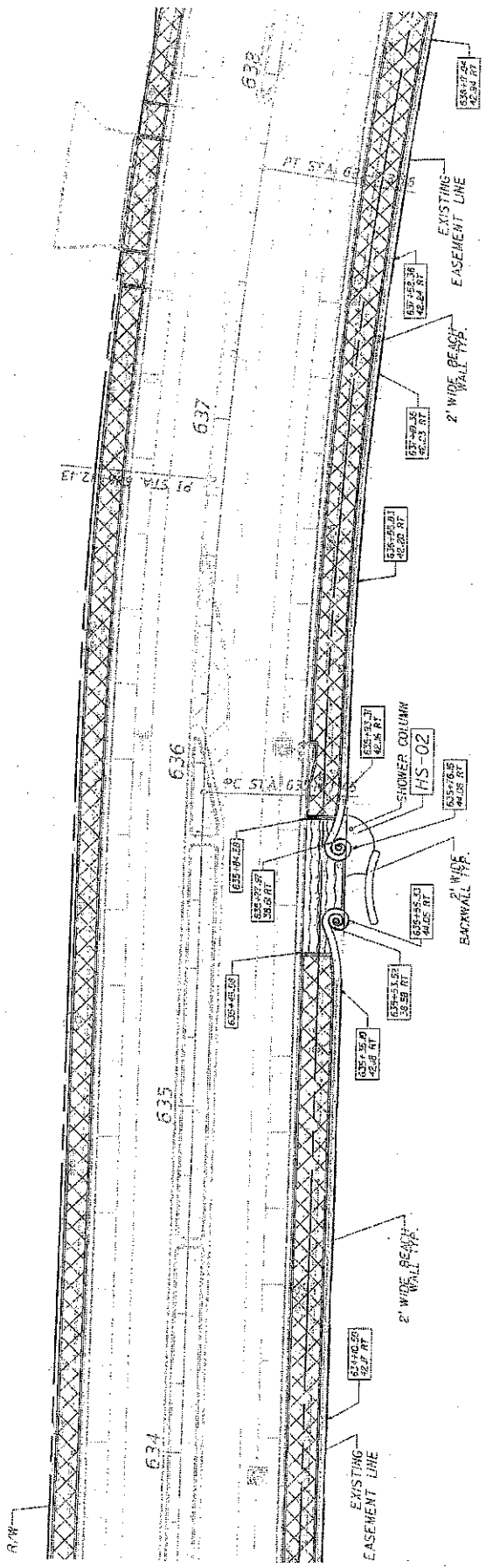
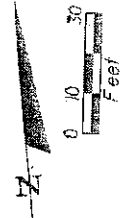


LEGEND

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

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD PROJECT NO. 435885-4-E2-01		SHEET NO. LD-13
PROJECT LOCATION: 1/4 MILE S OF SR 630, 1/4 MILE W OF SR 631, 1/4 MILE S OF SR 632, 1/4 MILE W OF SR 633		
DESIGNER: KEITH and SCHNARS, P.A. 1000 N. UNIVERSITY BLVD., SUITE 100, FORT LAUDERDALE, FL 33304-4000 PHONE: (954) 576-1000 FAX: (954) 576-1001 E-MAIL: info@ks-engineers.com		
DATE: 10/1/01	BY: [Signature]	CHECKED: [Signature]

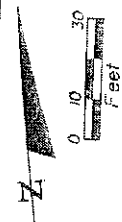
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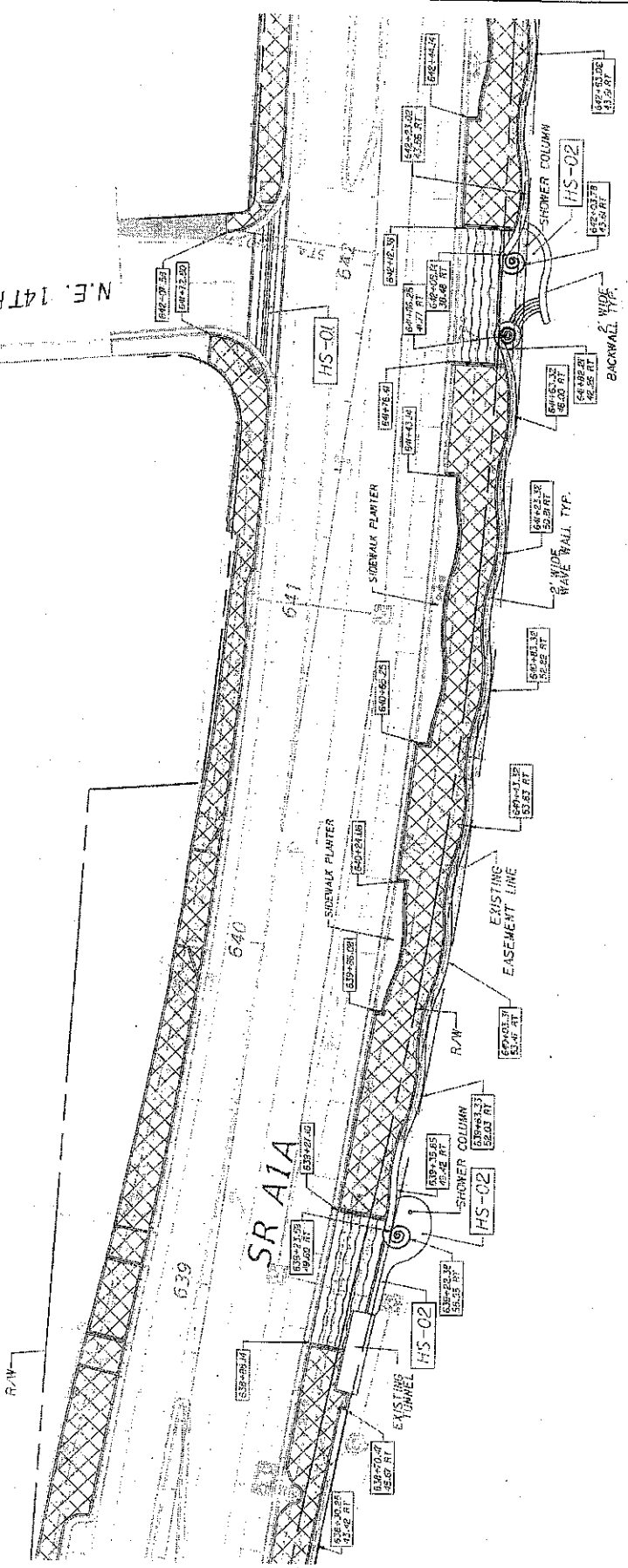
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	CONCRETE PAVERS, MEDITERRANEAN PATTERN
	PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
	CONCRETE SLAB, BROOM FINISH

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 43568-4-52-01	
COUNTY BROWARD		SHEET NO. 10-11	
DESIGNED BY KEITH and SCHNARS, P.A. 1100 N. Andrews Ave., Suite 1100, Fort Lauderdale, FL 33309-7141		DATE 10/1/10	
CHECKED BY [Signature]		DATE 10/1/10	
APPROVED BY [Signature]		DATE 10/1/10	



N.E. 14TH COURT



LEGEND

CONCRETE PAVERS, WAVE PATTERN

CONCRETE PAVERS, MEDITERRANEAN PATTERN

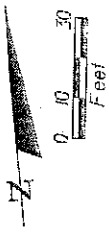
HS-01 PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN

HS-02 CONCRETE SLAB, BROOK FINISH

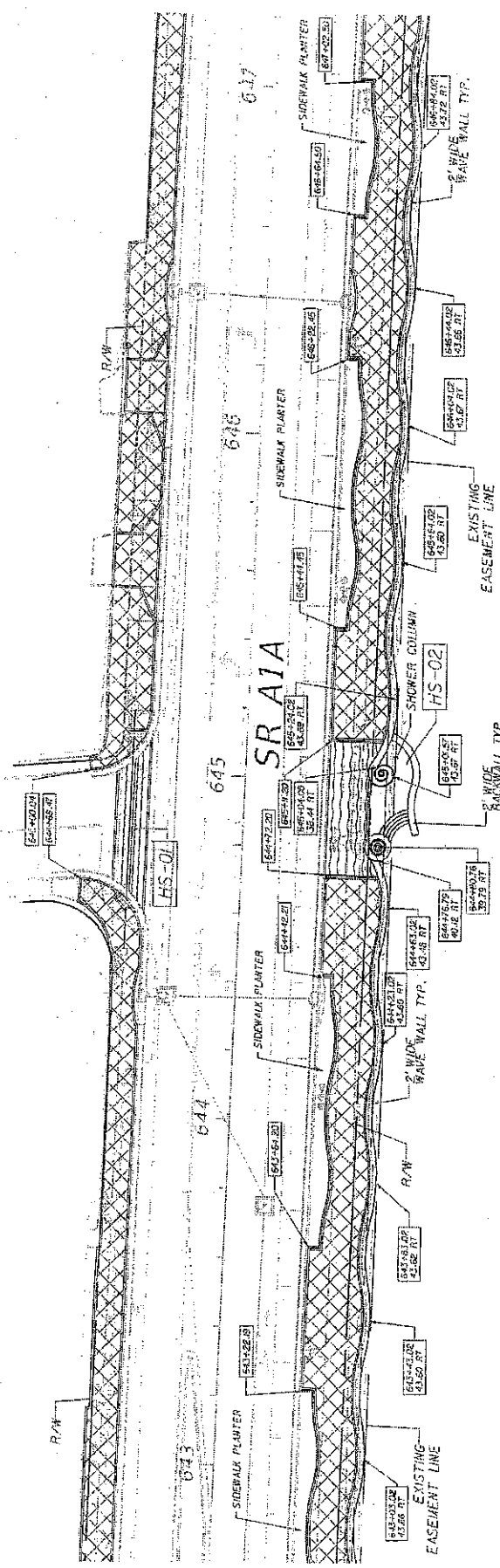


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 41A BRUNSWARD		SHEET NO. LD-15
PROJECT NO. 43568B-4-52-01 FINANCIAL PROJECT ID. 43568B-4-52-01		HARDSCAPE PLAN
KEITH and SCHNARS, P.A. 4800 N. UNIVERSITY AVE., SUITE 100, LAKELAND, FL 33809-2701		
REVISIONS DATE BY		

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 600-4.04, F.A.C.



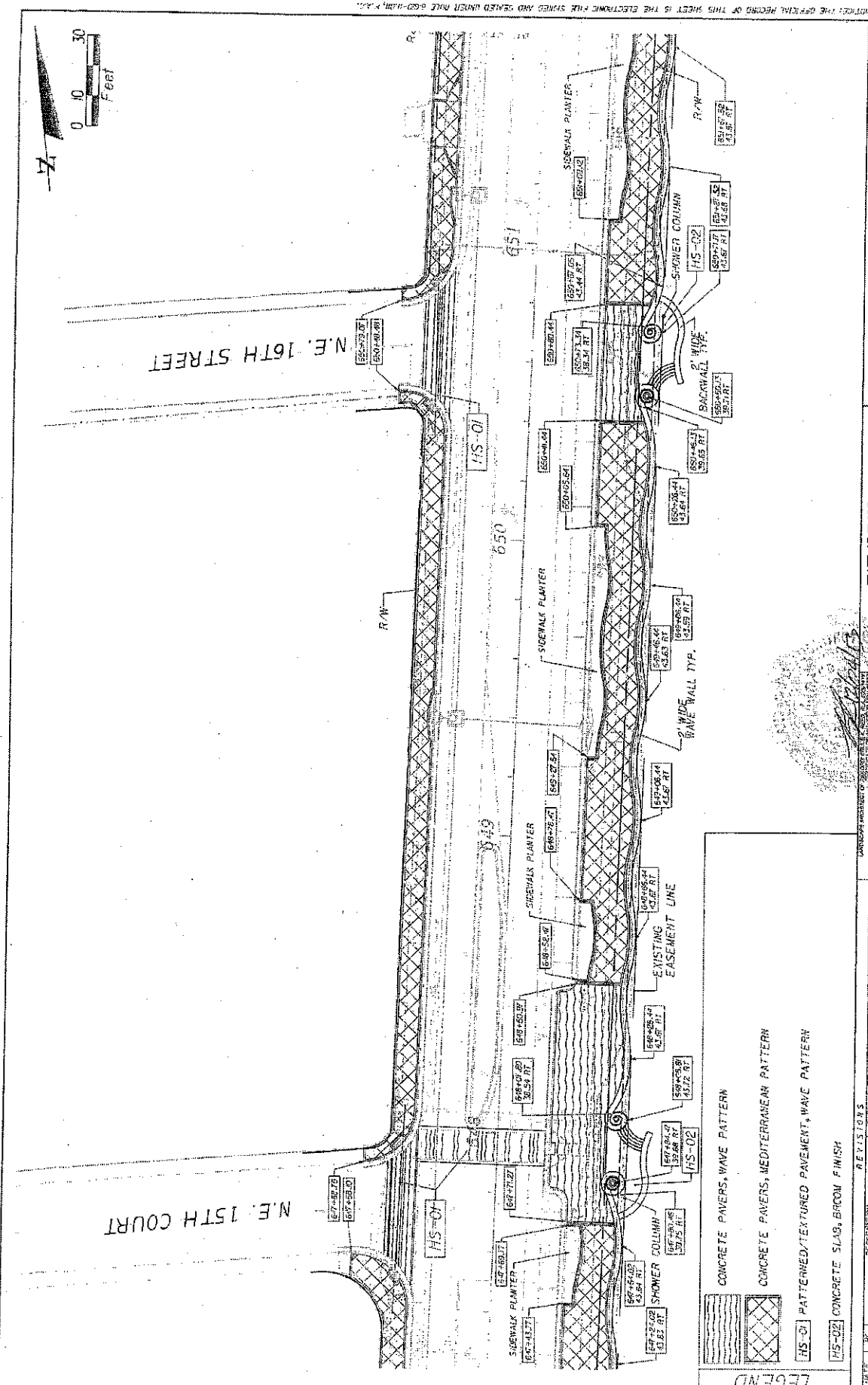
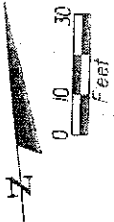
N.E. 15TH STREET



LEGEND

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

DATE		BY	REVISION	STATE OF FLORIDA		SHEET NO.	
12-21-14		02	REVISIONS	DEPARTMENT OF TRANSPORTATION		LD-15	
12-21-14		01	TOTAL	ROAD NO.		FINANCIAL PROJECT ID	
				COUNTY		HARDSCAPE PLAN	
				AIA		BROWARD 433658-4-52-01	
KEITH and SCHNARS, P.A. P.O. BOX 10000, FORT LAUDERDALE, FL 33402-1000							
DATE		DESCRIPTION	REVISIONS	DATE		BY	



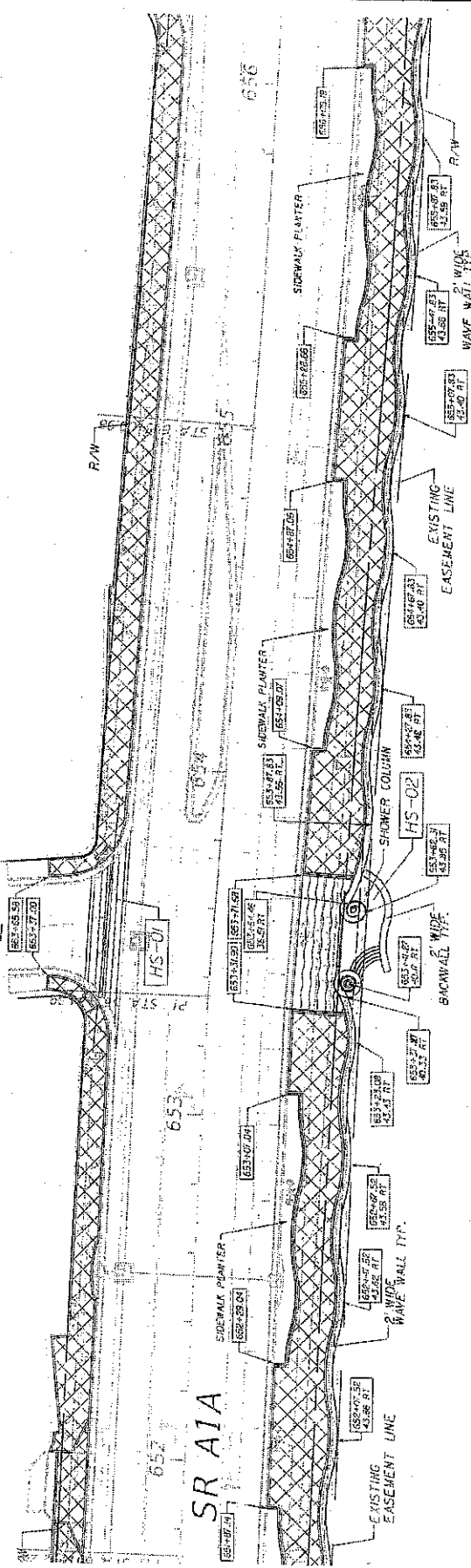
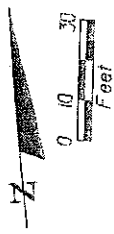
LEGEND

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

SHEET NO. 10-9	
HARDSCAPE PLAN	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
PROJECT NO. 433686-4-52-09	COUNTY BROWARD
ROAD NO. A1A	PROJECT BROWARD
CONTRACT NO. 433686-4-52-09	
CONTRACTOR KEITH and SCHNARS, P.A. 1000 N. American Ave., Ft. Lauderdale, FL 33304-1000	
DATE 10/13/13	REVISIONS DATE 10/13/13

NOTES: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 6D-0.001, F.S.

N.E. 16TH COURT

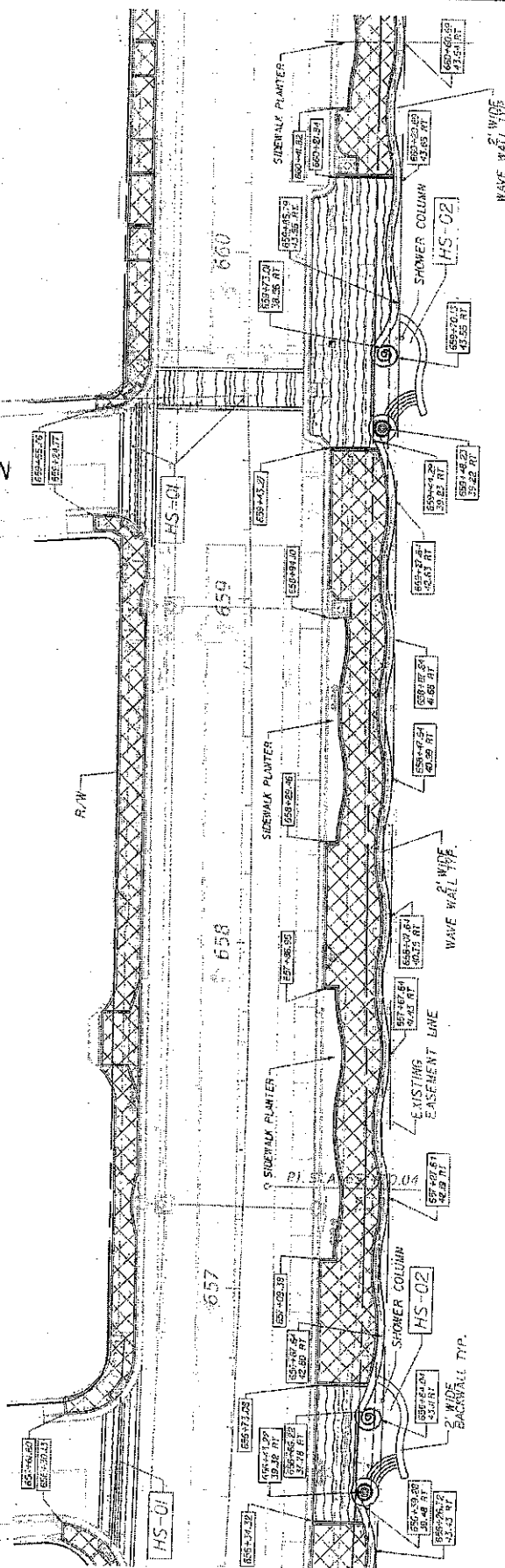


- LEGEND**
- CONCRETE PAVERS, WAVE PATTERN
 - CONCRETE PAVERS, MEDITERRANEAN PATTERN
 - HS-01 PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
 - HS-02 CONCRETE SLAB, BROOM FINISH



DATE: BY: DESCRIPTION: REVISIONS:		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY: PROJECT # SHEET NO. LD-18	
KEITH and SCHNARS, P.A. 6501 N. University Ave., Suite 100, Ft. Lauderdale, FL 33309-4101 AIA: BRWARD: 433608-4-52-01		HARDSCAPE PLAN	

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CONCRETE PAVING WAVE PATTERN

CONCRETE PAVERS, MEDITERRANEAN PATTERN

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
NOTIFICATION OF LAUREL WADSWORTH

ADULTERATION
COUNTY FINANCIAL

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KEITH and SCHNARS, P. A.

NETTLE and SCHNAK, P.A.
5000 N. JOURNISON AVE., #4, LANDSBERG, FL. 33408-9172, 954/770-5610

227-6747217215-003X Vol. 22, 1999, pp. 1-10, 10.1002/1522-2675(199901)22:1<1::AID-ZLLC1>3.0.CO;2-#

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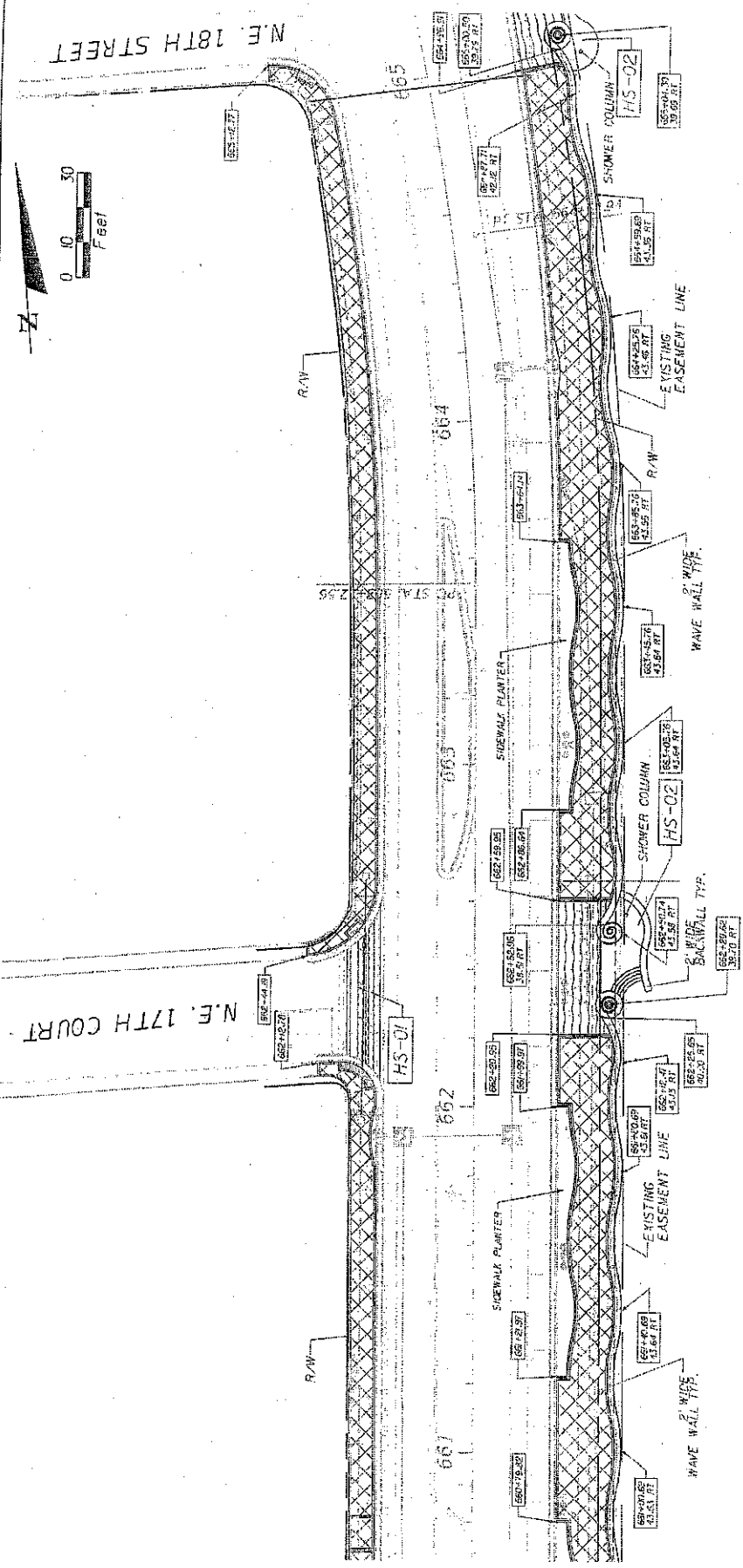
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- CONCRETE PAVERS, WAVE PATTERN
- CONCRETE PAVERS, MEDITERRANEAN PATTERN
- HS-01 PATTERNED/TEXTURED PAVEMENT, WAVE PATTERN
- HS-02 CONCRETE SLAB, BROOM FINISH

PROJECT NO. 433609-4-52-01 SHEET NO. LD-20	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD	PROJECT NO. 433609-4-52-01 SHEET NO. LD-20
PREPARED BY: KEITH and SCHNARS, P.A. 2500 N.W. 10th Avenue, Suite 200, Fort Lauderdale, FL 33309-1020 PHONE: (954) 576-1111 FAX: (954) 576-1112 E-MAIL: info@ks-engineers.com	
REVISIONS:	

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SUNRISE BOULEVARD
S.R. 838

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NE 18TH ST

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STA. 608+50.00
M.P. 3.3240

END IRRIGATION
STA. 655+50.00
M.P. 4.322

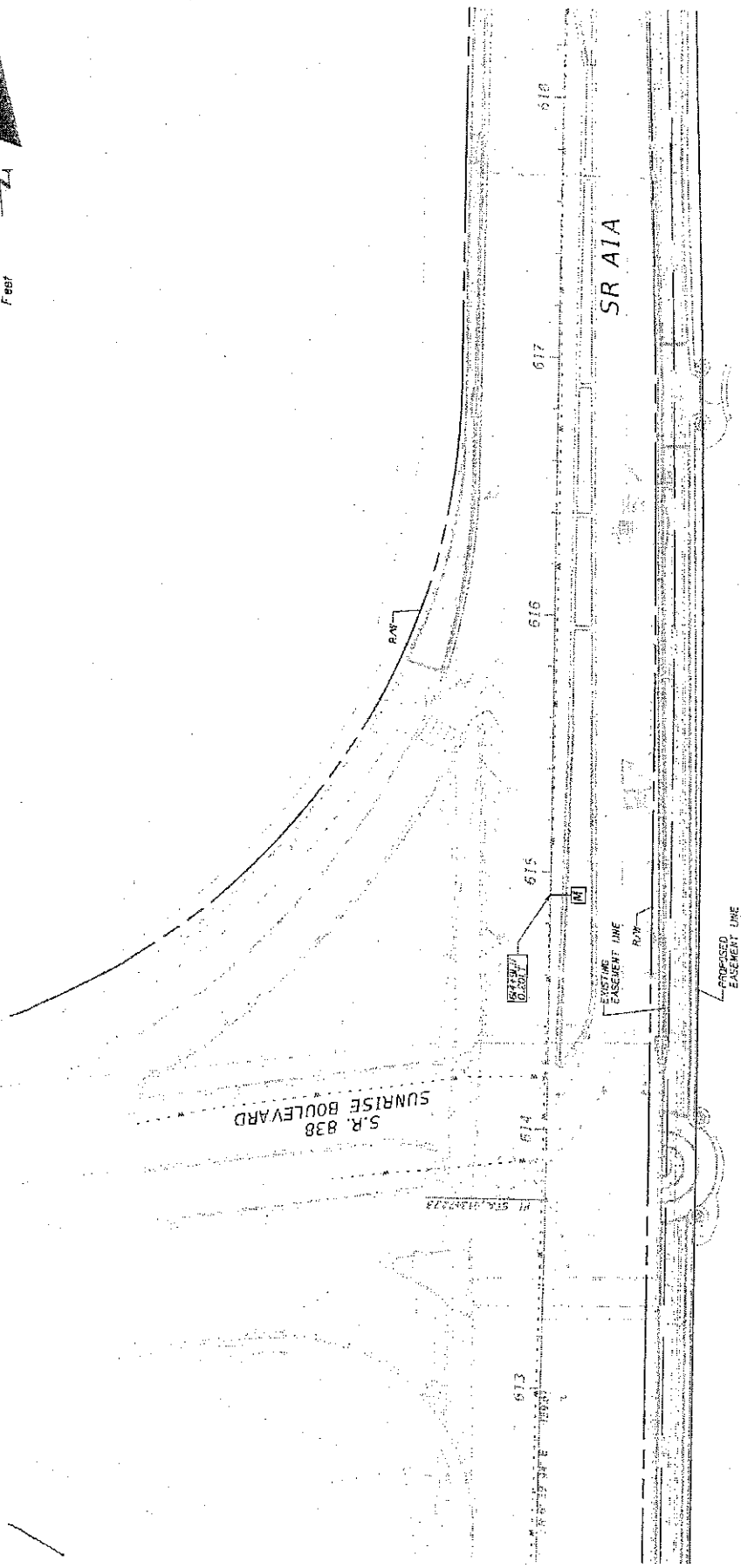
LD-23 LD-24 LD-25 LD-26 LD-27 LD-28 LD-29 LD-30 LD-31 LD-32

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET 10-22	
PROJECT NO. 433658-4-52-01		SHEET 10-22	
DESIGNER KEITH and SCHNARS, P.A. 8001A Avenue NW, Tallahassee, FL 32304-1001		PROJECT ID 433658-4-52-01	
ROAD NO. A1A		COUNTY BROWARD	
DATE 10/10/13		DATE 10/10/13	
REVISIONS		REVISIONS	
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NO SLEEVE INSTALLATION ON THIS SHEET

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10.4 INCH SLEEVE, SCHEDULE 40 PVC
10.2 INCH SLEEVE, SCHEDULE 40 GREY PVC

SHEET NO.
LD-24

IRRIGATION PLAN

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

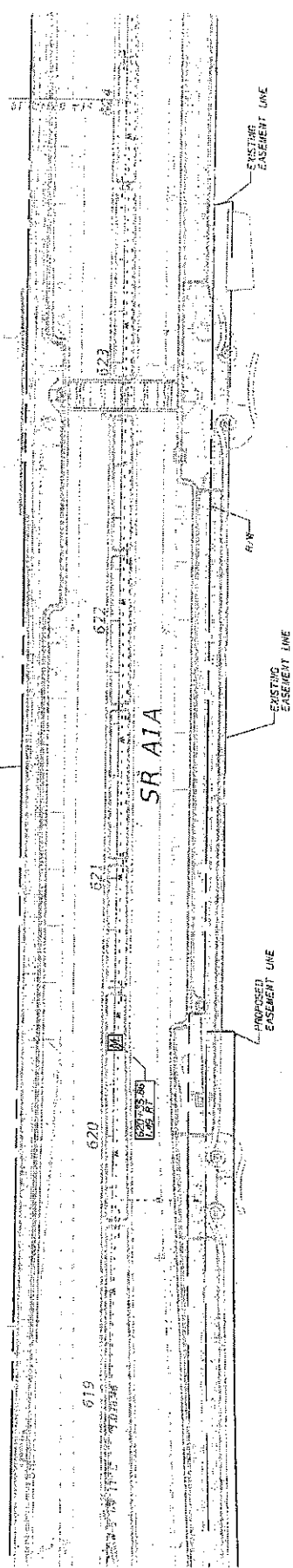
KEITH and SCHNARS, P.A.
1900 N. University Ave., Ft. Lauderdale, FL 33304-1111

DATE	BY	REVISION	DESCRIPTION



HUGH TAYLOR BIRCH STATE PARK

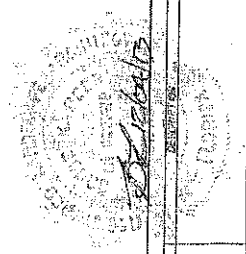
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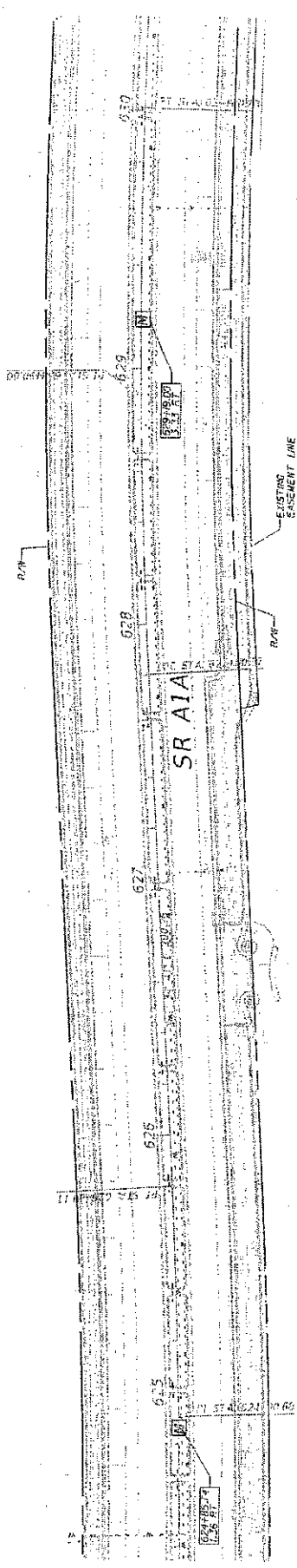
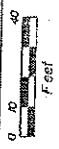
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- 11/2 INCH SLEEVE, SCHEDULE 40 GREY PVC

SHEET 471		LD-25	
IRRIGATION PLAN			
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 413E00-4-52-01	
ROAD NO. A1A	COUNTY BROWARD	FUNDING PROJECT ID	
CONTRACT NO. 413E00-4-52-01			
CONTRACTOR KEITH and SCHNARS, P.A. 3800 N. JOHNS AVE., F.L. LAUDERDALE, FL 33309-3100			
REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	



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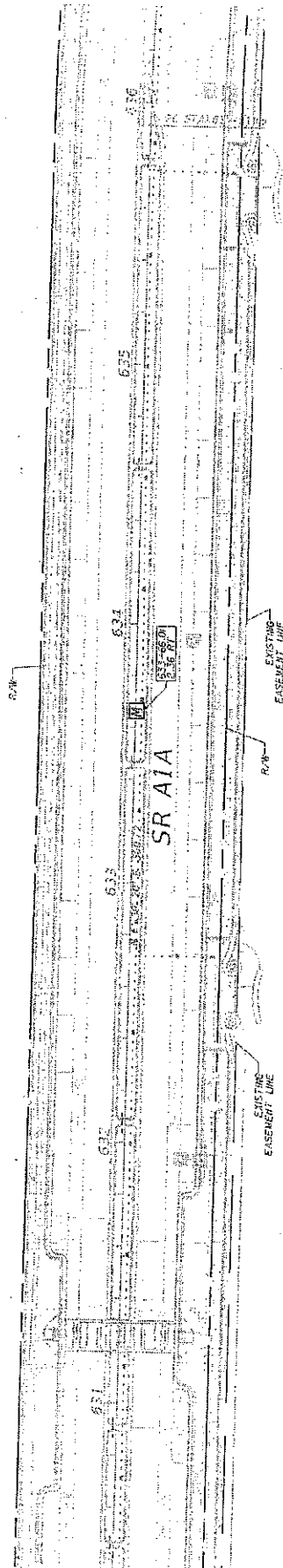
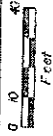


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- 1/4 INCH SLEEVE, SCHEDULE 40 PVC
- 1/2 INCH SLEEVE, SCHEDULE 40 GREY PVC

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 433688-4-52-01		SHEET NO. LD-26
COUNTY BROWARD		FISCAL YEAR 433688-4-52-01		
DESIGNED BY KEITH and SCHNARS, P.A. 10000 W. STATE ROAD 11, SUITE 200, WEST PALM BEACH, FL 33411-4070				
REVISIONS				
DATE	BY	DESCRIPTION	DATE	

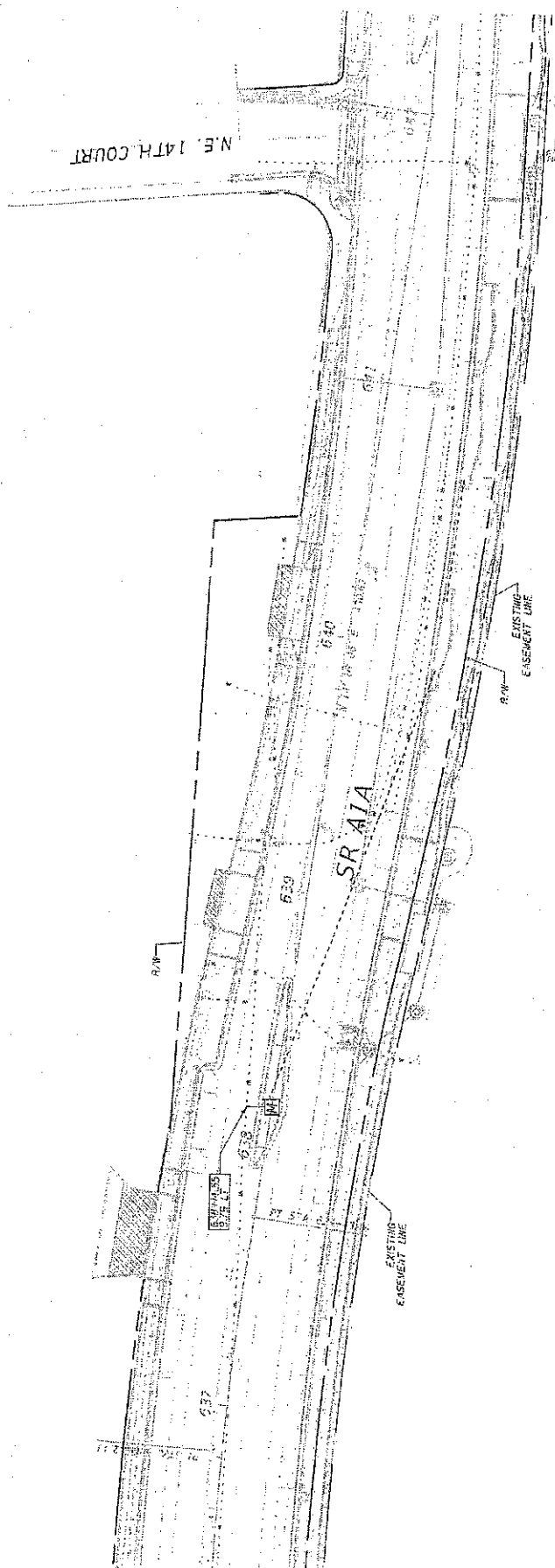


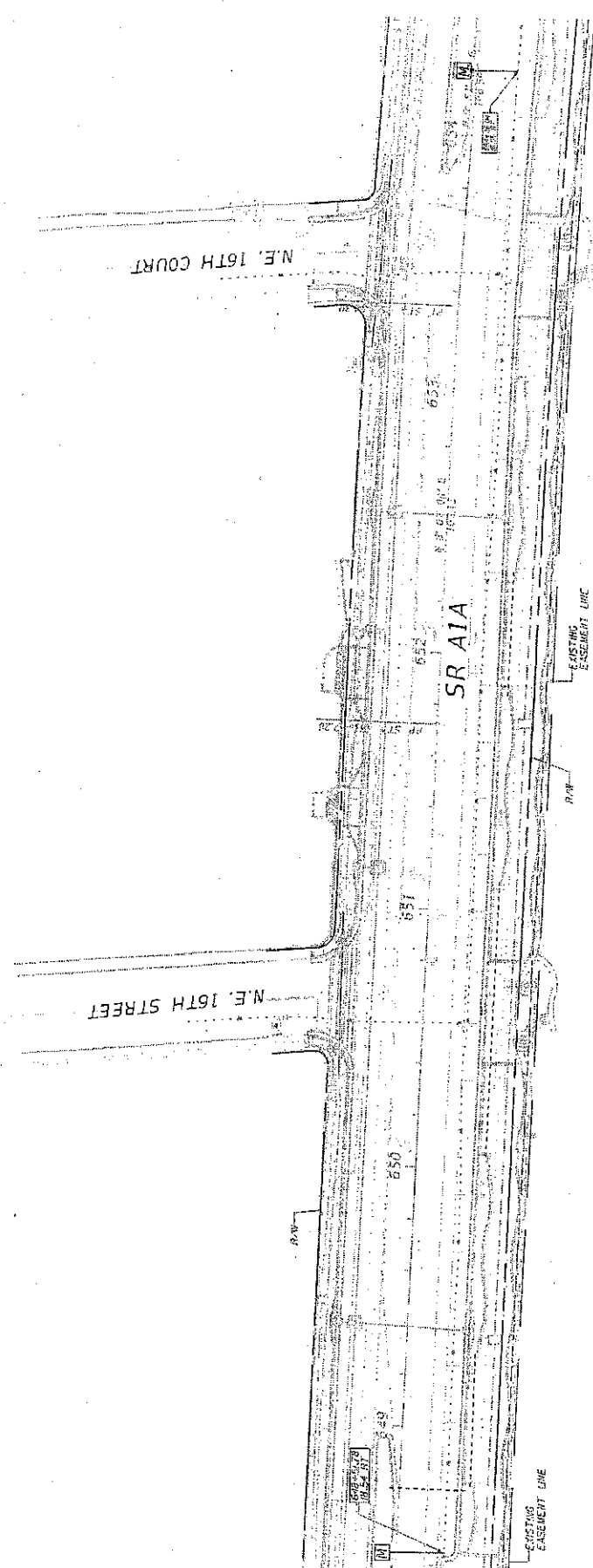


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11.4 INCH SLEEVE, SCHEDULE 40 PVC
11.2 INCH SLEEVE, SCHEDULE 40 GREY PVC

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 433628-A-52-D1		SHEET NO. 10-27	
ROAD NO. A1A		COUNT BROWARD		IRRIGATION PLAN	
DESIGNED BY KEITH and SCHNARS, P.A. 600 N. JOURNAL AVE. FT. LAUDERDALE, FL 33304 (954) 575-1100		CHECKED BY [Signature]		DATE [Date]	
REVISIONS		DATE		DESCRIPTION	

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10 2 INCH SLEEVE, SCHEDULE 40 GREY PVC

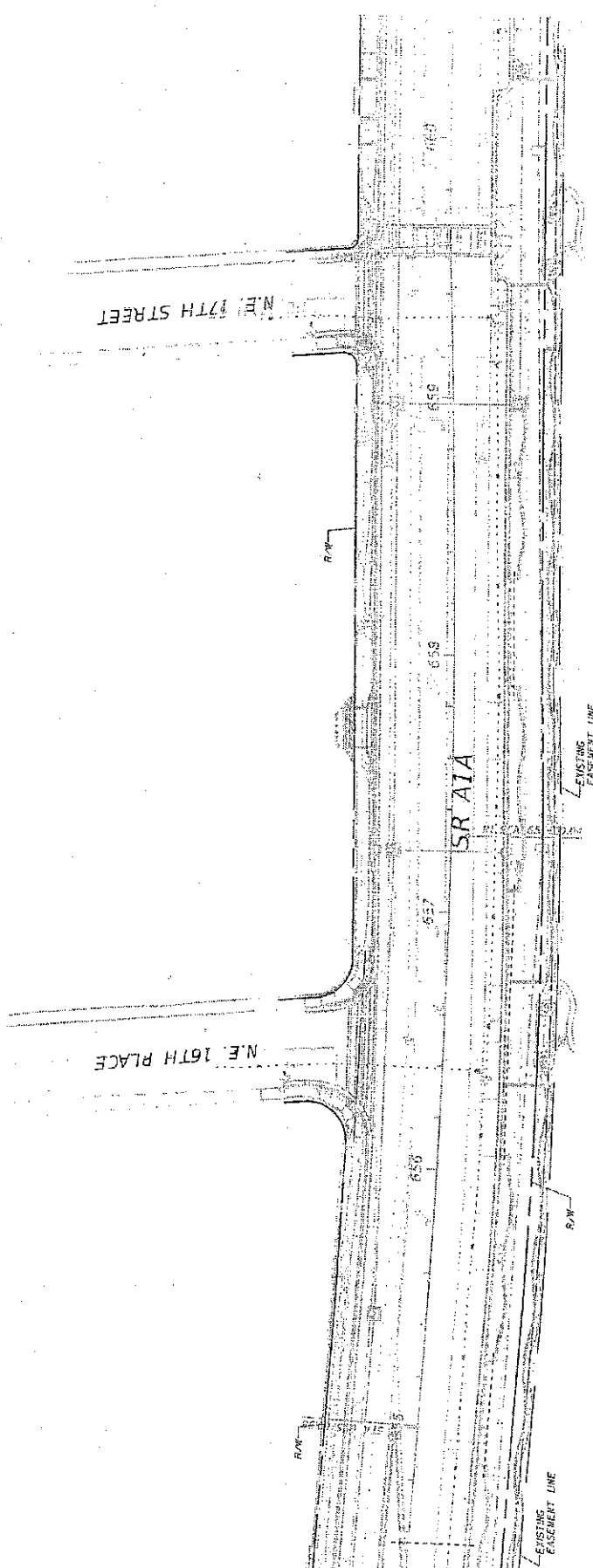
IRRIGATION PLAN

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
COUNTY
BRADFLORD
ROAD NO.
A1A
PROJECT NO.
433668-4-52-01

KEITH and SCHNARS, P.A.
18018 Avenida Ar. N. Leominster, FL 32646-1818

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(1) 2 INCH SLEEVE, SCHEDULE 40 GRP PVC

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IRRIGATION PLAN

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
DAD NO.	COUNTY	FINANCIAL PROJECT ID
61A	BROWARD	433688-4-52-01

KEITH and SCHNARS, P.A.
6600 N. Ardmore Ave., P.O. Box 1618
Tulsa, Oklahoma 74116-0168
Tel. 313-337-0301, 313-337-1618
FAX 313-337-0301
E-MAIL: keith@keithandschnars.com
WWW: www.keithandschnars.com

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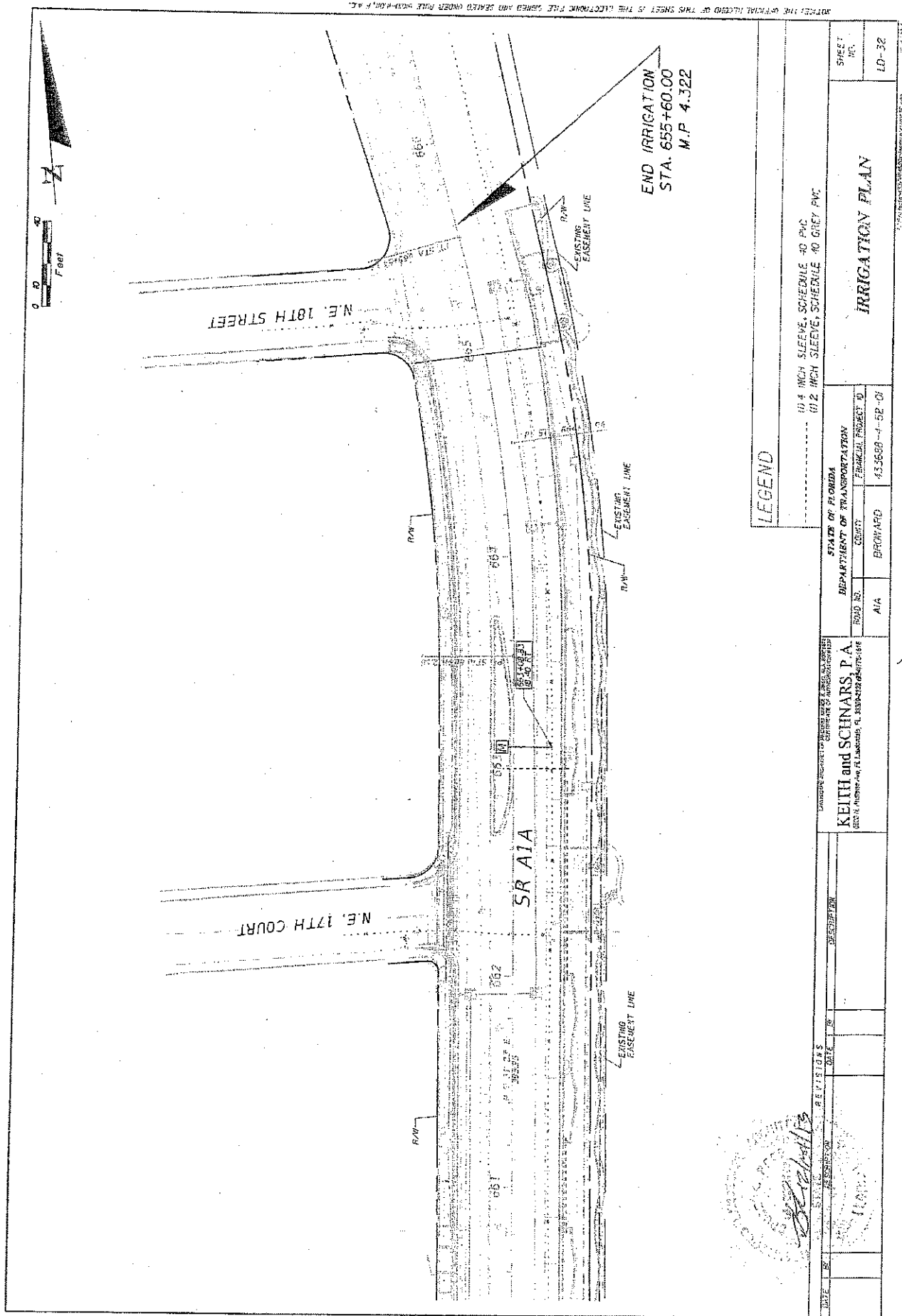
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SECTION No.: 860500
FM No.: 433688-4-52-01
COUNTY: Broward
S.R. No.: A1A

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. 1, 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

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

www.isa-arbor.com

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 2.11.5 Horizontal Clearance to Trees

Table 2.11.11 Recoverable Terrain

<http://www.dot.state.fl.us/rddesign/PPMManual/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

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.shtm

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

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

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

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

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

SECTION No.:	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 9th Avenue, Ft. Lauderdale, FL 33309 (954) 776-4300, with a cover letter either certifying, that the crosswalks comply with the minimum friction criteria, or stating what remedial action will be taken to restore the friction.
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.

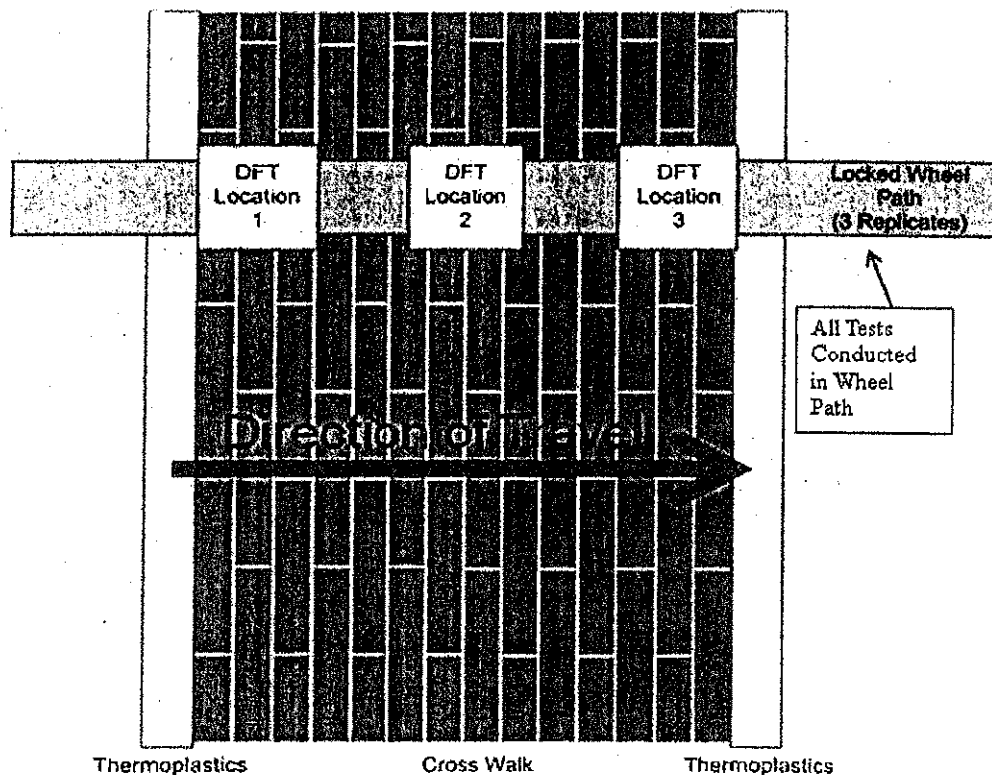


FIGURE 1 Testing protocol for patterned pavement.

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>.

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

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

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

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

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



PAY ITEM #	DESCRIPTION	SPECIFICATION	UNIT	QTY	UNIT PRICE MAT & LAB	SUB-TOTAL
523-1	PATTERNED/TEXTURED PAVEMENT	THERMO-SET STONE AGGREGATE	SY	579	\$67.50	\$39,082.50
526-1-1	PAVERS, ARCHITECTURAL	CONCRETE PAVERS 3 1/8 IN THICK	SY	11675	\$81.00	\$945,675.00
GRAND TOTAL =						\$984,757.50

EXHIBIT D

Landscape Maintenance Memorandum of Agreement with the City of Fort Lauderdale

SECTION #: 86050000
STATE ROAD: A1A
PROJECT #: 452467-1-52-01
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 5th, 2014, installed hardscape on State Road A1A from NE 9th Street to NE 18th Street, and Inclusive Amendment #9 dated May 7, 2015, installed landscape and irrigation on State Road A1A from NE 9th Street to NE 18th 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 14th 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 5th, 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 #: 452467-1-52-01
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 / 17th 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

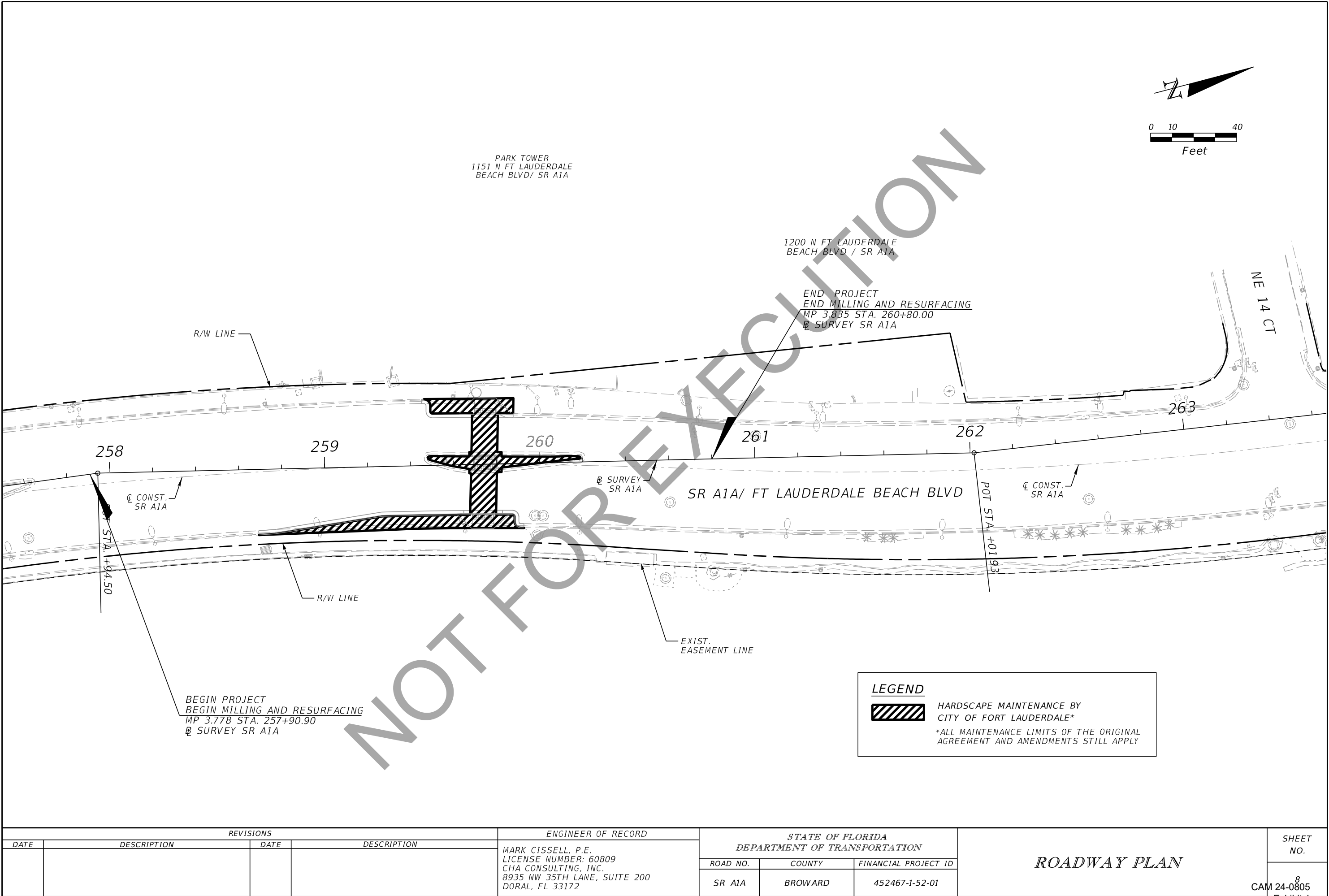
State Road A1A (N. Fort Lauderdale Beach Blvd.) south of N.E. 14th Court,
from MP 3.778 to MP 3.835

III. PROJECT MAINTENANCE BOUNDARY MAP*:

Please See Attached

*All limits of the original agreement and amendments shall apply

2/22/2024 11:32:47 AM 8121
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLAN	SHEET NO. 8 CAM 24-0805 Exhibit 1
DATE	DESCRIPTION	DATE	DESCRIPTION	MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR A1A	BROWARD	452467-1-52-01		

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 #: 452467-1-52-01
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

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 SEPARTE DIGITALLY SIGNED AND SEALED DOCUMENT.

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>

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROADWAY PLANS

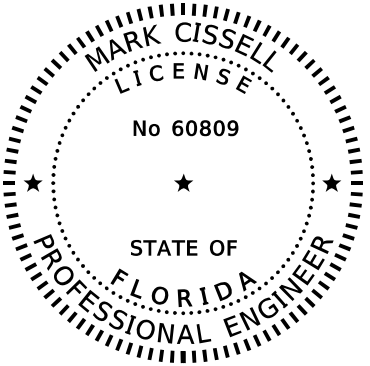
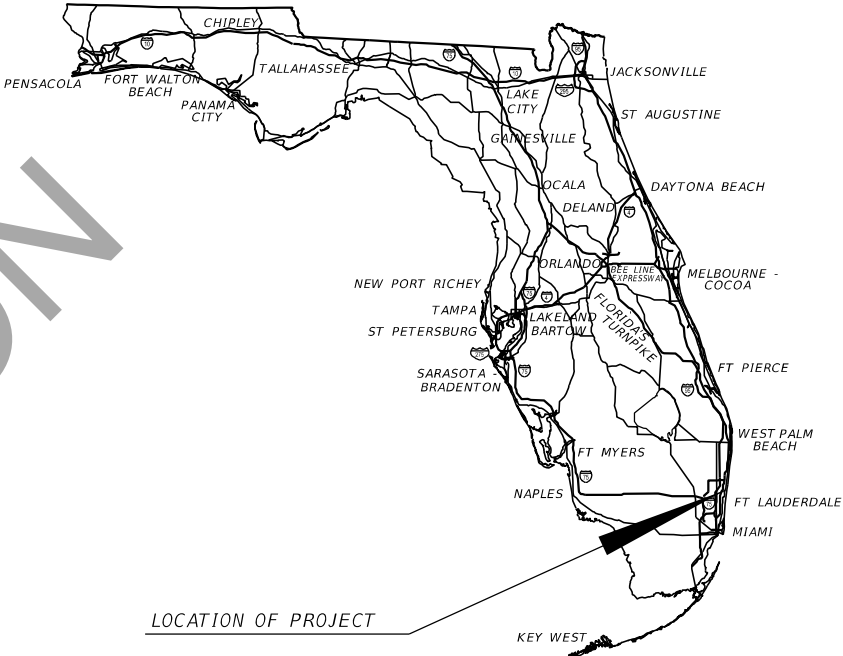
FINANCIAL PROJECT ID 452467-1-52-01, 452467-1-52-02
(FEDERAL FUNDS)
BROWARD COUNTY (86050)

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

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

BIDDABILITY SUBMITTAL
JUNE 2024

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.

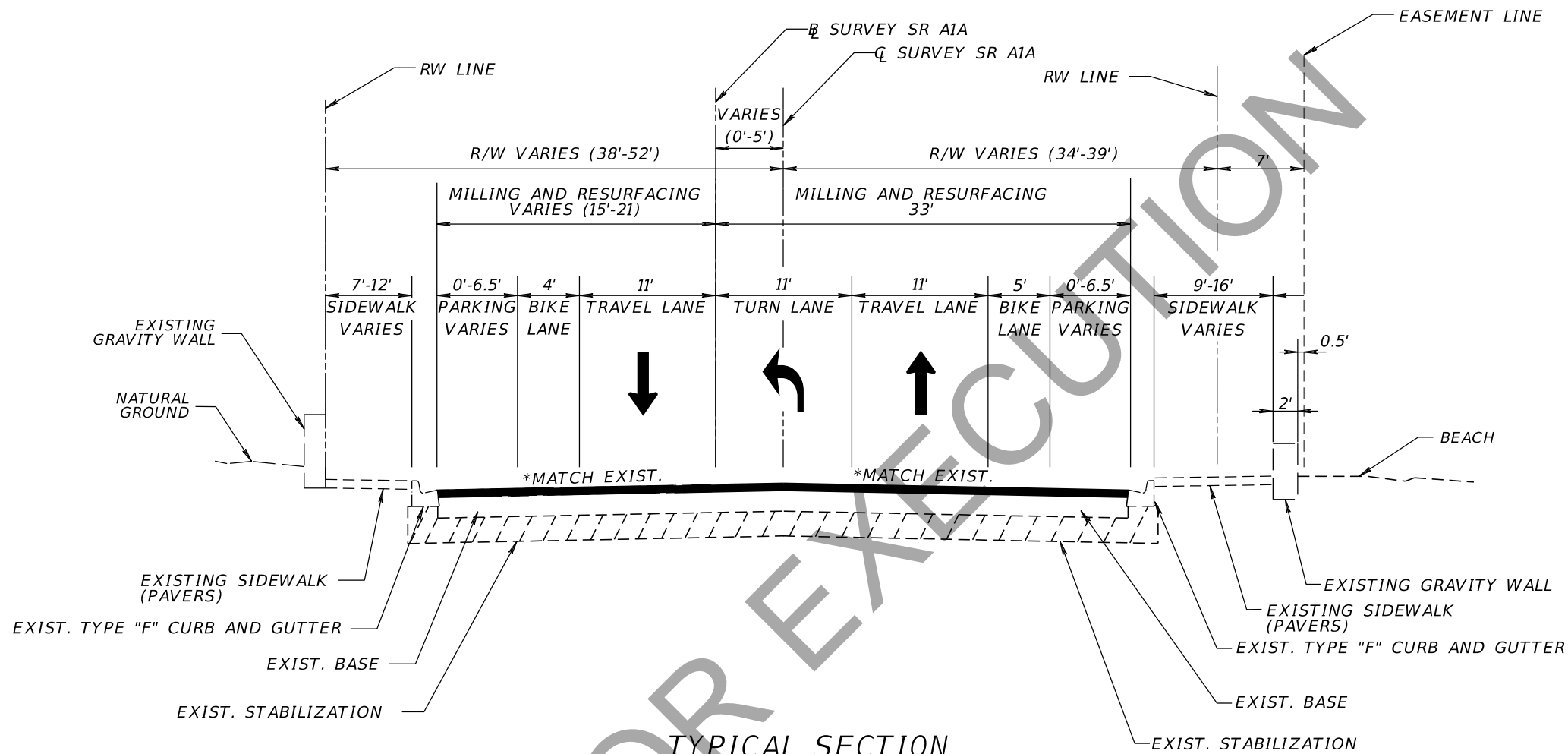
ROADWAY PLANS
ENGINEER OF RECORD:

MARK CISSELL, P.E.
P.E. LICENSE NUMBER 60809
CHA CONSULTING, INC.
8935 NW 35th LANE, SUITE 200
DORAL, FLORIDA 33172
CONTRACT NO.: CAK30
VENDOR NO.: 16-0966259

FDOT PROJECT MANAGER:

OMID FALLAHINEJAD, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T 4713	25	1



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 = 1.7%
DESIGN SPEED = 30 MPH
CONTEXT CLASSIFICATION = C3R

TRAVEL AND BIKE LANES

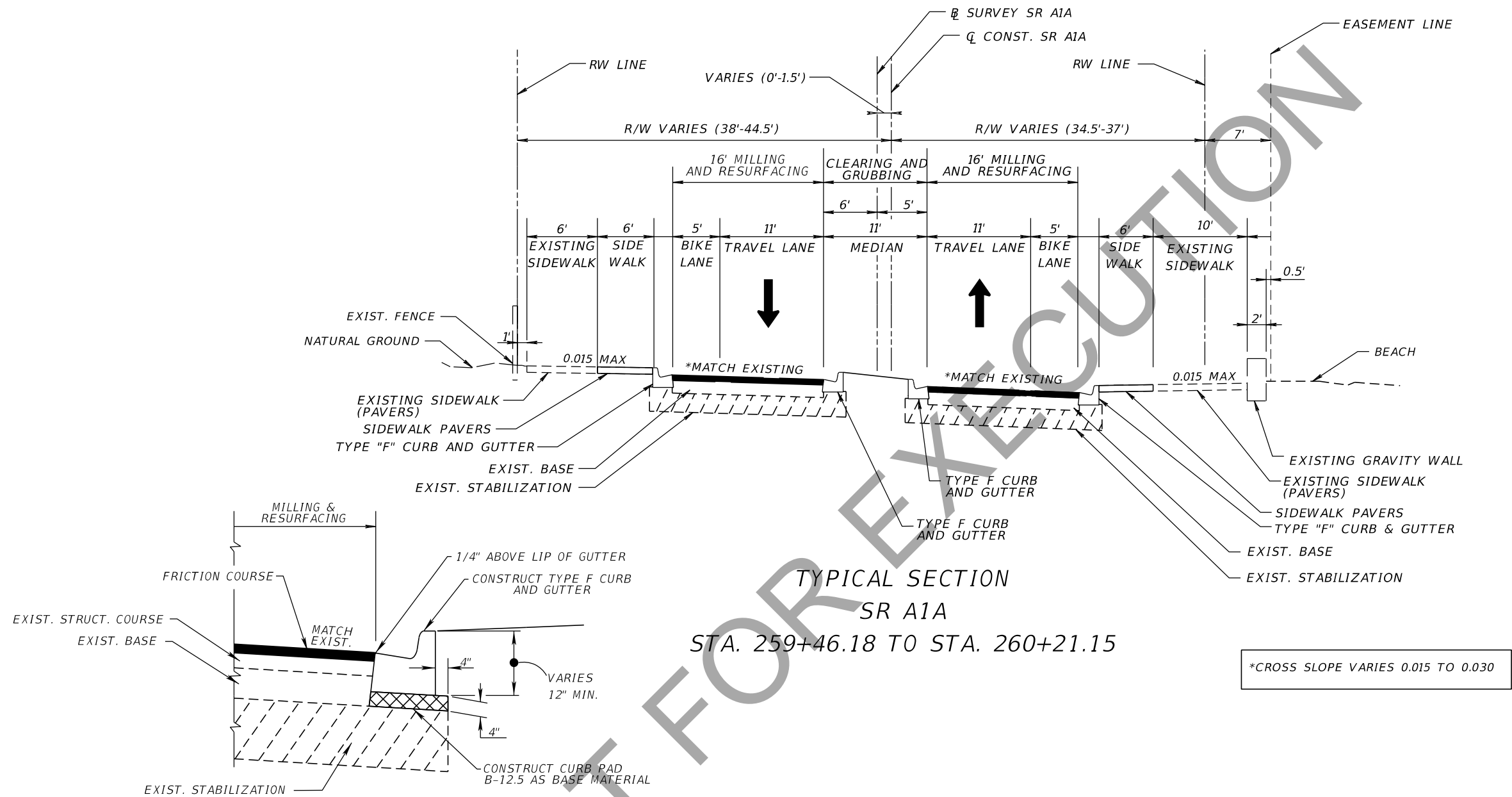
MILL EXISTING ASPHALT PAVEMENT (1.5" DEPTH)
FRICTION COURSE FC-12.5 (TRAFFIC B) (1.5") (PG 76-22)

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

TYPICAL SECTIONS

CAM 24-0805
Exhibit 1

5/15/2024 4:18:27 PM 8286
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REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
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						SR A1A	BROWARD	452467-1-52-01	

TYPICAL SECTIONS

3
CAM 24-0805
Exhibit 1

PROJECT CONTROL POINTS

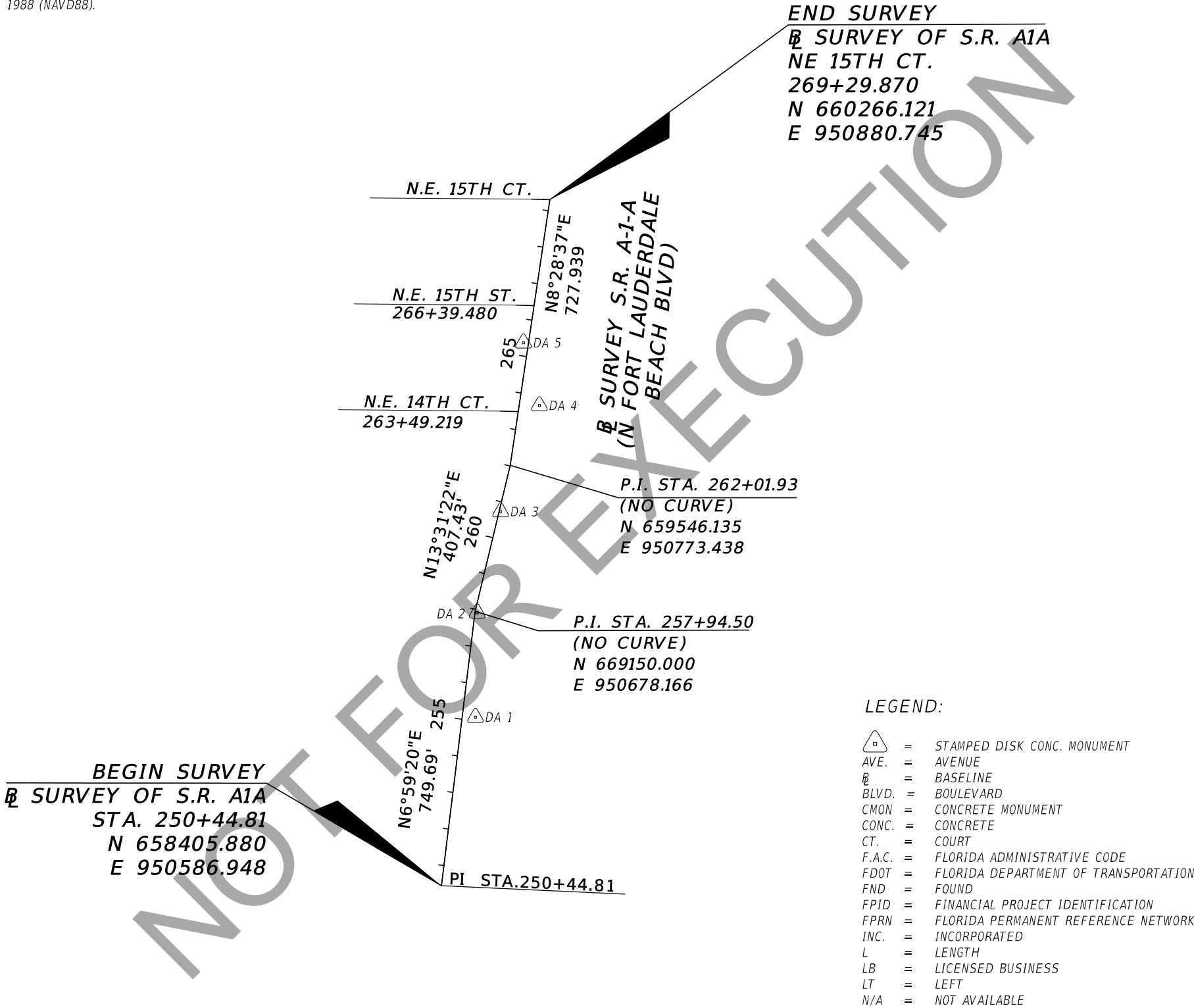
⌘ SURVEY S.R. A-1-A

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.



NOT TO SCALE



R E V I S I O N S						E N G I N E E R O F R E C O R D	S T A T E O F F L O R I D A D E P A R T M E N T O F T R A N S P O R T A T I O N			P R O J E C T C O N T R O L		S H E E T N O.	
D A T E	B Y	D E S C R I P T I O N		D A T E	B Y	D E S C R I P T I O N						R O A D N O.	C O U N T Y
								M A R K C I S S E L L , P . E . L I C E N S E N U M B E R : 6 0 8 0 9 C H A C O N S U L T I N G , I N C . 8 9 3 5 N W 3 5 T H L A N E , S U I T E 2 0 0 D O R A L , F L 3 3 1 7 2	S R A 1 A			B R O W A R D	4 5 2 4 6 7 - 1 - 5 2 - 0 1
												C A M 2 4 - 0 8 0 5 E x h i b i t 1 P a g e 1 4 9 o f 1 6 2	

PROJECT CONTROL POINTS

⌘ SURVEY S.R. A-1-A

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

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	CAM 24-0805 Exhibit 1	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
								SR A1A	BROWARD	452467-1-52-01			

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GENERAL NOTES:

1. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS.
WILLIAM ARATA, P.S.M.
P.S.M. NO.: 5082
FDOT DISTRICT 4
3400 W COMMERCIAL BLVD.
FORT LAUDERDALE, FL 33309
2. UTILITY OWNERS AND AGENCY PERSONNEL, AND CONTACTS FOR OTHER REQUIRED ACTIONS

COMPANY	CONTACT	TELEPHONE NUMBER
AT&T FLORIDA	HENRY URENA	(954)-260-0615
CROWN CASTLE	DANNY HASKETT	(786)-610-7073
COMCAST	JUSTIN CASSELL	(786)-427-4049
FPL DISTRIBUTION	AKRUM JOMAA	(954)-321-2067
HOTWIRE	WALTER SANCHEZ-DAVILA	(954)-699-0900
TECO PEOPLES GAS	DIEGO A. UZCATEGUI PINO	(786)-575-0261
VERIZON MCI	JOHN HANSON	(786)-412-7878
BROWARD COUNTY TRAFFIC ENGINEERING DIVISION	ROB BLOUNT	(954)-847-2745
FDOT TRAFFIC DATA	KARA SCHWARTZ-DIMAINA	(954)-777-4364
BROWARD COUNTY TRANSIT	KURT PETGRAVE	(954)-357-6793
CITY OF FT LAUDERDALE	CRAIG BARRETT	(954)-828-5875

3. THIS PROJECT LIES WITHIN 10 NAUTICAL MILES OF AN AIRPORT. ALL PERMANENT FEATURES OF THE PROJECT HAVE BEEN FOUND IN COMPLIANCE WITH FEDERAL AVIATION ADMINISTRATION (FAA) 14 CFR PART 77 (677.7). COMPLY WITH FEDERAL AVIATION ADMINISTRATION (FAA) 14 CFR PART (677.7). CONTACT APPROPRIATE FAA PERSONNEL TO COORDINATE SUCH COMPLIANCE FOR CONSTRUCTION OPERATIONS AND EQUIPMENT TO BE USED ON THE PROJECT SITE. BE AWARE THAT 14 CFR PART 77 (677.7) ESTABLISHES THAT NOTIFICATION MUST BE SUBMITTED 45-DAYS PRIOR TO CONSTRUCTION ACTIVITIES WHICH MAY IMPACT AIRPORT-CONTROLLED AIRSPACE OR FACILITIES. GIVEN THE TIME REQUIRED TO CONDUCT AN AERONAUTICAL STUDY, A 45-60 DAY ADVANCE FILING IS RECOMMENDED TO ACCOMMODATE THE REVIEW PROCESS AND ALLOW TIMELY ISSUANCE OF THE FAA DETERMINATION LETTER. SEE <http://www.faa.gov/airports/central/engineering/part77/> FOR ADDITIONAL INFORMATION. FILE THE REQUIRED NOTICE OF CONSTRUCTION COMMENCEMENT FORM (7460-2 PART 1) PRIOR TO STARTING WORK. FILE THE REQUIRED FORM (7460-2 PART 2) WITHIN 5 DAYS OF COMPLETION OF THE HIGHEST ELEMENT OF PERMANENT CONSTRUCTION.

BROWARD COUNTY TRANSIT NOTES:

1. PASSENGER ACCESS TO AND FROM BUS STOPS SHALL BE MAINTAINED DURING CONSTRUCTION.
2. IN THE EVENT ANY BUS STOPS ARE TO BE IMPACTED, COORDINATE WITH BROWARD COUNTY TRANSIT FOR ANY TEMPORARY RELOCATION OF BUS STOPS.

PAY ITEM NOTES:

108-1:
IN ADDITION TO THE REQUIREMENTS OF STANDARD SPECIFICATIONS, SECTION 108, PROVIDE INSPECTION AND SETTLING MONITORING FOR THE FOLLOWING STRUCTURES:

-PARK TOWER CONDOMINIUM BUILDING AT 1151 N FT. LAUDERDALE BEACH BLVD.

108-2:
PROVIDE VIBRATION MONITORING FOR THE FOLLOWING STRUCTURES:

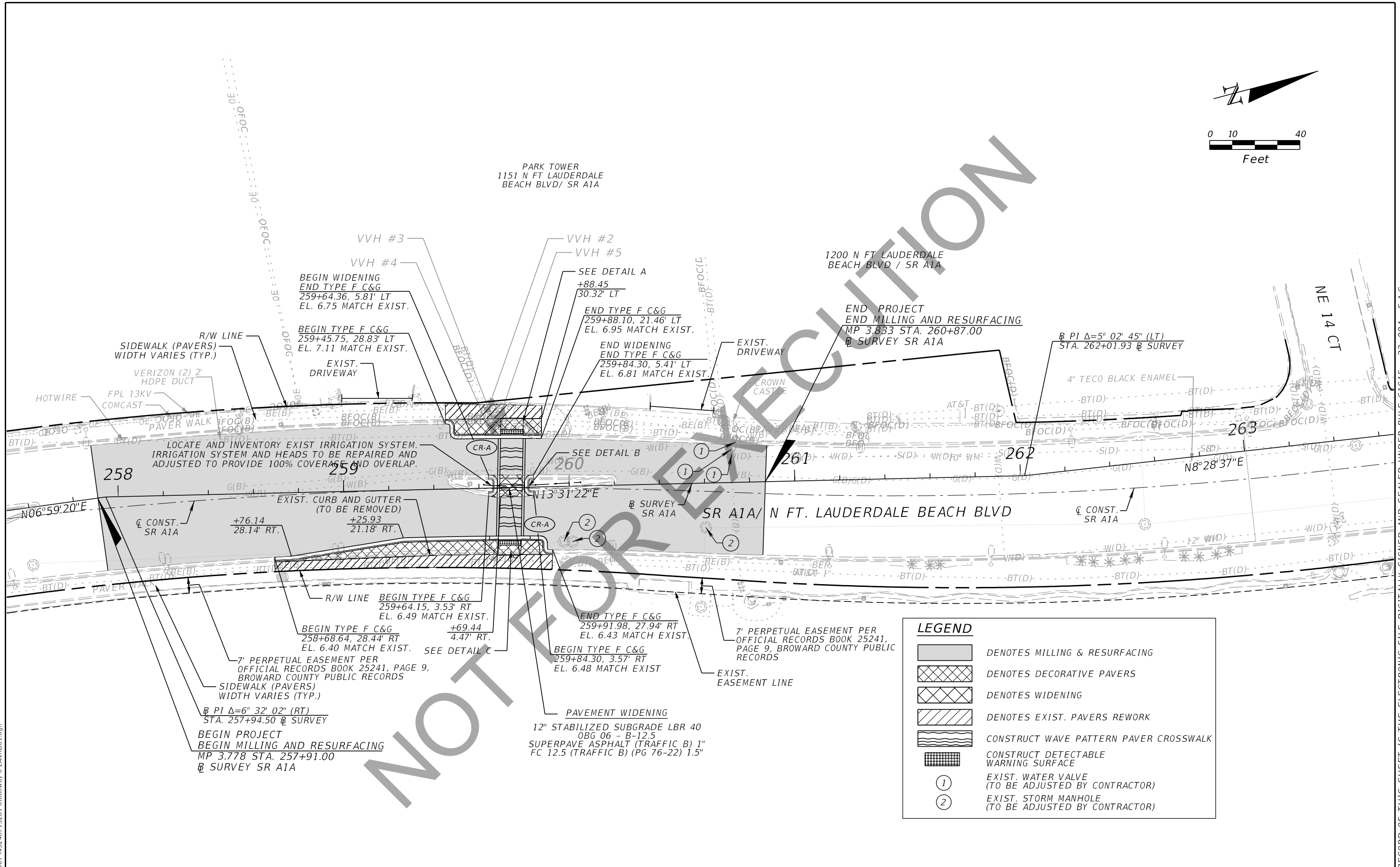
-PARK TOWER CONDOMINIUM BUILDING AT 1151 N FT. LAUDERDALE BEACH BLVD.

PHASE III NOTES FOR REVIEWERS:

1. A PROPRIETARY PRODUCT PACKAGE FOR IRRIGATION HAS BEEN SUBMITTED AND PENDING SIGNATURE CONCURRENCE.
2. A TSP FOR IRRIGATION REPAIRS (590-70-1) HAS BEEN SUBMITTED AND PENDING SIGNATURE CONCURRENCE.
3. A LOCAL FUNDING AGREEMENT IS IN THE PROCESS OF BEING EXECUTED FOR DECORATIVE LIGHTING, DECORATIVE PAVERS, AND STAMPED ASPHALT.

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

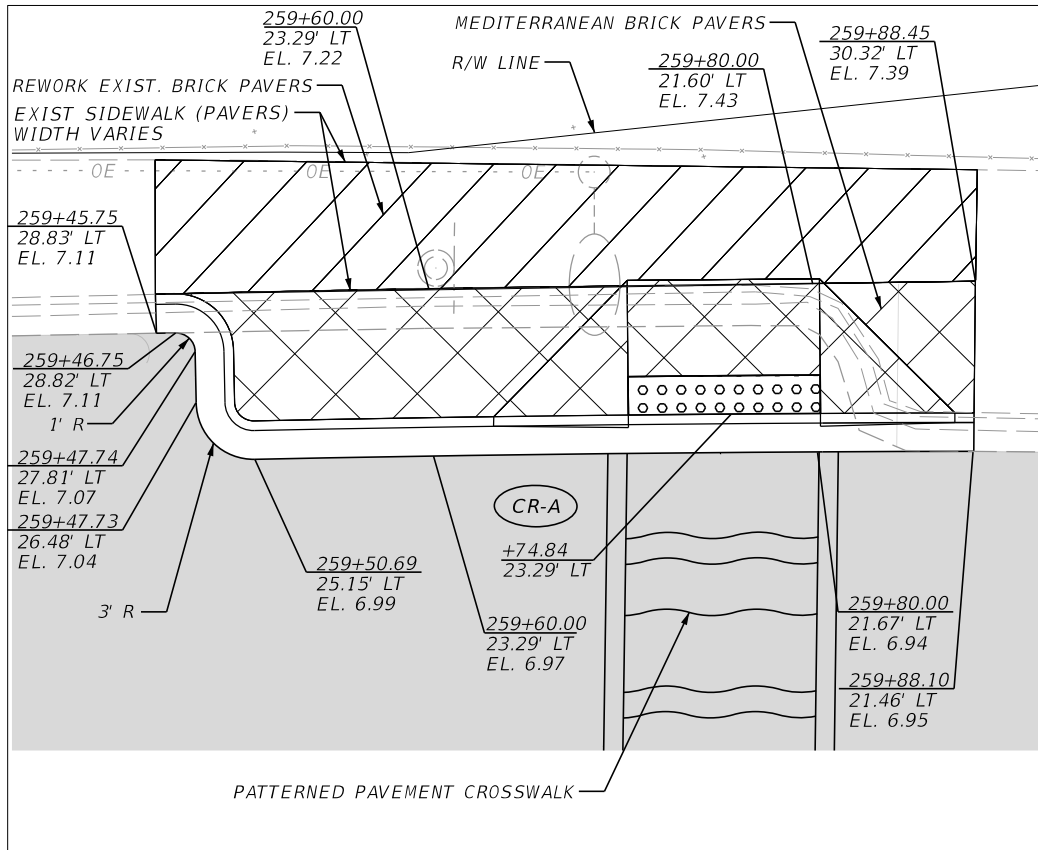
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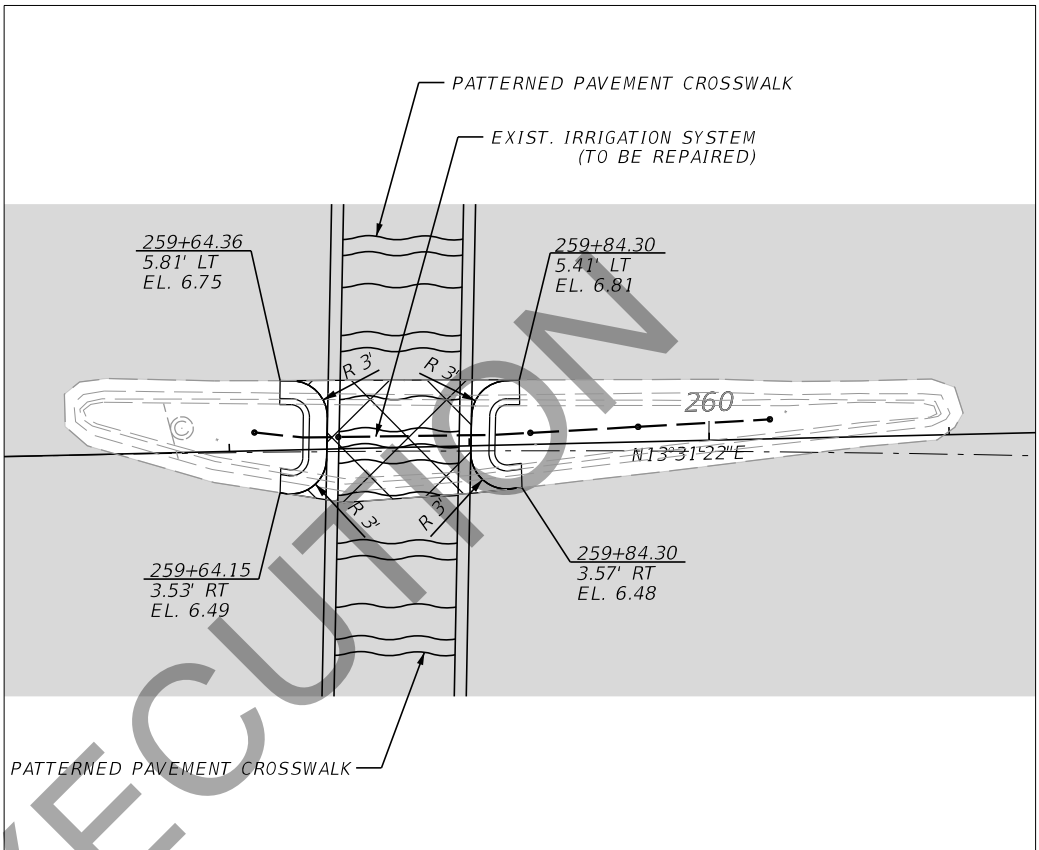
REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY		
						SR A1A	BROWARD	FINANCIAL PROJECT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

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CAM 24-0805
Exhibit 1

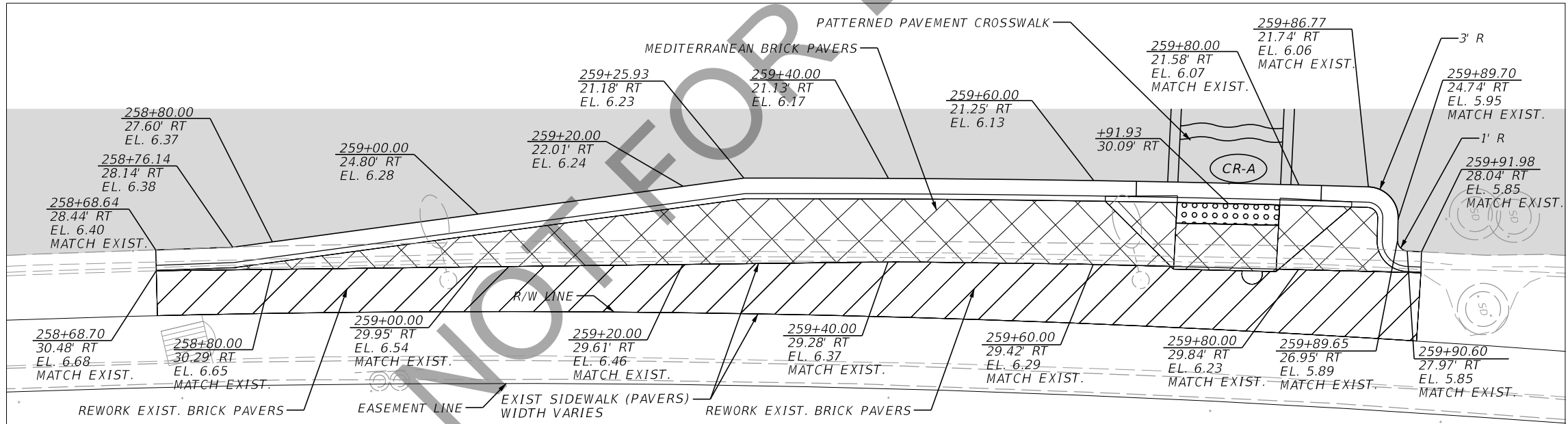
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DETAIL A
WEST RAMP
SR A1A S OF NE 14TH CT



DETAIL B
MIDBLOCK CROSSING
SR A1A S OF NE 14TH CT



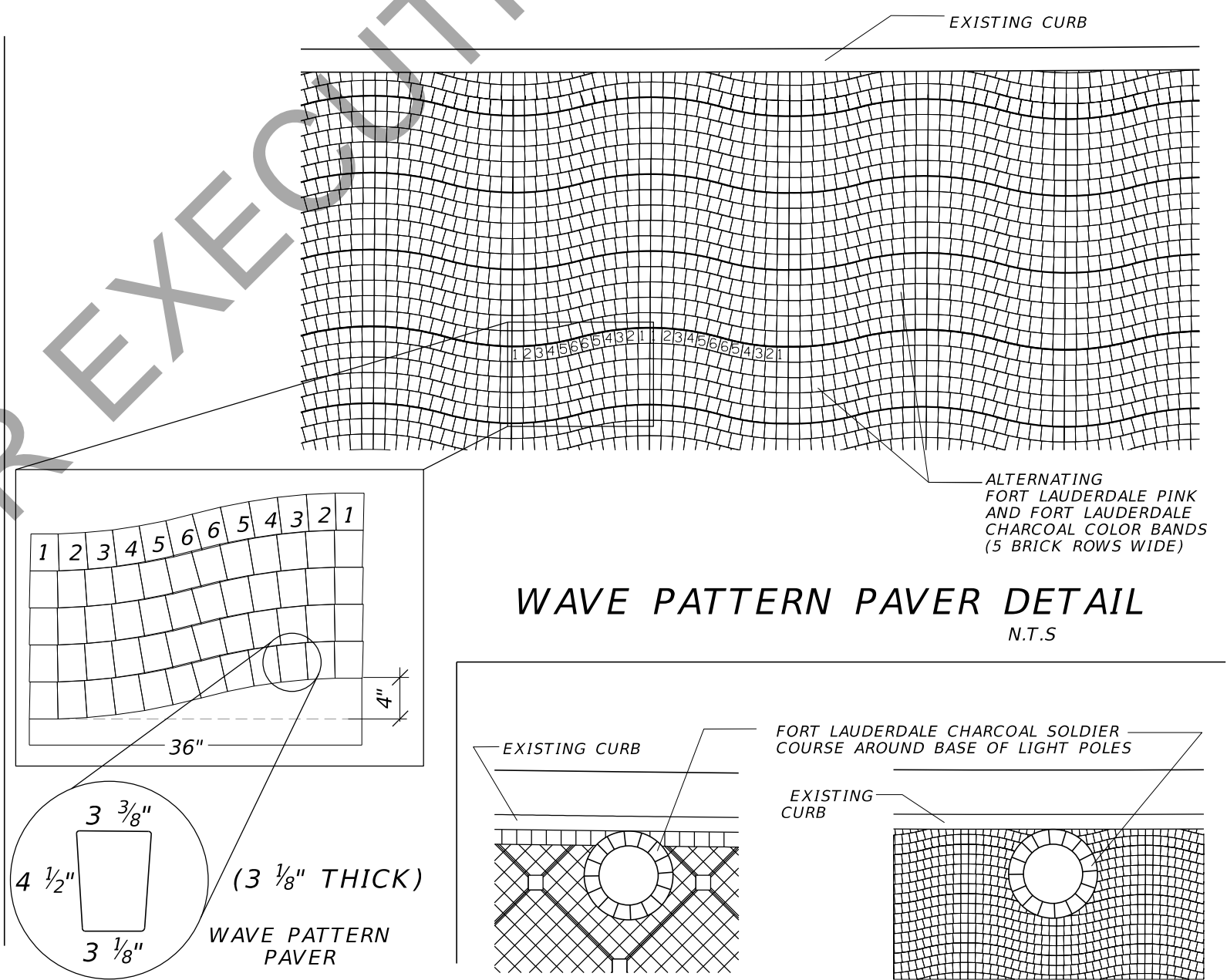
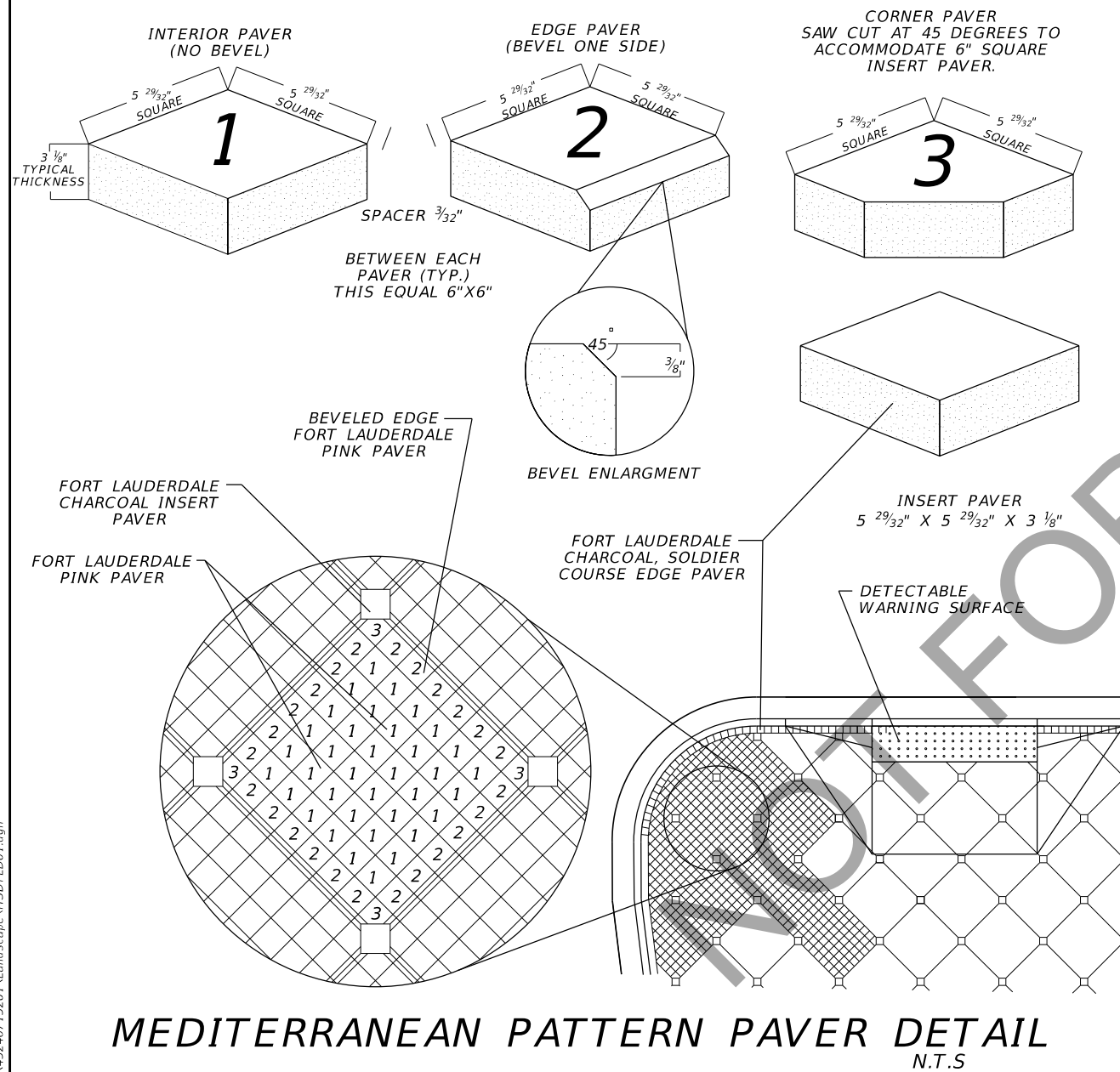
DETAIL C
EAST RAMP
SR A1A S OF NE 14TH CT

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	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	8

SPECIAL DETAILS

CAM 24-0805
 Exhibit 1

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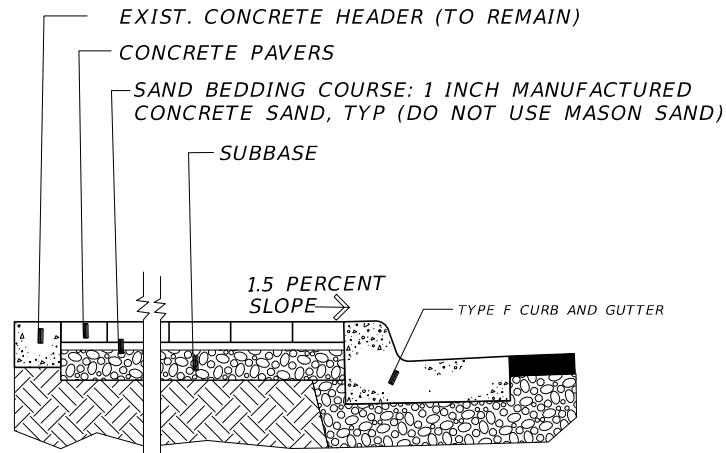


REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						SR A1A	BROWARD	452467-1-52-01	

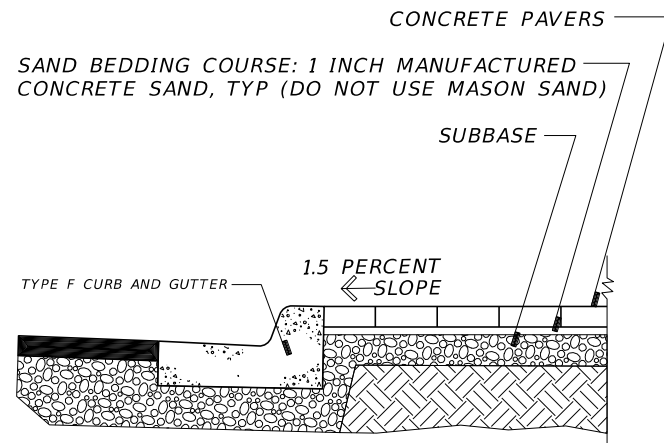
SPECIAL DETAILS

CAM 24-0805
Exhibit 1

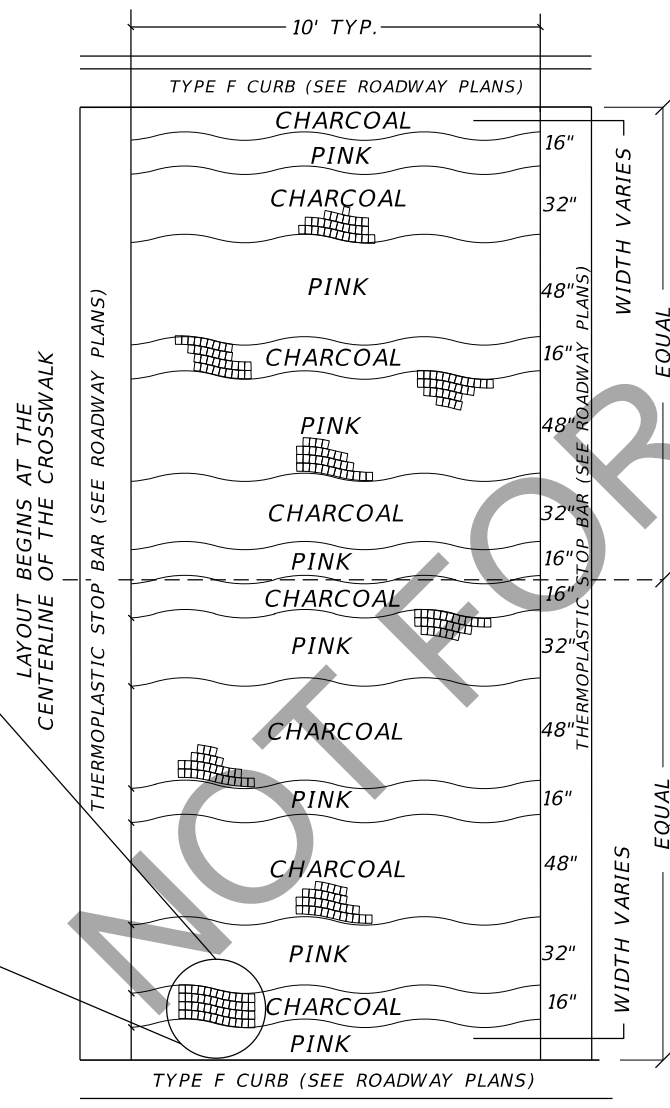
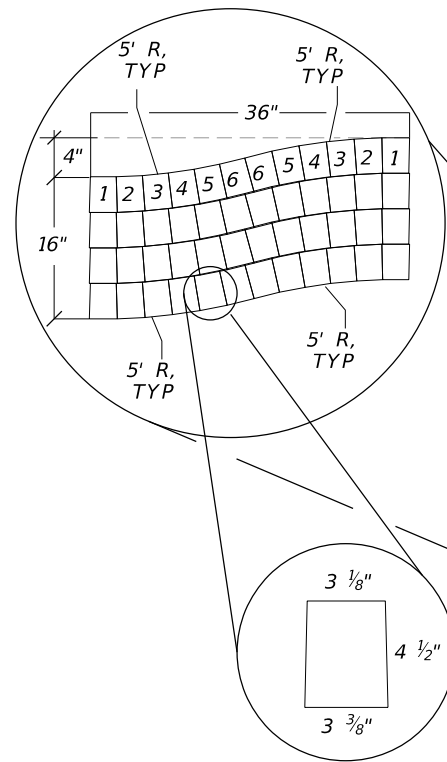
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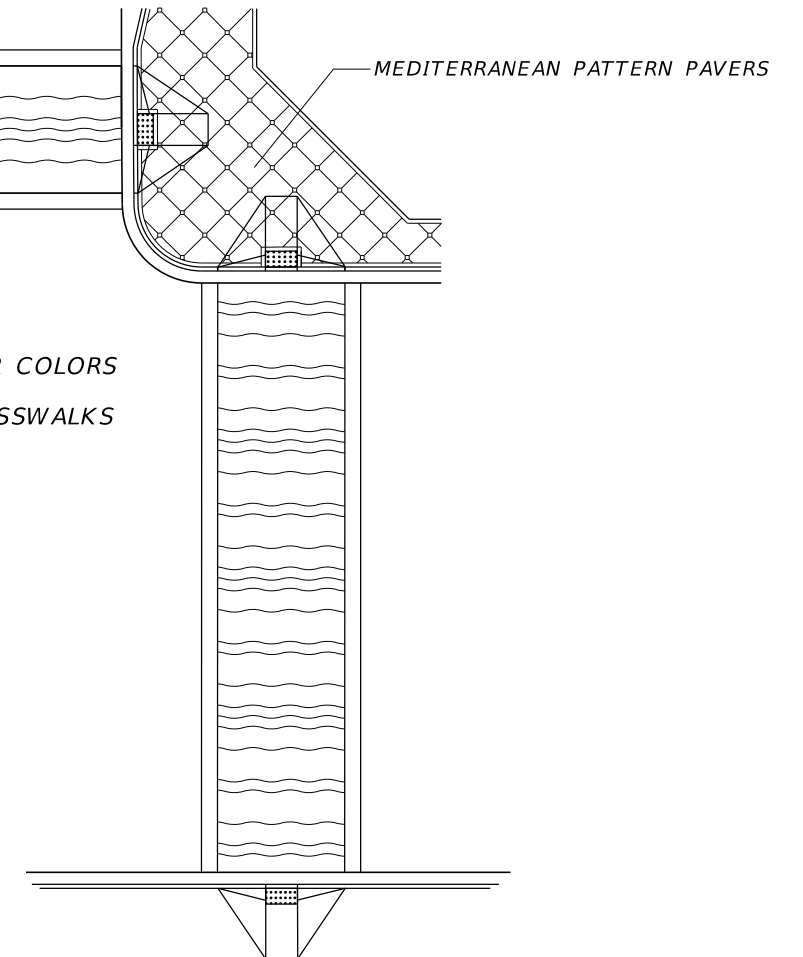
PAVER SIDEWALK SECTION
(WEST SIDE OF SR A1A -
STA. 259+45.75 TO STA. 259+88.10)
N.T.S.



PAVER SIDEWALK SECTION
(EAST SIDE OF A1A -
STA. 258+68.64 TO STA. 259+91.98)
N.T.S.



- 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 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	

SPECIAL DETAILS

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CAM 24-0805
Exhibit 1

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 MANTAIN 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

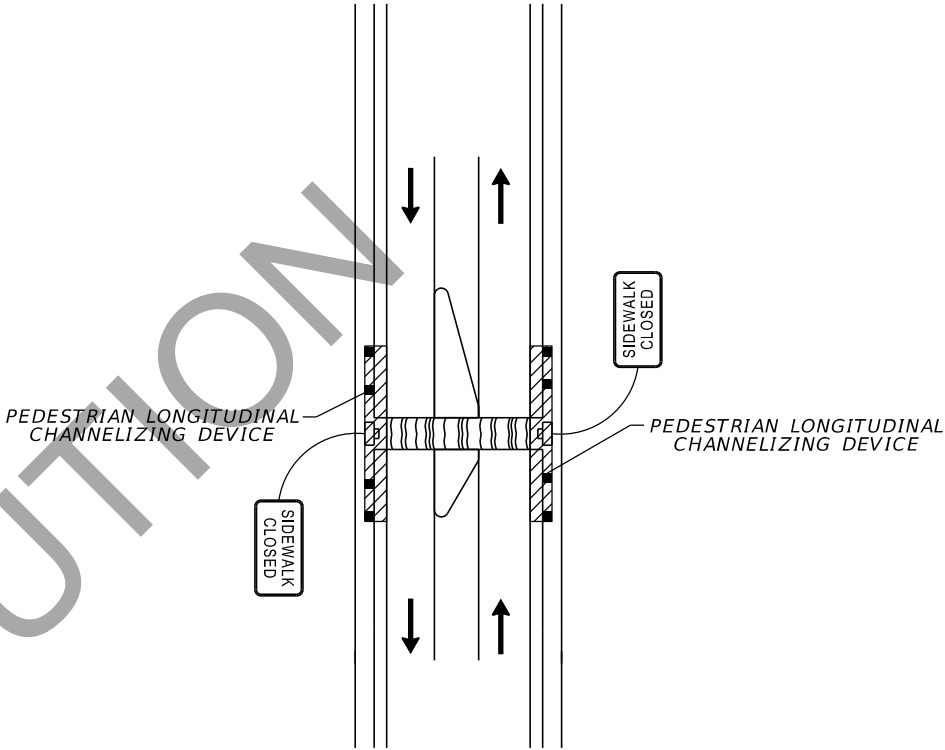
PLACE PCMS DURING CONSTRUCTION



PANEL 1



PANEL 2

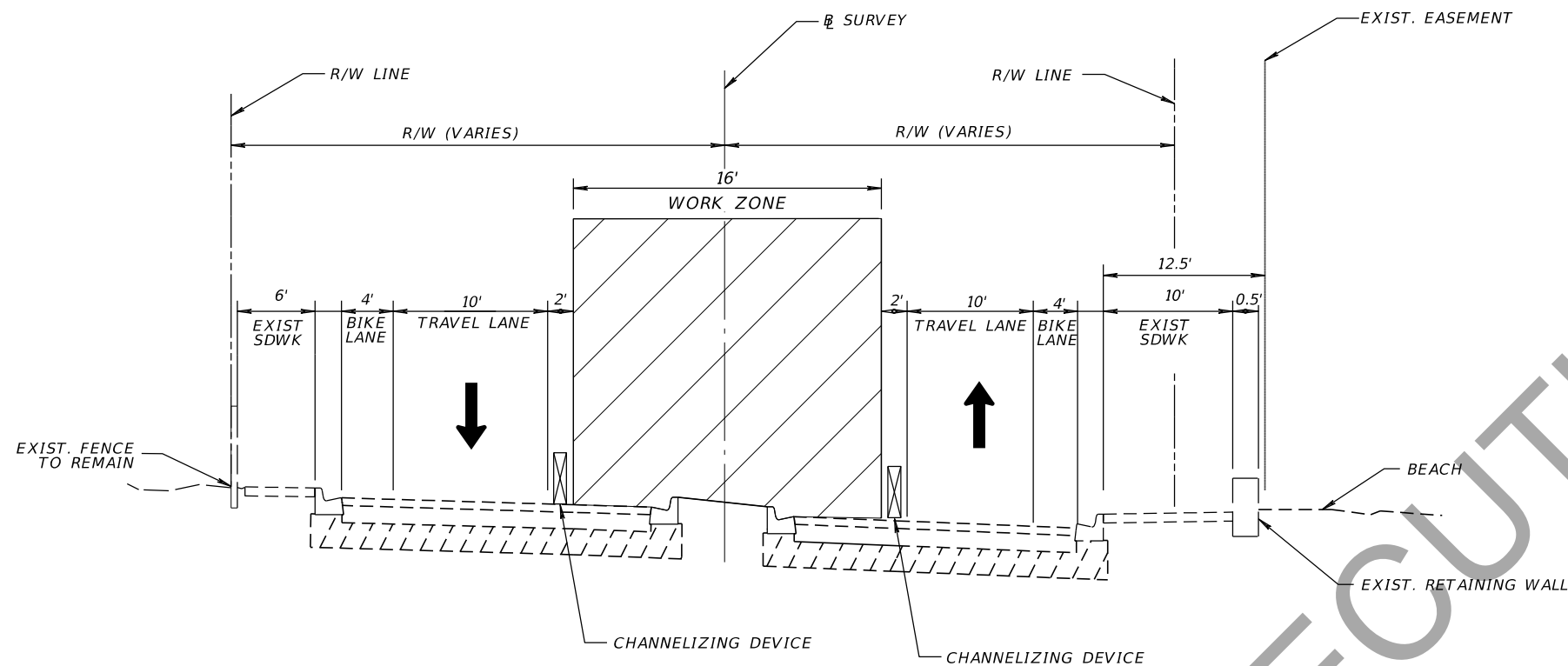


CROSSWALK CLOSURE DETAIL

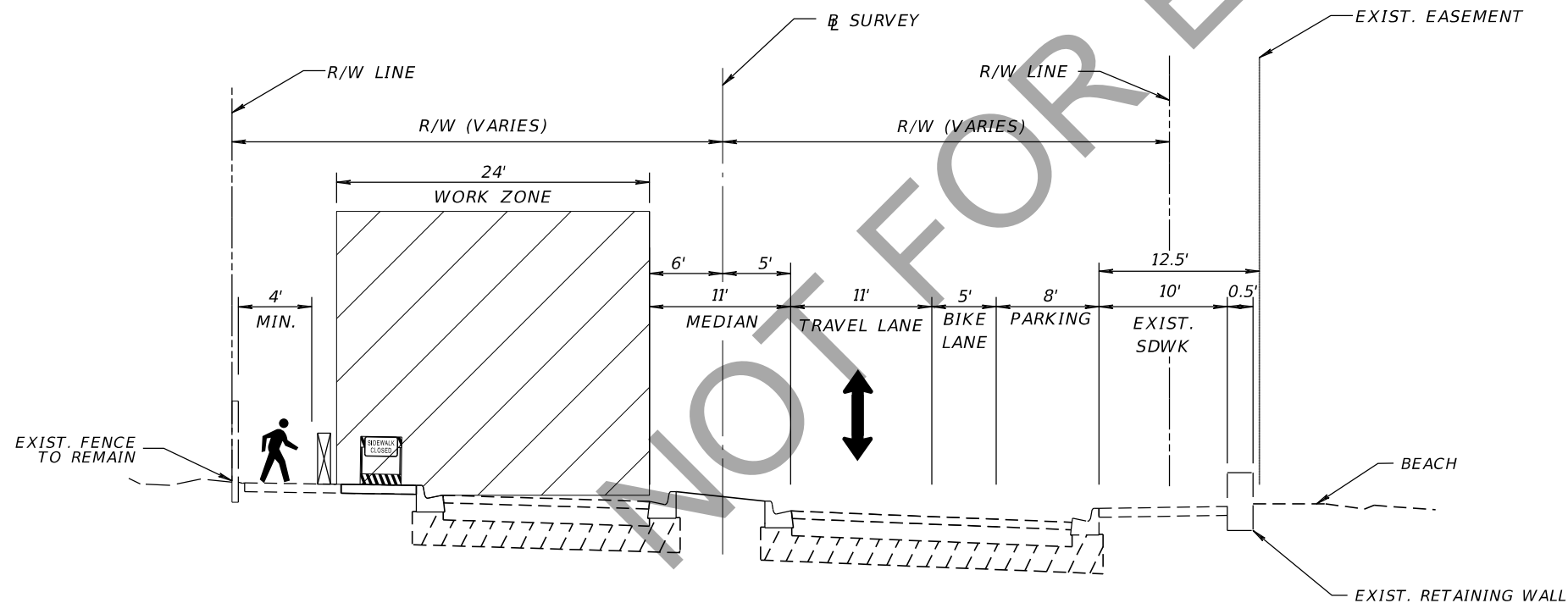
- 1. CHANNELIZING DEVICES AND SIDEWALK CLOSED SIGNS TO BE PLACED IN ACCORDANCE WITH THE CROSSWALK CLOSURE DETAIL ABOVE TO KEEP PEDESTRIANS FROM USING THE CROSSWALK UNTIL ALL WORK IS COMPLETED.

REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172					
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR A1A	BROWARD	452467-1-52-01		CAM 24-0805	

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- PHASE I**
1. INSTALL TEMPORARY WORK SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES ON BOTH THE INSIDE SOUTHBOUND AND NORTHBOUND TRAFFIC LANES AS REQUIRED PER INDEX 102-603 AND 102-613. CLOSE INSIDE LANE AND USE ON-STREET PARKING AS ROUTE FOR TEMPORARY BIKE AND VEHICULAR LANES.
 2. MAINTAIN BICYCLE TRAFFIC AS PER INDEX 102-661.
 2. INSTALL AND MAINTAIN TEMPORARY INLET PROTECTION DEVICES.
 3. CONSTRUCT CURB AND GUTTER, PAVEMENT WIDENING IN THE MEDIAN.



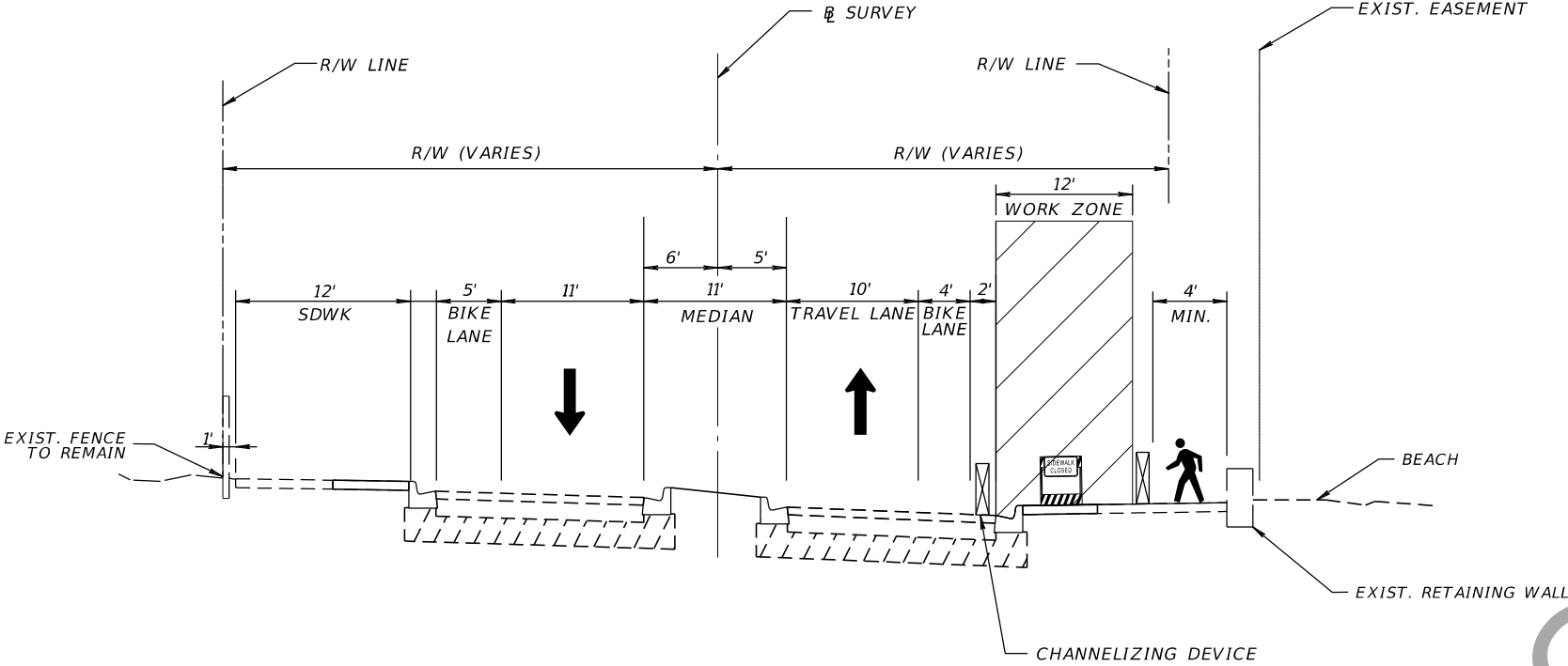
- PHASE II**
1. INSTALL TEMPORARY WORK SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES REQUIRED AS PER INDEX 106-603 AND 102-613 TO CLOSE SOUTHBOUND TRAFFIC LANE AND USE ONE-LANE TWO-WAY TRAFFIC CONTROL WITH FLAGGERS ON NORTHBOUND LANE.
 2. INSTALL AND MAINTAIN TEMPORARY INLET PROTECTION DEVICES.
 3. MAINTAIN PEDESTRIAN TRAFFIC USING STANDARD PLANS INDEX 102-660.
 4. CONSTRUCT CURB AND GUTTER, SIDEWALK, PEDESTRIAN RAMPS, LIGHTING, AND SIGNALIZATION ON SOUTHBOUND SIDE.

REVISIONS				ENGINEER OF RECORD		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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Exhibit 1

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PHASE III

1. INSTALL TEMPORARY WORK SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES REQUIRED AS PER INDEX 102-603 AND 102-613 TO CLOSE ON-STREET PARKING ON THE NORTHBOUND SIDE.
2. INSTALL AND MAINTAIN TEMPORARY INLET PROTECTION DEVICES.
3. MAINTAIN PEDESTRIAN TRAFFIC USING STANDARD PLANS INDEX 102-660.
4. CONSTRUCT CURB AND GUTTER, SIDEWALK, PEDESTRIAN RAMPS, SIGNS, AND SIGNALZATION ON NORTHBOUND SIDE.

PHASE IV

1. INSTALL TEMPORARY WORK SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES REQUIRED AS PER INDEX 102-603 AND 102-613 TO CLOSE TRAFFIC LANES. MAINTAIN AT LEAST ONE LANE OPEN IN EACH DIRECTION.
2. MAINTAIN PEDESTRIAN TRAFFIC AS PER INDEX 102-660.
3. PERFORM MILLING OPERATIONS.
4. CONSTRUCT FRICTION COURSE THROUGHOUT RESURFACING LIMITS AND PATTERNED PAVEMENT CROSSWALK.
5. PLACE SIGNS AND PAVEMENT MARKINGS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD	
MARK CISSELL, P.E. LICENSE NUMBER: 60809 CHA CONSULTING, INC. 8935 NW 35TH LANE, SUITE 200 DORAL, FL 33172	

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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TEMPORARY TRAFFIC CONTROL PLAN		SHEET NO.
		13 CAM 24-0805 Exhibit 1

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SECTION #: 86050000
 STATE ROAD: A1A
 PROJECT #: 452467-1-52-01
 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 #: 452467-1-52-01
COUNTY: BROWARD

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:**

<https://www.fdot.gov/materials/administration/resources/library/publications/fstm/bynumber.shtm>

SECTION #:
STATE ROAD:
PROJECT #:
COUNTY:

86050000
A1A
452467-1-52-01
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