

Lee County Board Of County Commissioners

Agenda Item Summary

Blue Sheet No. 20050105

1. REQUESTED MOTION: Approve the Roadway Lighting System Maintenance Agreement with the Florida Department of Transportation for roadway lighting on Metro Pkwy. (SR739) from Six Mile Cypress to Daniels Parkway. Also, approve the Resolution authorizing the Chairman to execute this agreement.

WHY ACTION IS NECESSARY: Requires Board Of County Commissioners approval for agreements.

WHAT ACTION ACCOMPLISHES: This agreement establishes the commitment of Lee County to serve as the maintaining local agency for roadway lights on Metro Pkwy. (SR739) from Six Mile Cypress to Daniels Parkway.

2. DEPARTMENTAL CATEGORY:
COMMISSION DISTRICT #

C9A

3. MEETING DATE:

02-15-2005

4. AGENDA:

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

5. REQUIREMENT/PURPOSE:
(Specify)

- STATUTE
- ORDINANCE
- ADMIN.
- CODE
- OTHER

6. REQUESTOR OF INFORMATION:

- A. COMMISSIONER
- B. DEPARTMENT Transportation
- C. DIVISION

BY: Scott Gilbertson, Director

7. BACKGROUND: The Florida Department of Transportation has agreed to construct or reconstruct a transportation facility identified as SR739 Metro Parkway. This project will cover Metro Parkway from Six Mile Cypress to Daniels Parkway. The Lee County Department of Transportation will only be responsible for maintenance and payment of all cost of electrical power and /or other electrical charges of the completed highway lighting system.

8. MANAGEMENT RECOMMENDATIONS: Approve the agreement.

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services			G County Manager
<i>1/27/05</i> <i>[Signature]</i>	<i>[Signature]</i>			<i>[Signature]</i>	OA <i>[Signature]</i>	OM <i>[Signature]</i>	Risk <i>[Signature]</i>	GC <i>[Signature]</i> <i>1-28-05</i>

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
Date: *1/31/05*
Time: *3:30*

RECEIVED BY
COUNTY ADMIN: *[Signature]*
1/31/05
4:35 PM
COUNTY ADMIN
FORWARDED TO:
2/3/05

4pm

**RESOLUTION
UTILITY AGREEMENT**

FPN				COUNTY	S.R.#	FAP NO.
408040	1	52	01	Lee	739	N/A

WHEREAS, the State of Florida Department of Transportation, hereinafter referred to as the **FDOT**, proposes to construct or reconstruct a transportation facility identified above, hereinafter referred to as the **Project**; and

WHEREAS, in order for the **FDOT** to proceed with the Project, it is necessary for _____ Lee County _____, hereinafter referred to as the **UAO**, to execute and deliver to the **FDOT** the agreement identified as Roadway Lighting System Maintenance Agreements, hereinafter referred to as the **Agreement**;

NOW, THEREFORE, BE IT RESOLVED BY THE UAO:

That **(Name)** _____, **(Title)** _____ be hereby authorized and directed to execute and deliver the Agreement to the **FDOT**.

A certified copy of this Resolution be forwarded to the **FDOT** along with the executed Agreement.

ON MOTION of _____, seconded by ____, the above resolution was introduced and passed by the **UAO** on the ____ day of _____, 20__.

NAME: _____

Title: _____

ATTEST: _____

Title: _____



December 8, 2004

LEE-001-01
(Utilities)

Mike Say
Lee County Traffic
5650 Enterprise Parkway
Fort Myres, FL 33905

RE: FP ID: 408040-1-52-1
Roadway ID: Metro Parkway
SR: 739
County: Lee
Description: From Six Mile Cypress to Daniels Parkway

Dear Mr. Say,

I have enclosed five (5) Roadway Lighting System Maintenance Agreements, Resolutions for your execution, and two (2) sets of the Highway Lighting plans (referenced as Exhibit A) for your review.

Your Agency will be responsible for the MAINTENANCE and for the PAYMENT of all cost of ELECTRICAL POWER and/or OTHER ELECTRICAL CHARGES, incurred in connection with the operation of the completed highway lighting system.

In order to meet the production schedule for this project, I am requesting that the executed Agreements, Resolutions and one set of plans be returned to this office by 12/31/04.

Thank you for your cooperation. If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "David Ledgerwood". The signature is fluid and cursive, with a large initial "D" and "L".

David Ledgerwood, E.I.
Utility Coordinator

Enclosure(s)

cc: Gary Beagles, Utility Project Manager

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Form No. 710-010-52
Utilities
10/04

Financial Project ID: 408040-1-32-1	Federal Project ID:
County: Lee	State Road No.: 739
District Document No:	
Utility Agency/Owner (UAO): Lee County Traffic	

THIS AGREEMENT, entered into this 9th day of December, year of 2004, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, hereinafter referred to as the "FDOT and Lee County Traffic, hereinafter referred to as the "MAINTAINING AGENCY";

WITNESSETH:

WHEREAS, there exists or is about to be installed on the state highway system a lighting system more particularly described in Exhibit A attached hereto, and by this reference made a part hereof, hereinafter referred to as the Roadway Lighting System; and;

NOW, THEREFORE, in consideration of the premises and the mutual covenants contained herein, the **FDOT** and the **MAINTAINING AGENCY** hereby agree as follows:

1. Maintenance of the Roadway Lighting System

- a. The **MAINTAINING AGENCY** shall, at its sole cost and expense, maintain the Roadway Lighting System throughout its expected useful life.
- b. In maintaining the Roadway Lighting System, the **MAINTAINING AGENCY** shall perform all activities necessary to keep the Roadway Lighting System fully and properly functioning at all times for its normal expected useful life in accordance with the original design thereof, whether necessitated by normal wear and tear, accidental or intentional damage, or acts of nature. Said maintenance shall include, but shall not be limited to, routine inspection and testing, preventative maintenance, emergency maintenance, replacement of any component parts of the Roadway Lighting System (including the poles and any and all other component parts installed as part of the Roadway Lighting System), and the locating of facilities as may be necessary.
- c. All maintenance shall be in accordance with the provisions of the following:
 - (1) Roadway and Roadside Maintenance Procedure, Topic No. 850-000-015;
 - (2) Manual of Uniform Traffic Control Devices and Safe Procedures for Streets and Highway Construction; and
 - (3) All other applicable local, state or Federal laws, rules resolution, or ordinances and **FDOT** procedures.

2. Operating Costs

In addition to the costs of maintaining the Roadway Lighting System, the **MAINTAINING AGENCY** shall be responsible for all costs of operating the Roadway Lighting System, including, but not limited to, all costs of electrical power consumed by the Roadway Lighting System and all other electrical charges.

3. Record Keeping

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Form No. 710-010-52
Utilities
10/04

The **MAINTAINING AGENCY** shall keep records of all activities performed and costs expended pursuant to this Agreement. The records shall be kept in such format as is approved by the **FDOT**. All such records shall be deemed to be public records subject to the provisions of Chapter 119, Florida Statutes.

4. Default

In the event that the **MAINTAINING AGENCY** breaches any provision of this Agreement, then in addition to any other remedies which are otherwise provided for in this Agreement, the **FDOT** may exercise one or more of the following options, provided that at no time shall the **FDOT** be entitled to receive double recovery of damages:

- a. Pursue a claim for damages suffered by the **FDOT** or the public.
- b. Suspend the issuance of further permits to the **MAINTAINING AGENCY** for the placement of Facilities on **FDOT** property if the breach is material and has not been cured within 60 days from written notice thereof from **FDOT** until such time as the breach is cured.
- c. Pursue any other remedies legally available.
- d. Perform any work with its own forces or through contractors and seek repayment for the cost thereof from the **MAINTAINING AGENCY**.
- e. Require the **MAINTAINING AGENCY** to remove the Roadway Lighting System at the **MAINTAINING AGENCY's** sole cost and expense.

5. Indemnification

FOR GOVERNMENT MAINTAINING AGENCY:

To the extent provided by law, the **MAINTAINING AGENCY** shall indemnify, defend, and hold harmless the **FDOT** and all of its officers, agents, and employees from any claim, loss, damage, cost, charge, or expense arising out of any acts, action, error, neglect, or omission by the **MAINTAINING AGENCY**, its agents, employees, or contractors during the performance of the Agreement, whether direct or indirect, and whether to any person or property to which **FDOT** or said parties may be subject, except that neither the **MAINTAINING AGENCY**, its agents, employees, or contractors will be liable under this section for damages arising out of the injury or damage to persons or property directly caused by or resulting from the negligence of the **FDOT** or any of its officers, agents, or employees during the performance of this Agreement.

When the **FDOT** receives a notice of claim for damages that may have been caused by the **MAINTAINING AGENCY** in the performance of services required under this Agreement, the **FDOT** will immediately forward the claim to the **MAINTAINING AGENCY**. The **MAINTAINING AGENCY** and the **FDOT** will evaluate the claim and report their findings to each other within fourteen (14) working days and will jointly discuss options in defending the claim. After reviewing the claim, the **FDOT** will determine whether to require the participation of the **MAINTAINING AGENCY** in the defense of the claim or to require the **MAINTAINING AGENCY** to defend the **FDOT** in such claim as described in this section. The **FDOT's** failure to notify the **MAINTAINING AGENCY** of a claim shall not release the **MAINTAINING AGENCY** from any of the requirements of this section. The **FDOT** and the **MAINTAINING AGENCY** will pay their own costs for the evaluation, settlement negotiations, and trial, if any. However, if only one party participates in the defense of the claim at trial, that party is responsible for all costs.

FOR NON-GOVERNMENT MAINTAINING AGENCY:

The **MAINTAINING AGENCY** shall indemnify, defend, and hold harmless the **FDOT** and all of its officers, agents, and employees from any claim, loss, damage, cost, charge, or expense arising out of any acts, action, error, neglect, or omission by the **MAINTAINING AGENCY**, its agents, employees, or contractors during the performance of the Agreement, whether direct or indirect, and whether to any person or property to which **FDOT**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Form No. 710-010-52
Utilities
10/04

or said parties may be subject, except that neither the **MAINTAINING AGENCY**, its agents, employees, or contractors will be liable under this section for damages arising out of the injury or damage to persons or property directly caused by or resulting from the negligence of the **FDOT** or any of its officers, agents, or employees during the performance of this Agreement.

The **MAINTAINING AGENCY=s** obligation to indemnify, defend, and pay for the defense or at the **FDOT=s** option, to participate and associate with the **FDOT** in the defense and trial of any damage claim or suit and any related settlement negotiations, shall arise within fourteen (14) days of receipt by the **MAINTAINING AGENCY** of the **FDOT=s** notice of claim for indemnification to the **MAINTAINING AGENCY**. The notice of claim for indemnification shall be served by certified mail. The **MAINTAINING AGENCY=s** obligation to defend and indemnify within fourteen (14) days of such notice shall not be excused because of the **MAINTAINING AGENCY=s** inability to evaluate liability or because the **MAINTAINING AGENCY** evaluates liability and determines the **MAINTAINING AGENCY** is not liable or determines the **FDOT** is solely negligent. Only a final adjudication or judgment finding the **FDOT** solely negligent shall excuse performance of this provision by the **MAINTAINING AGENCY**. The **MAINTAINING AGENCY** shall pay all costs and fees related to this obligation and its enforcement by the **FDOT**. The **FDOT=s** delay in notifying the **MAINTAINING AGENCY** of a claim shall not release the **MAINTAINING AGENCY** of the above duty to defend.

6. Force Majeure

Neither the **MAINTAINING AGENCY** nor the **FDOT** shall be liable to the other for any failure to perform under this Agreement to the extent such performance is prevented by an act of God, war, riots, natural catastrophe, or other event beyond the control of the non-performing party and which could not have been avoided or overcome by the exercise of due diligence; provided that the party claiming the excuse from performance has (a) promptly notified the other party of the occurrence and its estimate duration, (b) promptly remedied or mitigated the effect of the occurrence to the extent possible, and (c) resumed performance as soon as possible.

7. Miscellaneous

- a. This Agreement constitutes the complete and final expression of the parties with respect to the subject matter hereof and supersedes all prior agreements, understandings, or negotiations with respect thereto, except that the parties understand and agree that the **FDOT** has manuals and written policies and procedures which shall be applicable at the time of the Project and the relocation of the Facilities and except that the **MAINTAINING AGENCY** and the **FDOT** may have entered into joint agreements for Utility Work to be performed by **FDOT=s** highway contractor. To the extent that such a joint agreement exists, this Agreement shall not apply to Facilities covered by the joint agreement. Copies of **FDOT** manuals, policies, and procedures will be provided to the **MAINTAINING AGENCY** upon request.
- b. This Agreement shall be governed by the laws of the State of Florida. Any provision hereof found to be unlawful or unenforceable shall be severable and shall not affect the validity of the remaining provisions hereof.
- c. Time is of the essence in the performance of all obligations under this Agreement.
- d. All notices required pursuant to the terms hereof may be sent by first class United States Mail, facsimile transmission, hand delivery, or express mail and shall be deemed to have been received by the end of five business days from the proper sending thereof unless proof of prior actual receipt is provided. The **MAINTAINING AGENCY** shall have a continuing obligation to notify each District of the **FDOT** of the appropriate persons for notices to be sent pursuant to this Agreement. Unless otherwise notified in writing, notices shall be sent to the following addresses:

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Form No. 710-010-52
Utilities
10/04

If to the **MAINTAINING AGENCY**:

If to the **FDOT**

- e. **PUBLIC ENTITY CRIME INFORMATION STATEMENT:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for **CATEGORY TWO** for a period of 36 months from the date of being placed on the convicted vendor list.
- f. An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

8. Certification

This document is a printout of an **FDOT** form maintained in an electronic format and all revisions thereto by the **MAINTAINING AGENCY** in the form of additions, deletions, or substitutions are reflected only in an Appendix entitled "Changes To Form Document" and no change is made in the text of the document itself. Hand notations on affected portions of this document may refer to changes reflected in the above-named Appendix but are for reference purposes only and do not change the terms of the document. By signing this document, the **MAINTAINING AGENCY** hereby represents that no change has been made to the text of this document except through the terms of the Appendix entitled "Changes To Form Document."

You **MUST** signify by selecting or checking which of the following applies:

- No changes have been made to this Forms Document and no Appendix entitled "Changes to Form Document" is attached.
- No changes have been made to this Form Document, but changes are included on the attached Appendix entitled "Changes to Form Document."

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Form No. 710-010-52
Utilities
10/04

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

MAINTAINING AGENCY

DATE: _____

BY: (Signature) _____

(Typed Name: _____)

Recommend Approval by the District Utility Office

DATE: _____

BY: (Signature) _____

(Typed Name: _____)

FDOT Legal Review

BY: (Signature) _____

DATE: _____

District Counsel

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

BY: (Signature) _____

DATE: _____

(Typed Name: _____)

(Typed Title: _____)

FEDERAL HIGHWAY ADMINISTRATION (if applicable)

BY: _____

DATE: _____

(Typed Name: _____)

(Typed Title: _____)



December 8, 2004

LEE-001-01
(Utilities)

Mike Say
Lee County Traffic
5650 Enterprise Parkway
Fort Myres, FL 33905

RE: FP ID: 408040-1-52-1
Roadway ID: Metro Parkway
SR: 739
County: Lee
Description: From Six Mile Cypress to Daniels Parkway

Dear Mr. Say,

I have enclosed five (5) Roadway Lighting System Maintenance Agreements, Resolutions for your execution, and two (2) sets of the Highway Lighting plans (referenced as Exhibit A) for your review.

Your Agency will be responsible for the MAINTENANCE and for the PAYMENT of all cost of ELECTRICAL POWER and/or OTHER ELECTRICAL CHARGES, incurred in connection with the operation of the completed highway lighting system.

In order to meet the production schedule for this project, I am requesting that the executed Agreements, Resolutions and one set of plans be returned to this office by 12/31/04.

Thank you for your cooperation. If you have any questions, please call.

Sincerely,

A handwritten signature in black ink that reads "David Ledgerwood". The signature is written in a cursive style with a large, looping "D" and "L".

David Ledgerwood, E.I.
Utility Coordinator

Enclosure(s)
cc: Gary Beagles, Utility Project Manager

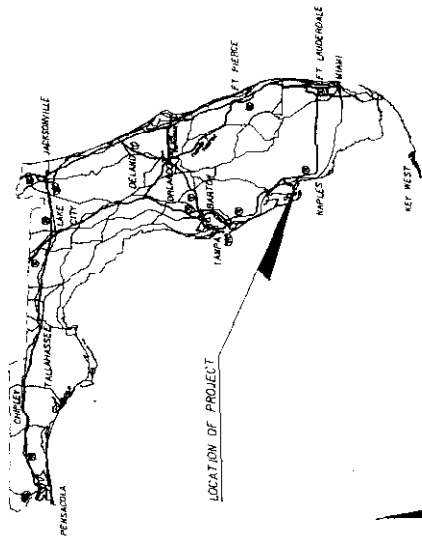
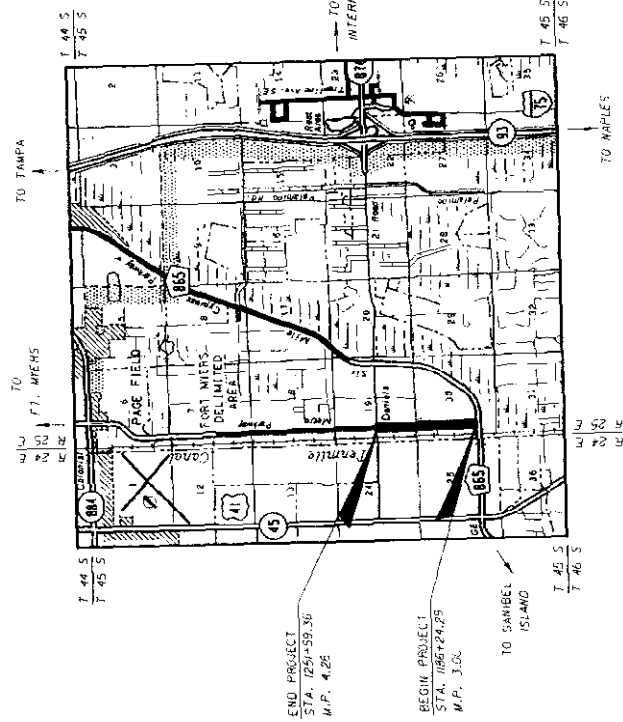
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS
FINANCIAL PROJECT ID 408040-1-52-01
LEE COUNTY (12011)
STATE ROAD NO. 739

ROADWAY LIGHTING PLANS

INDEX OF ROADWAY LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2 - L-3	TABULATION OF QUANTITIES
L-4	GENERAL NOTES
L-5	POLE DATA & LEGEND
L-6	LIGHTING FIXTURE DETAIL
L-7 - L-19	ROADWAY LIGHTING PLANS
L-20 - L-21	LOAD CENTER DETAIL



ROADWAY LIGHTING SHOP DRAWINGS TO BE SUBMITTED TO:

ANDREW J. AMES, P.E.
1000 W. UNIVERSITY BLVD., SUITE 100
ORLANDO, FLORIDA 32803

PLANS PREPARED BY:



GMB ENGINEERS & PLANNERS, INC.
1000 W. UNIVERSITY BLVD., SUITE 100
ORLANDO, FLORIDA 32803
PHONE: 407-898-5424
FAX: 407-898-5424
CONSULTANT CONTRACT NO.: A674
CERTIFICATE OF AUTHORIZATION NO.: 000083

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

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY LIGHTING PLANS

ENGINEER OF RECORD: ANDREW J. AMES, P.E.

P.E. NO. 52576

FISCAL YEAR	07
SHEET NO.	L-1

PHASE IV (100%) SUBMITTAL
NOVEMBER, 2004

FGO'S PROJECT MANAGER: SARAH CLARKE, P.E.
LEE COUNTY PROJECT MANAGER: DON DEBERRY, P.E.

TABULATION OF QUANTITIES

PART ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET	GRAND TOTAL	REF. SHEET				
			L-7		L-8		L-9		L-10		L-11		L-12		L-13		L-14					L-15		L-16	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				PLAN	FINAL	PLAN	FINAL
400-1-15	CLASS J CONCRETE (MISCELLANEOUS)	CY	4		6		6		6		6		6		6		6		6		6		58		
715-1-13	CONDUCTOR (FBI) (INSULATED) (NO. 6)	LF	1167		3366		3366		3366		3366		3366		3366		3366		3366		3366		6680		
715-1-14	CONDUCTOR (FBI) (INSULATED) (NO. 4)	LF																					6180		
715-2-15	CONDUIT (FBI) UNDERGROUND PVC SCH. 40 (2")	LF	412		954		1042		1050		1046		973		960		917		1081		1045		9520		
715-2-16	CONDUIT (FBI) UNDERGROUND PVC SCH. 40 (2")	LF	354		316		162		120		118		576		280		408		78		180		2602		
715-7-11	LOAD CENTER (FBI) (SECONDARY VOLTAGE)	EA																							
715-14-11	PULL BOX (FBI) (ROADSIDE MOUNTED)	EA	5		8		7		6		9		10		7		9		7		7		73		
715-37-1	PHOTO ELECTRIC CONTROL ASSEMBLY (FBI)	EA																							
715-501-1	POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL)	EA	4		6		6		6		7		6		6		6		6		5		58		
715-505-10	LIGHTING POLE COMPLETE (FBI) (POLE TOP MOUNT)	EA	4		6		6		6		7		6		6		6		5		5		58		
715-550-000	LIGHTING POLE COMPLETE (REWORKED)	EA	1		7		4		6		4		5		4		5		4		4		44		

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

GMB
ENGINEERS & PLANNERS, INC.

3150 Square Boulevard, Suite 11
Tampa, FL 33613-4435
Phone: 813-988-4435
Fax: 813-988-4435
Certificate of Authorization # 00080835

STATES OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. SP 739 COUNTY LEE FINANCIAL PROJECT ID 408040-1-52-01

SHEET NO. L-2

TABULATION OF QUANTITIES

TABULATION OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	L-17		L-18		L-19		SHEET NUMBERS		TOTAL THIS SHEET	GRAND TOTAL	SHEET REF.
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
400-1-15	CLASS 1 CONCRETE (MISCELLANEOUS)	CY		3	4	2					9	67	
715-1-113	CONDUCTOR (FBI) (INSULATED) (NO. 6)	LF	3354	3363	354						7071	33951	
715-1-114	CONDUCTOR (FBI) (INSULATED) (NO. 4)	LF									6120	11458	
715-2-115	CONDUIT (FBI) UNDERGROUND (PVC SCH. 40) (2")	LF	1045	775	118						1938	11458	
715-2-116	CONDUIT (FBI) UNDERGROUND (PVC SCH. BOX 2")	LF	146	692							838	3440	
715-7-11	LOAD CENTER (FBI) (SECONDARY VOLTAGE)	EA									-	7	
715-14-11	PULL BOX (FBI) (ROADSIDE-MOUNTED)	EA	6	8	2						16	89	
715-37-1	PHOTO ELECTRIC CONTROL ASSEMBLY (FBI)	EA									-	1	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL)	EA	3	4	2						9	67	
715-516-140	LIGHTING POLE COMPLETE (FBI) (POLE TOP MOUNT)	EA	3	4	2						9	67	
715-550-000	LIGHTING POLE COMPLETE (REMOVE)	EA	3	3	8						14	58	

TABULATION OF QUANTITIES

DATE	BR	DESCRIPTION	DATE	BR	DESCRIPTION
REVISIONS					
GMB Engineers & Planners, Inc. 375 MOORE BOULEVARD, SUITE 8 DORAL, FL 32801 PHONE: 407-988-5424 FAX: 407-988-5425 E-MAIL: GMB@GMB.COM					
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID: 408040-1-52-01 ROAD NO.: SR 739 COUNTY: LEE PROJECT NO.: 408040-1-52-01					

GENERAL NOTES

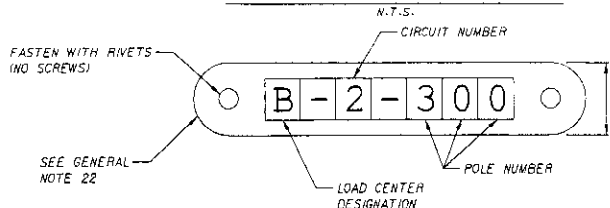
1. THE MAINTENANCE OF TRAFFIC FOR THE PROJECT SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS (DATED JANUARY 2004). ATTENTION IS DIRECTED TO INDEX NOS. 600, 612, AND 623.
2. ANY NGVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY:
 - GEODETIC INFORMATION CENTER
 - ATTN: MARK MAINTENANCE SECTION
 - ATTN: M/CG-162
 - 6001 EXECUTIVE BOULEVARD
 - ROCKVILLE, MARYLAND 20852
 - TELEPHONE NO. 13011 443 8310
3. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR WITHOUT DELAY BY TELEPHONE.
4. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
5. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.

UTILITY OWNERS:

FLORIDA POWER AND LIGHT 15834 WINKLER ROAD FORT MYERS, FL 33908	ROY GARRISON (239) 332-9129
LEE COUNTY UTILITIES ENGINEERING DEPARTMENT 1500 MONROE STREET, 3RD FLOOR FORT MYERS, FL 33901	VIOLET MOLNAR (239) 479-8181
LEE COUNTY DOT TRAFFIC 5050 ENTERPRISE PARKWAY FORT MEYERS, FL 33905	RICHARD EPPS (239) 964-7600
COMCAST (FORMERLY ALDELPHIA) (FORMERLY JONES INTER CABLE) 26880 OLD U.S. 41 BONITA SPRINGS, FL 34134	MIKE PIGOTT (239) 793-9600

8. SEVEN COPIES OF SHOP DRAWINGS AND DESIGN DATA SHALL BE SUBMITTED TO LEE COUNTY ENGINEER OR HIS DESIGNEE. ALLOW A 45 DAY TURNAROUND FOR SUBMITTALS.
9. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, EQUIPMENT SPECIFICATIONS OR DESIGN DATA FOR MATERIAL PROPOSED FOR THE PROJECT AND SHALL INCLUDE, BUT NOT BE LIMITED TO:
 - A) CONDUCTORS, CONDUIT, GROUND RODS AND PULL BOXES,
 - B) FUSES, FUSE HOLDERS, SURGE PROTECTORS,
 - C) SAFETY SWITCHES, PANELS, CIRCUIT BREAKERS AND OTHER MAJOR SERVICE POINT COMPONENTS,
 - D) COPIES OF ALL WARRANTIES FROM THE MANUFACTURER.
10. ANY EXISTING TRAFFIC EQUIPMENT AND TRAFFIC/SIGNAL SYSTEM COMMUNICATIONS FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
11. ANY EXISTING LOOP WIRES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITHIN 24 HOURS BY THE CONTRACTOR AT HIS EXPENSE.
12. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LEVEL OF ILLUMINATION ON THE TRAVELED ROADWAY THROUGHOUT CONSTRUCTION.
13. THE WIRES AT THE POLE HANDHOLES AND PULL BOXES SHALL BE LOOPEL IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS AND SPLICES ONE FOOT OUTSIDE OF HANDHOLE AND PULL BOXES TO MAKE ANY EXISTING LOOP WIRES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITHIN 24 HOURS BY THE CONTRACTOR AT HIS EXPENSE.
14. THE POLE CABLE DISTRIBUTION SHALL BE INSTALLED IN THE PULL BOX ADJACENT TO THE POLE.
15. THE CONTRACTOR SHALL MEASURE THE GROUND ROD RESISTANCE AT EACH POLE, PULL BOX AND SERVICE POINT. THE RESISTANCE SHALL BE RECORDED AND A COPY GIVEN TO THE PROJECT ENGINEER FOR HIS RECORD. COST OF SUCH WORK IS INCIDENTAL TO THE RELATED ITEM.
 - REQUIRES 20 FEET OF GROUND ROD AT EACH POLE AND SHALL READ 15 OHMS OR LESS
 - REQUIRES 30 FEET OF GROUND ROD AT SERVICE PANEL AND SHALL READ 5 OHMS OR LESS
16. THE CONTRACTOR SHALL MAINTAIN TWO COMPLETE SETS OF AS-BUILT PLANS INDICATING ALL CHANGES AND DEVIATIONS FROM PROPOSED CONSTRUCTION. USE COLOR PEN OR PENCIL TO MARK CHANGES AT TIME OF EXECUTION. THE COMPLETED SETS AND ALL WARRANTIES SHALL BE GIVEN TO THE MAINTAINING AGENCY, BEFORE FINAL ACCEPTANCE.
17. LOCATIONS OF PULL BOXES, GROUND RODS, AND CONDUITS, WHICH ARE IN CONFLICT WITH UTILITIES AND TRAFFIC SIGNAL SYSTEM COMMUNICATION CABLES MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER. POLE LOCATIONS MAY BE ADJUSTED 5' LEFT OR RIGHT. IF MORE IS NEEDED CONTACT LEE COUNTY LIGHTING DESIGN ENGINEER.
18. THE MAINTAINING AGENCY FOR THE LIGHTING SYSTEM SHALL BE LEE COUNTY OR ITS DESIGNEE. THE CONTACT PERSON FOR FURTHER INFORMATION SHALL BE MR. DON DEBERRY WITH LEE COUNTY.
19. THE CONTRACTOR SHALL HAND DIG THE FIRST 48" OF EACH FOUNDATION WHERE EXISTING OR PROPOSED UTILITIES ARE IN CLOSE VICINITY OF THE FOUNDATION.
20. THE CONTRACTOR SHALL REFERENCE THE UTILITY ADJUSTMENT SHEETS AT LOCATIONS WHERE POTENTIAL CONFLICTS OCCUR.
21. IT HAS BEEN THE EXPERIENCE OF THE DEPARTMENT, WITH PROJECTS CONSTRUCTED WITHIN THIS GENERAL GEOGRAPHIC AREA, THAT ALTHOUGH PRELIMINARY BORINGS DID NOT INDICATE A CONSTANT PRESENCE OF ROCK, ROCK WAS ENCOUNTERED WHILE PERFORMING UNDERGROUND INSTALLATIONS. THEREFORE, THE CONTRACTOR SHOULD CONSIDER THE INCREASED COST OF ALL UNDERGROUND WORK ACTIVITIES WHILE PREPARING HIS BID. ALL COSTS OF ROCK EXCAVATION SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK CONTAINED WITHIN THE CONTRACT. NO EXTRA COMPENSATION OR TIME EXTENSION WILL BE ALLOWED FOR ADDITIONAL WORK DIRECTLY ASSOCIATED WITH THE SPLITTING, EXCAVATION, CRUSHING, DISPOSAL, REPLACEMENT OF DISPLACED VOLUME OF EXTRACTED ROCK WITH FILL MATERIAL OR SPECIAL HANDLING OF ROCK.
22. FURNISH AND INSTALL AN ALUMINUM IDENTIFICATION TAG ON EACH ROADWAY LIGHTING STANDARD. TAGS SHALL BE 1" X 6" IN SIZE WITH BLACK LETTERS ON YELLOW BACKGROUND, ATTACHED WITH RIVETS (NO SCREWS). NUMBERS SHALL BE AS SHOWN ON THE POLE DATA SHEET, POLE IDENTIFICATION TAG DETAIL. COST OF TAGS SHALL BE INCLUDED IN THE BID ITEMS FOR LIGHT POLE COMPLETE.

POLE IDENTIFICATION TAG DETAIL



REVISIONS						GMB Engineers & Planners, Inc. 3751 Maguire Boulevard, Suite B Orlando, FL 32803 Phone: 407-898-5424 Fax: 407-898-5425 Andrew J. Ames, P.E., P.E. # 52510 Certificate of Authorization # 0000855	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO. L-4
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 739	LEE	408040-1-52-01			

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	UMWIRE H/W/HT	MOUNTING HEIGHT	POLE SETBACK (NEOP)	PAY ITEM
1	A-1	421+78	2"	400 W	40'	14' FROM EOP - RT	715-56-140
2	A-1	423+77	2"	400 W	40'	14' FROM EOP - LT	715-56-140
3	A-1	187+60	2"	400 W	40'	8' FROM EOP - LT	715-56-140
4	A-1	188+50	2"	400 W	40'	8' FROM EOP - RT	715-56-140
5	A-1	189+40	2"	400 W	40'	8' FROM EOP - LT	715-56-140
6	A-1	190+30	2"	400 W	40'	8' FROM EOP - RT	715-56-140
7	A-1	191+20	2"	400 W	40'	8' FROM EOP - LT	715-56-140
8	A-1	192+10	2"	400 W	40'	8' FROM EOP - RT	715-56-140
9	A-1	193+00	2"	400 W	40'	8' FROM EOP - LT	715-56-140
10	A-1	193+50	2"	400 W	40'	8' FROM EOP - RT	715-56-140
11	A-1	194+80	2"	400 W	40'	8' FROM EOP - LT	715-56-140
12	A-1	195+70	2"	400 W	40'	8' FROM EOP - RT	715-56-140
13	A-1	196+60	2"	400 W	40'	8' FROM EOP - LT	715-56-140
14	A-1	197+50	2"	400 W	40'	8' FROM EOP - RT	715-56-140
15	A-1	198+40	2"	400 W	40'	8' FROM EOP - LT	715-56-140
16	A-1	199+30	2"	400 W	40'	8' FROM EOP - RT	715-56-140
17	A-1	200+20	2"	400 W	40'	8' FROM EOP - LT	715-56-140
18	A-1	201+10	2"	400 W	40'	8' FROM EOP - RT	715-56-140
19	A-1	202+00	2"	400 W	40'	8' FROM EOP - LT	715-56-140
20	A-1	202+90	2"	400 W	40'	8' FROM EOP - RT	715-56-140
21	A-1	203+80	2"	400 W	40'	8' FROM EOP - LT	715-56-140
22	A-1	204+70	2"	400 W	40'	8' FROM EOP - RT	715-56-140
23	A-1	205+60	2"	400 W	40'	8' FROM EOP - LT	715-56-140
24	A-1	206+50	2"	400 W	40'	8' FROM EOP - RT	715-56-140
25	A-1	207+40	2"	400 W	40'	8' FROM EOP - LT	715-56-140
26	A-1	208+30	2"	400 W	40'	8' FROM EOP - RT	715-56-140
27	A-1	209+20	2"	400 W	40'	8' FROM EOP - LT	715-56-140
28	A-1	210+10	2"	400 W	40'	8' FROM EOP - RT	715-56-140
29	A-1	211+00	2"	400 W	40'	8' FROM EOP - LT	715-56-140
30	A-1	211+90	2"	400 W	40'	8' FROM EOP - RT	715-56-140
31	A-1	212+80	2"	400 W	40'	8' FROM EOP - LT	715-56-140
32	A-1	213+70	2"	400 W	40'	8' FROM EOP - RT	715-56-140
33	A-1	214+60	2"	400 W	40'	8' FROM EOP - LT	715-56-140
34	A-1	215+50	2"	400 W	40'	8' FROM EOP - RT	715-56-140
35	A-1	216+40	2"	400 W	40'	8' FROM EOP - LT	715-56-140
36	A-1	217+30	2"	400 W	40'	8' FROM EOP - RT	715-56-140
37	A-1	218+20	2"	400 W	40'	8' FROM EOP - LT	715-56-140
38	A-1	219+10	2"	400 W	40'	8' FROM EOP - RT	715-56-140
39	A-1	220+00	2"	400 W	40'	8' FROM EOP - LT	715-56-140
40	A-1	220+88	2"	400 W	40'	8' FROM EOP - RT	715-56-140
41	A-1	221+77	2"	400 W	40'	8' FROM EOP - LT	715-56-140
42	A-1	222+66	2"	400 W	40'	8' FROM EOP - RT	715-56-140
43	A-1	223+55	2"	400 W	40'	8' FROM EOP - LT	715-56-140
44	A-1	224+44	2"	400 W	40'	8' FROM EOP - RT	715-56-140
45	A-1	225+33	2"	400 W	40'	8' FROM EOP - LT	715-56-140
46	A-1	226+22	2"	400 W	40'	8' FROM EOP - RT	715-56-140
47	A-1	227+11	2"	400 W	40'	8' FROM EOP - LT	715-56-140
48	A-1	228+00	2"	400 W	40'	8' FROM EOP - RT	715-56-140
49	A-1	229+00	2"	400 W	40'	8' FROM EOP - LT	715-56-140
50	A-1	229+98	2"	400 W	40'	8' FROM EOP - RT	715-56-140
51	A-1	230+88	2"	400 W	40'	8' FROM EOP - LT	715-56-140
52	A-1	231+86	2"	400 W	40'	8' FROM EOP - RT	715-56-140
53	A-1	232+76	2"	400 W	40'	8' FROM EOP - LT	715-56-140
54	A-1	233+74	2"	400 W	40'	8' FROM EOP - RT	715-56-140
55	A-1	234+64	2"	400 W	40'	8' FROM EOP - LT	715-56-140
56	A-1	235+62	2"	400 W	40'	8' FROM EOP - RT	715-56-140

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	UMWIRE H/W/HT	MOUNTING HEIGHT	POLE SETBACK (NEOP)	PAY ITEM
57	A-2	1236+52	2"	400 W	40'	8' FROM EOP - LT	715-56-140
58	A-4	1237+55	2"	400 W	40'	8' FROM EOP - RT	715-56-140
59	A-4	1238+55	2"	400 W	40'	8' FROM EOP - LT	715-56-140
60	A-4	1241+35	2"	400 W	40'	8' FROM EOP - RT	715-56-140
61	A-4	1243+15	2"	400 W	40'	8' FROM EOP - LT	715-56-140
62	A-4	1244+95	2"	400 W	40'	8' FROM EOP - RT	715-56-140
63	A-4	1246+75	2"	400 W	40'	8' FROM EOP - LT	715-56-140
64	A-4	1248+55	2"	400 W	40'	8' FROM EOP - RT	715-56-140
65	A-2	1249+40	2"	400 W	40'	8' FROM EOP - LT	715-56-140
66	A-4	1250+35	2"	400 W	40'	8' FROM EOP - RT	715-56-140
67	A-2	1251+20	2"	400 W	40'	8' FROM EOP - LT	715-56-140

CONVENTIONAL LIGHTING DESIGN CRITERIA

1-5 Foot Candles
 4:1 Or Less
 10:1 Or Less
 100 MPH
 1-3

LEGEND

DESCRIPTION

400 volt high pressure sodium luminaires. Designed for medium semi-cutoff Type III distribution. Auto regulator type ballast wired for 480 volt operation. Pole mounting height of 40 ft. Use Halophene curve 49396 or equal. Halophene catalog No. Manganese 64001481.FVC-P. Pole shall be HAPCO B-75998 40' X Base Tension Pole.

Existing pole and luminaire to be removed.

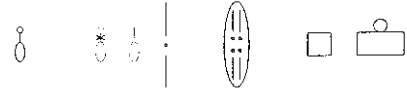
Existing luminaire to remain.

2" Schedule 40 PVC conduit with RHW-XLP conductors inside conduit and conductor size as shown on plan sheets). Run one (1) 6 AWG copper bond conductor (RHW green insulation) inside conduit with other conductors.

2" (Schedule 80 PVC HDPE pipe or Rigid Galvanized Steel) conduit, directional bored under pavement with RHW-XLP conductors inside conduit and conductor size as shown on plan sheets). Extend conduit beyond edge of pavement to pull boxes. Run one (1) 6 AWG copper bond conductor (RHW green insulation) inside conduit with other conductors, and provide a spare conduit at each crossing. Pull box. Use Queste pull box marked "STREET LIGHT". For specifications see Lee County specifications.

Distribution point. For requirements see Index No. 17504 of the FDOT Design Standards.

SYMBOLS

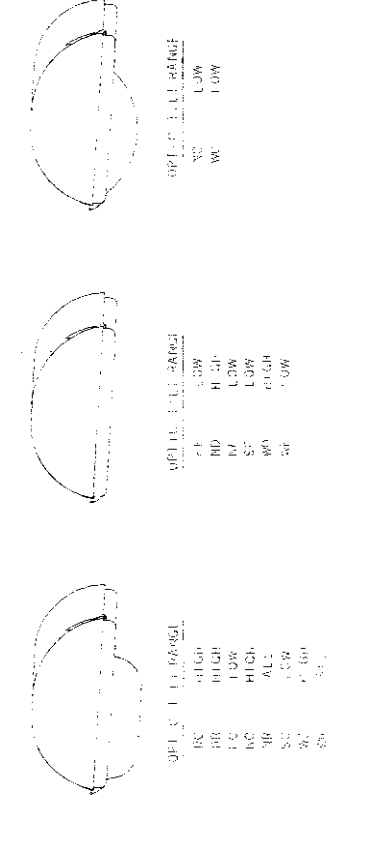
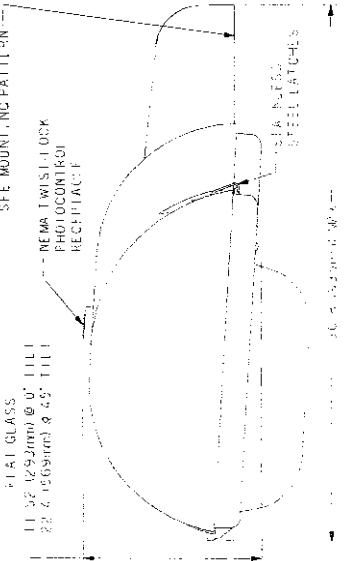


<p>REVISIONS</p> <p>DATE DESCRIPTION</p>		<p>DESCRIPTION</p>	
<p>STATES OF FLORIDA</p> <p>DEPARTMENT OF TRANSPORTATION</p> <p>ROAD NO. COUNTY FINANCIAL PROJECT ID</p> <p>SR 739 LEE 408040-1-52-01</p>		<p>POLE DATA AND LEGEND</p>	
<p>GMB Engineers & Planners, Inc. 35 Leguire Boulevard, Suite 110 Green, FL 32033-188-145 Phone: 407-333-1111 Fax: 407-333-1111 Certificate of Authorization # 000985</p>		<p>SHEET NO. L-5</p>	

HOLOPHANE MONGOOSE®

UL/CUL LISTED
 MAX AMBIENT: 40°C
 MAX WEIGHT: 50 lbs (23 kg)
 EPA: 2.05 sq ft

IRON GLASS
 15 2/3 (387mm) @ 0° TILT
 22 4 (569mm) @ 45° TILT



SECRETS AND MATERIALS:
 1 - 15 2/3 (387mm) @ 0° TILT
 2 - 22 4 (569mm) @ 45° TILT
 3 - 15 2/3 (387mm) @ 0° TILT
 4 - 22 4 (569mm) @ 45° TILT
 5 - 15 2/3 (387mm) @ 0° TILT
 6 - 22 4 (569mm) @ 45° TILT
 7 - 15 2/3 (387mm) @ 0° TILT
 8 - 22 4 (569mm) @ 45° TILT
 9 - 15 2/3 (387mm) @ 0° TILT
 10 - 22 4 (569mm) @ 45° TILT

OPTIONAL ACCESSORIES:
 1 - BKT 5-G GALVANIZED WOOD POLE BRACKET
 2 - BR 1091-XX 3" TO 2" TERNON ADAPTER
 3 - F1 SINGLE FUSING (120, 240, 277 & 347V)
 4 - F2 DOUBLE FUSING (120, 240 & 480V)
 5 - LAMP
 6 - BRK 1091-XX 3" TO 2" TERNON ADAPTER

ACCESSORIES:
 1 - F1 SINGLE FUSING (120, 240, 277 & 347V)
 2 - F2 DOUBLE FUSING (120, 240 & 480V)
 3 - LAMP
 4 - BRK 1091-XX 3" TO 2" TERNON ADAPTER

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

GMB ENGINEERS & PLANNERS, INC.
 315 Popple & Boward, Suite 1
 Orlando, FL 32801
 Phone: 407-333-5462 Fax: 407-333-5200
 Certificate of Authorization: 0009865

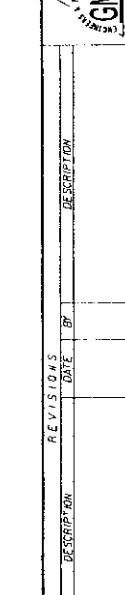
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

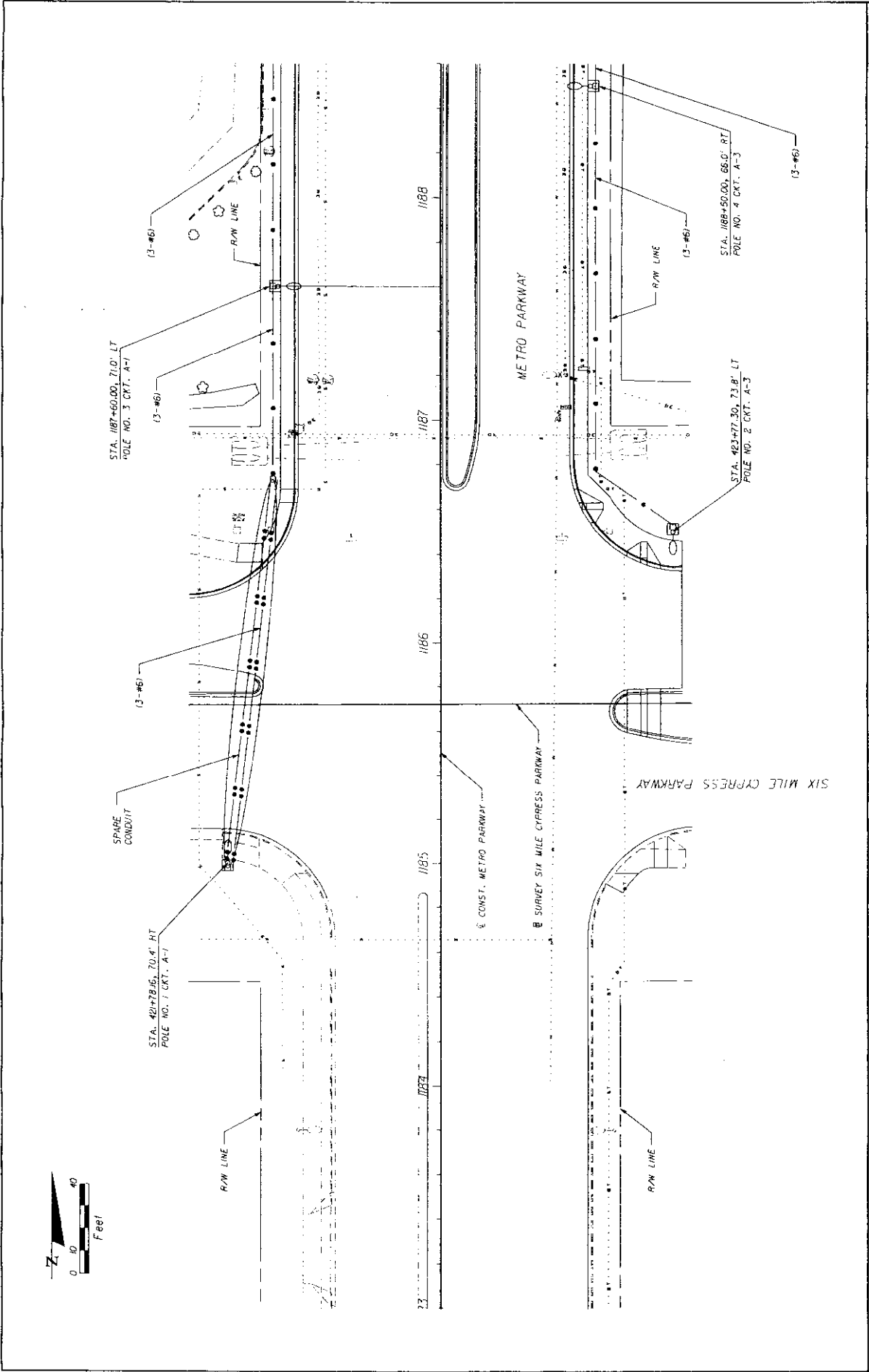
ROAD NO. SR 739 COUNTY LEE PROJECT ID 408040-1-52-01 FINANCIAL PROJECT ID

ROADWAY LIGHTING PLANS
 METRO PARKWAY
 LIGHTING FIXTURE DETAIL

SHEET NO. L-6

"A" MOUNTING PATTERN

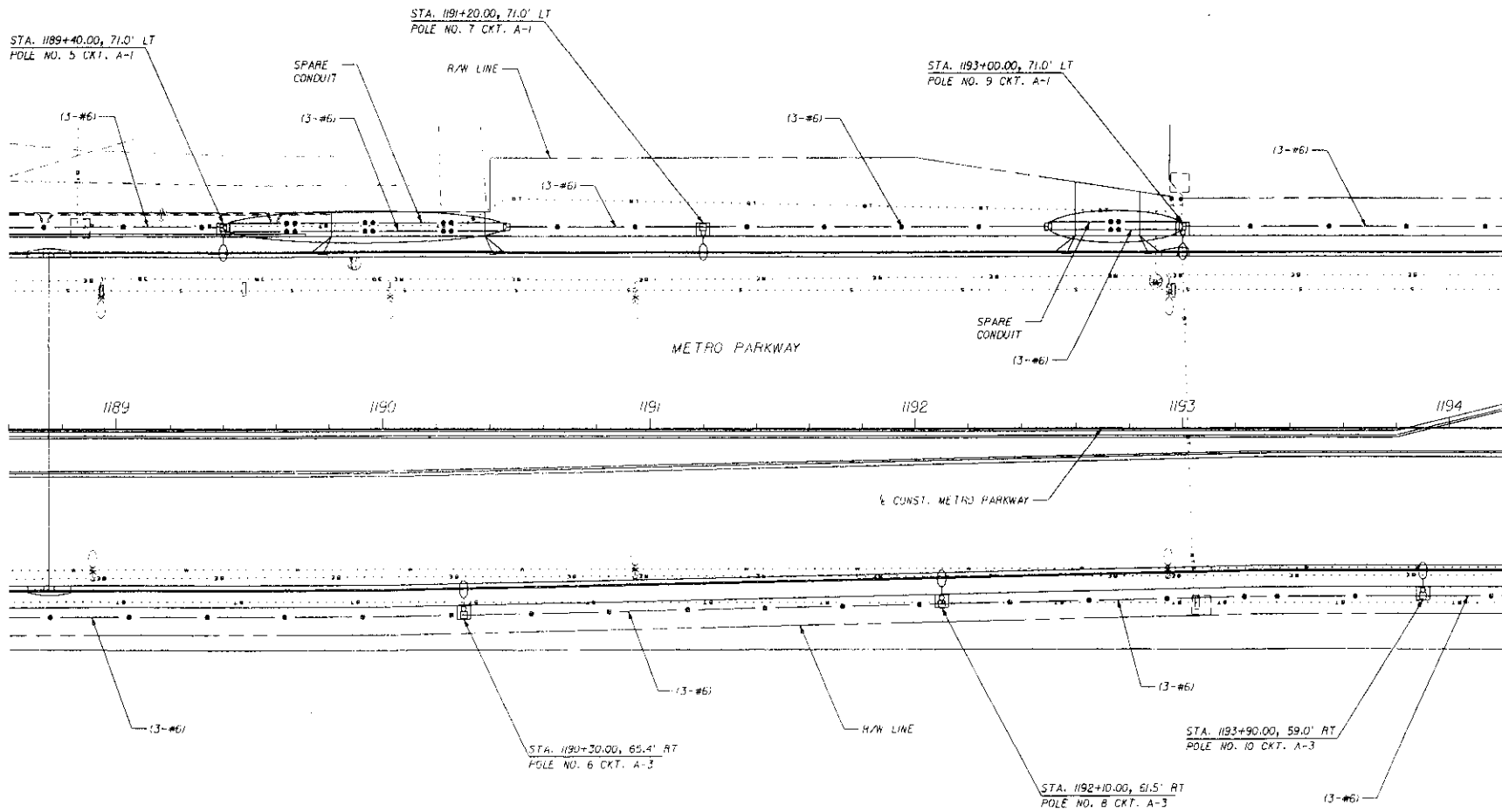




REVISIONS		DESCRIPTION		DATE		BY	

GMB ENGINEERS & PLANNERS, INC. 315 Ingalls Boulevard, Suite 110 Orlando, FL 32803 407-448-1465 Phone: 407-448-1465 Fax: 407-448-1465 Certificate of Authorization # 0008955		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 739 COUNTY LEE FINANCIAL PROJECT ID. 408040-1-52-01	
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ROADWAY LIGHTING PLANS METRO PARKWAY	SHEET NO. L-7
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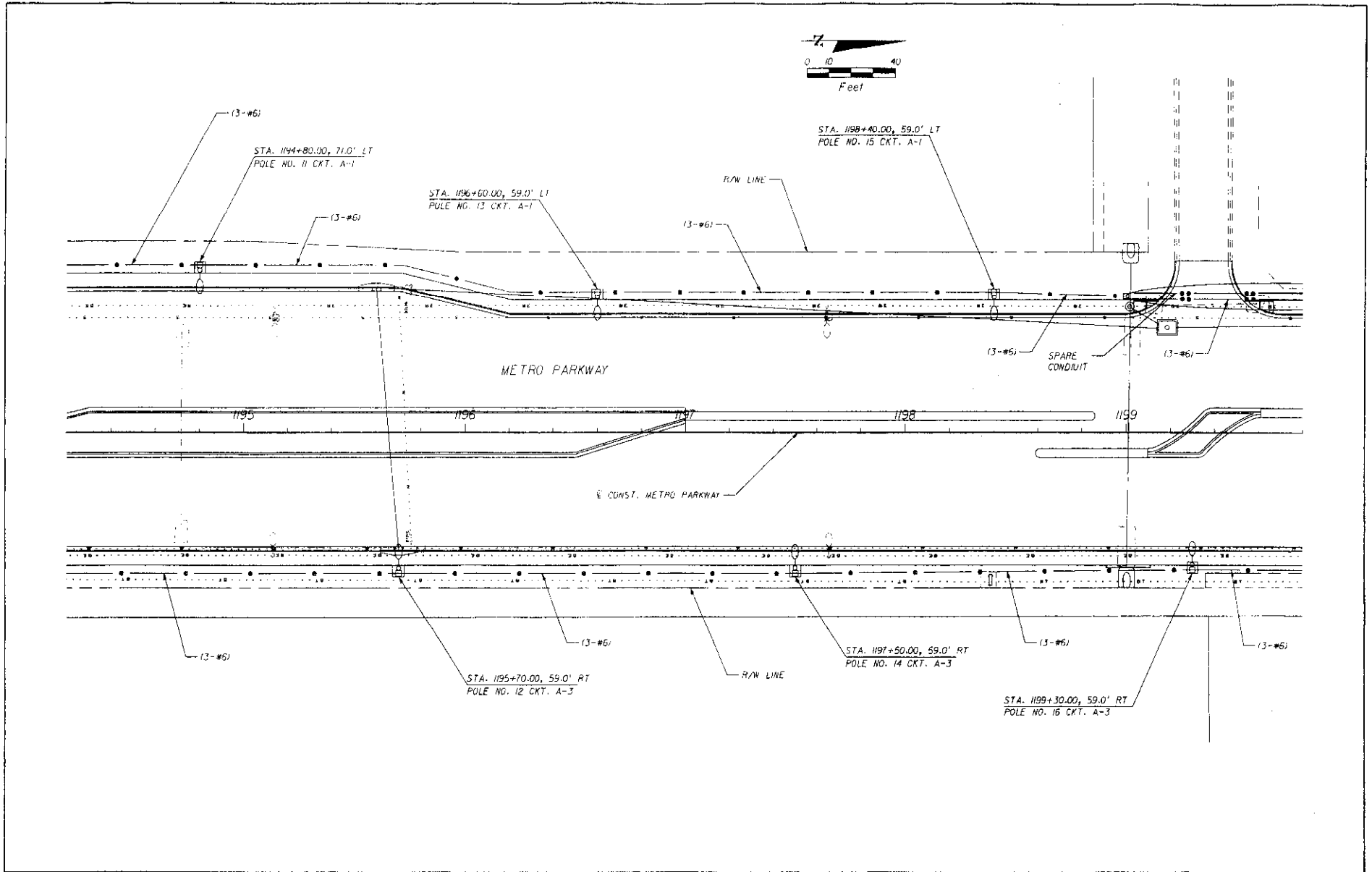
DATE		BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION


GMB Engineers & Planners, Inc.
 3751 McGuire Boulevard, Suite B
 Orlando, FL 32803
 Phone: 407-898-5424 Fax: 407-898-5475
 Andrew J. Ames, P.E. P.E.# 52570
 Certificate of Authorization # 00008955


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	408040-1-52-01

ROADWAY LIGHTING PLANS
METRO PARKWAY

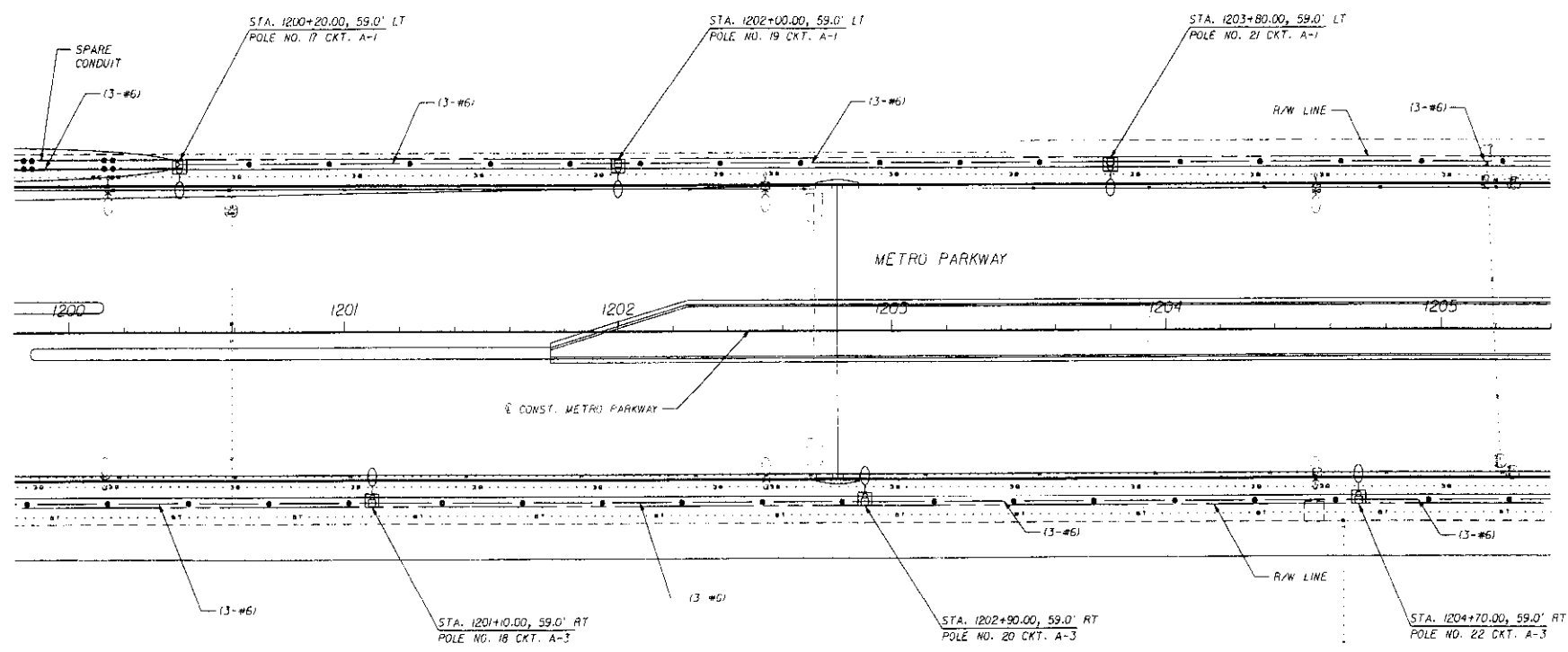
SHEET NO.
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

 <p>GMB ENGINEERS & PLANNERS, INC.</p>	<p>GMB Engineers & Planners, Inc. 375 Moquire Boulevard, Suite # Orlando, FL 32803 Phone: 407-898-5424 Fax: 407-898-5425 Andrew J. Ames, P.E. P.E.# 52510 Certificate of Authorization # 00008655</p>		
	<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p>		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 739	LEE	408040-1-52-01	

<p>ROADWAY LIGHTING PLANS METRO PARKWAY</p>		<p>SHEET NO. L-9</p>
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

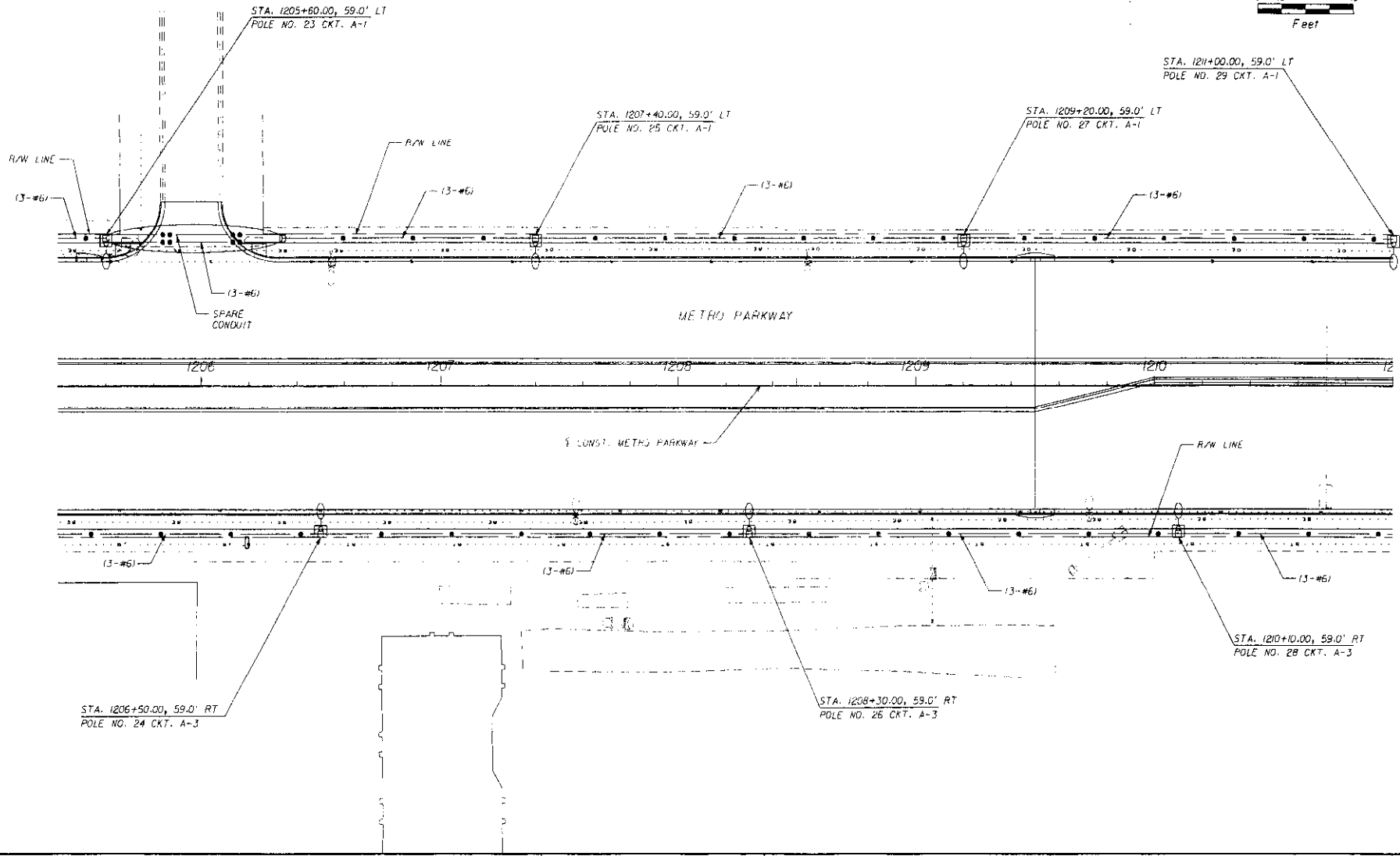


GMB Engineers & Planners, Inc.
 575 Maguire Boulevard, Suite 110
 Orlando, FL 32803
 Phone: 407-898-5424 Fax: 407-898-5425
 Andrew J. Ames, P.E. #E-152510
 Certificate of Authorization # 0000855

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	408040-1-52-01

ROADWAY LIGHTING PLANS
METRO PARKWAY

SHEET NO.
 L-10

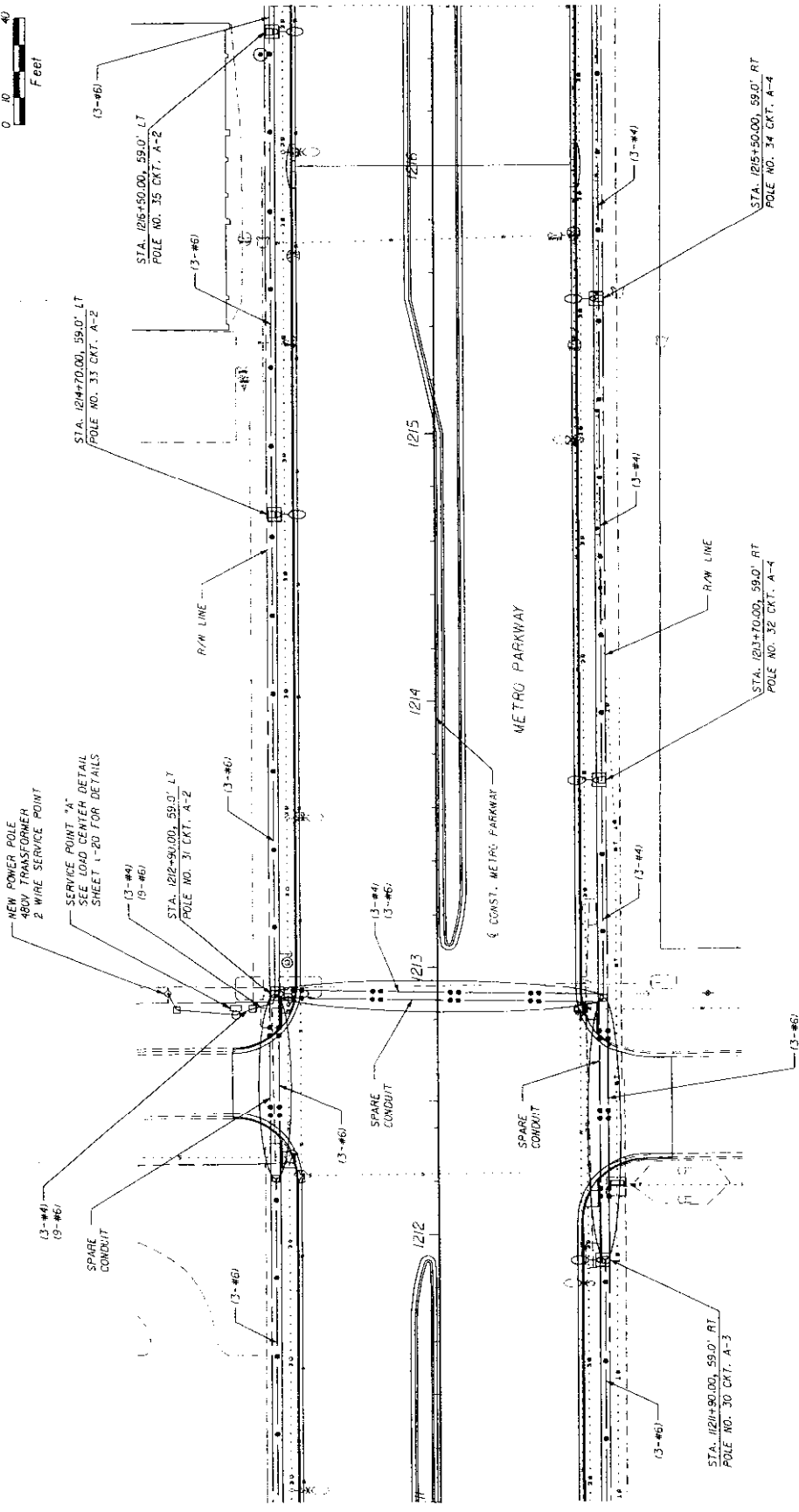


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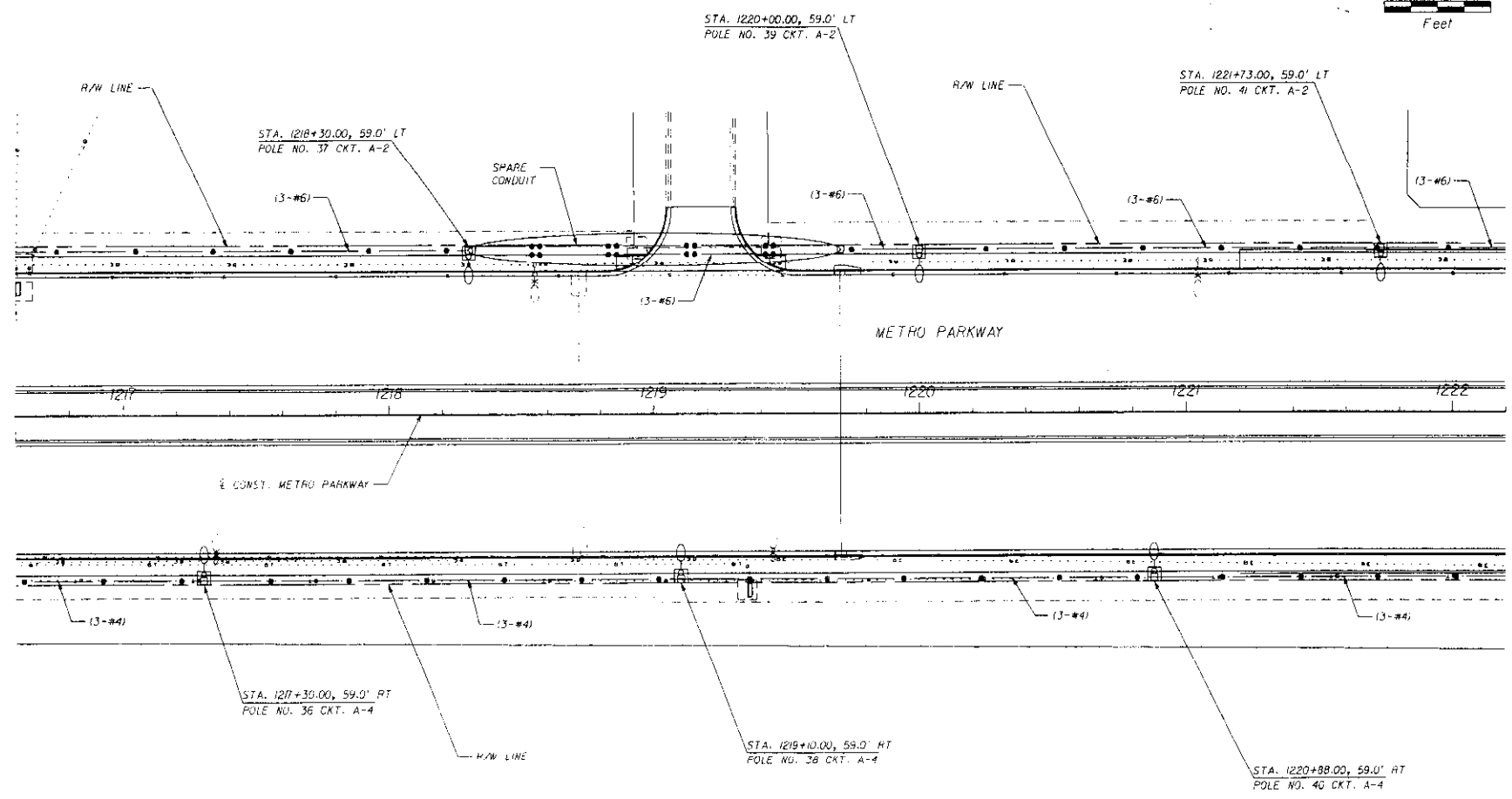
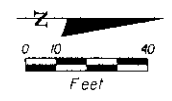
	GMB Engineers & Planners, Inc. 3751 Mosquito Boulevard, Suite B Orlando, FL 32803 Phone: 407-838-5424 Fax: 407-838-5425 Andrew J. Ames, P.E., P.E.# 52570 Certificate of Authorization # 0000855	
	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	408040-1-52-01

ROADWAY LIGHTING PLANS METRO PARKWAY	
SHEET NO.	L-II



REVISIONS		DESCRIPTION	
DATE	BY	DATE	DESCRIPTION

GMB Engineers & Planners, Inc. 375 McGuire Boulevard, Suite 1 Orlando, FL 32803 Phone: 407-888-5464 Fax: 407-888-5465 Robert J. Nease, P.E., P.L.C., S.D.B. Certificate of Authorization: 10009685		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 739 COUNTY LEE FINANCIAL PROJECT ID 408040-1-52-01	SHEET NO. L-12
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REVISIONS					
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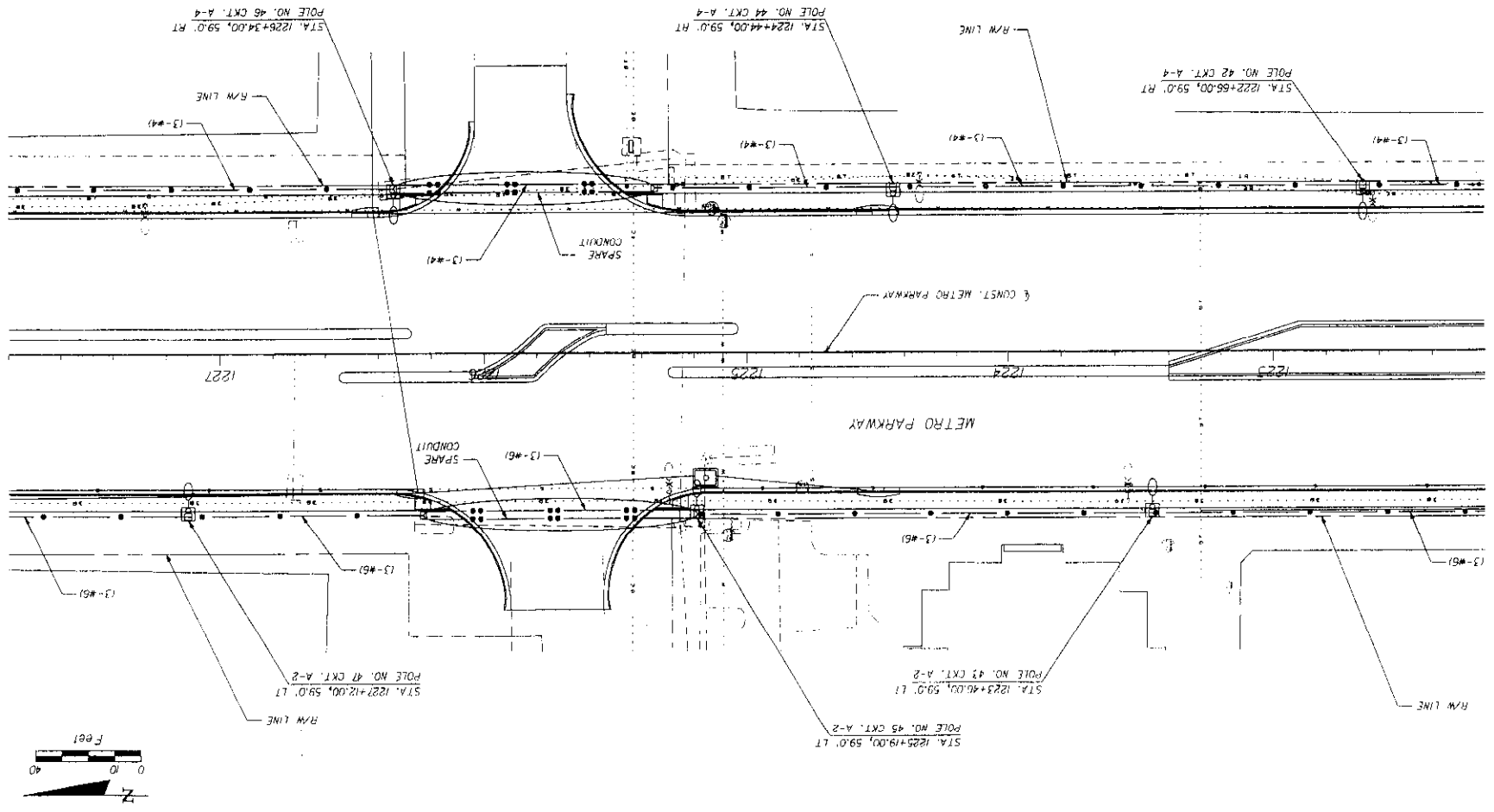

GMB Engineers & Planners, Inc.
 3151 Maquina Boulevard, Suite 111
 Orlando, FL 32803
 Phone: 407-898-5424 Fax: 407-898-5425
 Andrew J. Ames, P.E. P.E.# 52510
 Certificate of Authorization # 0000855

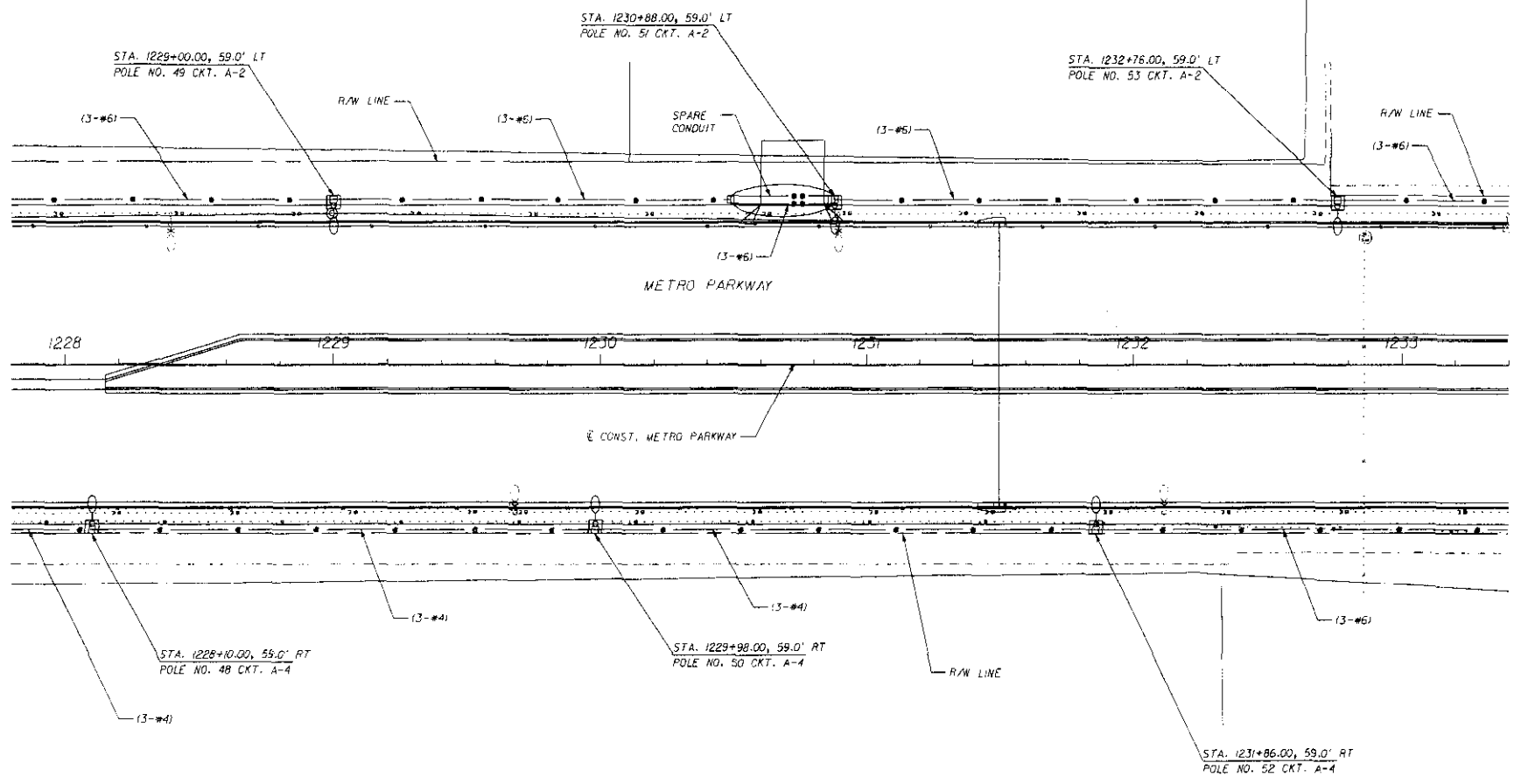
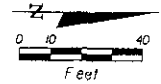
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	408040-1-52-01

ROADWAY LIGHTING PLANS
METRO PARKWAY

SHEET NO.
 L-13

SHEET NO. L-14	ROADWAY LIGHTING PLANS METRO PARKWAY	STATE OF FLORIDA	SR 739	LEE	408040-1-52-01	GMB ENGINEERS & PLANNERS, INC. 11540 Lake Boulevard, Suite 2 Orlando, FL 32803 Phone: 407-898-5424 Fax: 407-898-5425 Licenses: Professional Engineer License No. 12510 Professional Surveyor License No. 0008855	DATE	BY	DESCRIPTION	REVISIONS
		DEPARTMENT OF TRANSPORTATION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					





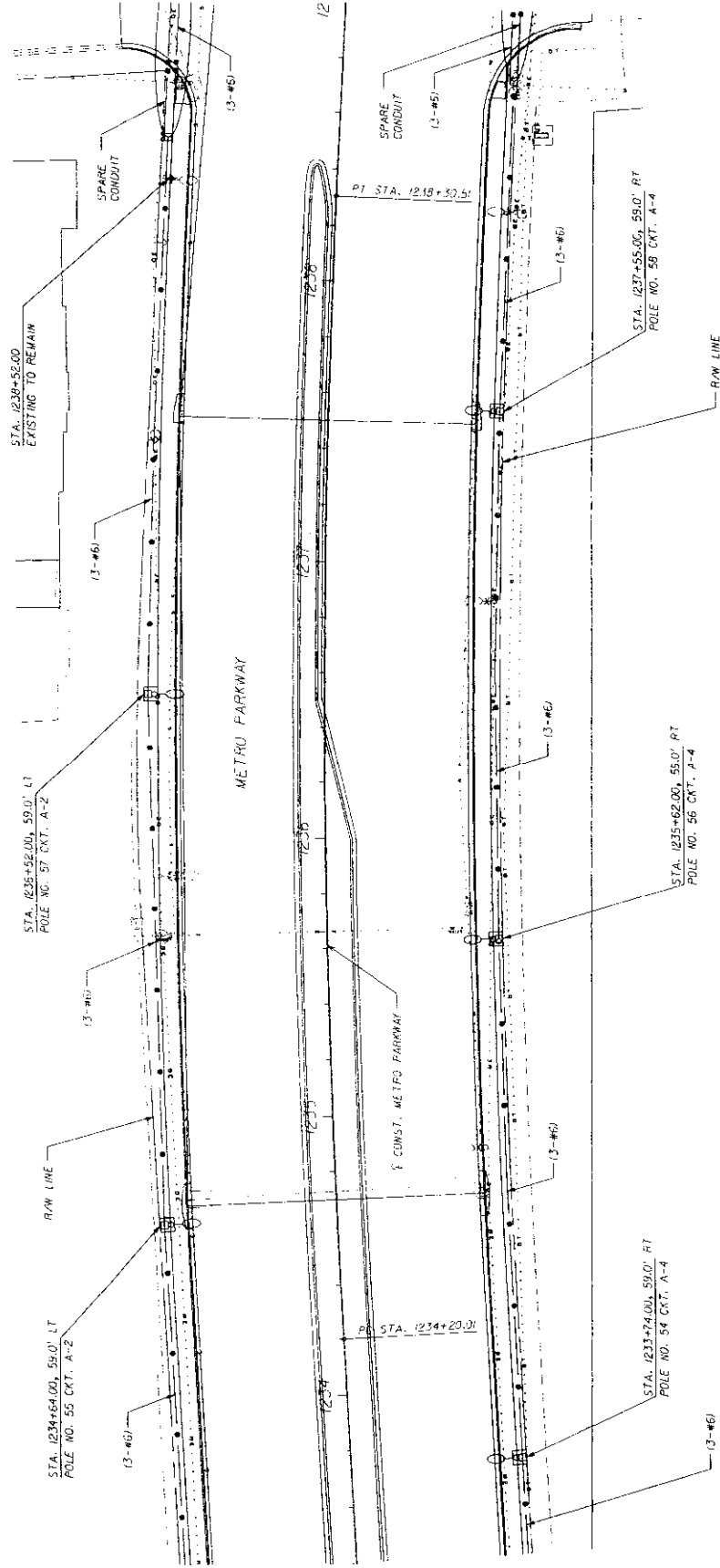
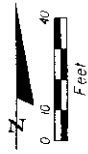
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


GMB Engineers & Planners, Inc.
 3750 Maguire Boulevard, Suite #
 Orlando, FL 32833
 Phone: 407-898-5424 Fax: 407-898-5425
 Andrew J. Ames, P.E. P.I.# 52510
 Certificate of Authorization # 00008853

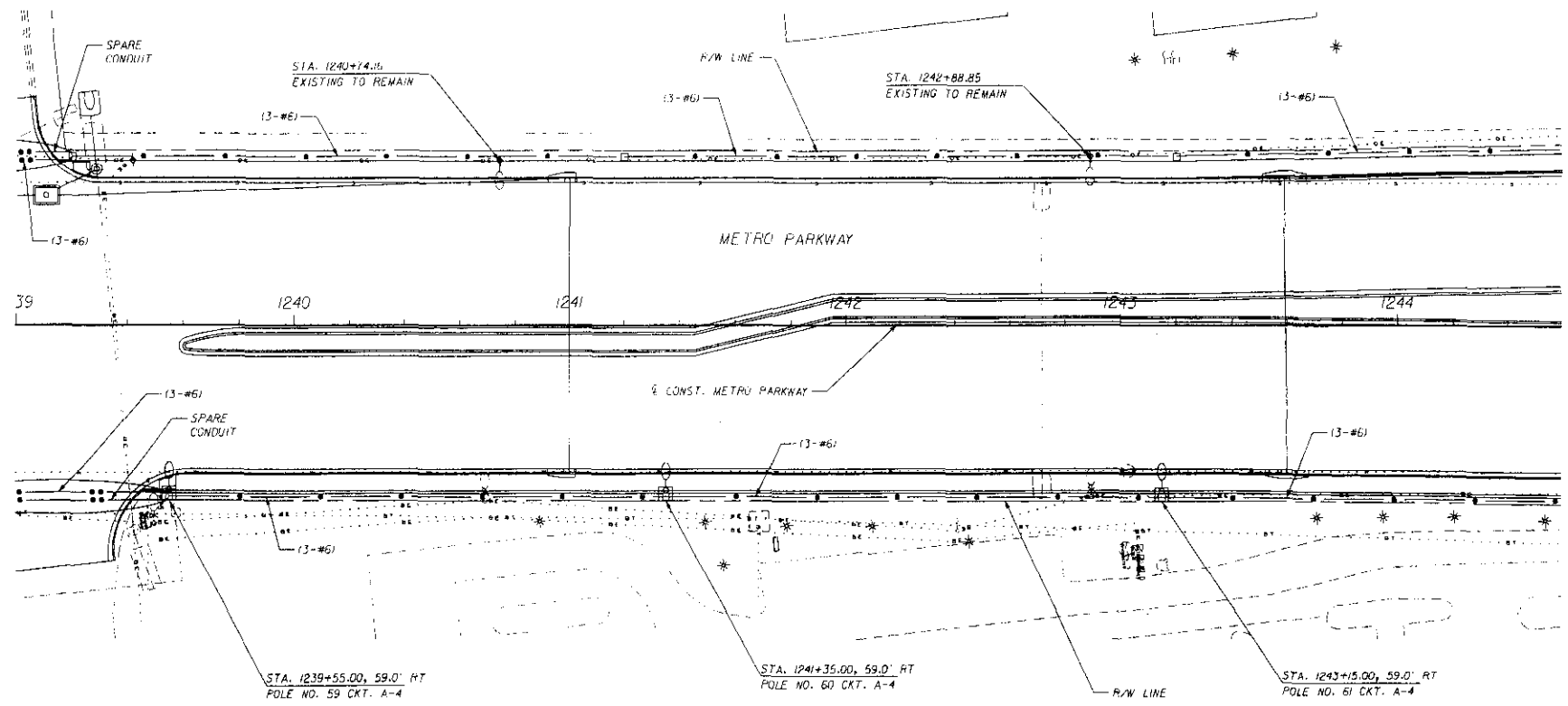
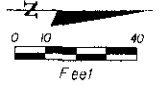
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	408040-1-52-01

ROADWAY LIGHTING PLANS
METRO PARKWAY


SHEET
 NO.
 L-15



REVISIONS		STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		ROADWAY LIGHTING PLANS		SHEET NO.	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID.	NO.
						SR 739	LEE	408040-1-52-01	L-16
		GMB ENGINEERS & PLANNERS, INC. 319 McGuire Boulevard, Suite 11 Orlando, FL 32803 Phone: 407-898-5424 Fax: 407-898-5425 Address: James P.E. 12.1.2010 Certificate of Authorization: 10000845		ROADWAY LIGHTING PLANS METRO PARKWAY					



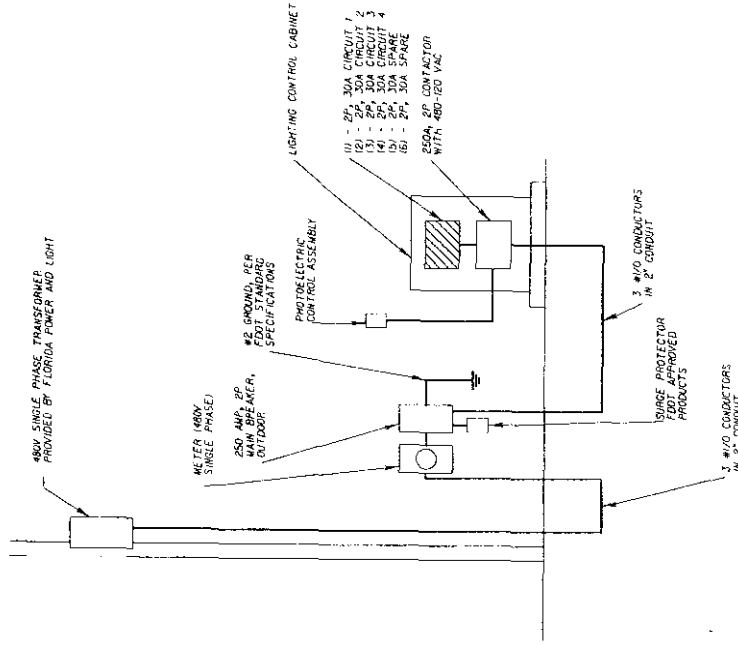
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


GMB Engineers & Planners, Inc.
 3751 Maguire Boulevard, Suite 11
 Orlando, FL 32803
 Phone: 407-898-5424 Fax: 407-898-5425
 Andrew J. Anas, P.E., P.E.# 52570
 Certificate of Authorization # 00066195

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 739	LEE	408040-1-52-01

ROADWAY LIGHTING PLANS
METRO PARKWAY

SHEET NO.
L-17



SERVICE POINT 'A'
STATION: 1212+82

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO N.E.C. AND LOCAL CODES.
2. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF SERVICE POINT FROM PLAN AND DETAIL AS DIRECTED BY PFL AND FPLA RESPECTIVELY.
3. ALL QUANTITIES FOR CONDUIT AND SERVICE CONDUIT FROM THE SERVICE POINT TO THE LIGHT CENTER SHALL BE INCLUDED UNDER P&M ITEM 75-7-11.



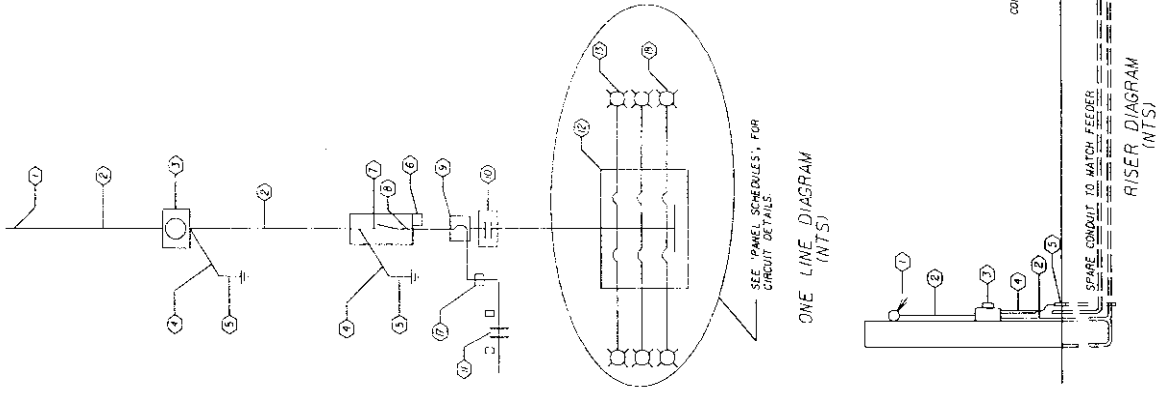
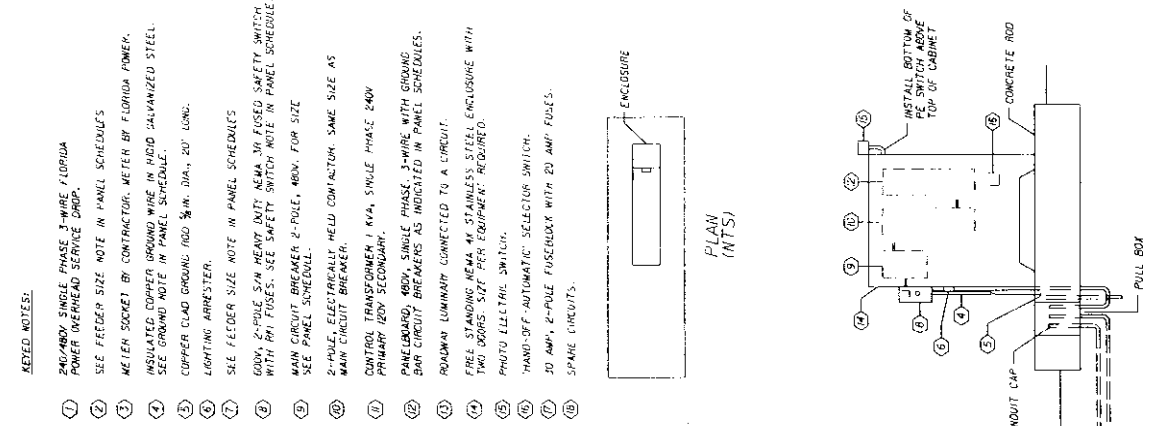
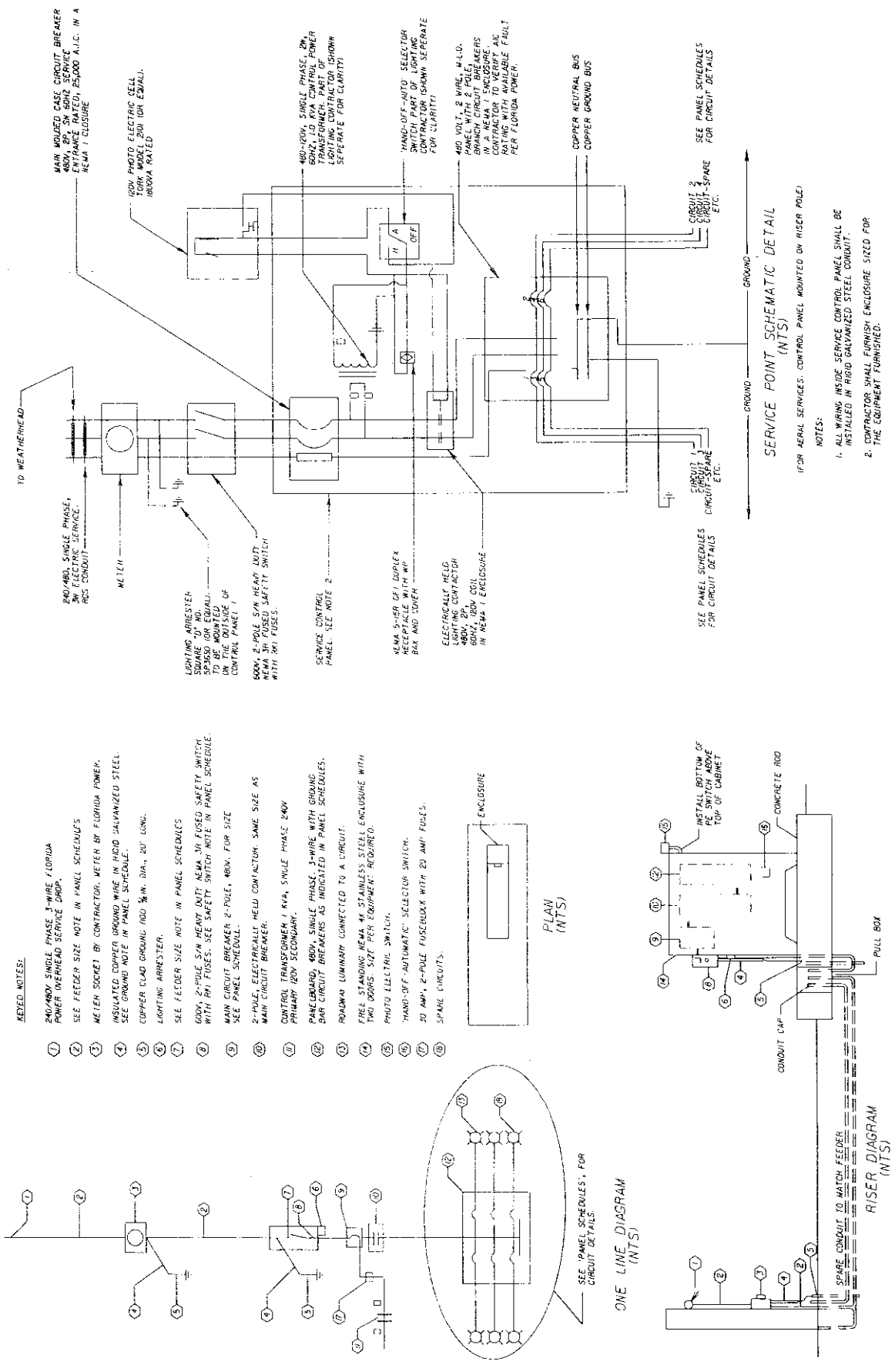
DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

GMB Engineers & Planners, Inc.
375 W. Lake Shore Blvd. Suite 1100
Orlando, FL 32803
Phone: 407-881-5424 Fax: 407-881-5425
ANSI Z39-18, 1998, P.L. 1010
Certificate of Authorization # 300885

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY PROJECT ID
SR 759 LEE 408040-1-52-01

ROADWAY LIGHTING PLANS
METRO PARKWAY
LOAD CENTER DETAIL

SHEET NO.
L-20



- KEYED NOTES:**
- 1 240/480V SINGLE PHASE 3-WIRE FLORIDA RAYBOND OVERHEAD SERVICE DROP.
 - 2 SEE FEEDER SIZE NOTE IN PANEL SCHEDULES.
 - 3 METER SOCKET BY CONTRACTOR. METER BY FLORIDA POWER.
 - 4 INSULATED COPPER GROUND WIRE IN RIGID GALVANIZED STEEL. SEE GROUND NOTE IN PANEL SCHEDULE.
 - 5 COPPER CLAD GROUND ROD 3/4" IN. DIA., 20' LONG.
 - 6 LIGHTING ARRESTER.
 - 7 SLE FEEDER SIZE NOTE IN PANEL SCHEDULES.
 - 8 600V, 2-POLE SAN HEARD JINTY NEMA 3R FUSED SAFETY SWITCH WITH 20 AMP FUSES. SEE SAFETY SWITCH NOTE IN PANEL SCHEDULE.
 - 9 MAIN CIRCUIT BREAKER 2-POLE, 400V, 400A, FOR SIZE. SEE PANEL SCHEDULE.
 - 10 2-POLE, ELECTRICALLY HELD CONTACTOR. SAME SIZE AS MAIN CIRCUIT BREAKER.
 - 11 CONTROL TRANSFORMER 1 KVA, SINGLE PHASE 240V PRIMARY 120V SECONDARY.
 - 12 PANELBOARD, 480V, SINGLE PHASE, 3-WIRE WITH GROUND. BAR CIRCUIT BREAKERS AS INDICATED IN PANEL SCHEDULES.
 - 13 ROADWAY LUMINAIR CONNECTED TO A CIRCUIT.
 - 14 FUSE STANDING MEAN BY CONTRACTOR. SEE ENCLOSURE WITH THIS DRAWING. SIZE PER EQUIPMENT REQUIRED.
 - 15 PHOTO ELECTRIC SWITCH.
 - 16 "HAND-OFF-AUTO" SELECTOR SWITCH.
 - 17 20 AMP, 2-POLE FUSEBLOCK WITH 20 AMP FUSES.
 - 18 SPARE CIRCUITS.

SEE PANEL SCHEDULES FOR CIRCUIT DETAILS.

ONE LINE DIAGRAM (INTS)

PLAN (INTS)

RISER DIAGRAM (INTS)

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. SR 739 COUNTY LEE FINANCIAL PROJECT ID. 408040-11-52-01

GMB Engineers & Planners, Inc.
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 Orlando, FL 32803
 Phone: 407-894-5464 Fax: 407-988-5465
 Andrew J. Innes, P.E., T.E.C., S.E.S.T.B.
 a certification of Accreditation # 000895

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

ROADWAY LIGHTING PLANS
METRO PARKWAY
LOAD CENTER DETAIL

SHEET NO. L-21

SERVICE POINT SCHEMATIC DETAIL (INTS)

(FOR AERIAL SERVICES. CONTROL PANEL MOUNTED ON RISER POLE)

NOTES:

1. ALL WIRING INSIDE SERVICE CONTROL PANEL SHALL BE INSTALLED IN RIGID GALVANIZED STEEL CONDUIT.
2. CONTRACTOR SHALL FURNISH ENCLOSURE SIZED FOR THE EQUIPMENT FURNISHED.

SEE PANEL SCHEDULES FOR CIRCUIT DETAILS

CIRCUIT 1
CIRCUIT 2
CIRCUIT 3
CIRCUIT 4
CIRCUIT 5
CIRCUIT 6
CIRCUIT 7
CIRCUIT 8
CIRCUIT 9
CIRCUIT 10
CIRCUIT 11
CIRCUIT 12
CIRCUIT 13
CIRCUIT 14
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