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DOCUMENT ROUTING FORM

NAME OF DOCUMENT: **DISTRICT FOUR MAINTENANCE MEMORANDUM OF AGREEMENT BETWEEN STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AND CITY FOR PEDESTRIAN LIGHTING IMPORVEMENTS ALONG A1A FROM OAKLAND PARK BOULEVARD TO FLAMINGO AVENUE**

Approved Comm. Mtg. on: **November 4, 2014** CAM #: **14-1129** ITEM #: **CR-10**

Routing Origin: CAO Also attached: copy of CAM Original Documents

1) **City Attorney's Office:** Approved as to Form. 4 Originals and Delivered to City Manager on _____

Rhonda Montoya Hasan



2) **City Manager:** Please indicate if item is CIP Funded, sign where indicated, and forward 4 originals to Mayor.

CIP FUNDED YES NO
Capital Investment / Community Improvement Projects

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

3) **Mayor:** Please sign as indicated and forward 4 originals to Clerk for attestation and City seal.

INSTRUCTIONS TO CLERK'S OFFICE

4) **City Clerk:** Forwards 4 original documents to:

Denise DiPalo

Original Route form to Glynis, CAO

12/3



Florida Department of Transportation

RICK SCOTT
GOVERNOR

3400 West Commercial Boulevard
Fort Lauderdale, FL 33309

ANANTH PRASAD, P.E.
SECRETARY

Mr. Larry Wallace
Florida Department of Transportation
3400 West Commercial Blvd
Fort Lauderdale, FL 33309

December 5, 2014

Ms. Karen Mendrala
City of Fort Lauderdale – Principal Planner
290 N.E. 3rd Avenue
Fort Lauderdale, FL 33301

Re: District Four Maintenance Memorandum of Agreement (MMOA) for the City of Boca Raton, Florida, under Project Number 431204-1-52-01 to include decorative color coated painted pedestrian light fixtures or poles and banner arms installed along State Road A1A/N Ocean Blvd beginning from the intersection of East Oakland Park Blvd, Mile Post (M.P.) 5.382 to Flamingo Avenue, M.P. 6.418.

Dear Ms. Mendrala:

Attached is a copy of the fully Executed MMOA for your file/reference.

If you have any questions please do not hesitate to contact me.

Thank you.

Sincerely,



Larry Wallace
District IV MMOA Coordinator
Florida Department of Transportation

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 25th day of October 2014

Wendy L. Gorman City Clerk

RESOLUTION NO. 14-192

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE A MAINTENANCE MEMORANDUM OF AGREEMENT FOR PEDESTRIAN LIGHTING IMPROVEMENTS ALONG A1A FROM OAKLAND PARK BOULEVARD TO FLAMINGO AVENUE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION, UNDER FINANCIAL PROJECT NUMBER 431204-1-52-01.

WHEREAS, the City of Fort Lauderdale ("City") and the Florida Department of Transportation ("FDOT") wish to execute a Maintenance Memorandum of Agreement for pedestrian lighting improvements along A1A between Oakland Park Boulevard and Flamingo Avenue under Florida Department of Transportation Project Number 431204-1-52-01; and

WHEREAS, these improvements are to be installed during the reconstruction along A1A between Oakland Park Boulevard to Flamingo Avenue as part of the East coast Greenway Project; 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 Maintenance Memorandum of Agreement for pedestrian lighting improvements along A1A between Oakland Park Boulevard and Flamingo Avenue under Florida Department of Transportation Project Number 431204-1-52-01.

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 4th day of November, 2014.



Mayor
JOHN P. "JACK" SEILER

ATTEST:



City Clerk
JONDA K. JOSEPH

L:\COMM 2014\Resolutions\November 4\14-192.doc

SECTION NO.: 86050
FM No.(s): 431204-1-52-01
COUNTY: Broward
S.R. No.: A1A/N Ocean Blvd

**DISTRICT FOUR
MAINTENANCE MEMORANDUM OF AGREEMENT**

THIS AGREEMENT, made and entered into this 4th day of DEC 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/N Ocean Blvd; 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/N Ocean Blvd (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 431204-1-52-01 to include decorative color coated painted pedestrian light fixtures or poles and banner arms installed along State Road A1A/N Ocean Blvd beginning from the intersection of East Oakland Park Blvd, Mile Post (M.P) 5.382 to Flamingo Avenue, M.P. 6.418; and

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; and

WHEREAS, the Project involves the scope of work as described within **Exhibit A (Project Location and Description)** and **Exhibit B (Construction Plans)**, 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. 14-192 dated NOV. 4, 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 431204-1-52-01 to reconstruct State Road A1A/N Ocean Blvd as detailed in **Exhibit A (Project Location and Description)** and **Exhibit B (Construction Plans)** that will benefit the **AGENCY**.

3. MAINTENANCE OF FACILITIES

A. The **AGENCY** agrees to maintain the improvements to be installed under Project Number 431204-1-52-01 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 features are defined as items requested by the **AGENCY** that are not defined in the **DEPARTMENT'S** Design Standards. This includes Project Number 431204-1-52-01 to include decorative color coated painted pedestrian light fixtures or poles and banner arms installed along State Road A1A/N Ocean Blvd beginning from the intersection of East Oakland Park Blvd, Mile Post (M.P) 5.382 to Flamingo Avenue, M.P. 6.418; and

- 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 C (Maintenance Plan Requirements)**.
- 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 hatchling seasons. Lights may be required to be turned off if they fail to meet requirements of the law or violate the Endangered Species Act and other law.

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, 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/N Ocean Blvd 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 sixty (60) 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.
- 3) Only if mutually agreed to by both parties with a six (6) month written notice.

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

The **AGENCY** shall

- 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** for the work performed under this AGREEMENT; and
 - 2) Expressly require any contractors 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
District Maintenance Engineer

If to the **AGENCY**:

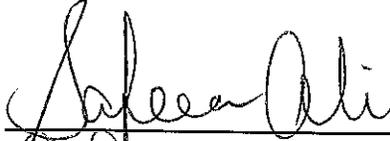
City of Fort Lauderdale
100 N. Andrews Avenue
Fort Lauderdale, FL 33301
Title: City Manager

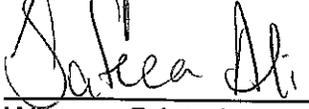
17. **LIST OF EXHIBITS**

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

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

WITNESSES:





Witness Printed name



MIRANDA SCOTT

Printed name

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

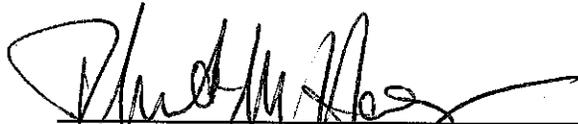
By: 

John P. "Jack" Seiler
Mayor

By: 

Lee Feldman, City Manager

Approved as to form:



Assistant City Attorney

ATTEST:



Jonda K. Joseph, City Clerk

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

DEPARTMENT:

ATTEST:

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

Maria Holt
Executive Secretary

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



Date: 12/4/14

Approval as to Form:

By Dawn Raduano
Dawn Raduano, District General Counsel

Date: Dec 4, 2014

SECTION NO.: 86050
FM No.(s): 431204-1-52-01
COUNTY: Broward
S.R. No.: A1A/N Ocean Blvd

EXHIBIT A

PROJECT LOCATION AND DESCRIPTION

Location:

The improvements associated with this Agreement are located in the City of Fort Lauderdale, in Broward County, Florida along State Road A1A/N Ocean Blvd beginning from the intersection of East Oakland Park Blvd, Mile Post (M.P) 5.382 to Flamingo Avenue, M.P. 6.418.

Description of Work:

Project Number 431204-1-52-01 to include installation of decorative color coated painted pedestrian light fixtures or poles and banner arms.

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

[The remainder of this page intentionally left blank.]

SECTION NO.: 86050
FM No.(s): 431204-1-52-01
COUNTY: Broward
S.R. No.: A1A/N Ocean Blvd

EXHIBIT B

Lighting Plans by Genesis Enterprises and Engineering Services, LLC dated October 2, 2014 as approved by the Department.

LIGHTING PLANS (attached)

Sheets Included:

PDF Page Number (#)	Plan Sheet (#)	Sheet(s) Description
12	L-1	KEY SHEET
13 - 14	L-2 – L-3	TABULATION OF QUANTITIES
15	L-4	GENERAL NOTES
16 - 17	L-5 – L-6	POLE DATA AND LEGEND
18 – 29	L-7 – L-18	LIGHTING PLAN
30	L-19	LIGHTING DETAILS (ROADWAY POLE)
31	L-20	LIGHTING DETAILS (PEDESTRIAN POLE)
32	L-21	FOUNDATION DETAILS
33 - 34	L-22 – L-23	SERVICE POINT DETAILS

[The remainder of this page intentionally left blank.]

SECTION NO.: 86050
FM No.(s): 431204-1-52-01
COUNTY: Broward
S.R. No.: A1A/N Ocean Blvd

EXHIBIT C

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

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

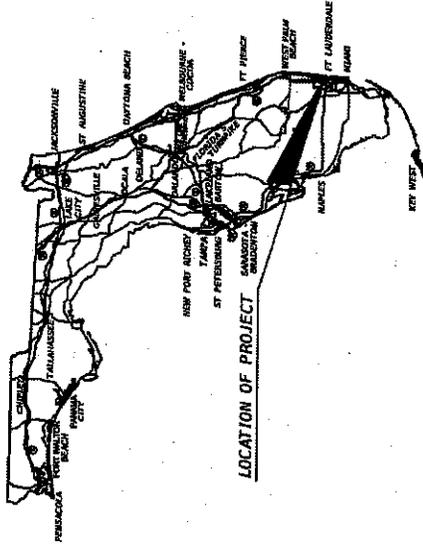
CONTRACT PLANS

FINANCIAL PROJECT ID 431204-I-52-01

BROWARD COUNTY (86050)
STATE ROAD NO. 41A

LIGHTING PLANS

INDEX OF LIGHTING PLANS	
SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2 - L-3	TABULATION OF QUANTITIES
L-4	GENERAL NOTES
L-5 - L-6	POLE DATA AND LEGEND
L-7 - L-18	LIGHTING PLAN
L-19	LIGHTING DETAILS (ROADWAY POLE)
L-20	LIGHTING DETAILS (PEDESTRIAN POLE)
L-21	LIGHTING DETAILS (POLE CABLE DISTRIBUTION)
L-22	FOUNDATION DETAILS
L-23	SERVICE POINT DETAILS



LIGHTING SHOP DRAWINGS TO BE SUBMITTED TO:
MICHAEL MELENDEZ, P.E.
GENESIS ENTERPRISES AND ENGINEERING SERVICES, LLC
1720 SW 3RD AVE FLORIDA 33060
POMPANNO BEACH, FLORIDA 33060
PHONE: (954) 881-4500
FAX: (954) 881-4501
VENDOR NO: F-271848735
CERTIFICATE OF AUTHORIZATION NO. 28333

PLANS PREPARED BY:
GENESIS ENTERPRISES AND ENGINEERING SERVICES, LLC
1720 SW 3RD AVE FLORIDA 33060
POMPANNO BEACH, FLORIDA 33060
PHONE: (954) 881-4500
FAX: (954) 881-4501
VENDOR NO: F-271848735
CERTIFICATE OF AUTHORIZATION NO. 28333

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

KEY SHEET REVISIONS	
DATE	DESCRIPTION

LIGHTING PLANS
ENGINEER OF RECORD: MICHAEL N. MELENDEZ, P.E.
P.E. NO.: 58698

FISCAL YEAR	SHEET NO.
15	L-1

FDOT PROJECT MANAGER: JAMES HUGHES, P.E.

LIGHTING GENERAL NOTES

1. THE MAINTAINING AGENCY FOR THE PROPOSED ROADWAY LIGHTING SYSTEM IS THE CITY OF FT LAUDERDALE. CONTACT INFORMATION:

DAVID HAVELL 954-232-3576 DHAVELL@FORTLAUDERDALE.GOV

2. UTILITY OWNERS ARE AS FOLLOWS:

UTILITY OWNER

STATE FLORIDA
 CITY OF FORT LAUDERDALE
 COMCAST
 FPL DISTRIBUTION
 TECO PEOPLES GAS

TELEPHONE NUMBER

(954) 727-2540
 (954) 727-2541
 (954) 622-7830
 (954) 239-6366
 (954) 321-2056
 (954) 453-0812

CONTACT

OTIS KEEVE
 JAMES GROSS
 JIM STELLMAN
 KEITH SWINT
 BYRON SAMPLE
 MAX CIAMORRO

3. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LEVEL OF ILLUMINATION ON THE TRAVELED ROADWAY THROUGHOUT CONSTRUCTION AND UNTIL PROPOSED LIGHTING IS ENERGIZED. COST TO BE INCLUDED UNDER 102-1.

4. PROVIDE SIGNED AND SEALED STRUCTURAL AND GEOTECHNICAL CALCULATIONS, PLANS, AND RELATED REPORTS FOR THE DECORATIVE LIGHTING. CALCULATIONS MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF FLORIDA. THE ENTIRE LIGHTING ASSEMBLY MUST BE DESIGNED TO WITHSTAND 150 MPH WIND LOADS. CONTRACTOR TO PROVIDE CONNECTION DESIGN FOR LUMINAIRE-TO-ARM, ARM-TO-UPRIGHT, AND UPRIGHT-TO-FOUNDATION CONNECTIONS.

5. BANNER ARMS (2 PER ROADWAY LIGHT POLE) AS SHOWN IN THE LIGHTING DETAILS (ROADWAY POLE) SHALL BE FURNISHED TO THE MAINTAINING AGENCY (CITY OF FORT LAUDERDALE). THE COST IS INCLUDED IN THE COST OF THE LIGHT POLE. DELIVERY CONTACT INFORMATION:

DIANA ALARCON
 DALARCON@FORTLAUDERDALE.GOV
 954-828-3793
 290 NE 3RD AVENUE
 FORT LAUDERDALE, FL 33301

PAY ITEM NOTES

712-7-11 INCLUDES COSTS TO FURNISH AND INSTALL ONE (1) LED SEGMENT CONTROLLER IN PULL BOX AT EACH LOAD CENTER.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

GENESIS ENTERPRISES & ENGINEERING SERVICES, LLC
 1720 SW 3RD AVENUE
 POMPANO BEACH, FL 33060
 ENGINEER OF RECORD
 MICHAEL W. WELDEZ, P.E.
 FL. NO. 36888

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY FINANCIAL PROJECT ID
 A1A BROWARD 491204-1-52-01

GENERAL NOTES

SHEET NO.

L-4

12/25/2008 10:57:37 AM S:\PROJECTS\10-003 GENESIS SR A1A GROSS\K360836SR\GENESIS\GENESIS.DWG

POLE DATA

POLE NO.	CIRCUIT LIGHT(S)	STATION	OFFSET	ROADWAY LUMINAIRE				PEDESTRIAN LUMINAIRE				DIST.	REMARK
				ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	DIST.	ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	DIST.		
P-1	A1/A2	344+27.34	52.37	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-2	A1/A2	344+27.51	51.38	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-3	A1/A2	345+44.51	54.61	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-4	A1/A2	346+18.97	51.40	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-5	A1/A2	346+17.88	47.77	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-6	A1/A2	347+43.54	49.97	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-7	A1/A2	348+25.13	39.02	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-8	A1/A2	348+45.39	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-9	A1/A2	349+31.97	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-10	A1/A2	351+06.97	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-11	A1/A2	351+51.31	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-12	A1/A2	352+39.37	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-13	A1/A2	354+29.49	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
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P-15	A1/A2	355+07.33	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
P-16	A1/A2	355+07.33	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
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P-18	A1/A2	357+27.68	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	
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P-72	A1/A2	374+02.48	45.00	1 X 6'	1 X 244	28.5'	T4F	2 X 2'	2 X 114	13.5'	T4F	715-512-310	

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY BROWARD FINANCIAL PROJECT ID 432044-52-01
 A/A BROWARD
 1720 SW 3RD AVENUE
 FORT LAUDERDALE, FL 33308
 ENGINEER OF RECORD
 MICHAEL A. NOLAN, P.E.
 P.E. NO. 98988

POLE DATA
 AND LEGEND

SHEET NO. L-5

CONVENTIONAL LIGHTING DESIGN CRITERIA

Minor Arterial
 Average Initial Intensity 1.0 Foot Candles
 Uniformity Ratio 4:1 Or Less
 Avg./Min. 10:1 Or Less
 Wind Speed Criteria 150 MPH

DISTRIBUTION/ORIENTATION

T4-F < ● ● ● ●

T4-F < ● ● ● ● > T2-F

T4-F
 ▲ ● ● ● ● ▼

T2-L
 < ● ● ● ● <

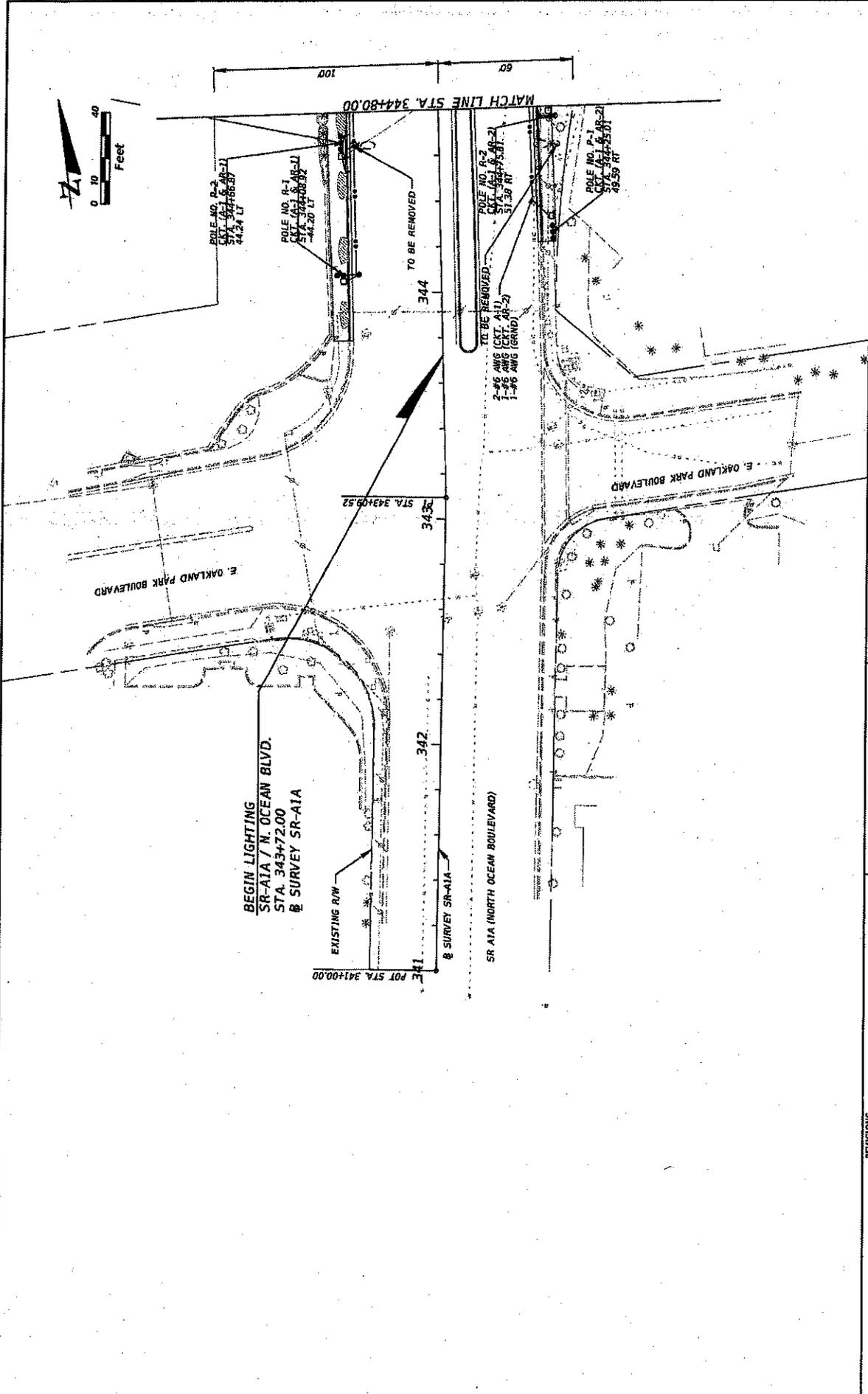
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LEGEND

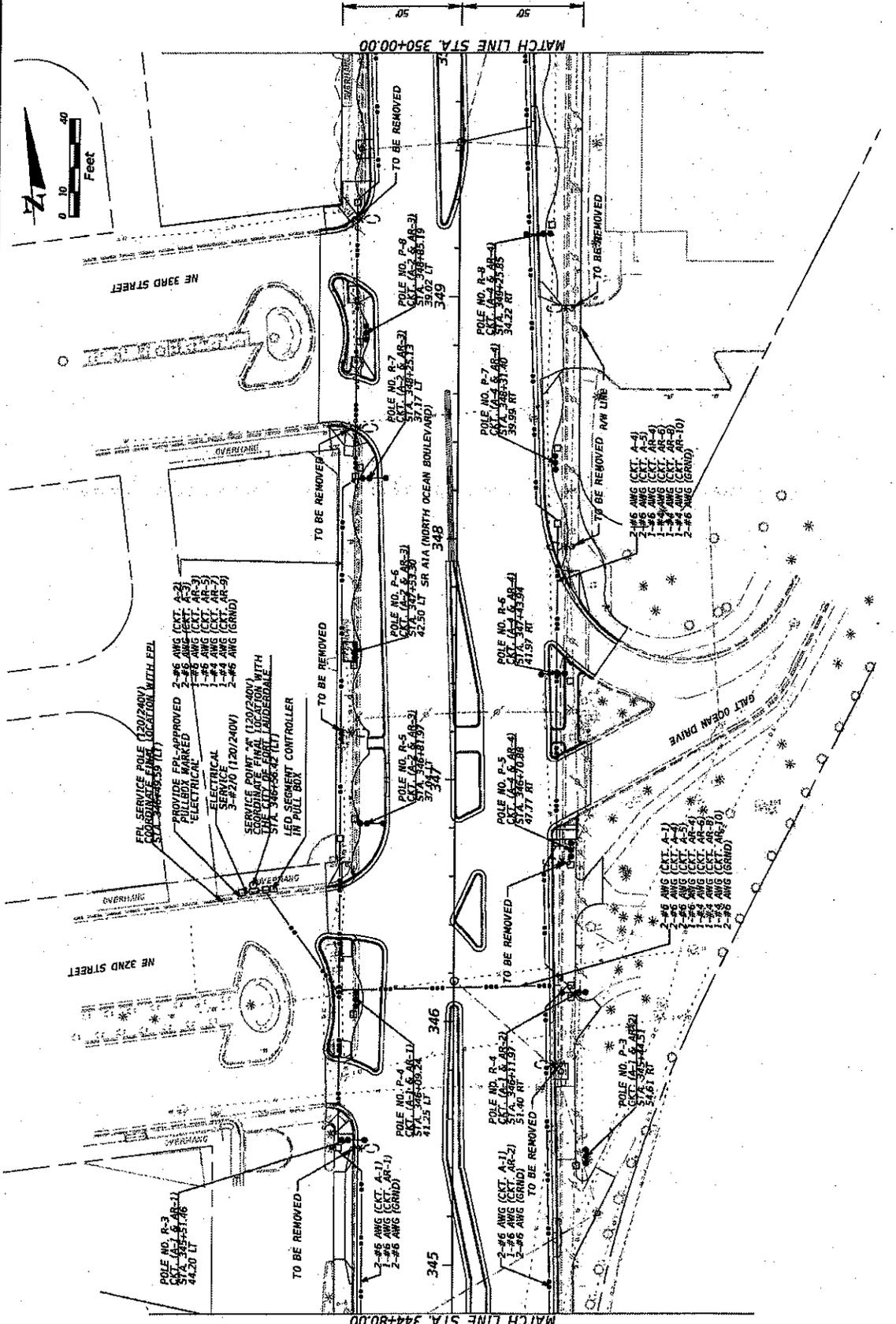
SYMBOLS DESCRIPTION

- Single-arm Pole; 244 W LED Footway luminaire (spun aluminum bell, round, styled dome) (refer to lighting details)
- Double-arm Pole; 244 W LED Footway luminaire (spun aluminum bell, round, styled dome) (refer to lighting details)
- Double-arm Pole; 114 W LED pedestrian luminaire (spun aluminum bell, round, styled dome) (refer to lighting details)
- Existing pole, arm, or luminaire to be relocated.
- Existing pole, arm, or luminaire to be removed.
- 2" Rigid Galvanized Steel Conduit for service power from ferr. pole to service panel with RW-2 Cross-poly link insulated conductors inside conduit.
- 2-2" Schedule 40 PVC underground conduit with RWY Cross-link poly insulated conductors inside conduit. Size and number of conductors shall be as shown on drawings. Lighting circuits and receptacle circuits are placed in separate conduits and one ground wire in each conduit. Conduit locations are approximate and shall be routed to each light pole pull box. Pay Item 630-2-11.
- 2-2" Schedule 40 PVC directional bore with RWY Cross-link poly insulated conductors inside conduit. Size and number of conductors shall be as shown on drawings. Lighting circuits and receptacle circuits are placed in separate conduits and one ground wire in each conduit. Pay Item 630-2-12.
- ⊠ Proposed Load Center (See Index 17504) - Contractor shall verify the exact location of the load center prior to installation. Enclosure to be mounted opposite approaching traffic.
- ⊠ Existing Load Center (See Index 17504).
- Pull Box - If metal covers are used, the covers should be supplied with a ground lug and shall be grounded.

REVISIONS DATE DESCRIPTION		GEORGE S. DYNAPRISER & ENGINEERING SERVICES, LLC 1720 SW 3RD AVENUE POMPANO BEACH, FL 33060 ENGINEER OF RECORD MICHAEL M. WELDRICK, P.E. PE NO. 08888		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID AIA BROWARD 432004-1-52-01		SHEET NO. L-6
DATE DESCRIPTION		12/22/2014 357.59 PM S:\PROJECTS\13-003\Drawings SH AIA Geometric\14122013\1301\Lighting\070101.dwg		POLE DATA AND LEGEND		



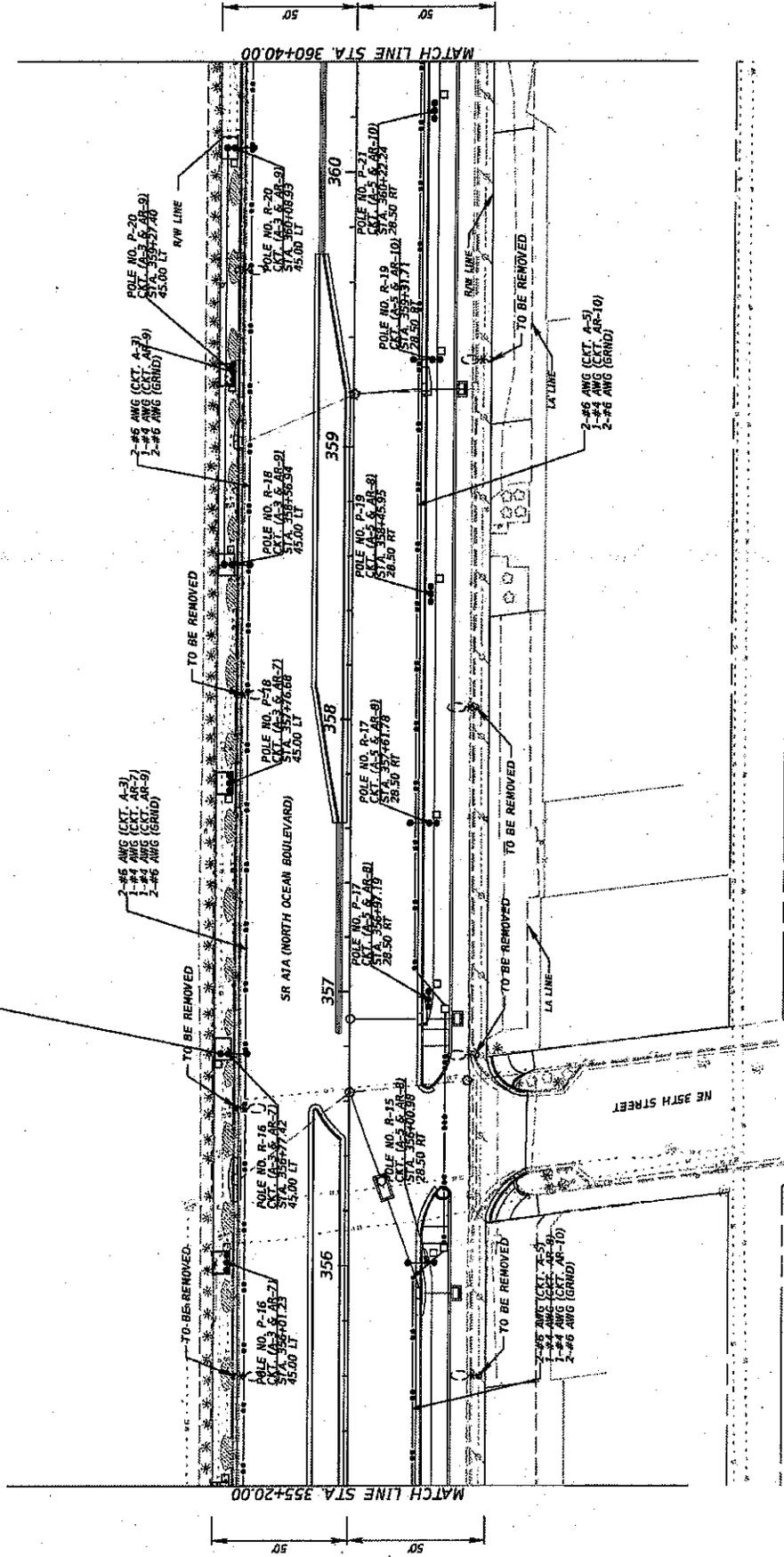
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DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	L-7		
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		CONSENSUS ENTERPRISES & ENGINEERING SERVICES, LLC 1720 SHIRAZ AVENUE POMPANO BEACH, FL 33060 ENGINEER OF RECORD MICHAEL K. MELANDEZ, P.E. PE NO. 128848					
		SUPPLEMENTAL-001 FOR THE SR A1A GREENWAY/BIKEWAY/PATHWAY PROJECT					



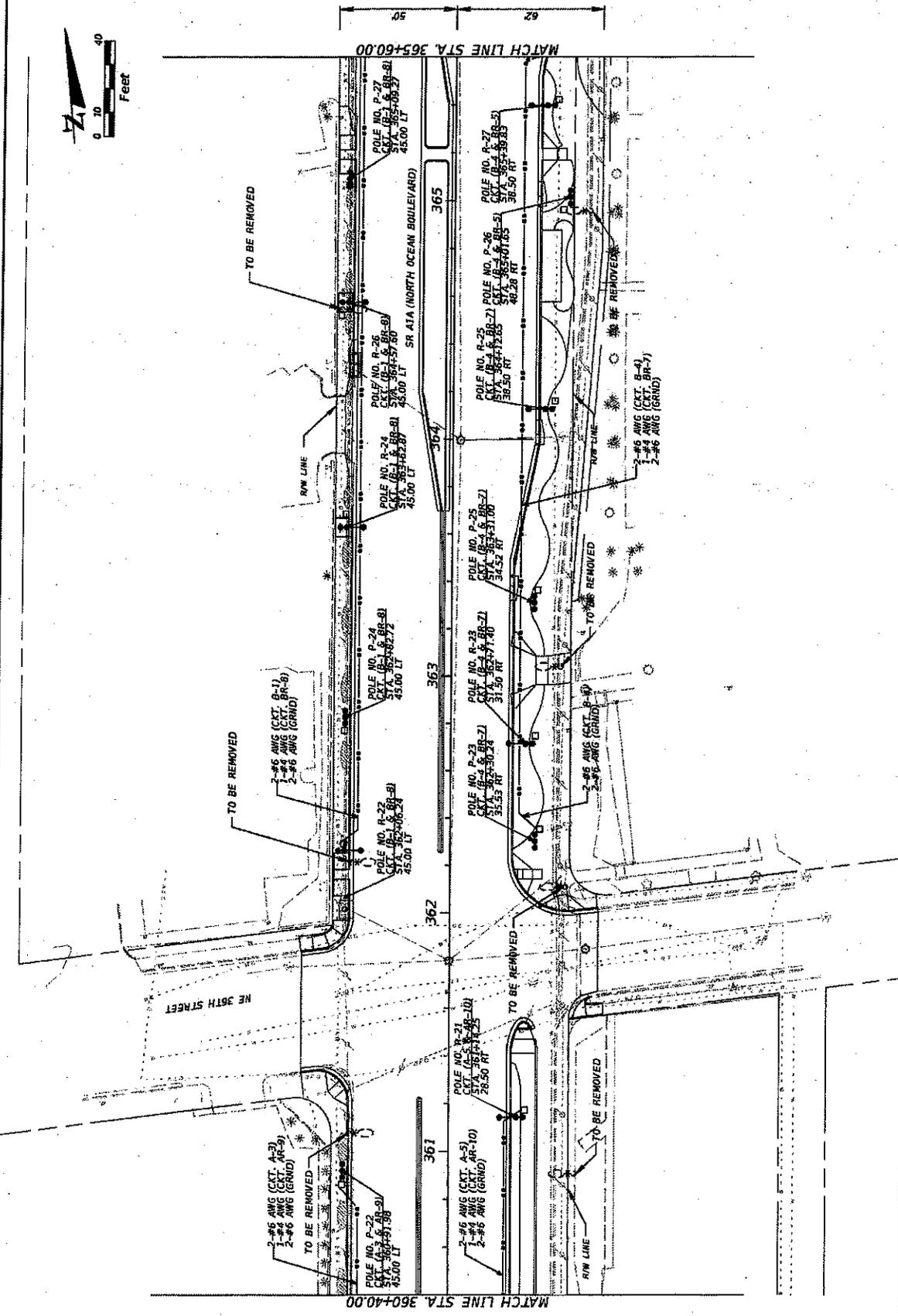
REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

GUNNESS ENTERPRISES & ENGINEERING SERVICES, LLC 1720 SW 3RD AVENUE POMPANO BEACH, FL 33060 ENGINEER OF RECORD MICHAEL M. WELLENDEZ, P.E. PE NO. 15088		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 4312041-52-01	
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SHEET NO.	L-8
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DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO.
			ROAD NO. A1A	L-10
			COUNTY BROWARD	
			FINANCIAL PROJECT ID 431204-1-17-01	
			ENGINEERS OF RECORD MICHAEL M. MELANDEZ, P.E. P.E. NO. 08066	
			GENESIS ENTERPRISES & ENGINEERING SERVICES, LLC 1720 SW 3RD AVENUE POMPANNO BEACH, FL 33060	
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SHEET NO.
L-11

LIGHTING PLAN

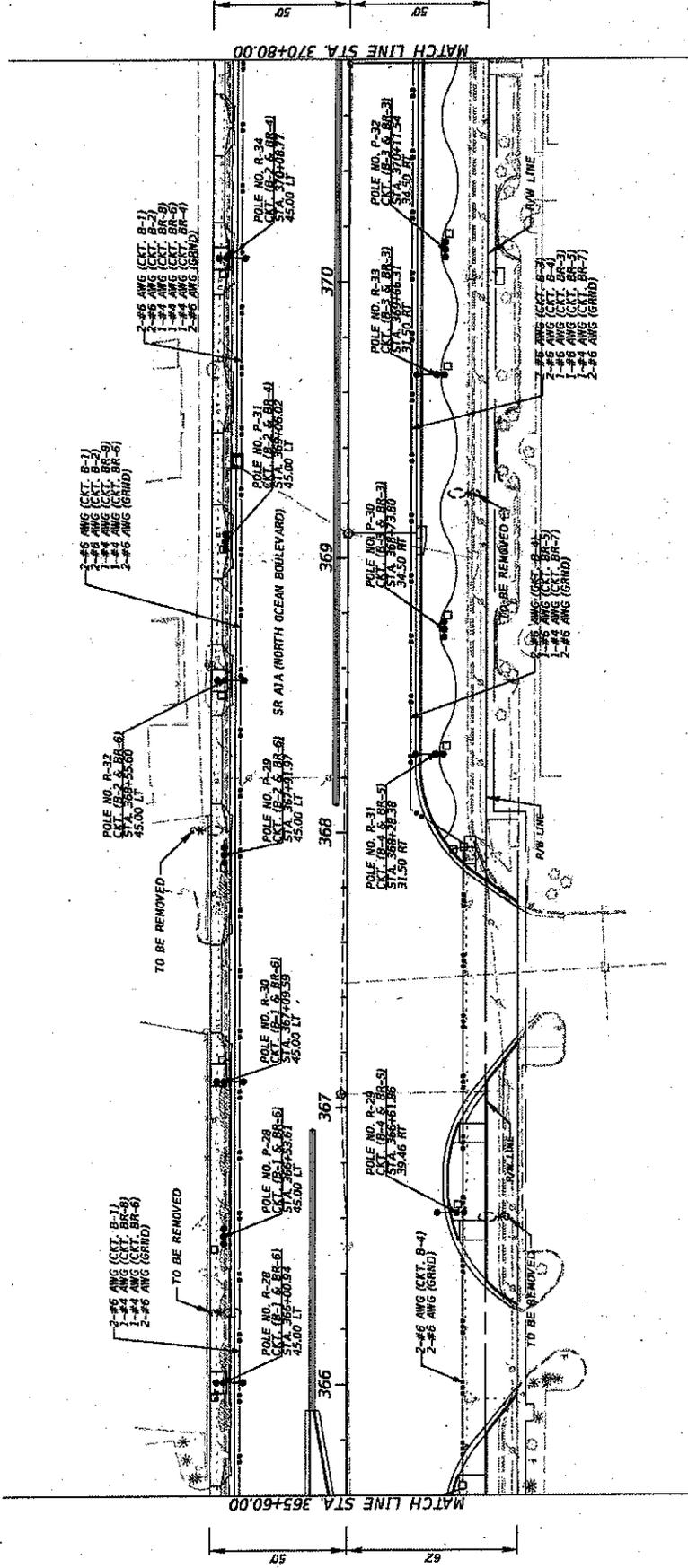
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	431204-52-01

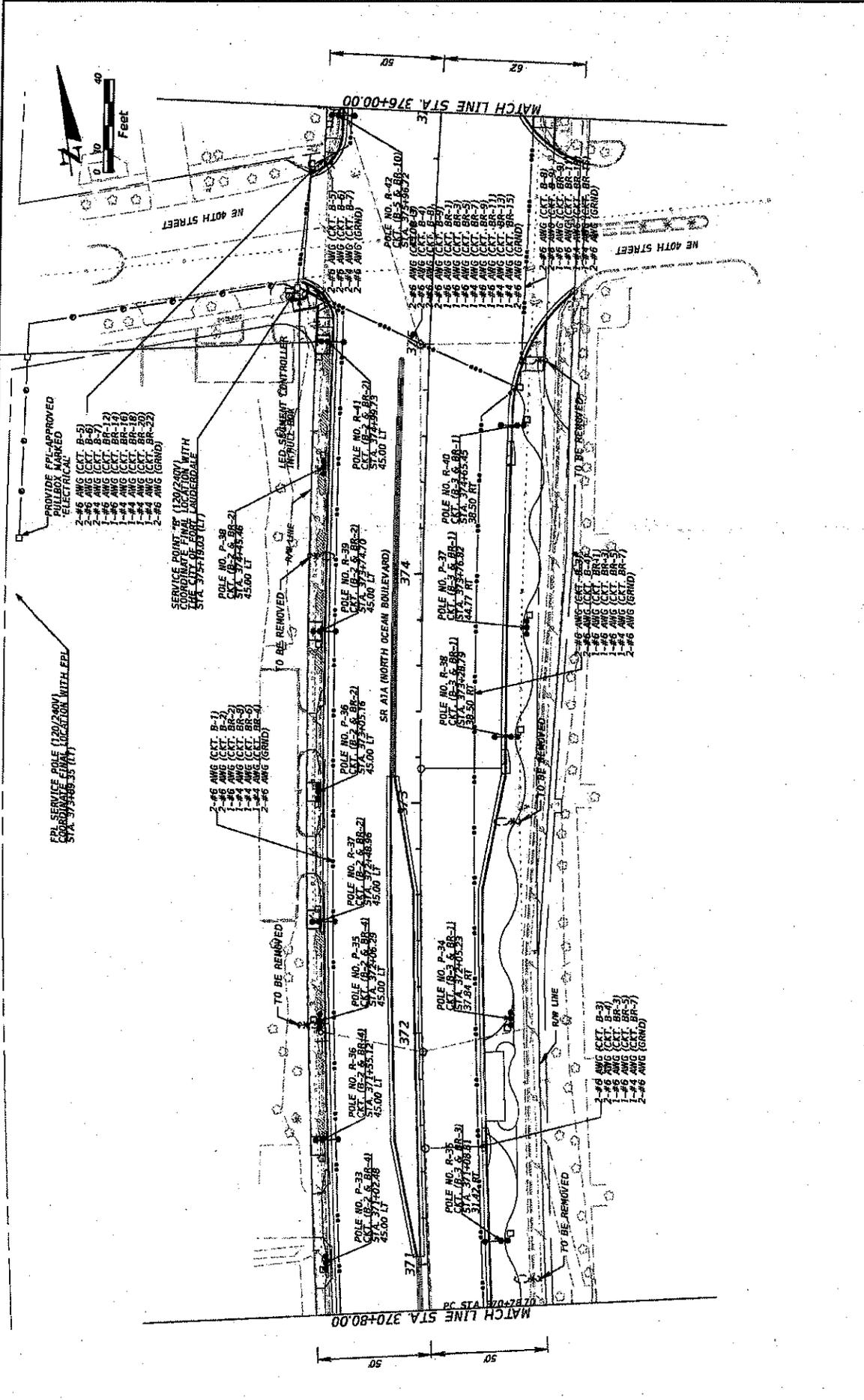
GRESS ENTERPRISES & ENGINEERING SERVICES, LLC
1720 SW 3RD AVENUE
POMPANNO BEACH, FL 33060
ENGINEER OF RECORD
MICHAEL M. MELNDEZ, P.E.
PE NO. 98068

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

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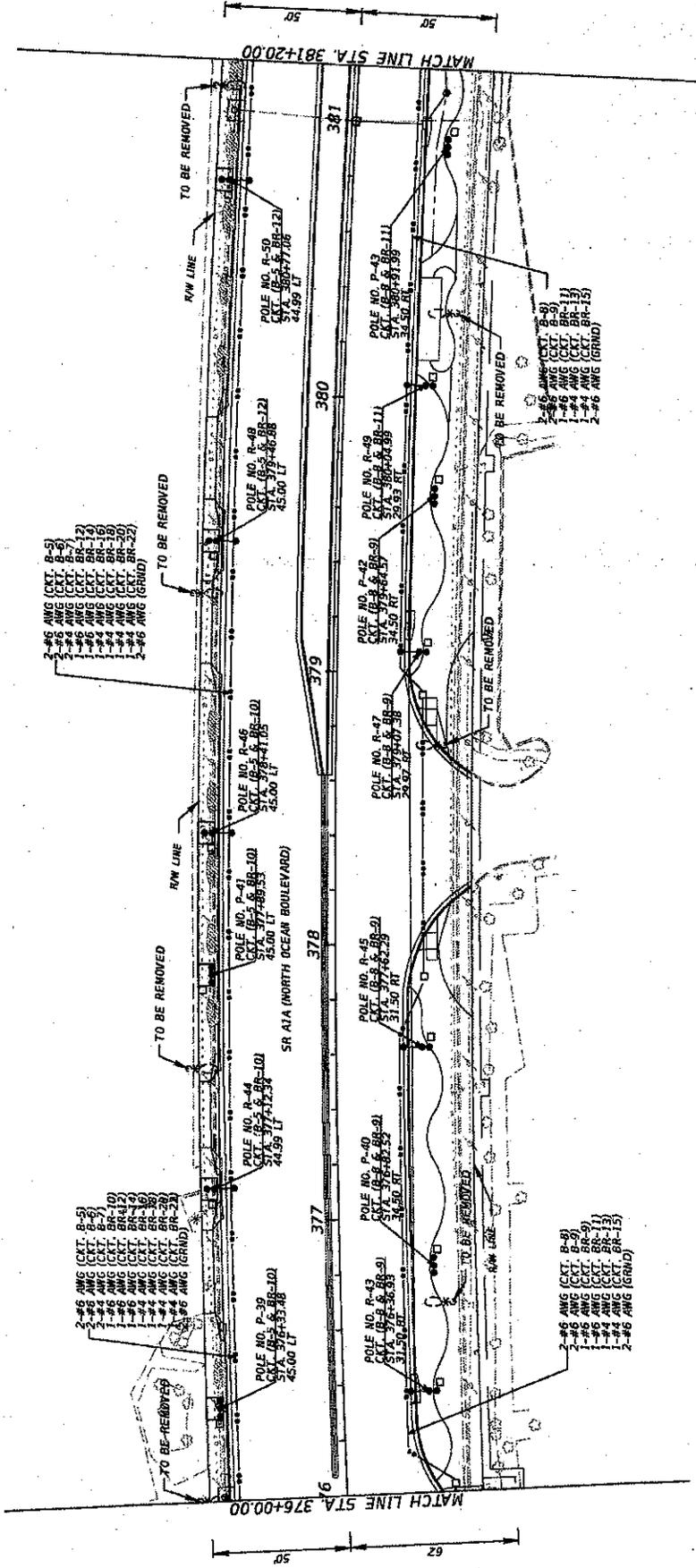
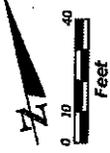


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		GENESIS ENTERPRISES & ENGINEERING SERVICES, LLC					
		1720 SW 9RD AVENUE					
		POMPANO BEACH, FL 33060					
		ENGINEER OF RECORD					
		MICHAEL M. WELLS, P.E.					
		P.E. NO. 12008					
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REVISIONS		STATE OF FLORIDA	
DATE	DESCRIPTION	ROAD NO.	COUNTY
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		FINANCIAL PROJECT ID: 432041-52-01	
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GENESIS ENGINEERS & ENGINEERING SERVICES, LLC
 1720 SW 3RD AVENUE
 POMPANO BEACH, FL 33060
 ENGINEER OF RECORD
 MICHAEL M. MELANDEZ, P.E.
 PE NO. 080808



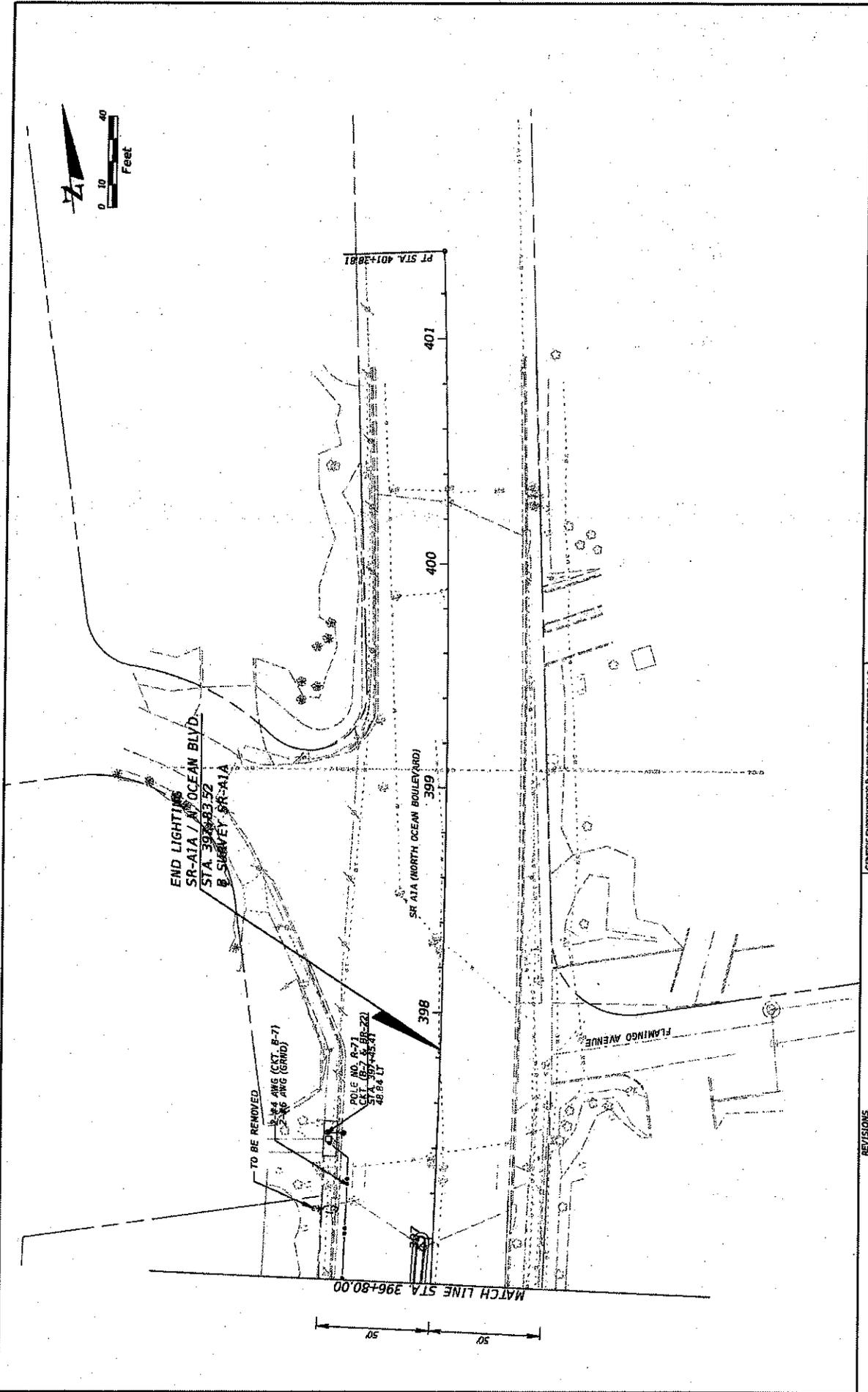
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DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

GENESIS ENTERPRISES & INDUSTRIAL SERVICES, LLC 1720 SW 3RD AVENUE POMPANO BEACH, FL 33060 ENGINEER OF RECORD MICHAEL M. WELBY, P.E. P.E. NO. 68848		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR A1A (NORTH OCEAN BOULEVARD)	BROWARD	43120-41-S2-01

SHEET NO.	L-14
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DATE	DESCRIPTION	REVISIONS	DESCRIPTION

GENESIS ENTERPRISES & ENGINEERING SERVICES, LLC 1720 SW 8RD AVENUE POMPANO BEACH, FL 33060 ENGINEER OF RECORD MICHAEL M. MELNICK, P.E. PE NO. 98698		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD NO. A1A	COUNTY BROWARD	FINANCIAL PROJECT ID 431204-152-01

LIGHTING PLAN		SHEET NO. L-18
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FOUNDATION NOTES

CONCRETE SHALL BE CLASS II WITH MIN. $F'c = 3,400$ PSI

STEEL SHALL BE ASTM A615, GRADE 60 (FY = 60,000 PSI)

BASE FORCES AND MOMENTS CALCULATED BASED ON A DESIGN WIND SPEED OF 150 MPH, USING DESIGN GUIDELINES OUTLINED IN THE CURRENT IBC AND IBC 2006 STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (4TH ED, SECTION 5).

BASE SERVICE FORCES AND MOMENTS:
 AXIAL 600 LBF
 MOMENT (X & Y AXES) 19,300 FT-LBF
 MAX SHEAR 770 LBF

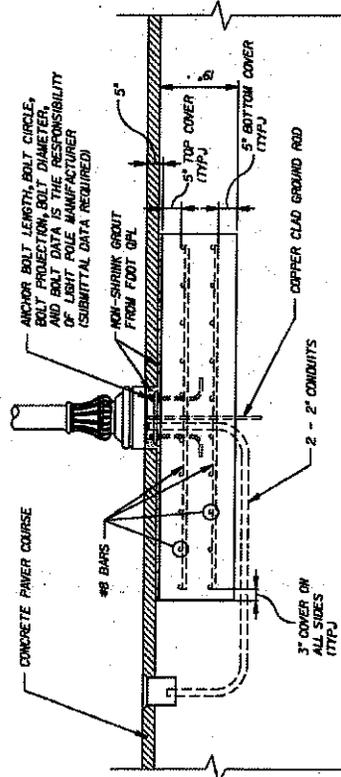
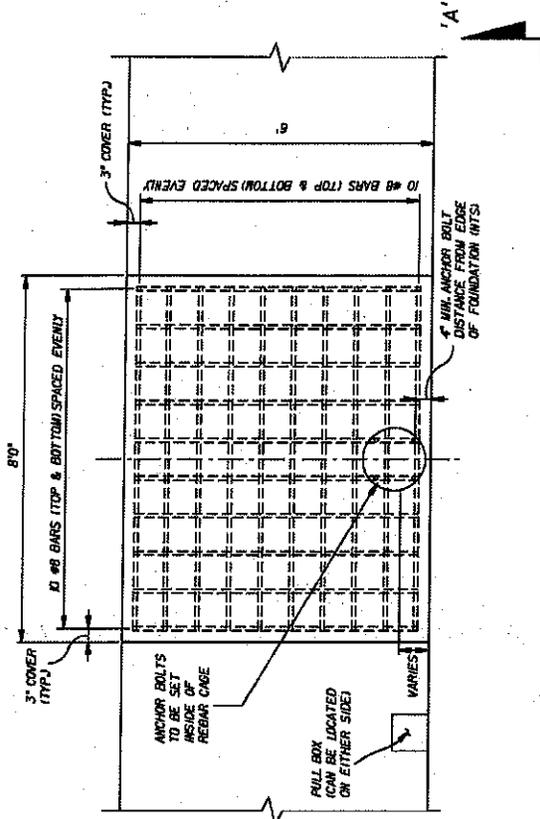
IF ACTUAL FORCES ARE HIGHER THAN THESE DESIGN LOADS, NOTIFY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTING THE FOUNDATION.

DESIGN ASSUMPTIONS:
 ALLOWABLE SOIL PRESSURE = 1,500 PSF (CONSERVATIVE)
 POLE BASE - CONCRETE SLAB CONNECTION IS COMPLETELY RIGID

PULL BOXES MAY BE PLACED ON EITHER SIDE OF FOOTING. THE CONTRACTOR SHOULD TAKE SPECIAL CARE NOT TO PLACE PULL BOXES IN ADA RAMPS.

QUANTITIES PROVIDED IN TABLE BELOW ARE PER FOUNDATION.

ESTIMATED QUANTITIES PER EACH FOUNDATION		
ITEM	UNIT	QUANTITY
CLASS II CONCRETE	CY	3.0
REINFORCING STEEL	LBS	735



VIEW 'A-A'

SPREAD FOOTING FOUNDATION

STATES OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO. A1A	FINANCIAL PROJECT ID 432041-5-01
COUNTY BROWARD	

GENESSI ENGINEERING & ENGINEERING SERVICES, LLC
 1720 SW 5RD AVENUE
 FORT LAUDERDALE, FL 33406
 ENGINEER OF RECORD
 MICHAEL J. MELLENZ, P.E.
 PE NO. 15889

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

FOUNDATION DETAILS

SHEET NO.

L-22

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

