

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20030556

1. REQUESTED MOTION:

ACTION REQUESTED: Approve the Roadway Lighting System Agreement with the Florida Department of Transportation for roadway lighting on South Tamiami Trail (US 41) from Gladiolus Drive to College Parkway. Also, approve the resolution authorizing the Chairman to execute this Agreement.

WHY ACTION IS NECESSARY: Requires Board of County Commissioner approval for agreements.

WHAT ACTION ACCOMPLISHES: By agreeing to maintain the roadway lighting, Florida Department of Transportation will proceed to install the roadway lighting along this segment of South Tamiami Trail (US 41) at locations which have had a high frequency of nighttime related crashes both vehicle-vehicle and pedestrian-vehicle.

2. DEPARTMENTAL CATEGORY:
COMMISSION DISTRICT #

C9A

3. MEETING DATE:

06-10-2003

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 M. Gilbertson, P.E.
Director

7. BACKGROUND:

The Florida Department of Transportation (FDOT) has agreed to provide funds to install roadway lighting along South Tamiami Trail (US 41), from Gladiolus to College Parkway. Current FDOT practice is to have local agencies maintain roadway lighting system on State Highways on their behalf. FDOT does provide some reimbursement for the efforts of the local agencies. Funds are available.

This Agreement establishes the commitment of Lee County to serve as the maintaining local agency for these roadway lights.

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>5/14/03</i>	<i>[Signature]</i>	N/A		<i>[Signature]</i>	OA	OM	Risk	GC	<i>[Signature]</i>
<i>[Signature]</i>	<i>[Signature]</i>			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

RECEIVED BY
COUNTY ADMIN. *RK*
5-22-03
4:25
COUNTY ADMIN.
FORWARDED TO:
[Signature]

REC'D.
by CO. ATTY.
5/22/03
1300n
CO. ATTY 5/23/03
FORWARDED TO:
Budget
[Signature]

**A RESOLUTION AUTHORIZING LEE COUNTY TO
ENTER INTO A ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT
WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION
FOR SOUTH TAMIAAMI TRAIL (US 41) FROM GLADIOLUS DRIVE TO COLLEGE PARKWAY**

THIS IS A RESOLUTION to the Board of County Commissioners, Lee County, Florida, a political subdivision of the State, authorizing the execution of a Roadway Lighting System Agreement with the Florida Department of Transportation (FDOT) for South Tamiami Trail (US 41), from Gladiolus Drive to College Parkway.

WHEREAS, Lee County, Florida, has the statutory authority to enter into an Agreement with the Florida Department of transportation in accordance with Section 334.044, Florida Statutes.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS, LEE COUNTY, FLORIDA, that:

1. Roadway Lighting System Agreement for South Tamiami Trail (US 41), from Gladiolus Drive to College Parkway is hereby approved.
2. In return for the installation of the Lighting System by Florida Department of Transportation the Roadway, and as provided for in this Agreement, the County agrees to maintain the Lighting System.
3. The Chairman of, and the Clerk to the Board of Lee County Commissioners are hereby authorized to execute said Agreement.
4. The Clerk of the Circuit Court is hereby authorized and directed to transmit one (1) certified copy of this Resolution to the Florida Department of Transportation along with the executed Agreements.

DONE AND ADOPTED with a quorum present and voting on this _____ day of _____, 2003.

ATTEST: CHARLIE GREEN
CLERK OF COURTS

BOARD OF COUNTY COMMISSIONERS
OF LEE COUNTY, FLORIDA

By: _____
Deputy Clerk

By: _____
Chairman

APPROVED AS TO FORM:

By: _____
Office of the County Attorney

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Form No. 710-010-52
Utilities
Rev. 12/00

Financial Project ID: 409234-1-52-01	Federal Project ID:
Work Program Item No. (old): n/a	County/Section No: 12020
State Job No. (old): n/a	District Document No: 1

THIS AGREEMENT, entered into this ____ day of _____, year of _____, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, hereinafter referred to as the "FDOT," and Lee County, 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;

WHEREAS, the **FDOT** and the **MAINTAINING AGENCY** desire to enter into an agreement pursuant to the provisions of Rule Chapter 14-46 of the Florida Administrative Code providing for the maintenance of the Roadway Lighting System;

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

The **MAINTAINING AGENCY** shall keep records of all activities performed and costs expended pursuant to this

ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

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** 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

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

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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:

If to the **MAINTAINING AGENCY**:

Lee County Department of Transportation
Post Office Box 398
Fort Myers, FL 33902-0398

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If to the FDOT:

Florida Department of Transportation, Utility Department, Walt Childs, 801 North Broadway Avenue, Bartow, Florida 33830

- 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."

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: W. L. Childs, Jr., District Utility Administrator)

FDOT Legal Review

BY: (Signature) _____

DATE: _____

District Counsel

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: (Signature) _____

DATE: _____

(Typed Name: Michael J. Williams, P.E.)

(Typed Title: Director of Production)

FEDERAL HIGHWAY ADMINISTRATION (if applicable)

BY: _____

DATE: _____

(Typed Name: _____)

RESOLUTION
UTILITY AGREEMENT

FPN				COUNTY	S.R.#	FAP NO.
409234	1	52	01	Lee	45	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 _____, hereinafter referred to as the **UAO**, to execute and deliver to the **FDOT** the agreement identified as _____, 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: _____

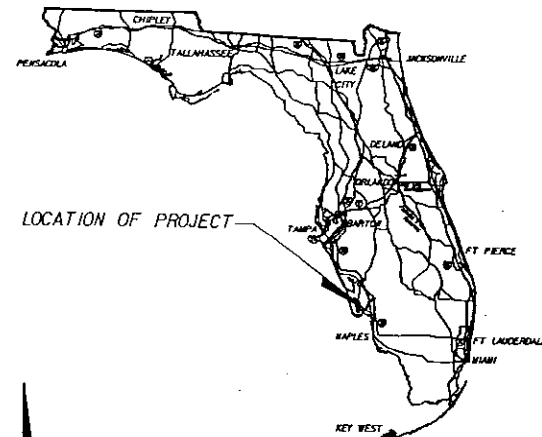
Title: _____

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 409234-1-52-01

LEE COUNTY (I2010)
STATE ROAD NO. 45 (US 41)
GLADIOLUS DRIVE (CR 865) TO
NORTH OF COLLEGE PARKWAY
LIGHTING PLANS



LOCATION OF PROJECT

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SUMMARY OF PAY ITEMS
L-3 TO L-4	TABULATION OF QUANTITIES SHEET
L-5	LIGHTING GENERAL NOTES SHEET
L-6 TO L-7	LIGHTING LEGEND AND POLE DATA SHEETS
L-8 TO L-19	LIGHTING PLAN SHEETS
L-20	SERVICE POINT DETAILS SHEET
L-21	TRAFFIC CONTROL PLAN
L-22	UTILITY ADJUSTMENT SHEET
L-23	SPECIAL FOUNDATION DETAIL SHEET
L-24	SPECIAL SLAB DETAIL SHEET

• TO BE PROVIDED BY THE DEPARTMENT

THIS COPY TO BE MARKED
AND RETURNED USING THE
FOLLOWING COLOR CODE:

- RED - To Be Removed
- BROWN - Proposed
- GREEN - To Remain

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
ROADWAY AND TRAFFIC DESIGN STANDARDS
DATED JANUARY 2000, AND STANDARDS FOR
ROAD AND BRIDGE CONSTRUCTION DATED 2000
AS AMENDED BY CONTRACT DOCUMENTS.

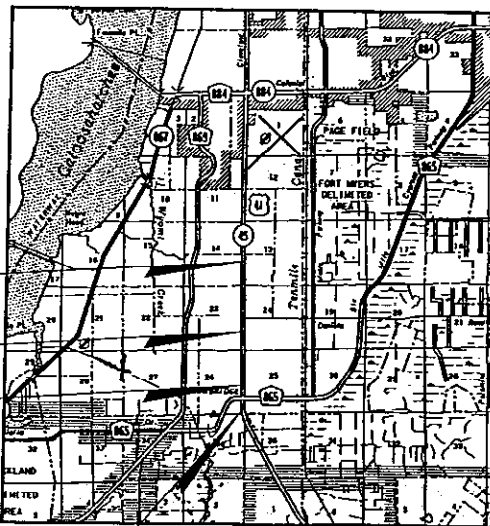
REVISIONS

END PROJECT
END LIGHTING
STA. 28+69

END EXCEPTION
STA. 69+00

BEGIN EXCEPTION
STA. 84+00

BEGIN PROJECT
BEGIN LIGHTING
STA. 96+33



PROJECT LENGTH IS BASED ON SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	-	-
BRIDGES	-	-
NET LENGTH OF PROJECT	7916	1.499
EXCEPTIONS	4500	0.852
GROSS LENGTH OF PROJECT	12416	2.352

FDOT PROJECT MANAGER: D. BRENT WIGGINS



PRELIMINARY

FEB 25 2003

SUBJECT TO CHANGE

PHASE II SUBMITTAL
FEBRUARY 25, 2003

LIGHTING SHOP DRAWINGS
TO BE SUBMITTED TO:
CHRISTOPHER A. SIMONEAU, P.E.
COMPREHENSIVE ENGINEERING SERVICES, INC.
201 SOUTH ORANGE AVENUE, SUITE 1300
ORLANDO, FLORIDA 32801



PLANS PREPARED BY
COMPREHENSIVE ENGINEERING SERVICES, INC.
201 SOUTH ORANGE AVENUE, SUITE 1300
ORLANDO, FLORIDA 32801
CERTIFICATE OF AUTHORIZATION NO. 7862
(407) 423-1600
WWW.CESCVIL.COM
VENDOR No. 59-3472222
CONTRACT NO. C-7504

ATTENTION IS DIRECTED TO THE FACT THAT
THESE PLANS MAY HAVE BEEN ALTERED IN
SIZE BY REPRODUCTION. THIS MUST BE
CONSIDERED WHEN OBTAINING SCALED DATA.

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

LIGHTING PLANS
ENGINEER OF RECORD: Christopher A. Simoneau, P.E.
DATE: FEB 25 2003
P.E. NO.: 4642

RECEIVED
FEB 26 2003
FISCAL YEAR
TRAFFIC OPERATIONS

04 SHEET NO. L-1

Lee Co. 201-11111111 Richard Ege

158x42x53
158x42x53

TO BE PROVIDED WITH NEXT SUBMITTAL


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


CES Comprehensive Engineering Services, Inc.
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
 Certificate of Authorization Number: 7802
 Christopher A. Simonson, P.E., License No. 44142

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
45	LEE	409234-1-52-01

SUMMARY OF PAY ITEMS

SHEET NO.
L-2

DATE		BY	DESCRIPTION	REVISORS	DATE	BY	DESCRIPTION
 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417 Christopher A. Shonkoff, P.E., License No. 44412 Certificate of Authorization Number: 7923							
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FURNACE PROJECT ID				409234-1-52-01			
ROAD NO.				45			
COUNTY				LEE			

TABULATION OF QUANTITIES

SHEET NO. L-3

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS										TOTAL THIS SHEET	TOTAL THIS SHEET	TOTAL THIS SHEET	GRAND TOTAL	REF. SHEET		
			1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11							
43-1	MAINTENANCE OF TRAFFIC	LS																	
42-60	WORK ZONE SIGNS	LS																	
42-74-1	BARICADE (TEMPORARY) TYPES 1, 4, 4-P & URBAN	EO																	
42-77	HIGH INTENSITY FLASHING LIGHTS (TEMPORARY-TYPE B)	EO																	
400-1-15	CLASS 1 CONCRETE (MISCELLANEOUS)	CU																	
75-1-13	CONDUCTOR FURNISH & INSTALL (INSULATED NO. 6)	LF																	
75-1-14	CONDUCTOR FURNISH & INSTALL (INSULATED NO. 4)	LF																	
75-1-15	CONDUCTOR FURNISH & INSTALL (INSULATED NO. 2)	LF																	
75-1-16	CONDUCTOR FURNISH & INSTALL (INSULATED NO.1)	LF																	
75-2-55	CONDUIT FURNISH & INSTALL - UNDERGROUND (PVC SCH 40 1/2")	LF																	
75-2-56	CONDUIT FURNISH & INSTALL - UNDERGROUND (PVC SCH 40 1 1/2")	LF																	
75-2-57	CONDUIT FURNISH & INSTALL - JACKET UNDERGROUND (RIGID GALV. STEEL) (2")	LF																	
75-4-1	PULL BOX FURNISH & INSTALL (BROOKFIELD)	EA																	
75-50-1	POLE DABLE DISTRIBUTION SYSTEM (CONVENTIONAL)	EA																	
75-524-04	LIGHTING POLE COMPLETE (FURNISH, STANDARD & INSTALL) (45' TALL)	EA																	
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	LS																	

MADE LEFT SOURCE FROM CHABOT TO A SERVICE POLE

- PAY ITEM NOTES
- ITEMS 75-2-16, 75-2-236 and 75-2-1336: INCLUDE CONDUIT, ELBOWS, SWEETS, CONNECTING HARDWARE, PULL CONDS, TRENCHING AND BACKFILL AS INDICATED IN THE PLANS AND THE ROADWAY AND TRAFFIC DESIGN STANDARDS. THE COST OF CONDUIT SHALL ALSO INCLUDE RESTORING OUT PAVEMENT (ASPHALT AND CONCRETE), SIDEWALK, SOO, ETC., TO ITS ORIGINAL CONDITION.
 - ITEM 75-2-136: THE CONTRACTOR SHALL HAVE THE OPTION OF USING THE DIRECTIONAL BORE METHOD. THE QUANTITY IS BASED ON THE LENGTH OF CONDUIT RUN FROM PULL BOX TO PULL BOX FOR ALL SECTIONS SHOWN AS JACKET UNDERGROUND.
 - ITEM 75-524-04: ALL EXCESS DIRT AND DEBRIS EXCAVATED FROM POLE FOUNDATION SHALL BE REMOVED DAILY TO AREAS APPROVED BY THE ENGINEER OR OFF JOB SITE TO AREAS PROVIDED BY THE CONTRACTOR.

TABULATION OF QUANTITIES

TABULATION OF QUANTITIES

ITEM NO.	DESCRIPTION	SHEET NUMBERS														UNIT
		PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
101-4	RAILWAY															
102-1	INTERFERENCE OF TRAFFIC															
102-20	RAIL ZONE SIGNS															
102-74-1	BRANCHES (TEMPORARY) TYPES 1, 11, 111, 1111 & DRAWN															
102-74-1	BRANCHES (TEMPORARY) TYPES 1, 11, 111, 1111 & DRAWN															
102-77	MINI INTERSITY FLASHING LIGHTS (TEMPORARY-TYPE B)															
100-1-5	CLASS 1 CONCRETE MISCELLANEOUS															
715-1-43	CONCRECTION REINFORC & INSTALLY (INSULATED) NO. 3															
715-1-44	CONCRECTION REINFORC & INSTALLY (INSULATED) NO. 4															
715-1-45	CONCRECTION REINFORC & INSTALLY (INSULATED) NO. 2															
715-1-46	CONCRECTION REINFORC & INSTALLY (INSULATED) NO. 1															
715-2-25	CONCRECTION REINFORC & INSTALLY - UNDERGROUND PVC SCH 40 1/2"															
715-2-26	CONCRECTION REINFORC & INSTALLY - UNDERGROUND PVC SCH 40 1 1/2"															
715-2-435	CONCRECTION REINFORC & INSTALLY - UNDERGROUND UREAD GALV. STEEL 12"															
715-4-1	FINAL BOX REINFORC & INSTALLY (PROPOSED)															
715-500-1	FINAL CABLE DISTRIBUTION SYSTEM (PROPOSED)															
715-624-104	LEADING PVC COMPLETE WITH REBAR, STAMPED REINFORC & INSTALLY (PROPOSED)															
559-25	FINAL CONTRACT AMOUNT DO NOT BRN															

DATE		REVISIONS		DESCRIPTION	BY	DATE
<div style="display: flex; justify-content: space-between;"> <div> <p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT NO. 409234-1-52-01</p> </div> <div> <p>ROAD NO. 45 COUNTY LEE</p> </div> <div> <p>201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417 Office of Authorization Number: 7932 Christopher A. Simonow, P.E., License No. 44142</p> </div> </div>						
<div style="display: flex; justify-content: space-between;"> <div> <p>SHEET NO. L-4</p> </div> <div> <p>TABULATION OF QUANTITIES</p> </div> <div> <p>Corporative Engineering Services, Inc.</p> </div> </div>						

POLE DATA

LEGEND

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	M.H.	POLE SETBACK AND NOTES	PAY ITEM	FINAL
00		95+53 LI	5	400	45	12.5' BEHIND FACE OF CURB	75-624-404	
01		95+56 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
02		97+55 LI	5	400	45	10.5' BEHIND FACE OF CURB	75-624-404	
03		97+51 RI	5	400	45	12.5' BEHIND FACE OF CURB	75-624-404	
04		99+50 LI	5	400	45	10.5' BEHIND FACE OF CURB	75-624-404	
05		99+47 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
06		101+69 LI	5	400	45	12.5' BEHIND FACE OF CURB	75-624-404	
07		101+62 RI	5	400	45	12.5' BEHIND FACE OF CURB	75-624-404	
08		103+88 LI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
09		103+87 RI	5	400	45	14' BEHIND FACE OF CURB	75-624-404	
10		106+28 LI	5	400	45	7' BEHIND FACE OF CURB	75-624-404	
11		106+26 RI	5	400	45	12' BEHIND FACE OF CURB	75-624-404	
12		107+93 LI	5	400	45	4' BEHIND FACE OF CURB	75-624-404	
13		107+94 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
14		110+08 LI	5	400	45	4' BEHIND FACE OF CURB	75-624-404	
15		110+07 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
16		111+99 LI	5	400	45	10.5' BEHIND FACE OF CURB	75-624-404	
17		111+97 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
18		113+87 LI	5	400	45	10.5' BEHIND FACE OF CURB	75-624-404	
19		113+87 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
200		159+72 LI	5	400	45	4' BEHIND FACE OF CURB	75-624-404	
201		159+68 RI	5	400	45	13' BEHIND FACE OF CURB	75-624-404	
202		161+87 LI	5	400	45	4' BEHIND FACE OF CURB	75-624-404	
203		161+83 RI	5	400	45	13.5' BEHIND FACE OF CURB	75-624-404	
204		163+87 LI	5	400	45	14' FROM EOT	75-624-404	
205		163+79 RI	5	400	45	12' BEHIND FACE OF CURB	75-624-404	
206		166+04 LI	5	400	45	14' FROM EOT	75-624-404	
207		166+00 RI	5	400	45	14' FROM EOT	75-624-404	
208		168+22 LI	5	400	45	14' FROM EOT	75-624-404	
209		168+19 RI	5	400	45	14' FROM EOT	75-624-404	
210		170+43 LI	5	400	45	14' FROM EOT	75-624-404	
211		170+40 RI	5	400	45	14' FROM EOT	75-624-404	
212		171+07 LI	5	400	45	63' FROM EOP SR 45	75-624-404	
213		171+10 RI	5	400	45	69' FROM EOP SR 45	75-624-404	
214		172+68 LI	5	400	45	69' FROM EOP SR 45	75-624-404	
215		172+75 RI	5	400	45	71' FROM EOP SR 45	75-624-404	
216		173+00 LI	5	400	45	14' FROM EOT	75-624-404	
217		172+98 RI	5	400	45	14' FROM EOT	75-624-404	
218		175+30 LI	5	400	45	14' FROM EOT	75-624-404	
219		175+28 RI	5	400	45	14' FROM EOT	75-624-404	
220		177+60 LI	5	400	45	14' FROM EOT	75-624-404	
221		177+59 RI	5	400	45	14' FROM EOT	75-624-404	
222		179+90 LI	5	400	45	14' FROM EOT	75-624-404	
223		179+89 RI	5	400	45	20' FROM EOT	75-624-404	
224		182+30 LI	5	400	45	20' FROM EOT	75-624-404	
225		182+27 RI	5	400	45	14' FROM EOT	75-624-404	
226		184+68 LI	5	400	45	20' FROM EOT	75-624-404	
227		184+65 RI	5	400	45	14' FROM EOT	75-624-404	
228		186+18 LI	5	400	45	14' FROM EOT	75-624-404	
229		186+16 RI	5	400	45	20' FROM EOT	75-624-404	

EOT= Edge of Travel, EOP= EDGE OF PAVEMENT

SYMBOLS



DESCRIPTION

400M High Pressure Sodium luminaire. Designed for full cutoff Type III distribution. Internal regulator type ballast to be wired for 480 Volt operation. Single Arm (15') aluminum pole (mounting height 45'). Luminaire to be equivalent to GE Photometric Curve *002.

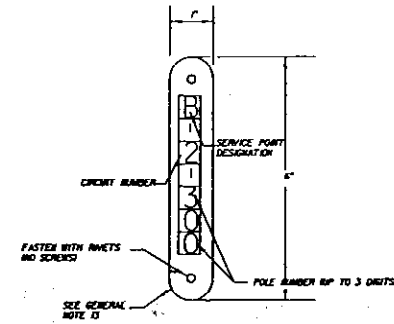
Existing luminaire to be removed

2" PVC Schedule 40 conduit (with pull strings) underground. Includes conductors as shown in the plans and/or Design Standards. Run 1 No. 6 copper bond conductor (THW Green insulation) inside conduit with other conductors.

2" PVC Schedule 40 conduit (with pull strings) underpavement. Includes conductors as shown in the plans and/or Design Standards. Run 1 No. 6 copper bond conductor (THW Green insulation) inside conduit with other conductors.

2" RGS conduit (with pull strings) jacked underpavement for directional bore. Includes conductors as shown in the plans and/or Design Standards. Run 1 No. 6 copper bond conductor (THW Green insulation) inside conduit with other conductors.

Pull box. For specifications see Section 635 of Standard Specifications For Road And Bridge Construction. Include 20' of ground rod at each pull box location.



POLE IDENTIFICATION TAG DETAIL

N.T.S.

CONVENTIONAL LIGHTING DESIGN CRITERIA

Average Initial Intensity 1.5 ffc (MIN)
 Uniformity Ratio Avg./Min. 4:1 Or Less
 Max./Min. 10:1 Or Less
 Wind Speed 100 MPH (Lee County)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES Comprehensive Engineering Services, Inc.
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
 Certificate of Authorization Number: 7862

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
45	LEE	400234-1-52-01

LIGHTING LEGEND AND POLE DATA

SHEET NO.
L-6

POLE DATA

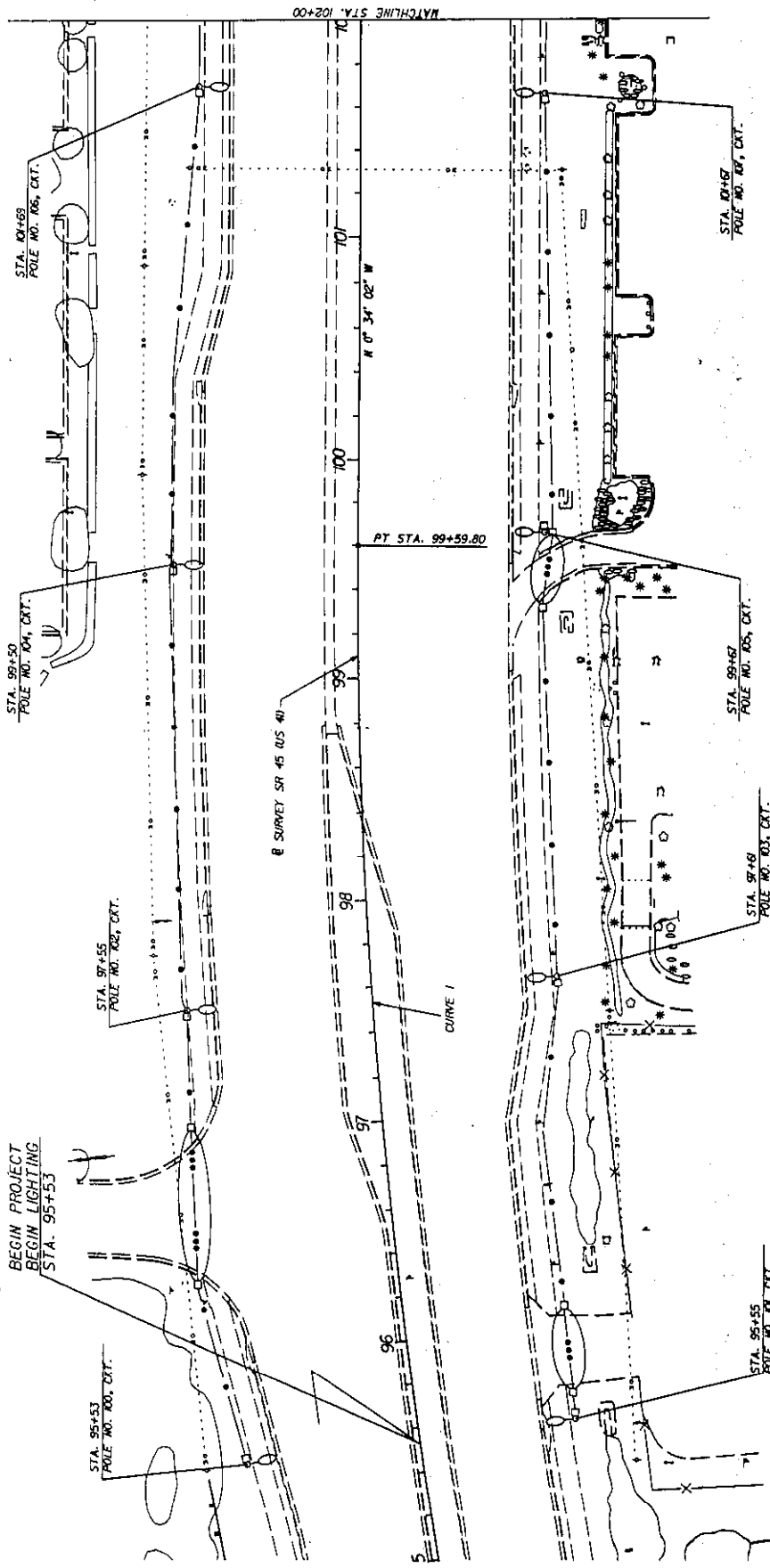
POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	M.H.	POLE SETBACK AND NOTES	PRI ITEM	FBIAL
220		89H U	5	400	45	20' FROM EOT	75-824-404	
231		89M9 RI	5	400	45	20' FROM EOT	75-824-404	
232		89N1 U	5	400	45	20' FROM EOT	75-824-404	
233		89Z7 RI	5	400	45	M FROM EOT	75-824-404	
234		93H55 U	5	400	45	M FROM EOT	75-824-404	
235		93H53 RI	5	400	45	20' FROM EOT	75-824-404	
236		95H9 U	5	400	45	20' FROM EOT	75-824-404	
237		95H5 RI	5	400	45	M FROM EOT	75-824-404	
238		99H37 U	5	400	45	M FROM EOT	75-824-404	
239		99H35 RI	5	400	45	20' FROM EOT	75-824-404	
240		200H4 U	5	400	45	M FROM EOT	75-824-404	
241		200H1 RI	5	400	45	M FROM EOT	75-824-404	
242		203H U	5	400	45	M FROM EOT	75-824-404	
243		203H0 RI	5	400	45	M FROM EOT	75-824-404	
244		205H29 U	5	400	45	M FROM EOT	75-824-404	
245		205H0 RI	5	400	45	M FROM EOT	75-824-404	
246		207H9 U	5	400	45	M FROM EOT	75-824-404	
247		207H8 RI	5	400	45	M FROM EOT	75-824-404	
248		207H1 U	5	400	45	M FROM EOT	75-824-404	
249		207H8 RI	5	400	45	M FROM EOT	75-824-404	
250		22H2 U	5	400	45	M FROM EOT	75-824-404	
251		22H2 RI	5	400	45	M FROM EOT	75-824-404	
252		26H4 U	5	400	45	M FROM EOT	75-824-404	
253		24H8 RI	5	400	45	M FROM EOT	75-824-404	
254		24H0 U	5	400	45	M FROM EOT	75-824-404	
255		24H8 RI	5	400	45	M FROM EOT	75-824-404	
256		29H8 U	5	400	45	M FROM EOT	75-824-404	
257		29H5 RI	5	400	45	M FROM EOT	75-824-404	

CES Comprehensive Engineering Services, Inc.
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
 Certificate of Authorization Number: 7802

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

ROAD NO.	45
COUNTY	LEE
DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID	409234-1-52-01



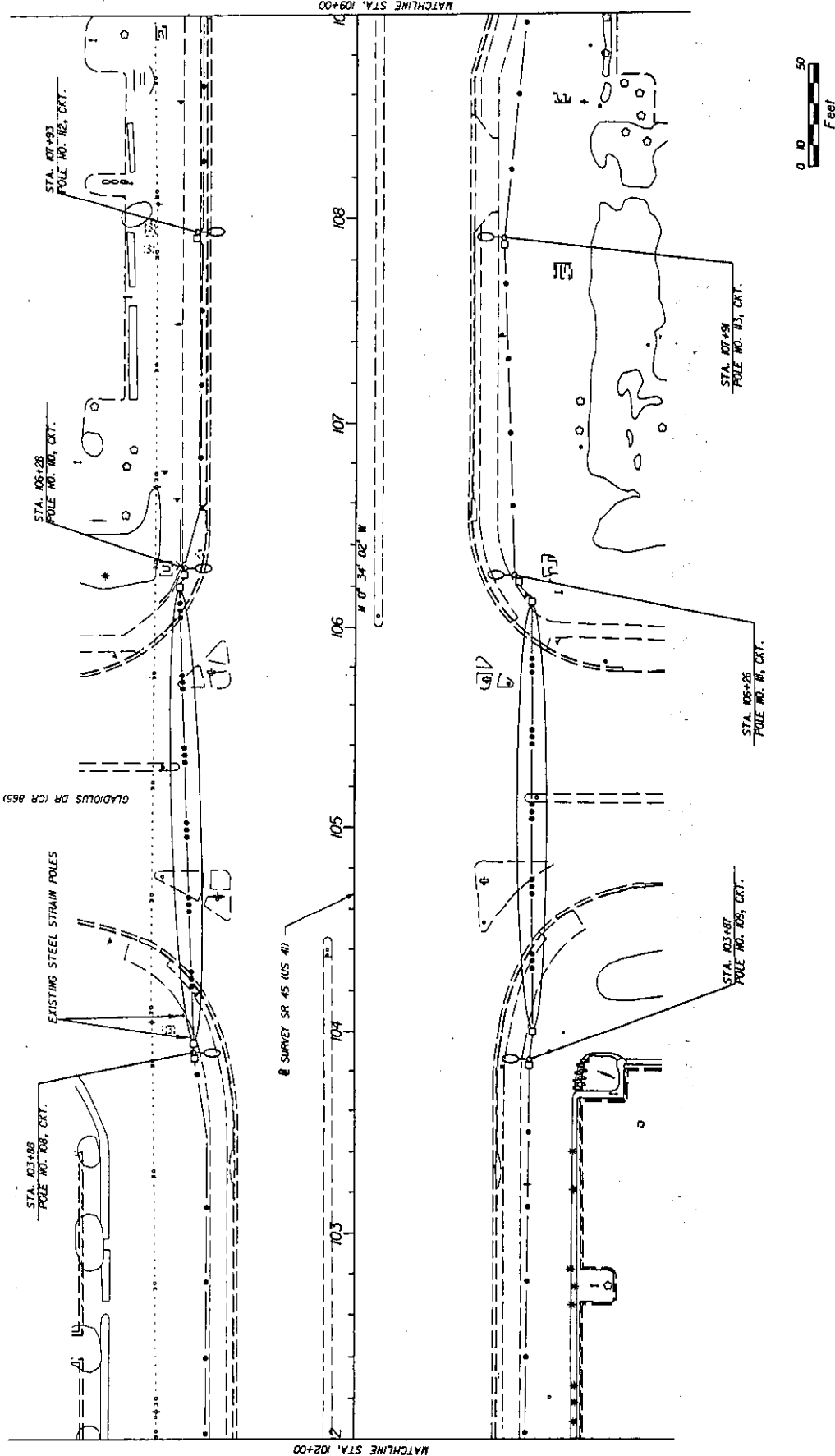
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 PI STA. = 92+11.60
 Delta = 31° 01' 46" (RT)
 T = 768.86
 L = 1533.06
 R = 2,834.48
 PC STA. = 84+24.74
 PT STA. = 99+55.80

REVISIONS		REVISOR		DATE		DESCRIPTION	
NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COURT	FINANCIAL PROJECT ID	
45	LEE	409234-1-52-01	

Comprehensive Engineering Solutions, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417 Certificate of Authorization Number: 7862 <small>Publication & Construction © C. E. Evans, Inc. 1999</small>		SHEET NO. L-8
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LIGHTING PLAN



SHEET NO. L-9

LIGHTING PLAN

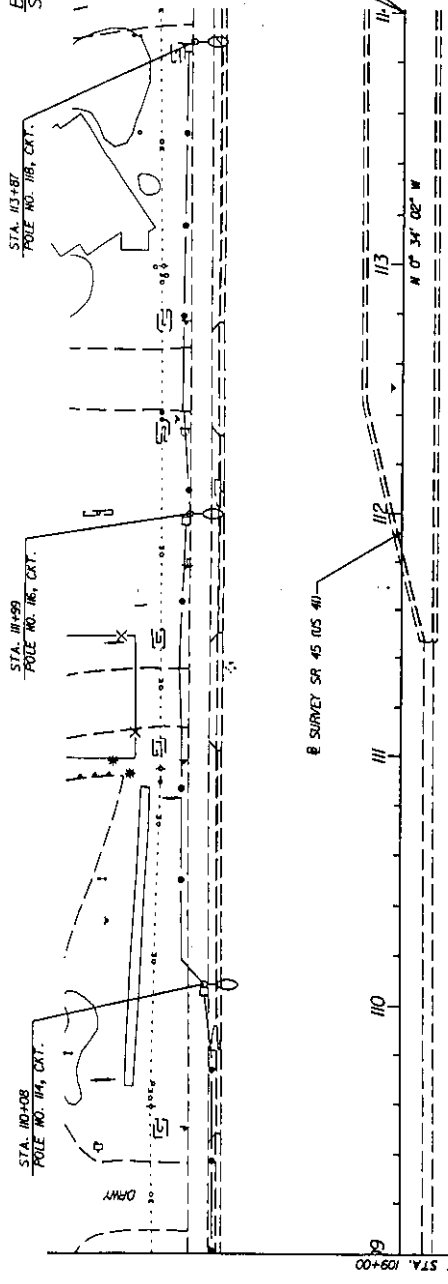
STATES OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY PROJECT ID

CES Comprehensive Services, Inc.
201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
Certificate of Authorization Number: 7802

DATE	BY	DESCRIPTION

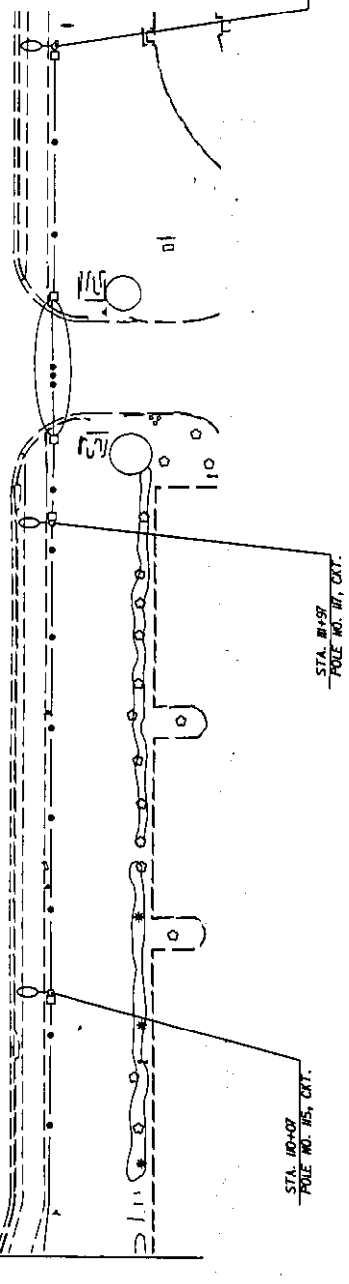


BEGIN EXCEPTION
STA. 114+00



8 SURVEY SR 45 (OS 41)

MATCHLINE STA. 109+00



STA. 113+87
POLE NO. 15, CRT.

STA. 114+99
POLE NO. 16, CRT.

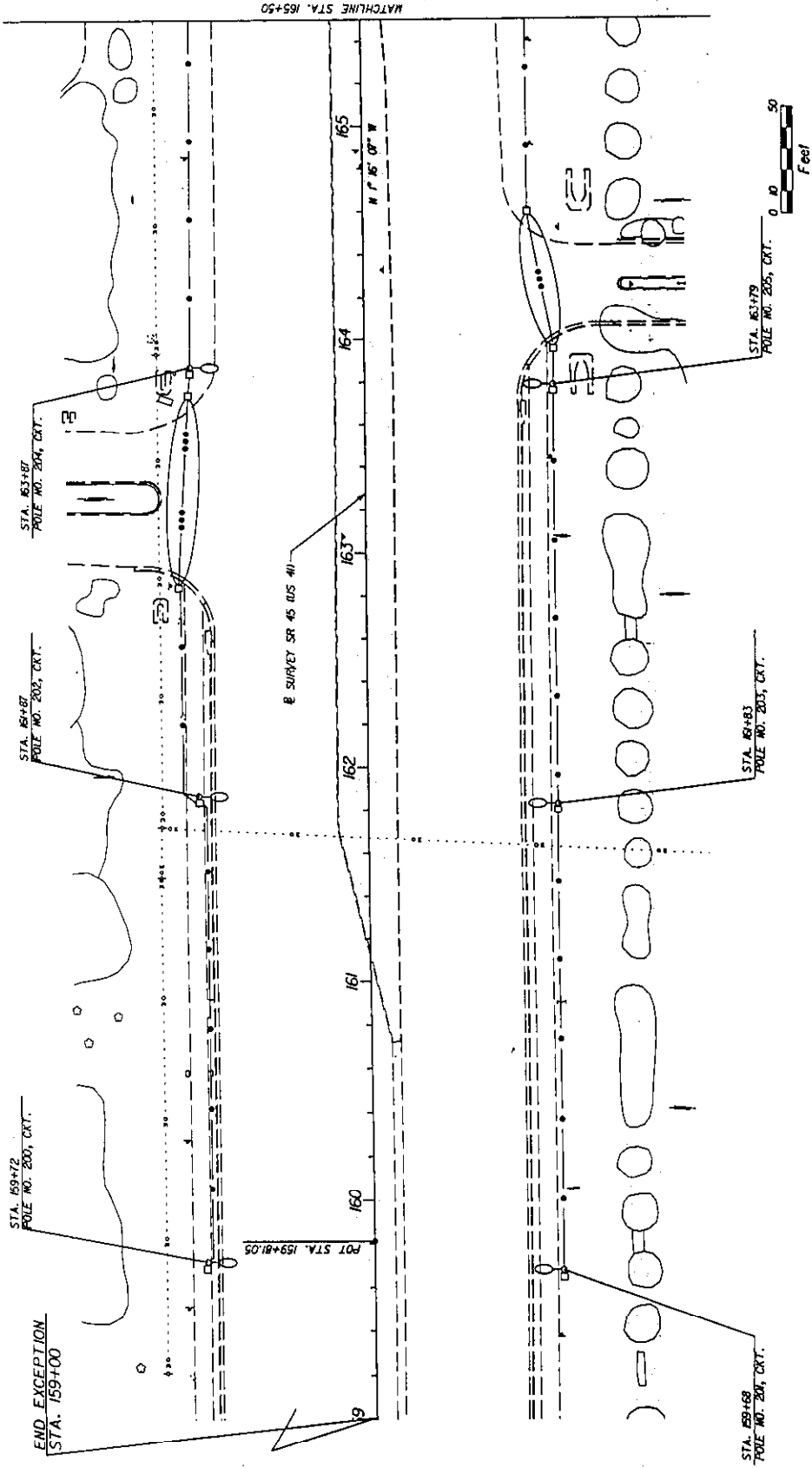
STA. 110+07
POLE NO. 15, CRT.



REVISIONS		DESCRIPTION	
DATE	BY	DATE	BY

STATES OF FLORIDA		APPROVAL	
DEPARTMENT OF TRANSPORTATION		DATE	
ROAD NO.	COUNTY	DATE	BY
4C	15C		
FINANCIAL PROJECT ID		APPROVAL	

 Comprehensive Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-5417 Certificate of Authorization Number: 7882		LIGHTING PLAN SHEET NO. L-10	
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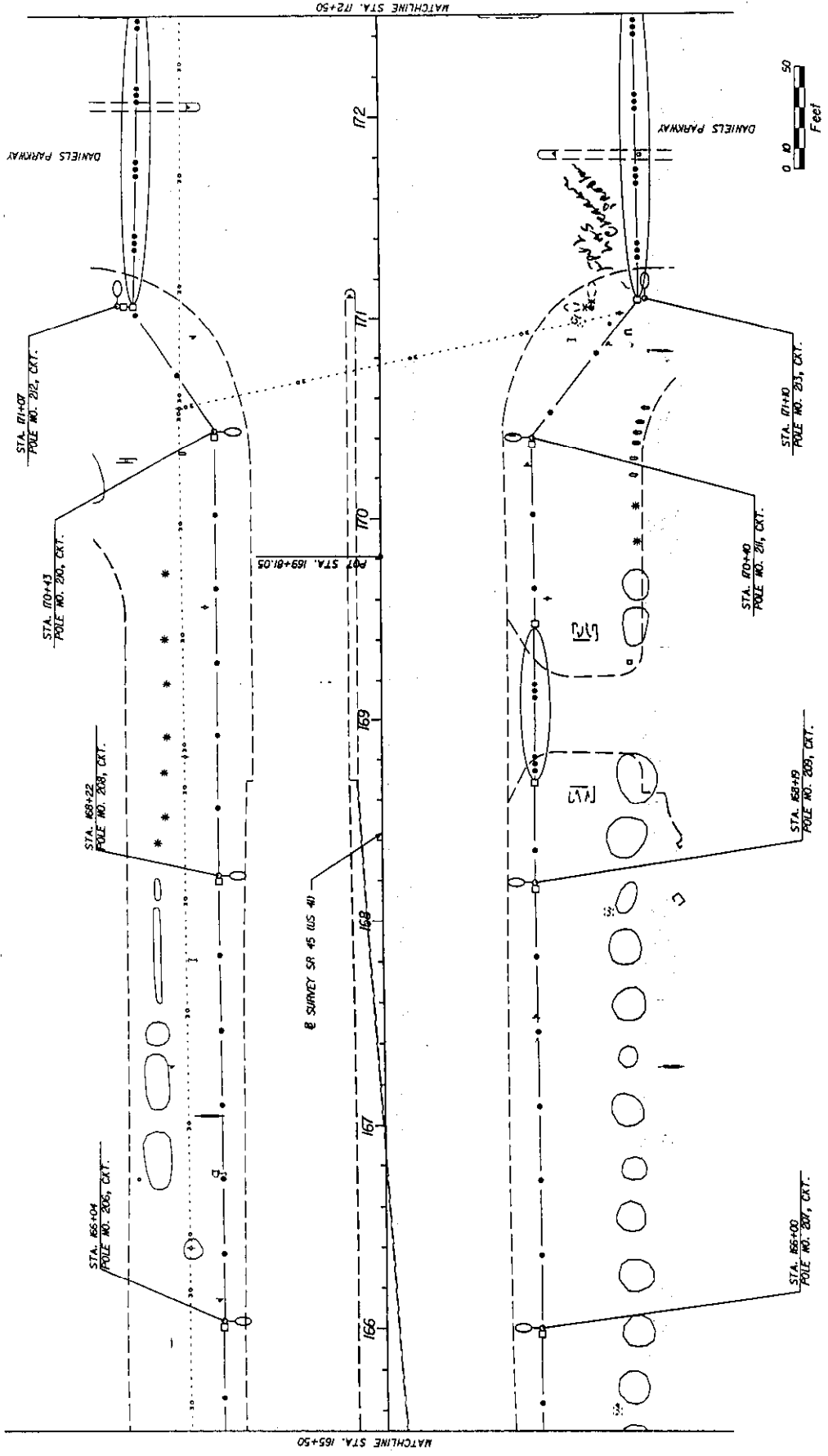
REVISIONS		DESCRIPTION	
DATE	BY	DATE	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	

 Comprehensive Services, Inc. 201 S Orange Ave. Suite 1300 Orlando, FL 32801-3417 Certificate of Authorization Number: 7982		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID ROAD NO. COUNTY FINANCIAL PROJECT ID
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LIGHTING PLAN

SHEET NO. L-II



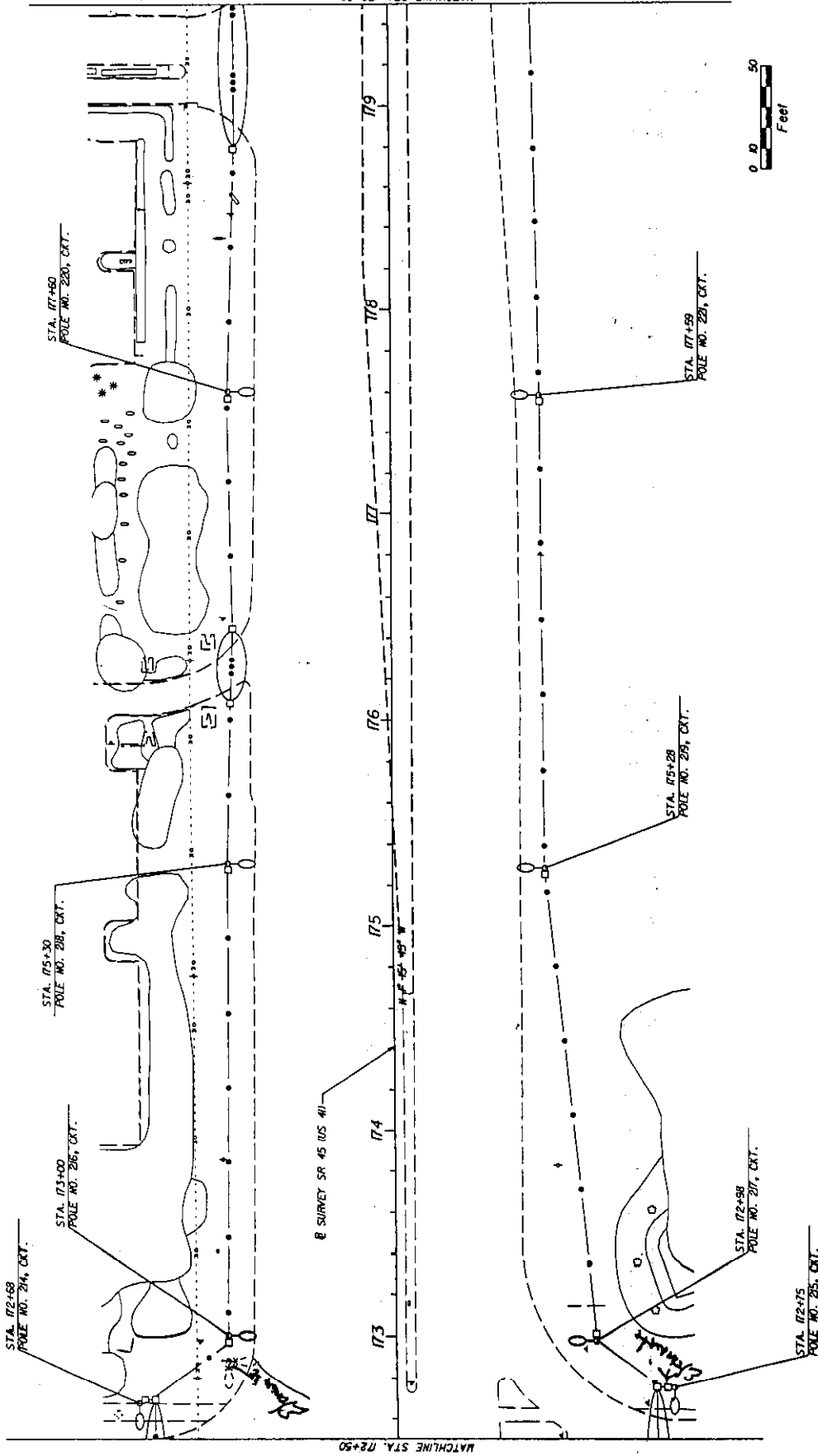
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LIGHTING PLAN

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY FINANCIAL PROJECT ID
AC ICE APPROVAL-160-01

ICES
Comprehensive
Engineering
201 S Orange Ave. Suite 1300 Orlando, FL 32801-3417
Certificate of Authorization Number: 7982

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION



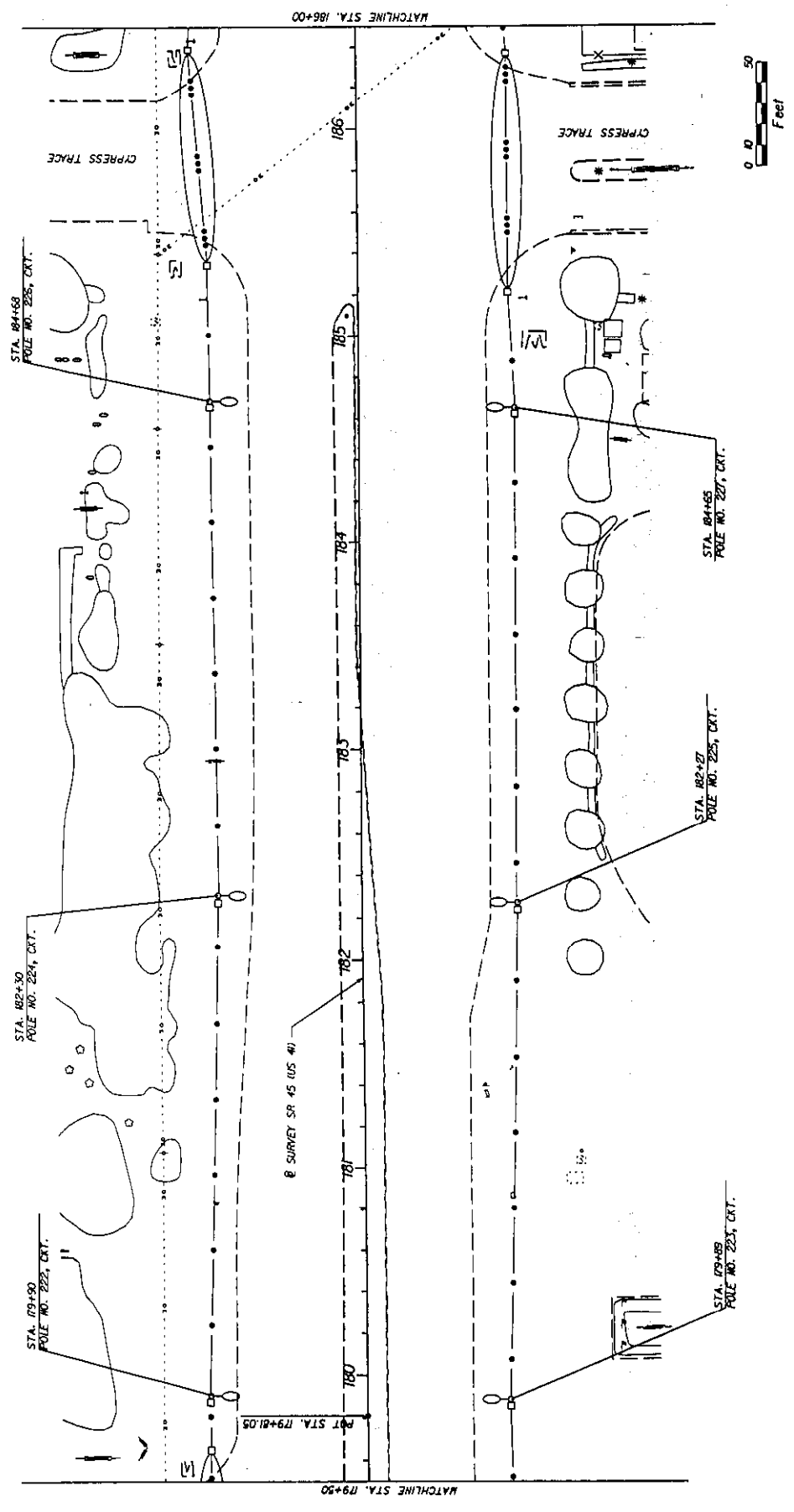
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LIGHTING PLAN

STATES OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY FINANCIAL PROJECT ID

CES Comprehensive Engineering Inc.
201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
Certificate of Authorization Number: 17822

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION




DATE		DESCRIPTION		REVISIONS		DATE		BY	
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417 Certificate of Authorization Number: 7382						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 45 COUNTY LEE FINANCIAL PROJECT ID 409234-1-52-01			
LIGHTING PLAN						SHEET NO. L-14			

L-15
SHEET NO.

LIGHTING PLAN

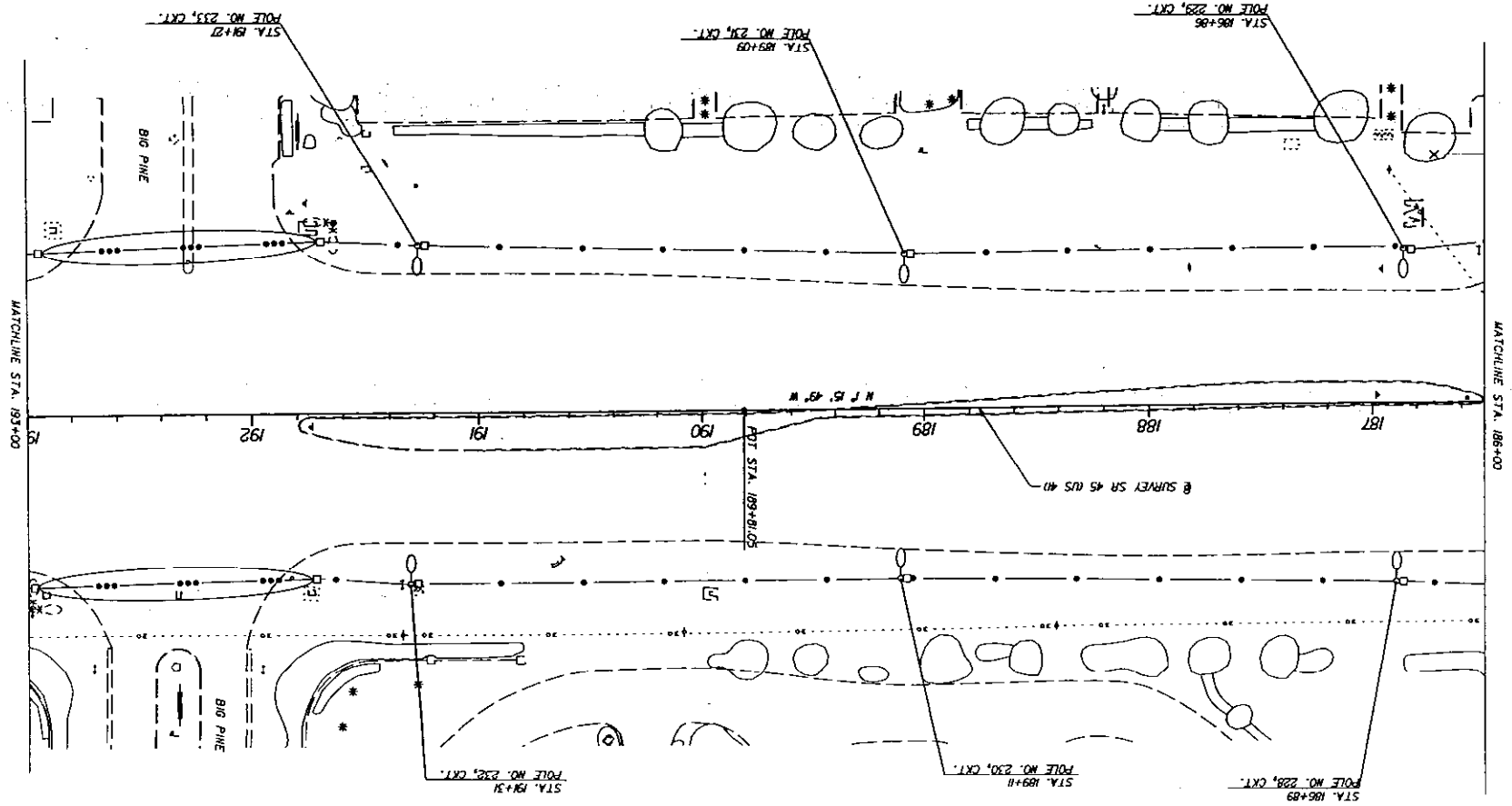
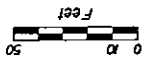
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ROAD NO.	COUNTY
FINANCIAL PROJECT NO.	PROJECT NO.

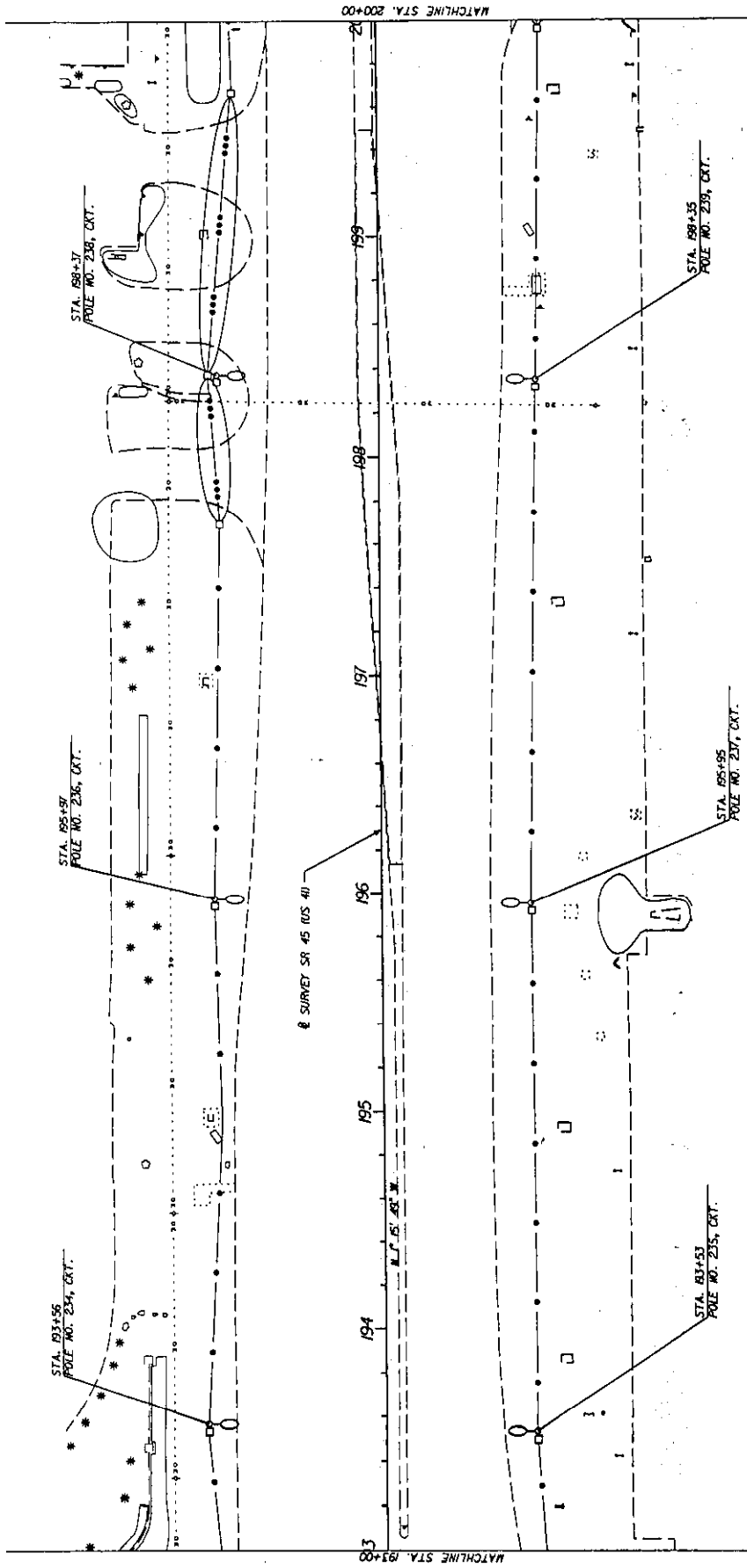
201 S Orange Ave., Suite 1300 Orlando, FL 32801-5417
Citywide of Authorization Number: 7882



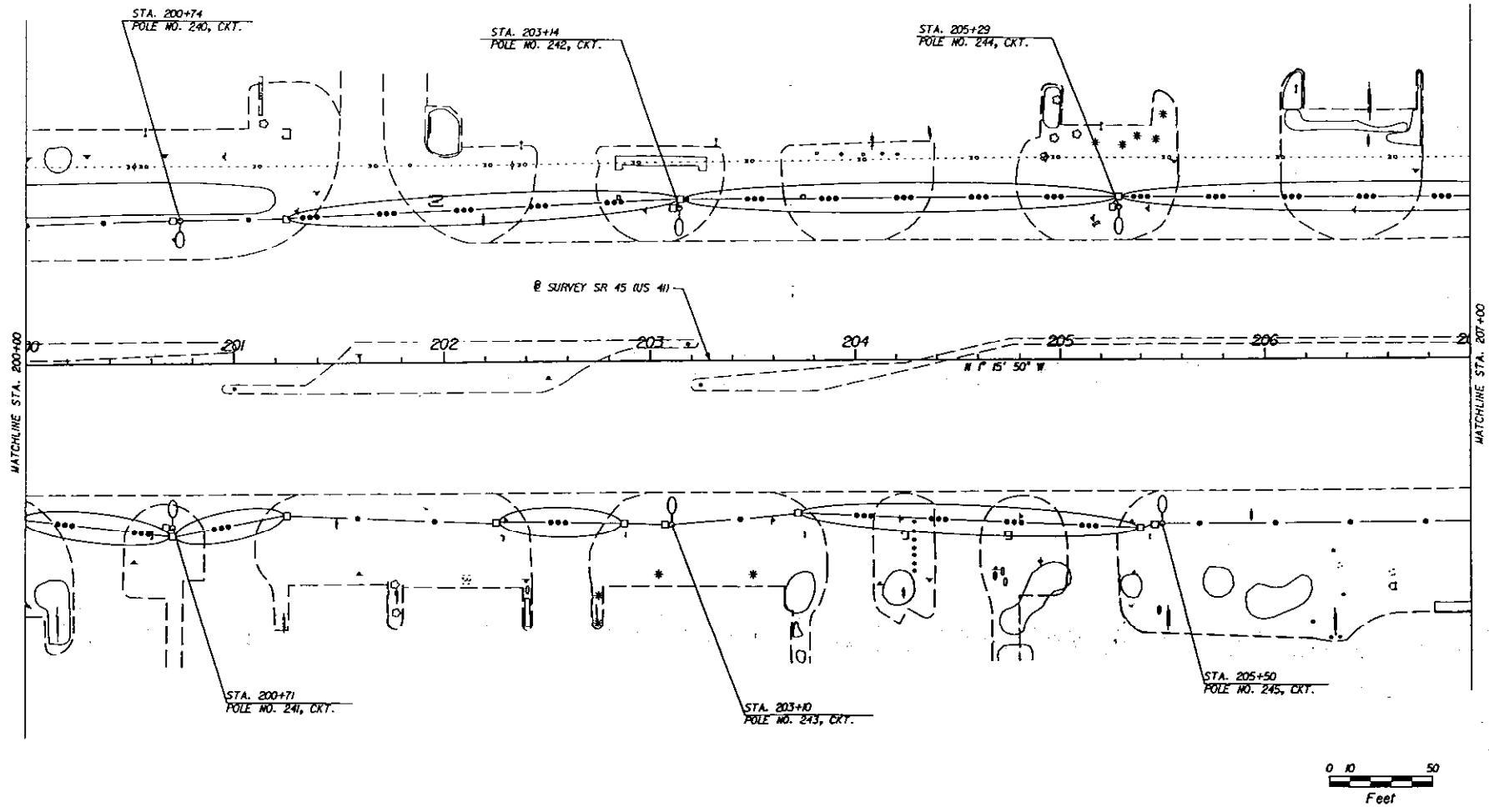
Company
Engineers
Architects, Inc.

DATE	BY	REVISION





DATE		REVISIONS		SHEET NO.	
BY	DATE	DESCRIPTION	DATE	DESCRIPTION	L-16
<p>201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417 Certificate of Authorization Number: 7882</p>			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. _____ COUNTY _____ FINANCIAL PROJECT ID _____		
LIGHTING PLAN					



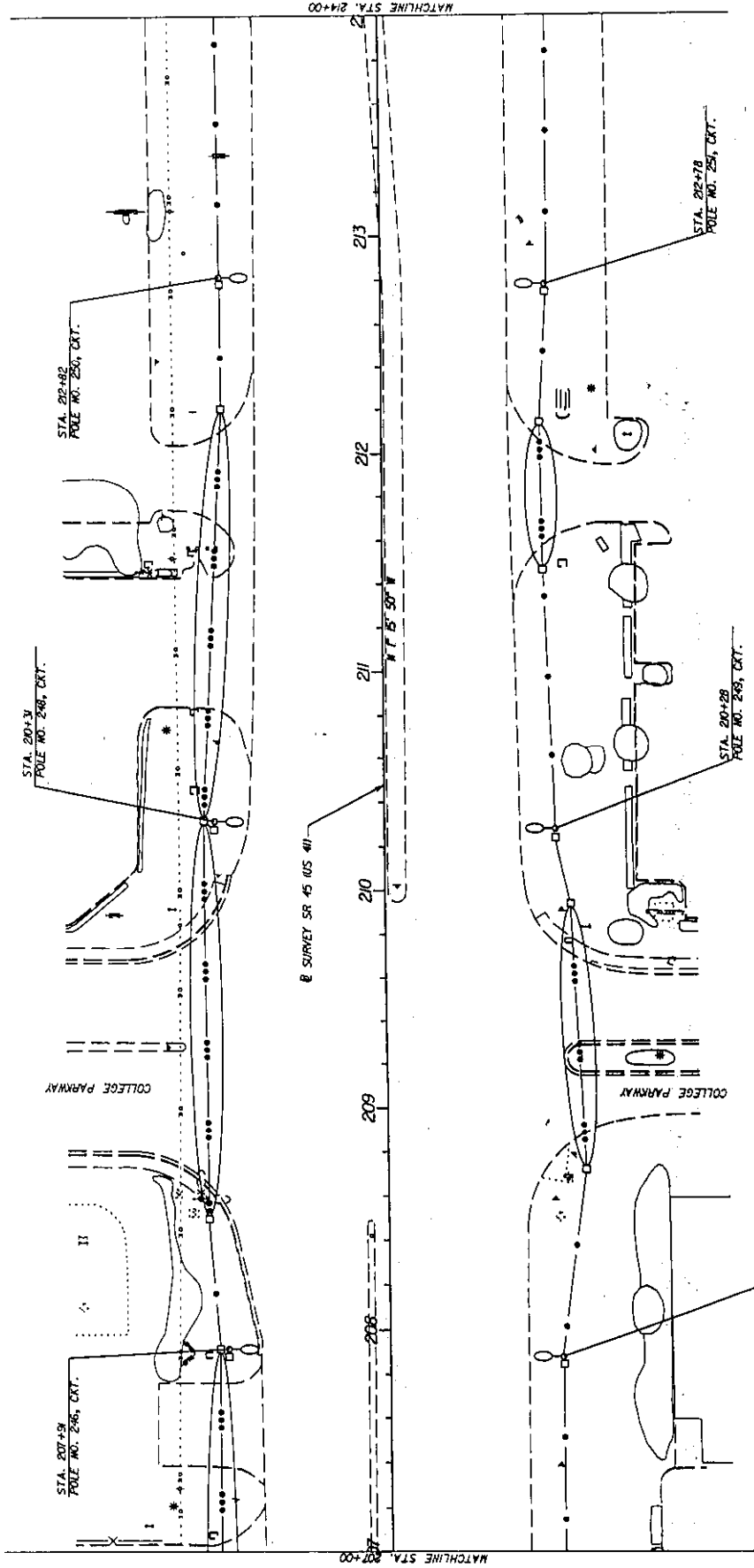
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


CES Comprehensive Engineering Services, Inc.
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
 Certificate of Authorization Number: 7902

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID

LIGHTING PLAN

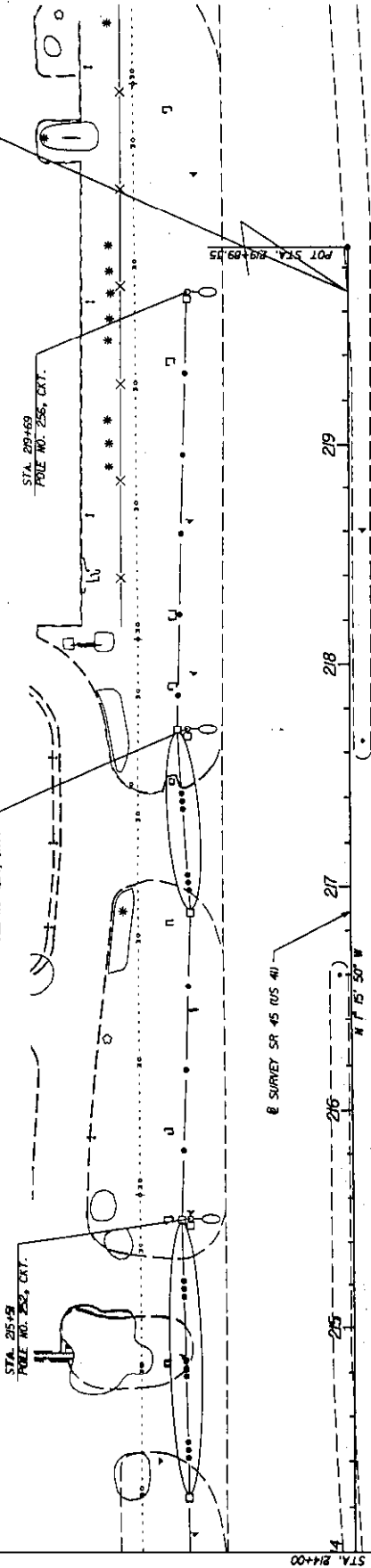
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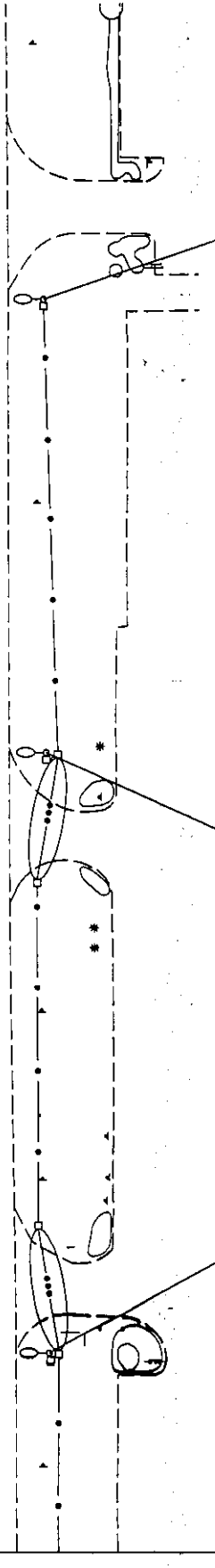
DATE		REVISIONS		DESCRIPTION	
STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 45 COUNTY 1FF PROJECT ID 45-1FF-1-59-01 FINANCIAL PROJECT ID 45-1FF-1-59-01					
CES Consulting Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417 Certificate of Authorization Number: 7982					
LIGHTING PLAN					
SHEET NO.					L-18



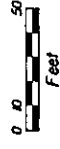
END PROJECT
END LIGHTING
STA. 219+69



MATCHLINE STA. 214+00



STA. 219+65
POLE NO. 257, CRT.



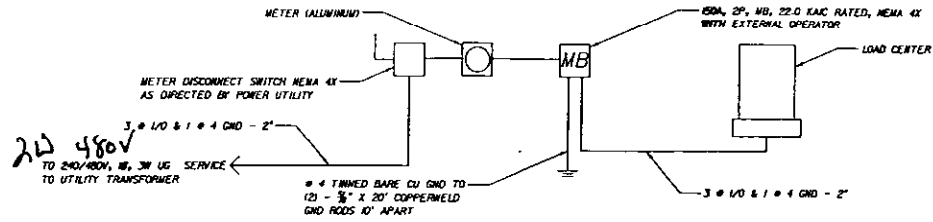
SHEET NO.
1-10

LIGHTING PLAN

STATES OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY FISCAL PROJECT ID

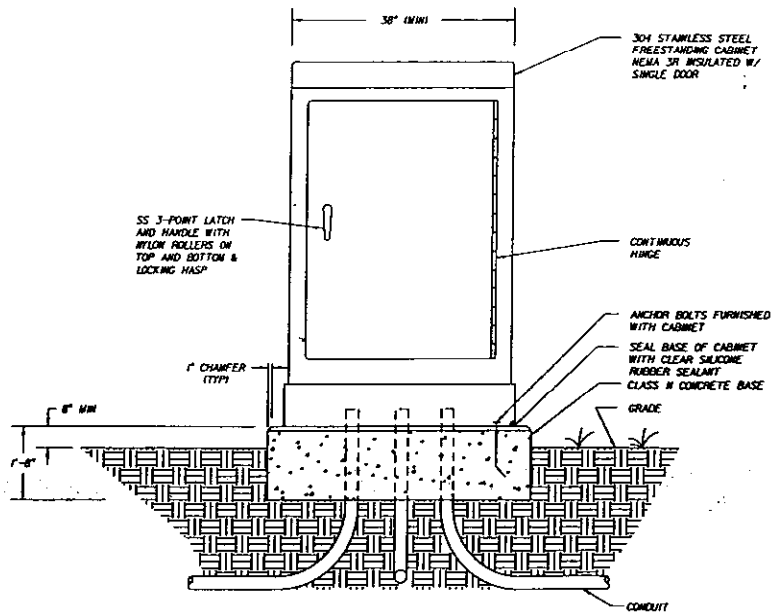
CES Comprehensive Engineering Services, Inc.
201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
Professional Registration Number: 7885

DATE	BY	DESCRIPTION	#	DATE	BY	DESCRIPTION

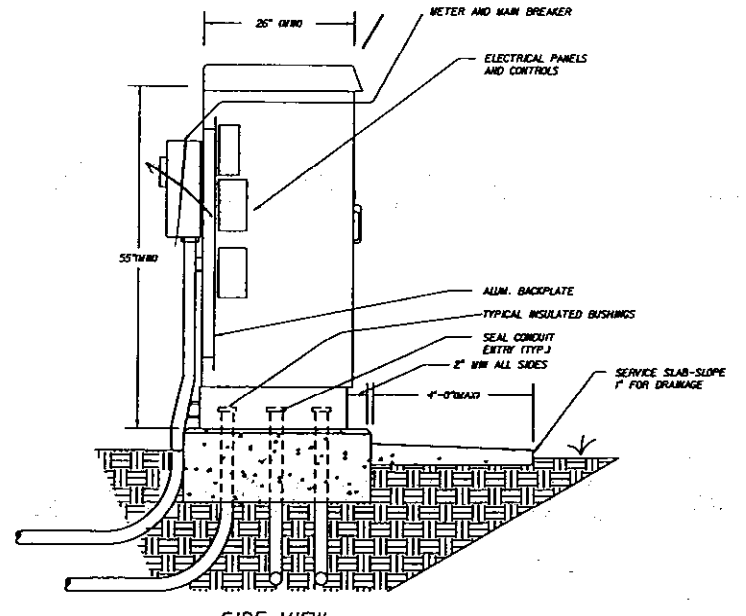


SERVICE POINT A & B POWER RISER
N.T.S.

Revised Detail



FRONT VIEW



SIDE VIEW

SERVICE POINTS "A" & "B" MOUNTING STRUCTURE DETAIL
N.T.S.

GENERAL NOTES

- CABINET SHALL BE GROUNDED PER THE REC AND FOOT STANDARDS.
- STUB-OUT ONE (1) SPARE 1\"/>

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES Comprehensive Engineering Services, Inc.
201 S Orange Ave, Suite 1300 Orlando, FL 32801-3417
Certificate of Authorization Number: 7882

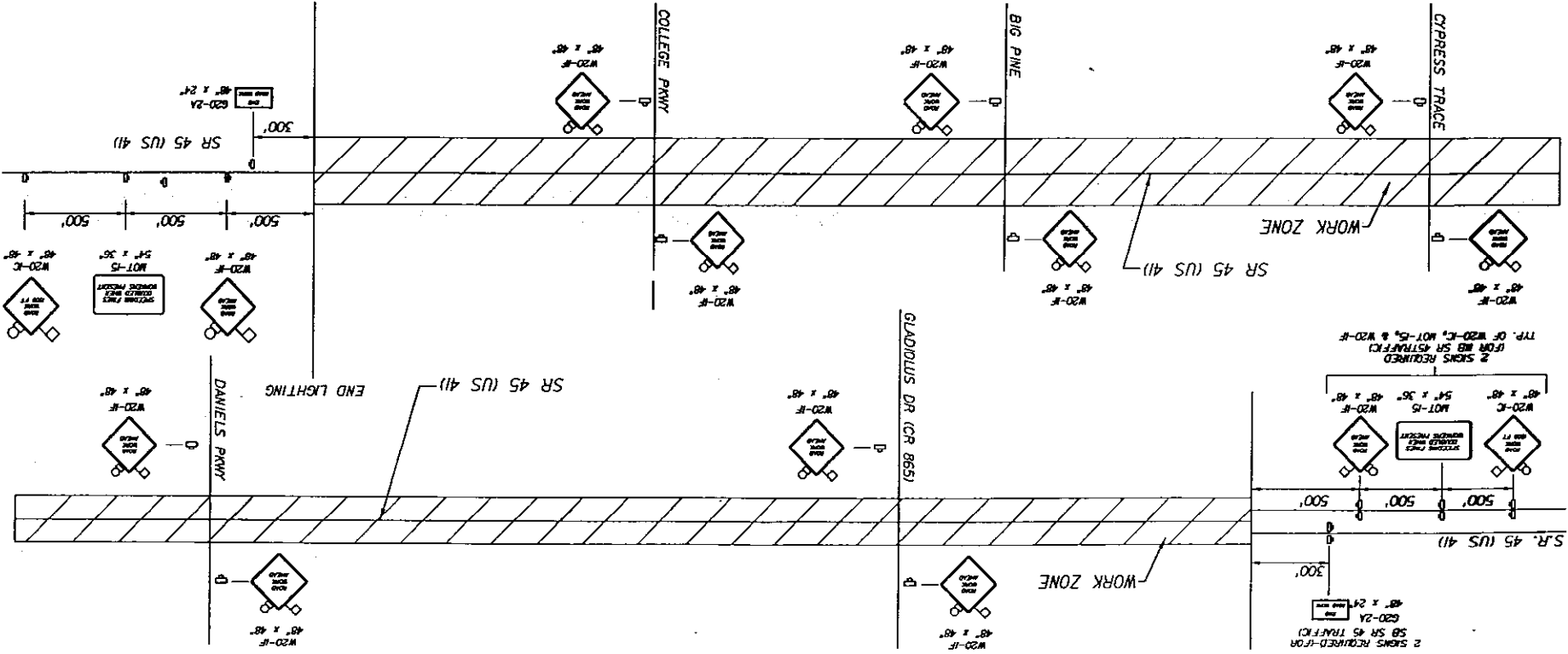
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT #
45	IFF	409234-1-52-01

SERVICE POINT DETAILS

SHEET NO.
L-20

ADVANCE SIGNING DETAIL

N.T.S.



1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FOOT DESIGN STANDARDS (2002), INDEX 600 SERIES, SPECIFICALLY INDEX NO.'S 600, 611, 622 & 623.

2. EXISTING TRAFFIC MOVEMENTS TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING PERMITTED LANE CLOSURES.

3. NO LANE CLOSURES SHALL BE PERMITTED ALONG THE SR 45 ROADWAY FOR INSTALLATION OF LIGHTING FACILITIES.

4. THE POSTED SPEED LIMIT OF 45 MPH SHALL REMAIN AT ALL TIMES DURING CONSTRUCTION.

5. IN THE EVENT OF ANOTHER LIGHTING PROJECT GOING DURING THIS PROJECT, THE CONTRACTOR IS REQUIRED TO COORDINATE THE PLACEMENT OF ADVANCE WARNING SIGNS. ADDITIONALLY IF THE COMBINED LENGTH EXCEEDS 2 MILES, LENGTH OF ROAD WORK SIGNS (S20-11) WILL BE REQUIRED AT THE BEGIN CONSTRUCTION POINTS.

7 DAYS TEMP (DAY)	PRIOR TO CLOSURE (MONTH)	DURING LAME CLOSURE BE PREPARED TO STOP
A	B	

VARIABLE MESSAGE SIGN (VMS) DISPLAY

DATE	BY	DESCRIPTION	REVISIONS

301 S Orange Ave, Suite 1700 Orlando, FL 32801-0417

 Computerized

 Services, Inc.

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT NO.	
		COUNTY	45
		ROAD NO.	45
			155
			409274-1-52-01

TRAFFIC CONTROL

ADVANCE SIGNING DETAIL

SHEET NO. L-21

GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS
 FLORIDA DEPARTMENT OF TRANSPORTATION (DOT) STANDARD SPECIFICATIONS
 FOR ROAD AND BRIDGE CONSTRUCTION (2000 EDITION) WITH APPROVED
 SUPPLEMENTS THERE TO.
 DESIGN SPECIFICATIONS
 AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).
 STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (SIXTEENTH EDITION, 1998, AND APPLICABLE
 INTERIMS THIRD EDITION AND FOOT STRUCTURES DESIGN GUIDELINES (2000 EDITION).
 DESIGN METHODS
 LOAD FACTOR DESIGN.

CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 316 OF THE STANDARD SPECIFICATIONS.
 (CAST IN PLACE OR PRECAST)
 CLASS LOCATION
 MINIMUM
 COMPRESSIVE
 STRENGTH
 f_c = 4000 PSI LUMBER-SHAPE PRECAST FOOTING

REINFORCING STEEL:
 REINFORCEMENT CAN BE EITHER DEFORMED BAR REINFORCEMENT OR WELDED WIRE FABRIC. BAR REINFORCEMENT
 SHALL BE ASTM A601, GRADE 60. DEFORMED WELDED WIRE FABRIC SHALL HAVE A DESIGN STRENGTH OF 65 KSI.
CONCRETE COVER:
 CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION
 TOLERANCE UNLESS SHOWN AS "MINIMUM COVER". SEE FOOT STANDARD SPECIFICATIONS FOR ALLOWABLE
 REINFORCEMENT PLACEMENT TOLERANCES.

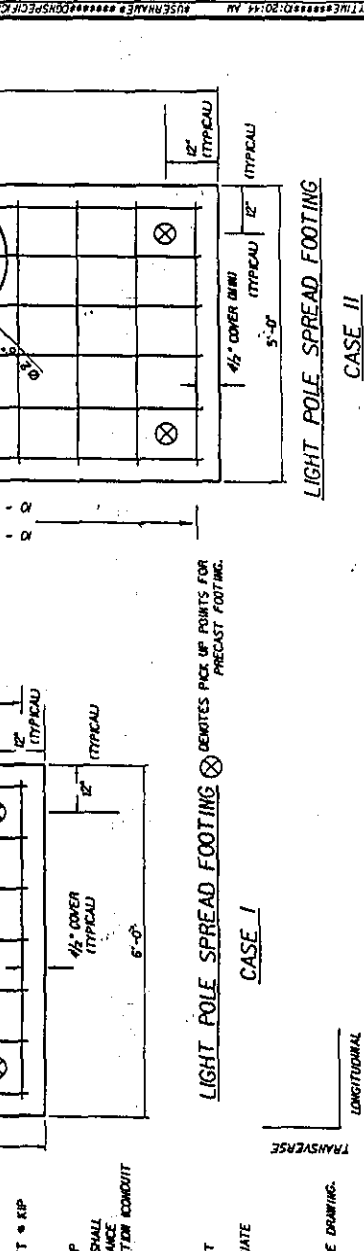
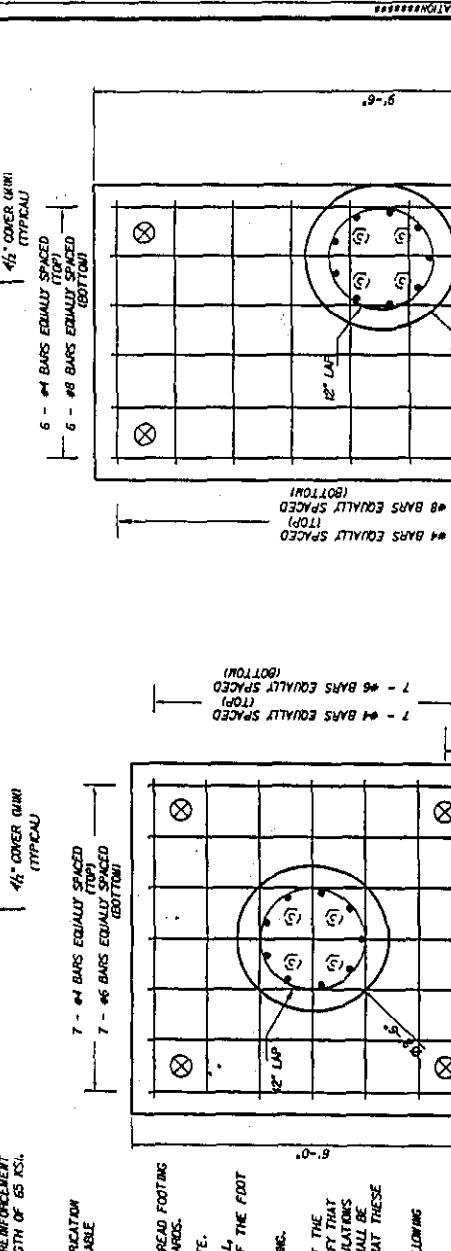
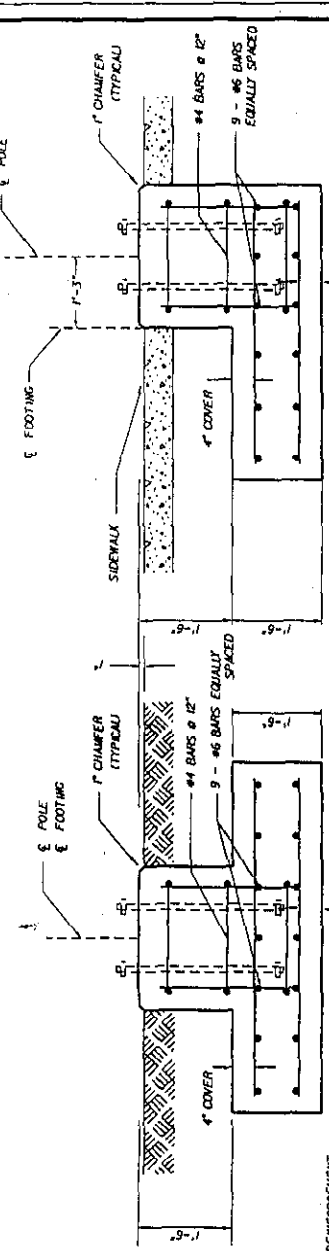
LUMINAIRE SPREAD FOOTING NOTES:

- AT THE CONTRACTOR'S RISK, BASED ON THE EXISTING UTILITIES, HE MAY SUBSTITUTE THE SPREAD FOOTING WITH THE DRILL SHAFT AS SHOWN IN INDEX 8503 OF THE ROAD AND TRAFFIC DESIGN STANDARDS.
- THE COST OF THE FOOTING IS INCLUDED IN THE PA ITEM NUMBER FOR LIGHT POLE COMPLETE.
- SOME BELOW FOOTING IS TO HAVE A MINIMUM BEARING CAPACITY OF 2.5 H/AM (1. FOR BACKFILL, COMPACTED, AND DENSITY MATERIAL REQUIREMENTS REFER TO SECTION 455-30 AND 455-31 OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ANCHOR BOLTS ARE TO HAVE A MINIMUM 4 1/2 INCHES CONCRETE COVER AT BOTTOM OF FOOTING. INCREASE HEIGHT OF PEDESTAL AS REQUIRED TO ACCOMMODATE LARGER BOLTS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS THAT EFFECTIVELY TRANSMIT THE LIGHT POLE LOAD TO THE SHAFT AND THAT FIT THE REINFORCING CASE. HE MUST ALSO VERIFY THAT THE FORCES OF THE LIGHT POLE DO NOT EXCEED THE DESIGN LOADS OF THIS FOOTER. CALCULATIONS SHOWN AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA MUST BE SUBMITTED BY THE CONTRACTOR TO THE DEPARTMENT FOR REVIEW AND APPROVAL. DRAWING THAT THESE REQUIREMENTS HAVE BEEN MET PRIOR TO CONSTRUCTION.
- THE PULL BOX WILL BE INSTALLED ADJACENT TO AND NOT ABOVE THE FOOTING, THEREFORE ALLOWING ADEQUATE DRAINAGE OF THE PULL BOX.
- DESIGN LOADS NOT TO EXCEED:
 MOMENT IN TRANSVERSE DIR. = 64.8 FT • KP
 MOMENT IN LONGITUDINAL DIR. = 163.9 FT • KP
 AXIAL = 450 FT • KP
 SHEAR IN TRANSVERSE DIR. = 0.63 KP
 SHEAR IN LONGITUDINAL DIR. = 0.44 KP

- ALL CONDUIT SHOULD BE RISE GALVANIZED STEEL OR SCHEDULE 40 P.V.C. BENDS IN CONDUIT SHALL BE MADE USING A RADIUS NOT LESS THAN 10 IN. END OF CONDUIT SHALL BE SEALED IN ACCORDANCE WITH SUBARTICLE 800-3.4. LOCATION OF THE CONDUIT SHALL BE VERIFIED PRIOR TO CONSTRUCTION. CONDUIT NOT SHOWN FOR CLARITY.

PRE-CAST FOOTING NOTES:

- SURFACE FINISH THE EXPOSED PART OF THE PEDESTAL SHALL HAVE A CLASS 3 FINISH.
- HANDLING: PRECAST CONCRETE FOOTINGS MUST BE MAINTAINED IN A FLAT POSITION. THEY MUST BE PICKED UP FROM TWO POINTS LOCATED AT EACH END.
- STORAGE AND TRANSPORTATION: ALL PRECAST CONCRETE FOOTINGS MUST BE STORED ON ADEQUATE CUSHION. THE PRECAST CONCRETE FOOTING MUST BE SUPPORTED NO CLOSER THAN 6 INCHES AND NO FARTHER THAN 18 INCHES FROM THE END.
- MARKING: EACH PRECAST CONCRETE FOOTING SHALL BE MARKED SHOWING CASTING DATE, AND IDENTIFICATION LETTERS AND NUMBERS.
- WELDED WIRE FABRIC MUST HAVE AN AREA EQUIVALENT TO THE REINFORCEMENT SHOWN IN THE DRAWING. APPROVED SHOP DRAWING IS REQUIRED.



CASE I
 LIGHT POLE SPREAD FOOTING ⊗ DENOTES PICK UP POINTS FOR PRECAST FOOTING.

CASE II
 LIGHT POLE SPREAD FOOTING

NO.	DESCRIPTION	REVISIONS	DATE

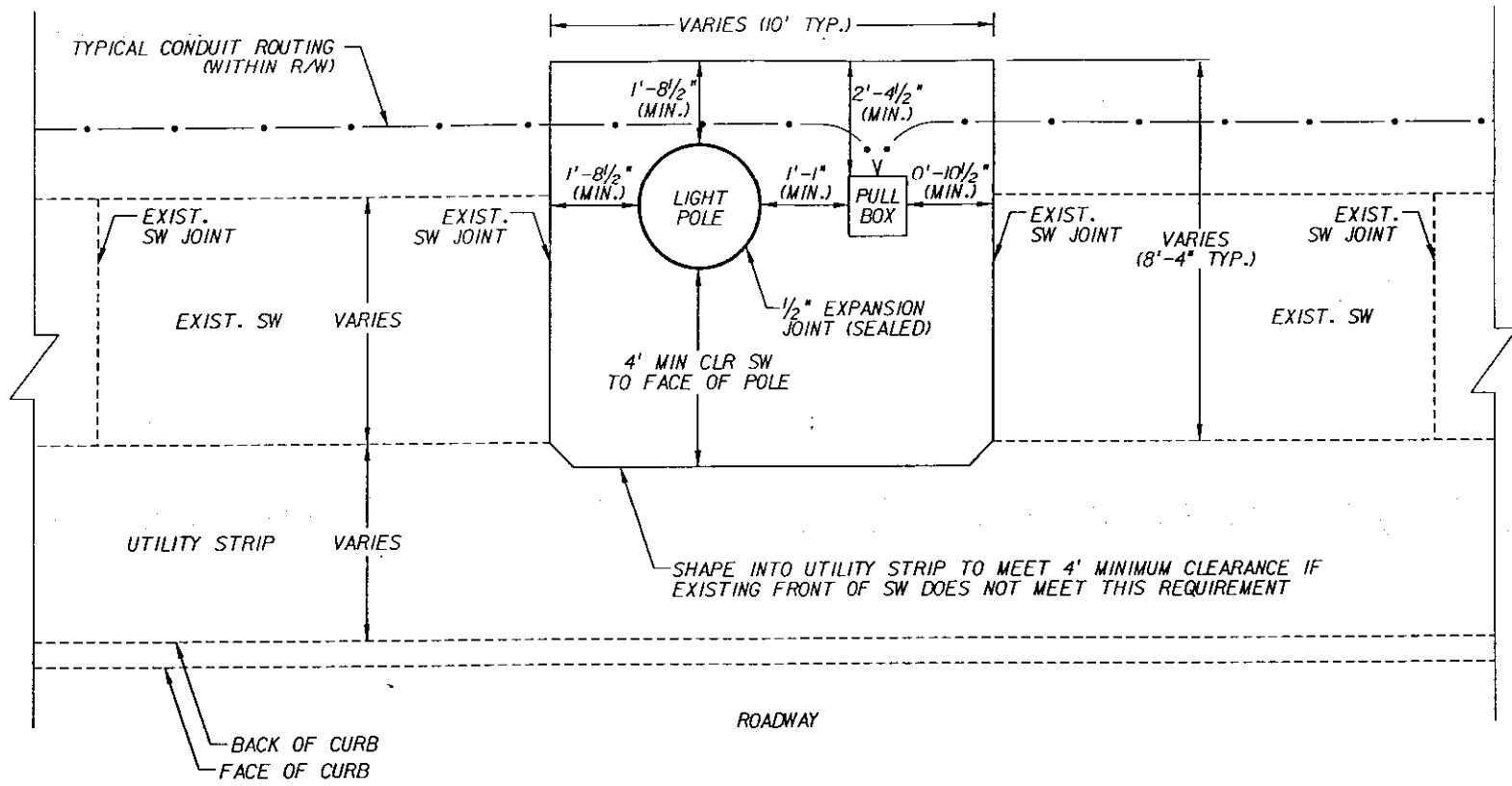
DESIGNER	ENGINEER OF RECORD	FLORIDA DEPARTMENT OF TRANSPORTATION
DRAWN BY	STRUCTURES DESIGN OFFICE	
CHECKED BY	ROADWAY DESIGN DIV.	
DESIGNED BY	DESIGNED BY	
APPROVED BY	APPROVED BY	
PROJECT NO.	PROJECT NO.	
COUNTY	COUNTY	
DATE	DATE	
SCALE	SCALE	
SHEET NO.	SHEET NO.	

CASE II

LIGHT POLE SPREAD FOOTING

SR45 (US4) LIGHTING

SHEET NO. L-23



- NOTES**
1. DIAGRAM SHOWS PREFERRED LAYOUT OF POLE SLAB IN SIDEWALK. ARRANGEMENT MAY BE MIRRORED AND/OR SHIFTED RELATIVE TO SPECIFIED LIGHT POLE LOCATION AS SHOWN IN PLANS.
 2. POSITION POLE SLAB BETWEEN EXISTING SIDEWALK JOINTS (OPEN OR SAWCUT) TO MINIMIZE NEED FOR SIDEWALK MODIFICATION. ALL SIDEWALK REPLACEMENT SHALL
 3. EXTEND TO NEAREST EXISTING JOINT IN SIDEWALK.
 4. LIGHT POLES SHALL BE INSTALLED AT THE OFFSET LISTED IN POLE DATA TABLE. IN THE EVENT THAT MINIMUM SIDEWALK CLEARANCE CAN NOT BE ACHIEVED AT THE GIVEN OFFSET, POLE MAY BE SHIFTED BACK TO MEET MINIMUM 4' SIDEWALK CLEARANCE. IN ALL CASES POLE AND SLAB SHALL BE CONSTRUCTED ENTIRELY WITHIN RIGHT-OF-WAY.
 5. REFER TO INDEX 660 FOR PEDESTRIAN CONTROL REQUIREMENTS FOR SIDEWALK CLOSURES.
 6. POLE SLABS IN SIDEWALK WHICH IMPACT CURB RAMPS SHALL BE CONSTRUCTED TO MEET SPECIFIED REQUIREMENTS AS INCLUDED IN DESIGN STANDARDS (SPECIFICALLY INDEX 304 AND 301).
 7. REFER TO INDEX 17500 FOR SLAB REINFORCEMENT REQUIREMENTS.
- SLAB TO BE SLOPED LATERALLY TO MATCH EXISTING SIDEWALK AND IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE LIGHT POLE BASE AND PULL BOX.

		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
45	LEE	409234-1-52-01

**SPECIAL POLE SLAB
DETAIL**

SHEET NO.
L-24