

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

Blue Sheet No. 20031293

1. REQUESTED MOTION:

ACTION REQUESTED:

Approve the Joint Project Agreement-Highway Lighting Agreement with the Florida Department of Transportation for roadway lighting on SR 80 Orange River Road. 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 construct or reconstruct a transportation facility identified as SR 80 Orange River Road, the Florida Department of Transportation will proceed with this project. Lee County will only be responsible for maintenance and payment of all cost of electrical power and/or other electrical charges.

**2. DEPARTMENTAL CATEGORY:
COMMISSION DISTRICT #**

C9B

3. MEETING DATE:

12-02-2003

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 construct or reconstruct a transportation facility identified as SR 80 Orange River Road. This project will cover W. of Orange River Road, to W of SR 31. The Lee County Department of Transportation will be responsible for the maintenance, and 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.

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

8. MANAGEMENT RECOMMENDATIONS:

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>11/12/03</i> <i>[Signature]</i>	<i>[Signature]</i> No contract # needed	N/A		<i>Andrea Jasser</i>	OA <i>RK 11/17</i>	OM <i>[Signature] 11/20/03</i>	Risk <i>[Signature] 11/17/03</i>	GC <i>[Signature] 11/17/03</i>	<i>[Signature]</i> 11-13-03

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
 Date: *11/13/03*
 Time: *2:55 PM*
 Forwarded to:
 Budget
11/13/03 9:35 AM

RECEIVED BY
 COUNTY ADMIN: *[Signature]*
11/14/03
9:50 am SLT
 COUNTY ADMIN
 FORWARDED TO:
[Signature]

**A RESOLUTION AUTHORIZING LEE COUNTY TO
ENTER INTO A ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT
WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION
FOR SR 80 ORANGE RIVER ROAD**

THIS IS A RESOLUTION to the Board of County Commissioners, Lee County, Florida, a political subdivision of the State, authorizing the execution of a Joint Project Agreement-Highway Lighting Agreement with the Florida Department of Transportation (FDOT) for SR 80 Orange River Road.

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. Joint Project Agreement-Highway Lighting Agreement for SR 80 Orange River Road, which covers the area W. of Orange River Road, to W. of SR 31, is hereby approved.
2. In return for the construct or reconstruction of a transportation facility identified as SR 80 Orange River Road, by Florida Department of Transportation, and as provided for in this Agreement, the County agrees to be responsible for the maintenance, and payment of all cost of electrical power and/or other electrical charges, incurred in connection with the operation of the completed highway 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 _____, 2002.

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

LEE COUNTY RESOLUTION NO. _____

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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

ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Financial Project ID:	Federal Project ID:
Work Program Item No. (old):	County/Section No:
State Job No. (old):	District Document No:

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

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 Forms Document."

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

MAINTAINING AGENCY

BY: (Signature) _____ DATE: _____
(Typed Name: _____)

Recommend Approval by the District Utility Office

BY: (Signature) _____ DATE: _____
(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: (Signature) _____ DATE: _____
(Typed Name: _____)

RESOLUTION
UTILITY AGREEMENT

FPN				COUNTY	S.R.#	FAP NO.
195584	2	52	01	LEE	80	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: _____

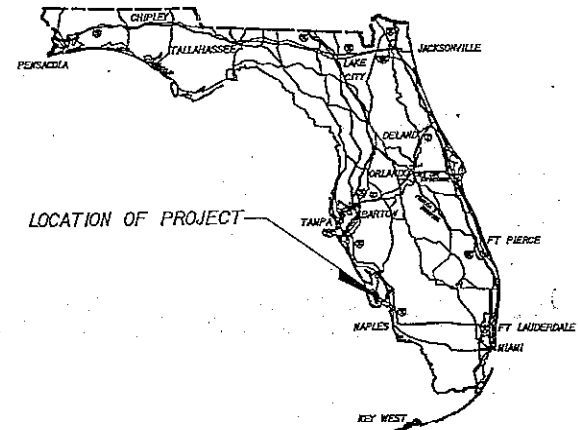
ATTEST: _____

Title: _____

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

FINANCIAL PROJECT ID 195584-2-52-01
LEE COUNTY (I2020)
STATE ROAD NO. 80 (PALM BEACH BLVD.)
LIGHTING PLANS



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
L-5	LIGHTING GENERAL NOTES
L-6 TO L-7	LIGHTING LEGEND AND POLE DATA
L-8 TO L-25	LIGHTING PLAN
L-26	SERVICE POINT DETAILS
L-27	LIGHT POLE SPREAD FOOTING
L-28	BRIDGE PILASTER DETAIL
L-29	RETAINING WALL PILASTER DETAIL
L-30 TO L-36	INTERIM STANDARDS

LIGHTING SHOP DRAWINGS
TO BE SUBMITTED TO:
MATTHEW C. TILKE, 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.CESIVIL.COM
VENDOR No. 53-3472222
CONTRACT NO. C-7504

**PHASE II SUBMITTAL
SEPTEMBER 19, 2003**

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2002,
AND STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS


KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

LIGHTING PLANS
ENGINEER OF RECORD: Matthew C. Tilke, P.E.
DATE: _____
P.E. NO.: 80280

FISCAL YEAR	SHEET NO.
04	L-1

DOT PROJECT MANAGER: ROBERT E. BARNES

TO BE PROVIDED
AT PHASE III SUBMITTAL

 CES Comprehensive Engineering Surveyors, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7882 Matthew C. Tisa, P.E., License No. 00280		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 95584-2-52-01	SHEET NO. L-2
SUMMARY OF PAY ITEMS			
9/27/2003 1:25:41 PM \\scc\p1\3\Work\95584-2\95584-2-52-01.dwg 95558001.dwg			

REVISIONS			
DATE	BY	DESCRIPTION	DATE

GENERAL NOTES:

1. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATION OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT. THESE MUST SPECIFICALLY INCLUDE:
 - A) LUMINAIRE PHOTOMETRICS (INCLUDING ELECTRONIC IES PHOTOMETRIC FILES)
 - B) POLE STRENGTH CALCULATIONS
 - C) POLE FRANGIBILITY TEST
 - D) BOLT SPECIFICATIONS AND BOLT CIRCLE DIAMETER
 - E) POLE SHOP DRAWINGS
 - F) LOAD CENTER ELECTRICAL EQUIPMENT
2. THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, ARE APPROXIMATE AND BASED ON THE INFORMATION FURNISHED TO THE ENGINEER BY THE UTILITY OWNER(S) AND ARE SHOWN AS NOTICE TO THE CONTRACTOR THAT UNDERGROUND UTILITIES EXIST. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS, NOTIFY UTILITY OWNER(S), AND REQUEST UTILITY COMPANIES TO LOCATE AND STAKE UNDERGROUND UTILITIES PRIOR TO EXCAVATING.
3. THE CONTRACTOR SHALL NOTIFY THE SUNSHINE STATE ONE CALL AT 1-800-432-4770 AND/OR THE APPROPRIATE UTILITY COMPANIES LISTED IN THE TABLE ON SHEET 22 AT LEAST 2 FULL BUSINESS DAYS IN ADVANCE OF POLE CONSTRUCTION OPERATIONS WHERE CONFLICT WITH UNDERGROUND UTILITIES OR OVERHEAD ELECTRICAL CONDUCTORS IS EXPECTED.
4. THE LOCATION OF THE CONDUCTORS, CONDUITS, JUNCTION BOXES, AND SERVICE POLES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED BY THE ENGINEER TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS.
5. ALUMINUM POLES, LUMINAIRES AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AND SHALL HAVE BEEN TESTED BY FHWA-APPROVED METHODS. CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
6. SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUT SHOWING HORIZONTAL FOOTCANDLE LEVELS TO BE OBTAINED USING THE SUBMITTED LUMINAIRES ON THIS PROJECT. AT FINAL INSPECTION THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOTCANDLE LEVELS ON THE ROADWAY WITH AN APPROVED CURRENTLY CALIBRATED LIGHT METER.
7. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE AND THE FLORIDA DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
8. INSTALL LIGHTNING ARRESTORS, PROPERLY GROUNDED, IN POWER (SECONDARY) ENTRANCES.
9. IN ACCORDANCE WITH THE N.E.C., IDENTIFY ALL CIRCUITS AND EQUIPMENT WITH "LAMACOID TAGS". INSTALL SIMILAR TAGS OF STAINLESS STEEL IDENTIFYING CIRCUIT FOR EACH LUMINAIRE AT ACCESS HANDHOLE FOR EACH POLE.
10. NO LIGHT POLES SHALL BE INSTALLED WITHIN 5 FEET OF OVERHEAD ELECTRIC CONDUCTORS. IN THE EVENT THAT POLES ARE TO BE INSTALLED WITHIN 10 FEET OF OVERHEAD ELECTRIC CONDUCTORS, THE CONTRACTOR SHALL CONTACT PPL FOR ASSISTANCE IN THE INSTALLATION OF SUCH POLES.
11. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET MANUFACTURER'S REQUIREMENTS. USE PULLING CORD PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY N.E.C. OR N.E.S.C. FOR CABLE USED.
12. 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 IDENTIFICATION TAG DETAIL. TAG SHALL BE PLACED FIVE (5) FEET ABOVE GRADE.
13. JACK AND BORE OPERATIONS, IF USED, SHALL MEET THE REQUIREMENTS OF FOOT'S UTILITY ACCOMODATION GUIDE (LATEST EDITION).
14. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLE FOUNDATIONS AND/OR CONDUIT RUN(S), AS DETERMINED BY THE ENGINEER, THE CONTRACTOR WILL HAND DIG THE FIRST FOUR (4) FEET OF THE HOLE FOR THE POLE FOUNDATION AND/OR THE CONDUIT RUN(S).
15. ALL CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF EACH WORKING DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. THE CONTRACTOR SHALL NOT OPEN ANY AREA THAT CANNOT BE BACKFILLED IN THE SAME DAY/NIGHT OPERATION.
16. THE CONTRACTOR SHALL CONTACT LEE COUNTY DOT REGARDING POLE SEQUENCING NAME AND NUMBER.
17. EXISTING LIGHTING EQUIPMENT POWER SOURCES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION/REMOVAL WORK.
18. CONDUIT LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. CONDUIT MUST BE PLACED WITHIN THE RIGHT-OF-WAY BUT CAN BE ADJUSTED TO FIT AROUND THE EXISTING AND PROPOSED UTILITIES. WHERE PLANNED LOCATION OF LIGHTING CONDUIT RUNS 30" UNDER PAVEMENT IS FOUND TO CONFLICT WITH UNDERGROUND UTILITIES, THE LIGHTING CONDUIT POSITION SHALL BE ALTERED EITHER VERTICALLY OR HORIZONTALLY TO AVOID THE CONFLICT AS RECOMMENDED BY THE ENGINEER. A 24" ABSOLUTE MINIMUM DEPTH SHALL BE MAINTAINED WHERE LIGHTING CONDUITS ARE RELOCATED CLOSER TO THE SURFACE AND SHALL BE PLACED IN AN ADDITIONAL 3" PVC SLEEVE OR BACKFILLED WITH A MIN. OF 4" X 4" OF CONCRETE.
19. CONTRACTOR SHALL PREPARE ACCURATELY DIMENSIONED "AS BUILT" PLANS OF FINAL SERVICE POINT, LOAD CENTER, CONDUIT, CONDUCTOR, POLE AND PULL BOX LOCATIONS. PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.
20. ALL SPLICES SHALL BE MADE IN PULL BOXES ONLY WITH COMPRESSION SLEEVES OR SPLIT BOLT CONNECTORS, PROPERLY SLEEVED AND WATERPROOFED.
21. SPLICES AND CONNECTIONS MADE IN PULL BOXES SHALL BE LIMITED TO THE SERVICE POINT AND CONDUIT JUNCTION WITH MULTI-DIRECTIONAL CONDUITS AS INDICATED ON PLANS. THE CONNECTIONS MADE AT THESE POINTS SHOULD BE PROPERLY TAPED AND HEAT SHRINK TUBES OR CAPS SHALL BE USED TO WATERPROOF THESE CONNECTIONS.
22. INSPECT ALIGNMENT OF EACH INDIVIDUAL POLE AND FIXTURE AS FOLLOWS:
 - POLE ALIGNMENT: WITHIN ONE HALF DEGREE ON VERTICAL +/-, CONFIRM VERTICAL ALIGNMENT, VIEWING FROM ADJACENT SERIES OF POLES, IN BOTH DIRECTIONS.
 - FIXTURE ALIGNMENT: WITHIN ONE DEGREE ON HORIZONTAL +/- UNLESS TILT IS SPECIFIED OTHERWISE IN THE PLANS, USING CALIBRATED LEVEL ALONG BOTH AXES OF CUT-OFF FIXTURE FACE, WITH LENS ONLY.
23. ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUITS PLACED FOR FUTURE USE SHALL HAVE 3/4" POLYESTER CORD PULLED IN PLACE AND CAPPED, WITH ROTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE DUCT MARKER OR PULL BOXES TO MARK ENDS OF EMPTY CONDUITS.
24. MOUNTING HEIGHTS ARE DETERMINED FROM THE BOTTOM OF THE LUMINAIRE VERTICALLY TO PAVEMENT GRADE.
25. THE CONTRACTOR SHALL VERIFY POLE LENGTHS REQUIRED FOR THE CROSS SECTIONS AND OFFSETS IN ORDER TO ACHIEVE THE PROPER MOUNTING HEIGHT FOR EACH LUMINAIRE. THIS VERIFICATION SHALL OCCUR PRIOR TO THE SUBMISSION OF SHOP DRAWINGS (IF APPLICABLE).
26. EXISTING LIGHTING LEVELS AT NIGHT (AS A MINIMUM) TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION THROUGH THE USE OF EXISTING, PROPOSED, AND/OR TEMPORARY LIGHTING.
27. CONTRACTOR SHALL PROVIDE A LIST OF LUMINAIRES TO BE REMOVED TO LEE COUNTY D.O.T. PRIOR TO REMOVAL. LIST BY LOCATION AND BY POLE TAG NUMBER.
28. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITHIN RIGHT-OF-WAY TO THEIR ORIGINAL CONDITION. ANY REQUIRED SOODING SHALL BE WITH SOD OF LIKE KIND TO EXISTING GRASS IN SURROUNDING AREA. SHALL BE

REVISIONS						 Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7862 Matthew C. Tike, P.E., License No. 60250	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING GENERAL NOTES	SHEET NO. L-5
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						80	LEE	195584-2-52-01			

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	M.H.	POLE SETBACK AND NOTES	WORK ITEM	FINAL
P-200		304-52 RL, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-201		303-67 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-202		303-57 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-203		305-92 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-204		305-92 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-205		308-27 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-206		308-27 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-207		400-62 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-208		400-62 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-209		402-97 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-210		405-46 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-211		405-46 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	M.H.	POLE SETBACK AND NOTES	WORK ITEM	FINAL
P-60		334-12 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-61		335-33 LI, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-62		335-33 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-63		338-53 LI, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-64		338-53 RL, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-65		340-08 LI, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-66		340-08 RL, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-67		342-75 LI, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-68		342-75 RL, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-69		345-00 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-70		345-00 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-71		347-44 LI, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-72		347-44 RL, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-73		351-40 LI, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-74		351-40 RL, E SR 80	POLE TOP	400	40	H OFF E.O.T.	75-5H-40	
P-75		353-68 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-76		353-68 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-77		355-85 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-78		355-85 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-79		357-99 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-80		357-99 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-81		360-31 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-82		360-31 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-83		362-69 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-84		362-69 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-85		365-07 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-86		365-07 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
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P-88		367-37 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-89		369-67 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-90		369-67 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-91		372-07 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-92		372-07 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-93		374-37 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-94		374-37 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-95		376-67 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-96		376-67 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-97		378-97 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-98		378-97 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-99		381-27 LI, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	
P-100		381-27 RL, E SR 80	POLE TOP	400	40	20 OFF E.O.T.	75-5H-40	

E.O.T. = EDGE OF TRAVEL

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
COUNTY: LEE
FINANCIAL PROJECT ID: 80
ROAD NO.: 80
PROJECT NO.: 80

201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442
Certificate of Authorization Number: 1882
Matthew C. Tins, P.E., License No. 60280

POLE DATA

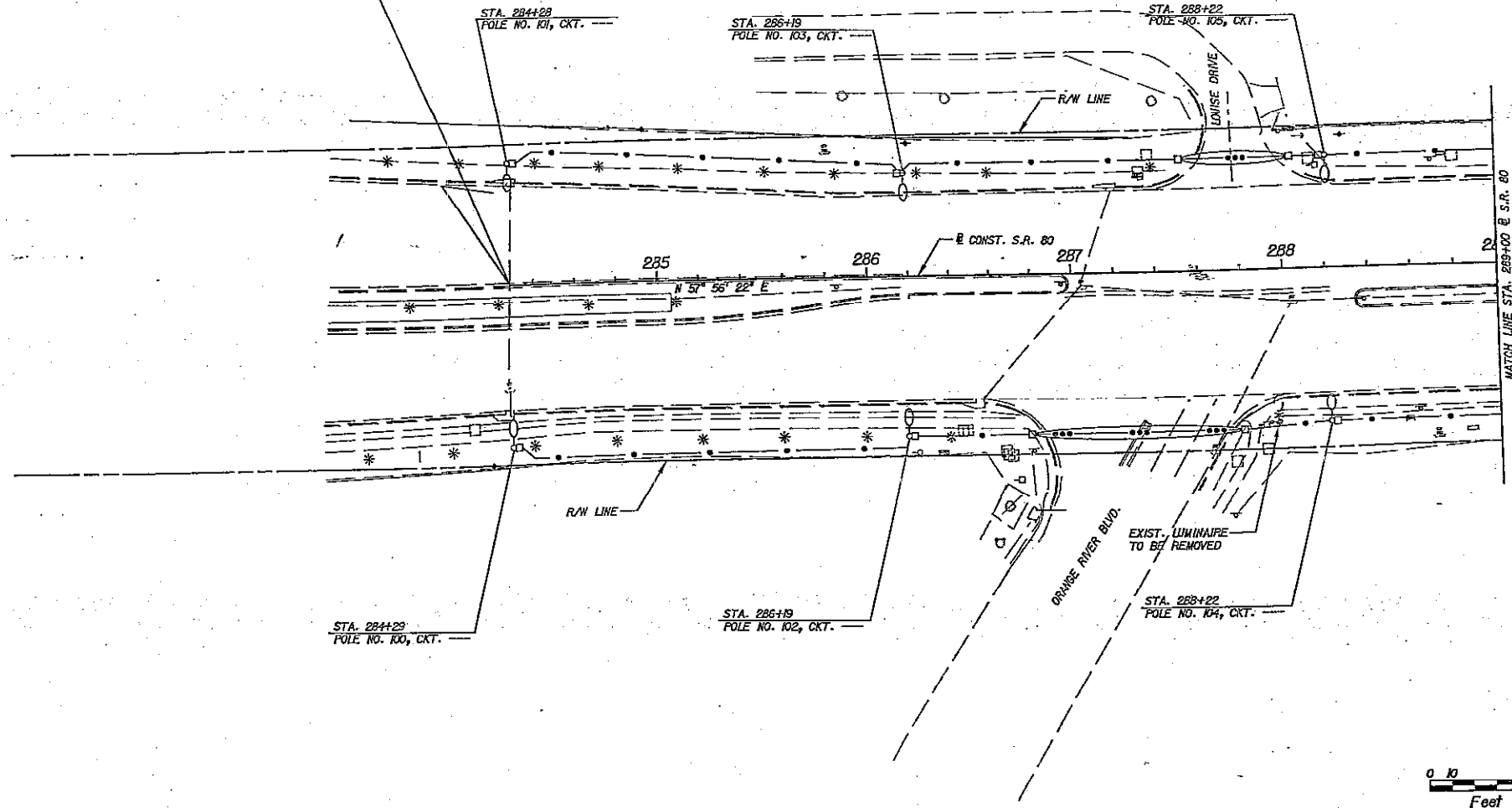
SHEET NO. L-7

01/2020

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BEGIN PROJECT
 BEGIN LIGHTING
 STA. 284+28.00



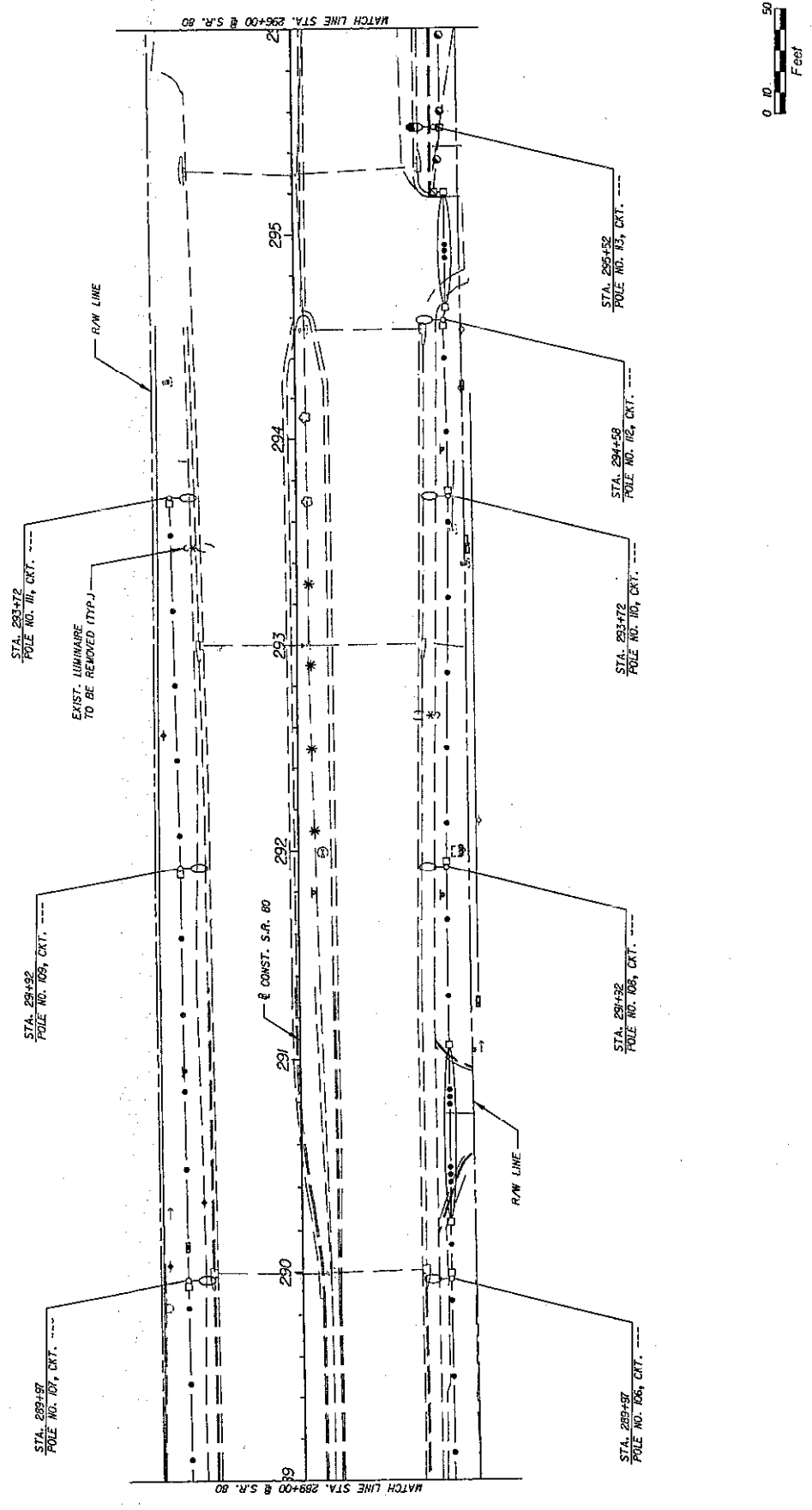
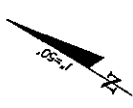
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES Comprehensive Engineering Services, Inc.
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442
 Certificate of Authorization Number: 7882
 Matthew C. Tika, P.E., License No. 60280

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
80	LEE	195584-2-52-01

LIGHTING PLAN

SHEET NO.
 L-8

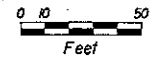
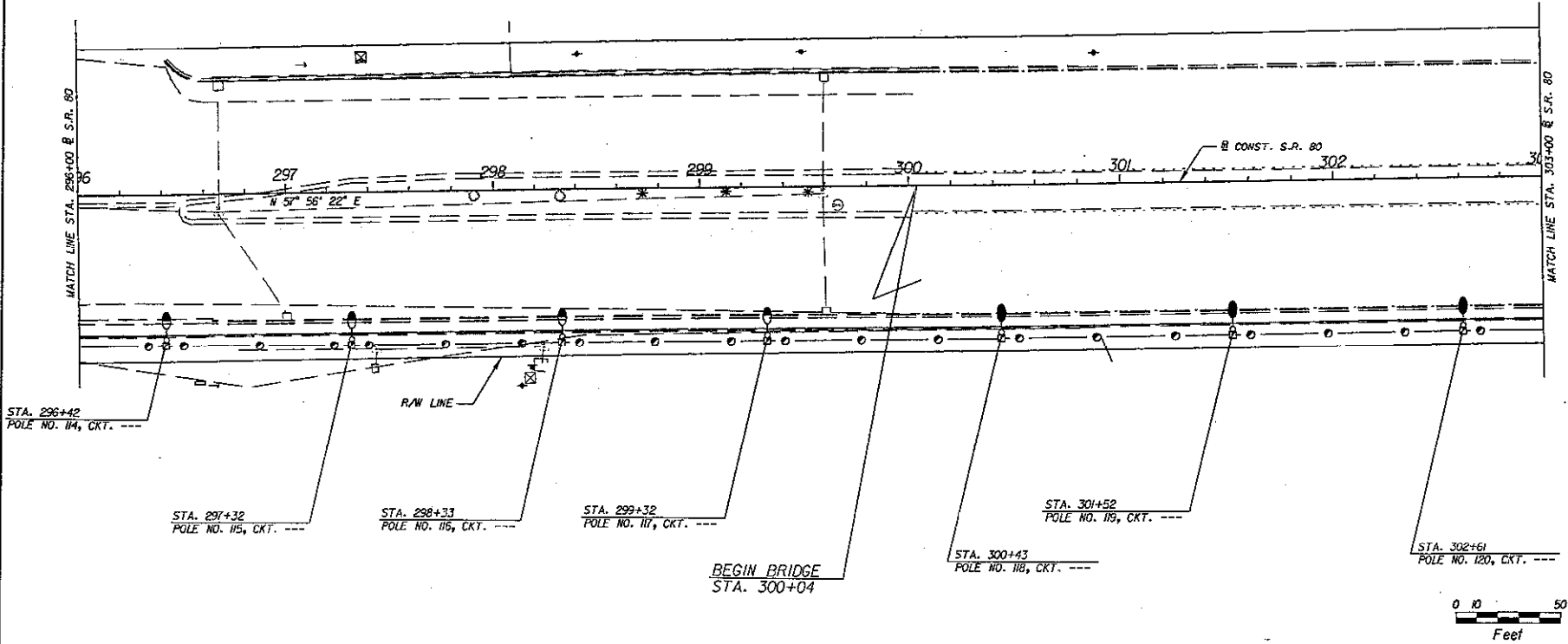
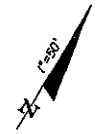


REVISIONS		DESCRIPTION	
DATE	BY	DATE	BY

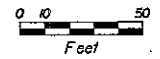
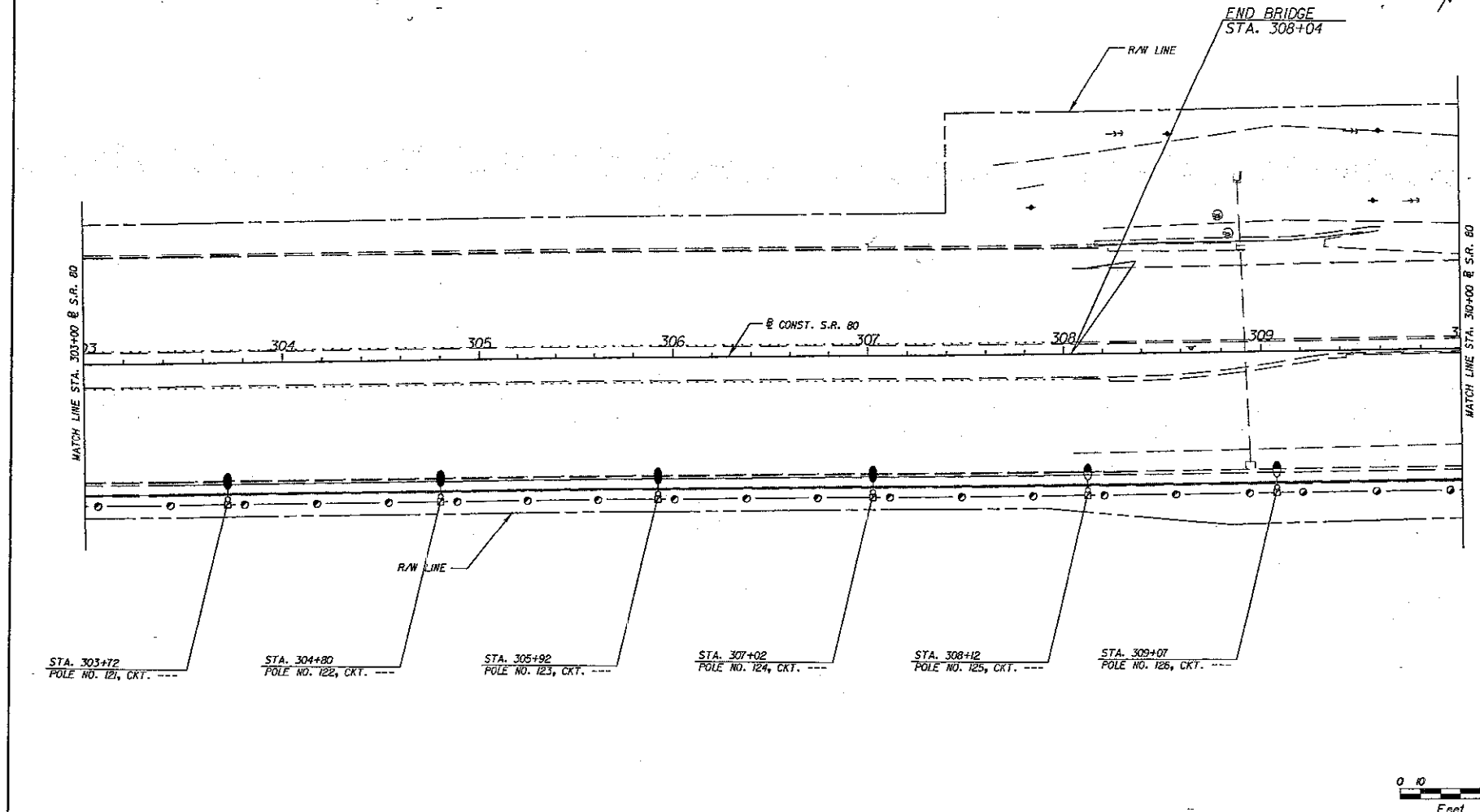
CES Comprehensive Engineering Services, Inc. 201 S Orange Ave. Suite 1300 Orlando, FL 32809-3442 Certificate of Authorization Number: 7882 Matthew C. Tibbs, P.E., License No. 60288		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	SHEET NO. L-9
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LIGHTING PLAN

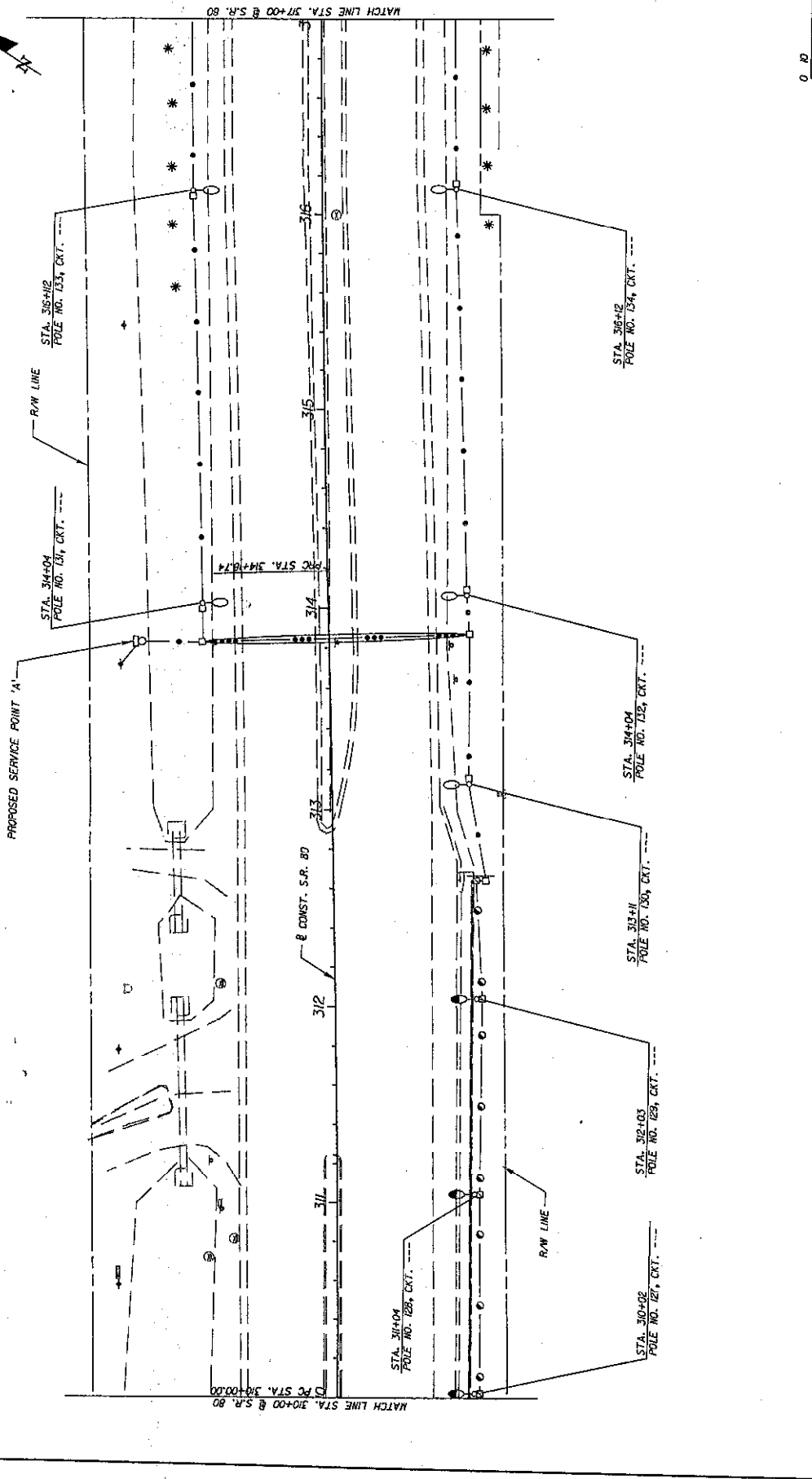
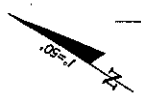
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						80	LEE	195584-2-52-01	LIGHTING PLAN L-10
Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1500 Orlando, FL 32801-3442 Certificate of Authorization Number: 7862 Matthew G. Tike, P.E., License No. 60280									



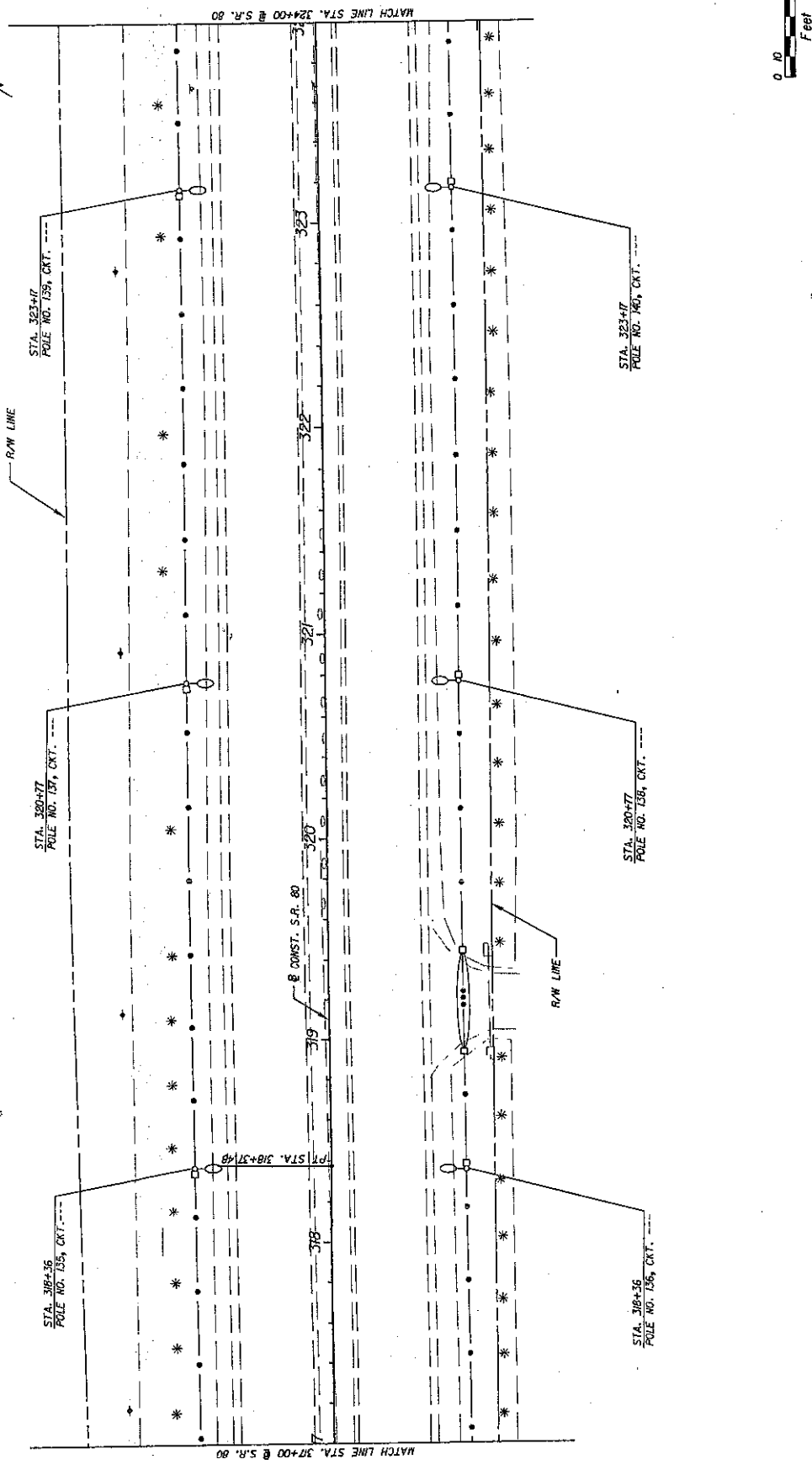
REVISIONS						 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number : 7852 Matthew C. Tike, P.E., License No. 60280	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN SHEET NO. L-II
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						80	LEE	195584-2-52-01		




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

CES Comprehensive Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7868 Matthew C. Tink, P.E., License No. 50260		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE PROJECT ID 195584-2-52-01	SHEET NO. L-12
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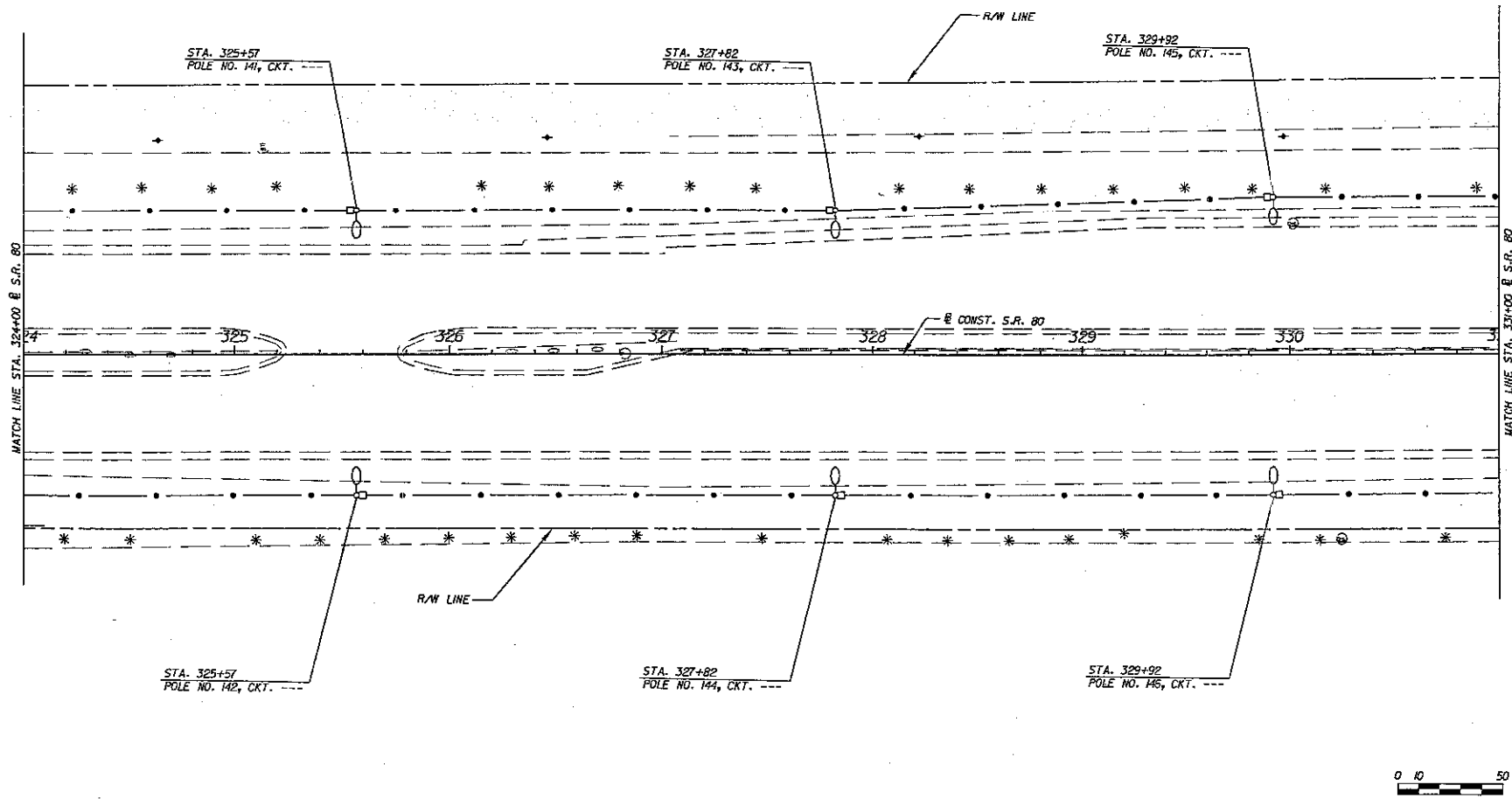
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DATE	BY	DESCRIPTION	DATE

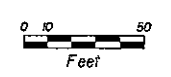
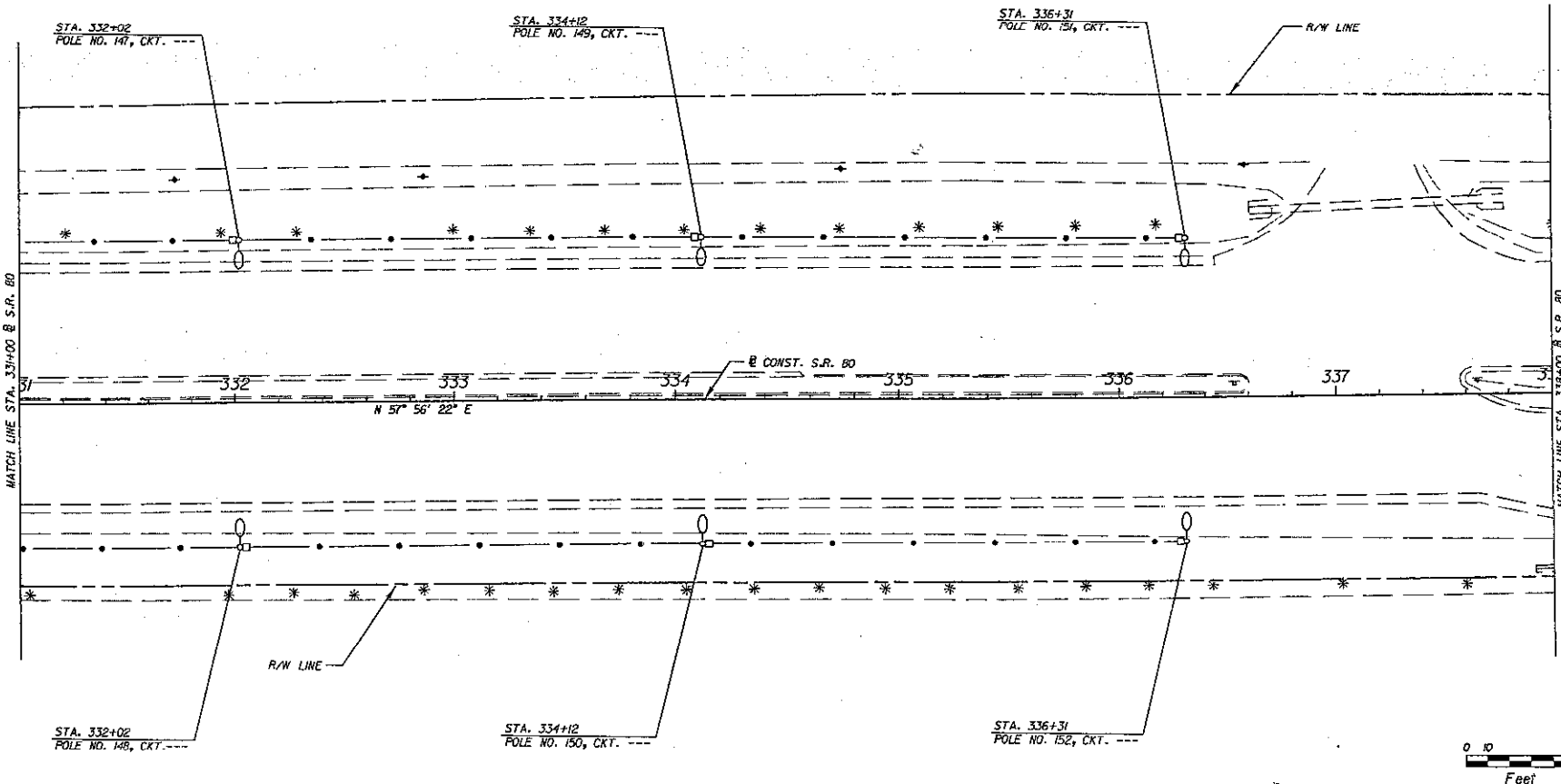
 CES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7182 Matthew C. Tihen, P.E., License No. 60280		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01
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			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN	SHEET NO. L-14
201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7862 Matthew C. Tsika, P.E., License No. 60280			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			80	LEE	195584-2-52-01		



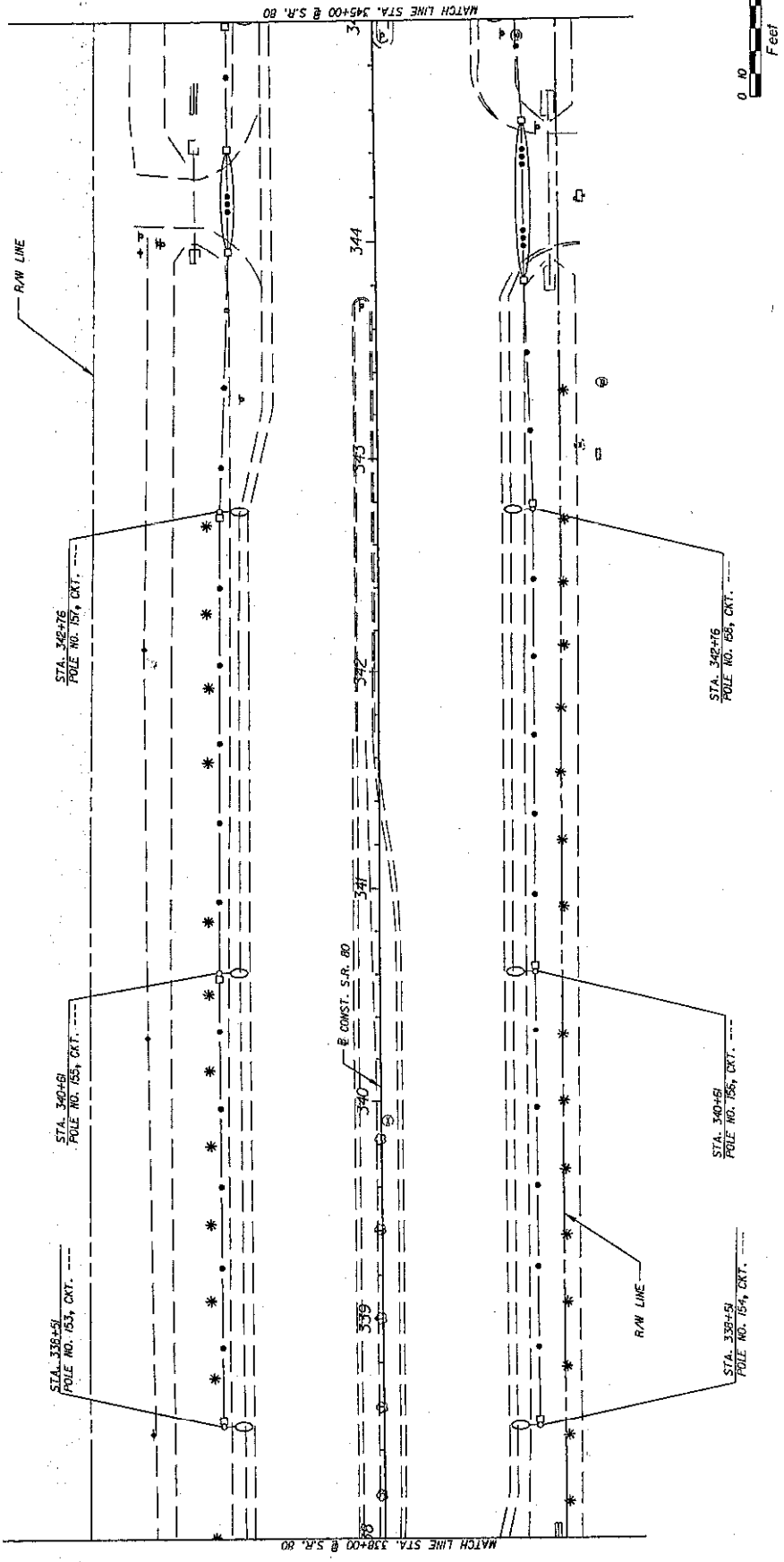
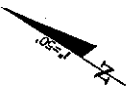
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION


Comprehensive Engineering Services, Inc.
 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442
 Certificate of Authorization Number : 7952
 Matthew C. Tike, P.E., License No. 60280

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
80	LEE	195584-2-52-01

LIGHTING PLAN

SHEET NO.
L-15

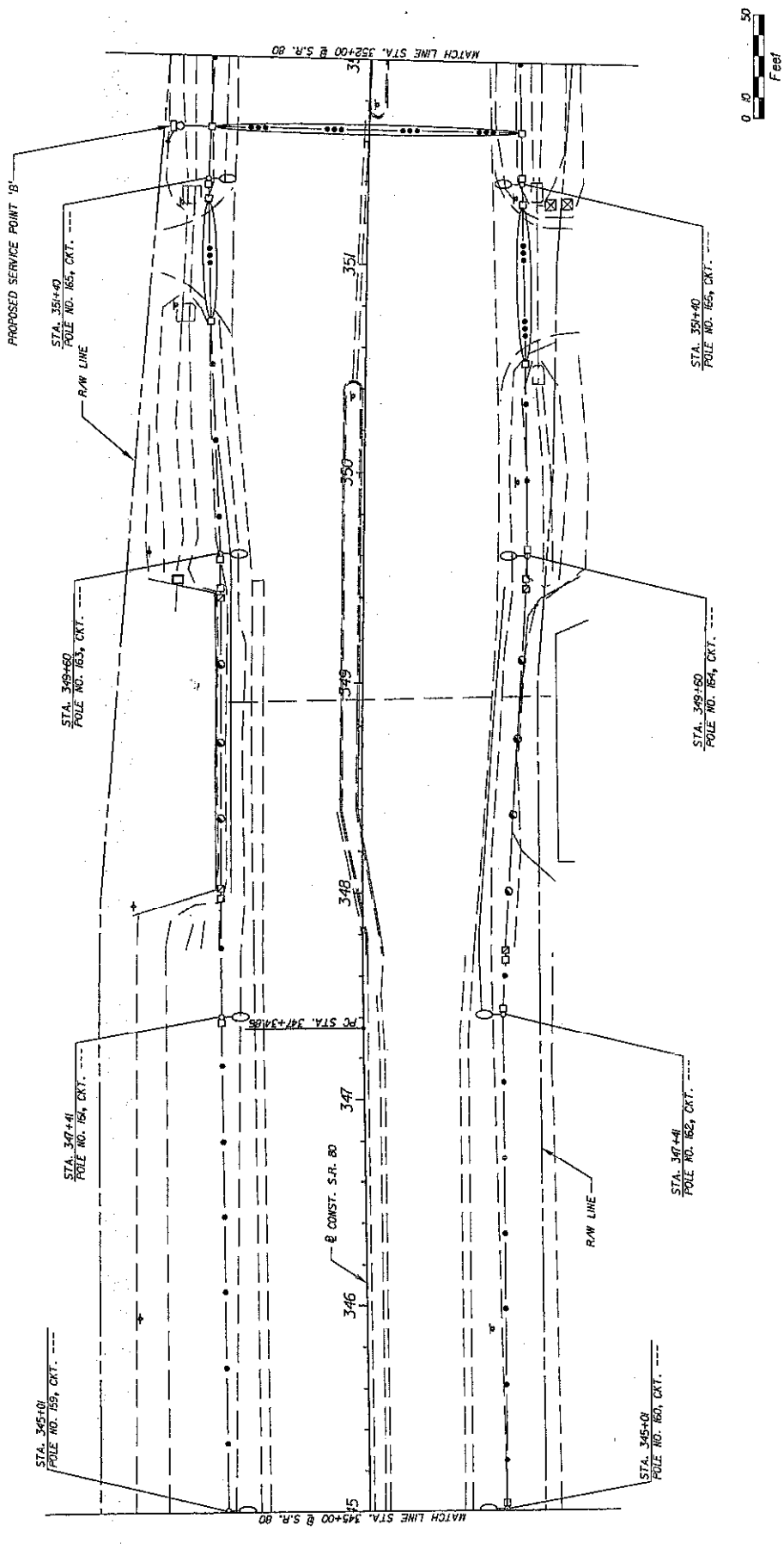


DATE		REVISIONS		DESCRIPTION	
BY	DATE	BY	DATE	DESCRIPTION	DESCRIPTION

<p>CES Comprehensive Engineering Services, Inc. 201 S Orange Ave. Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7862 Matthew C. Ting, P.E., License No. 67029</p>		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	SHEET NO. L-16
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LIGHTING PLAN

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DATE		DESCRIPTION		REVISIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7852 Matthew C. Tibbs, P.E., License No. 60289		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	SHEET NO. L-17
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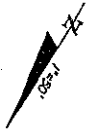
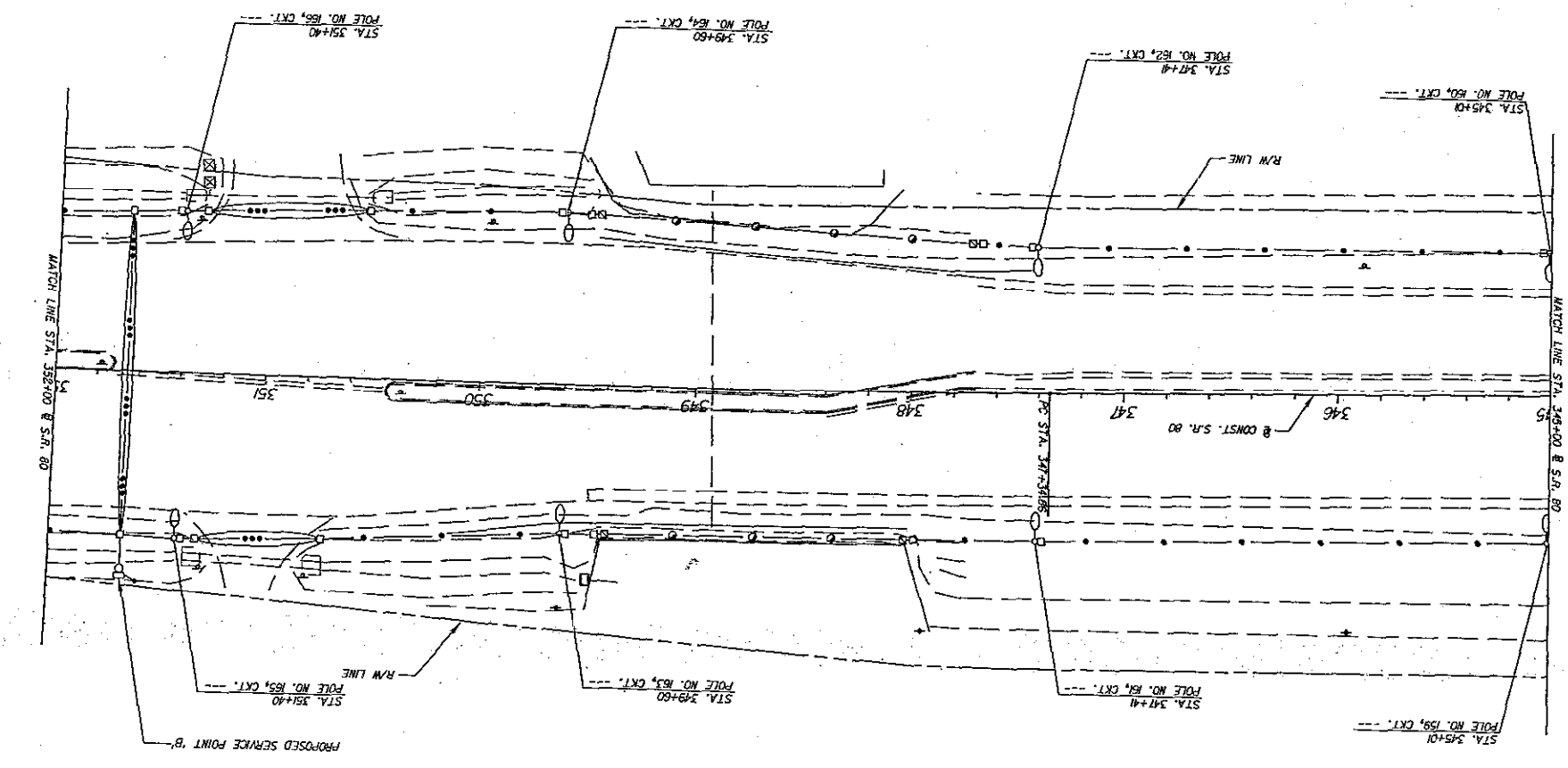
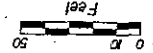
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LIGHTING PLAN

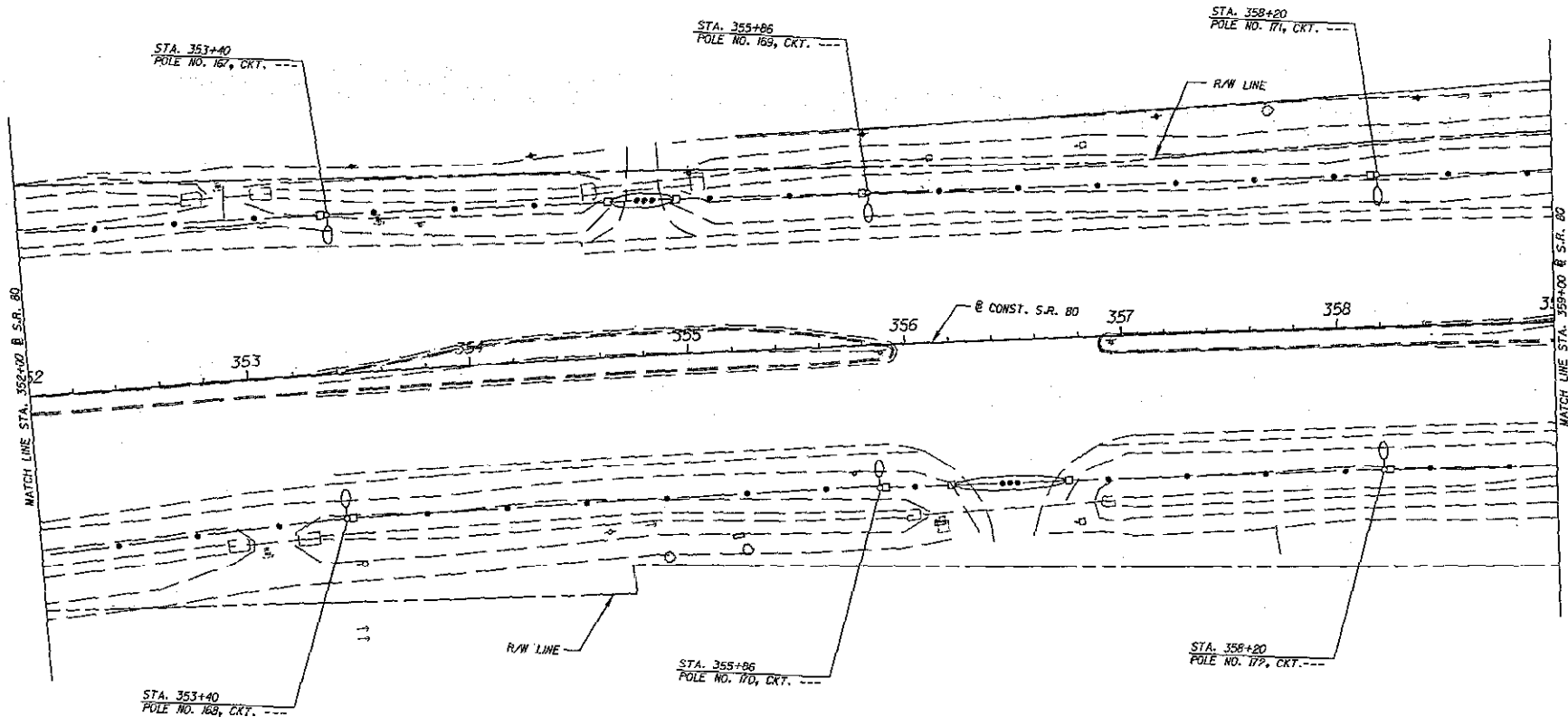
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 FINANCIAL PROJECT ID: 1955B4-2-52-01
 COUNTY: LEE
 ROAD NO.: 80

201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442
 Certificates of Authorization Number: 7882
 Matthew C. Tittel, P.E., License No. 60280
CES
 Comprehensive Engineering Services, Inc.

DATE	BY	DESCRIPTION	REVISIONS



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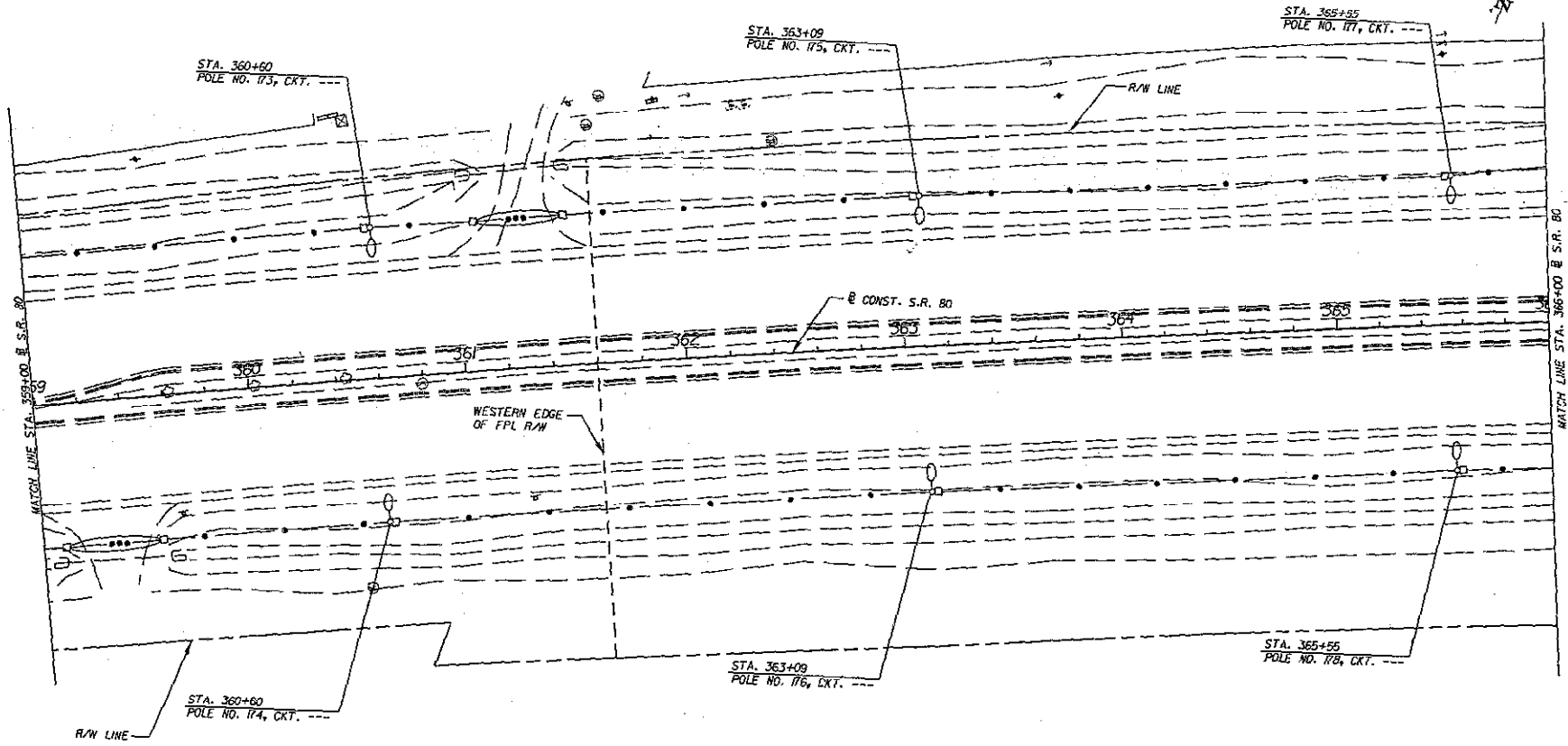


MATCH LINE STA. 352+00 @ S.R. 80

MATCH LINE STA. 359+00 @ S.R. 80

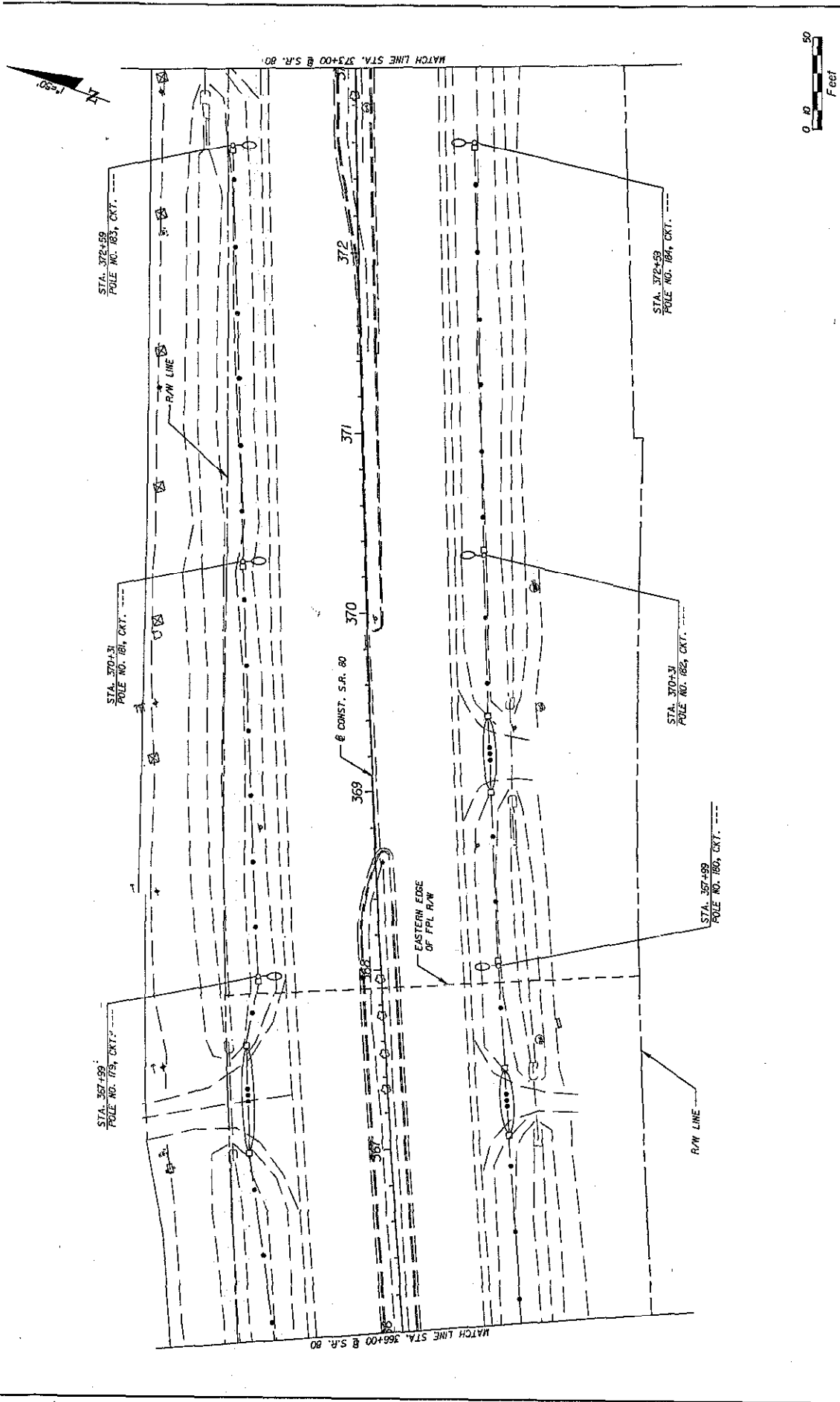


DATE		BY		REVISIONS		DESCRIPTION	 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7862 Matthew G. Tike, P.E., License No. 60280	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			LIGHTING PLAN SHEET NO. L-18
DATE	BY	DATE	BY	DESCRIPTION	ROAD NO.			COUNTY	FINANCIAL PROJECT ID		
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DATE		BY	REVISIONS		DESCRIPTION	
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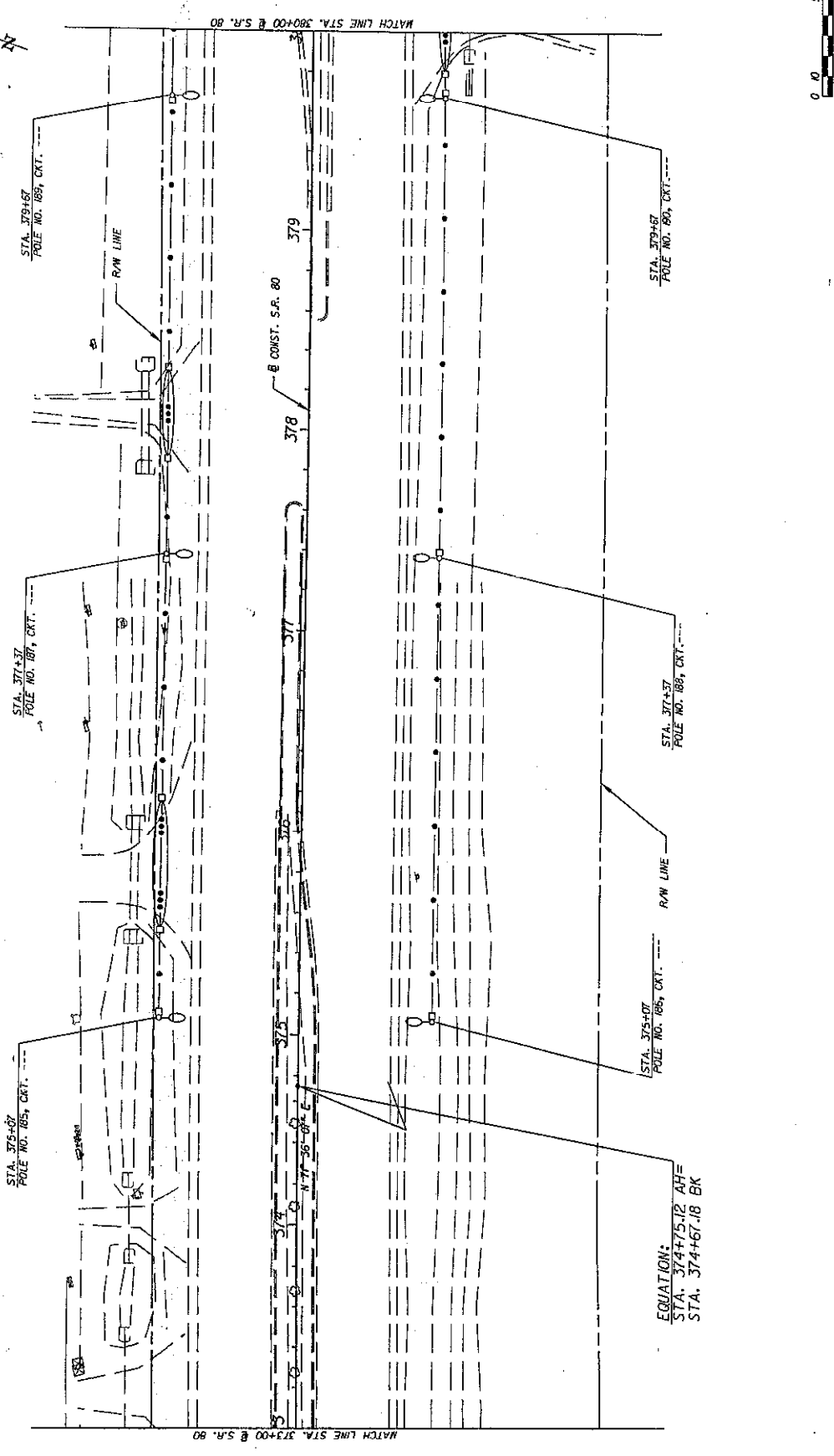
CES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7852 Matthew C. Tilka, P.E., License No. 60280			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	LIGHTING PLAN		
80	LEE	195584-2-52-01	SHEET NO. L-19		



REVISIONS		DESCRIPTION	
DATE	BY	DATE	BY

 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7892 Matthew C. Ties, P.E., License No. 80280		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	SHEET NO. L-20
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MATCH LINE STA. 373+00 B S.R. 80

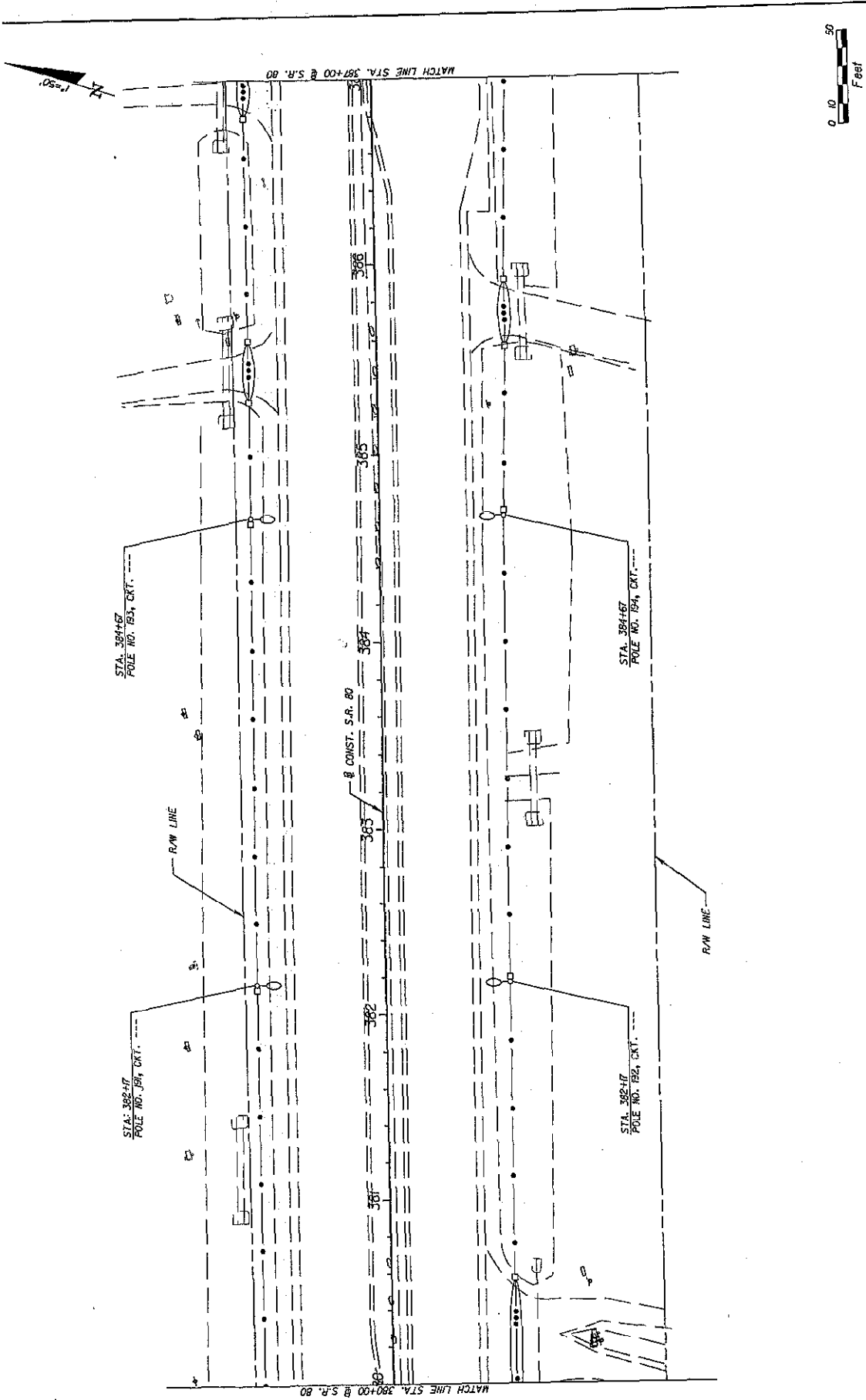
MATCH LINE STA. 380+00 B S.R. 80

EQUATION:
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 STA. 374+67.18 BK

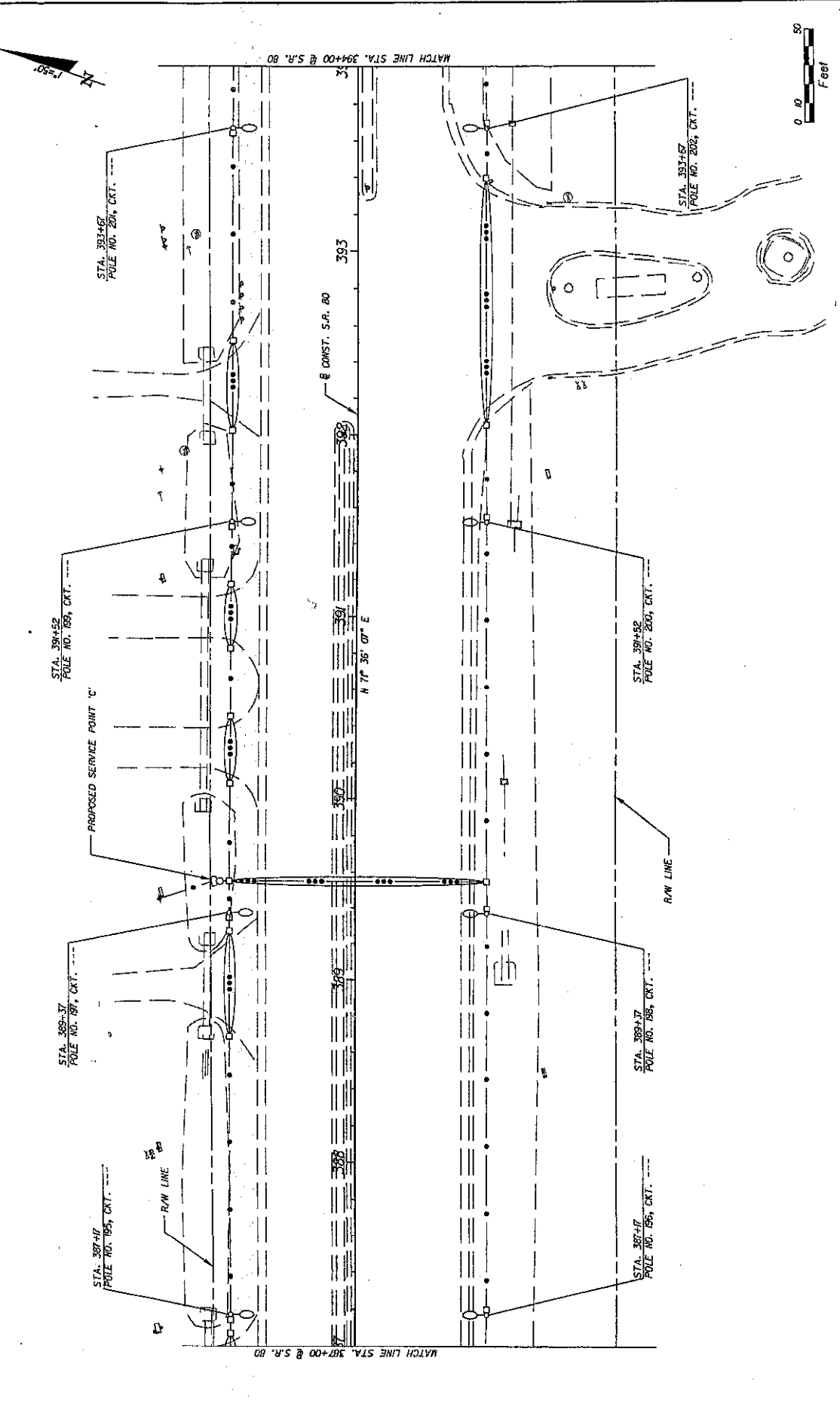
REVISIONS		DESCRIPTION	
DATE	BY	DATE	BY

CES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-9442 Certificate of Authorization Number: 7882 Matthew C. Tiller, P.E., License No. 80280		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	LIGHTING PLAN SHEET NO. L-21
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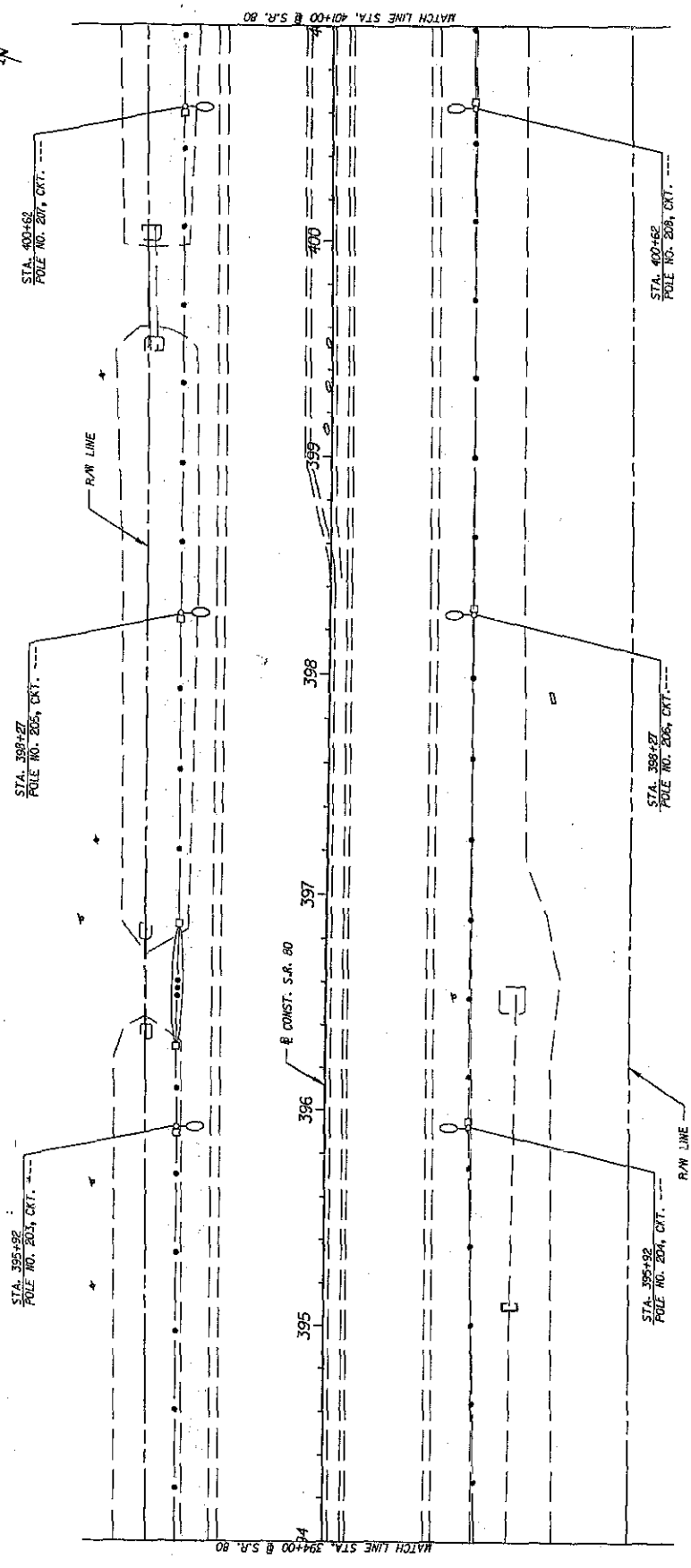
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STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID			
ROAD NO.		GRANT		LEF		195584-2-52-01	
80		LEF					
LIGHTING PLAN <small>DATE: 02/22/03 PROJECT: 195584-2-52-01</small>							
SHEET NO.		L-22					



REVISIONS		DESCRIPTION	
DATE	BY	DATE	DESCRIPTION

 ICES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-4442 Certificate of Authorization Number: 7662 Matthew C. Tiska, P.E., License No. 802960		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	SHEET NO. I-23 PROJECT'S NUMBER: 195584-2-52-01 DATE: 07/2003
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LIGHTING PLAN



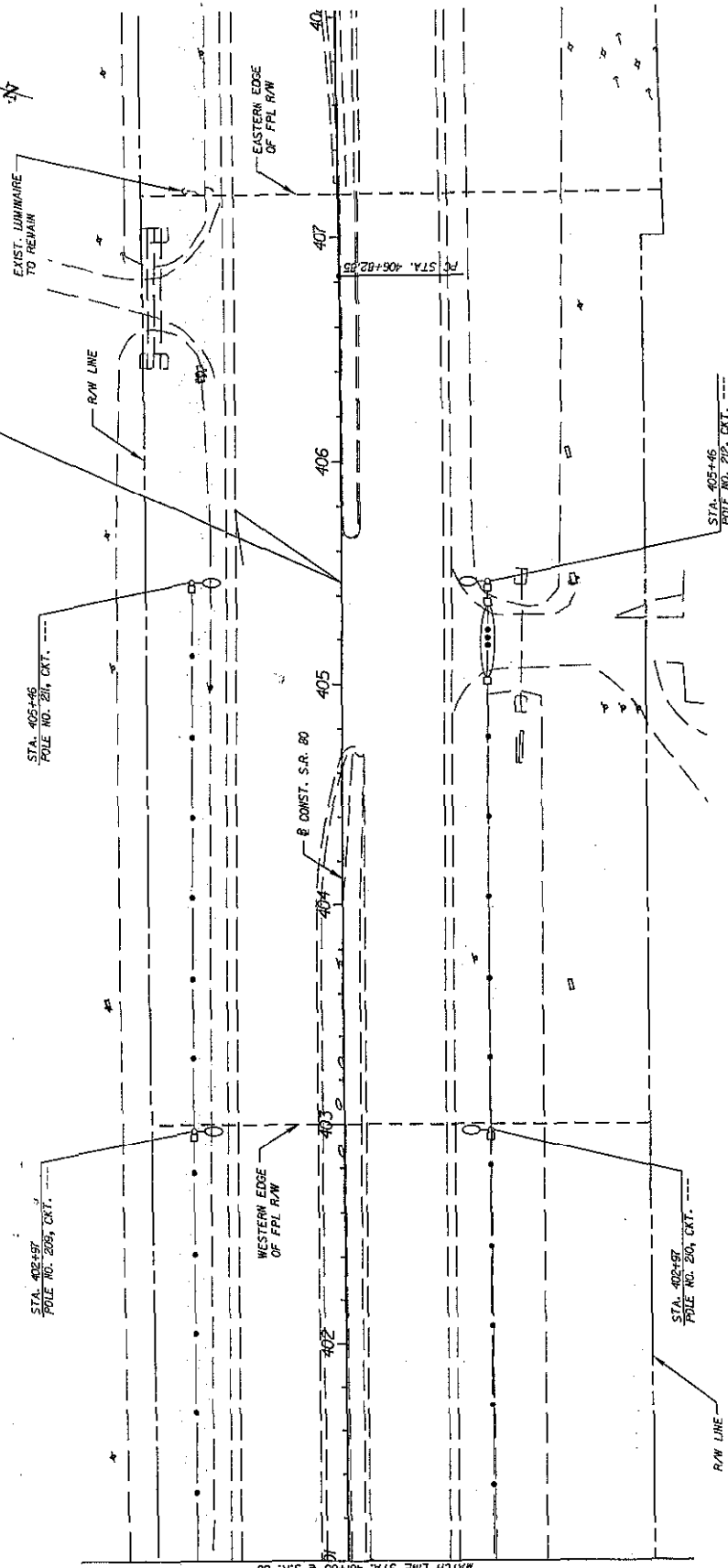
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CES Comprehensive Engineering Solutions, Inc. 201 S Orange Ave. Suite 1000 Orange, FL 32801-3442 Certificate of Authorization Number: 7862 Matthew C. Wess, P.E. License No. 60260		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID: 195584-2-52-01	SHEET NO. L-24
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REVISED 04/17/2003
 PROJECT'S NEEDS IN RESPONSE TO VEHICLE SAFETY



END PROJECT
END LIGHTING
STA. 405+46.00



MATCH LINE STA. 401+00 @ S.R. 80

DATE		BY	DESCRIPTION


STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
COUNTY		PROJECT ID	
80	LEE	195584-2-52-01	

CES Consulting Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7882 Matthew C. Tills, P.E., License No. 80280		ROAD NO. COUNTY LEE	SHEET NO. L-25
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AT PHASE III SUBMITTAL

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

 CES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7882 Matthew C. Taka, P.E., License No. 60280		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE PROJECT ID 195584-2-52-01	SHEET NO. 1-26 SERVICE POINT DETAILS
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GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS
 FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS
 FOR ROAD AND BRIDGE CONSTRUCTION (2004 EDITION) WITH APPROVED
 SUPPLEMENTS THERETO.

DESIGN METHODS:
 LOAD FACTOR DESIGN.
 CONCRETE:

MINIMUM
 28-DAY
 COMPRESSIVE
 STRENGTH

CLASS LOCATION
 IV LIMINAIRE SPREAD FOOTING

$f'_c = 4000$ PSI
 REINFORCING STEEL
 REINFORCEMENT CAN BE EITHER DEFORMED BAR REINFORCEMENT OR WELDED WIRE FABRIC. BAR REINFORCEMENT
 SHALL BE ASTM A615, 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.

LIMINAIRE SPREAD FOOTING NOTES:

1. AT THE CONTRACTOR'S RISK, BASED ON THE EXISTING UTILITIES, HE MAY SUBSTITUTE THE SPREAD FOOTING
 WITH THE DRILL SHAFT AS SHOWN IN INDEX 17505 OF THE DESIGN STANDARDS.
2. THE COST OF THE FOOTING IS INCLUDED IN THE PAY ITEM NUMBER FOR LIGHT POLE COMPLETE.
3. SOIL BELOW FOOTING IS TO HAVE A MINIMUM BEARING CAPACITY OF 2.5 kip/sq ft.

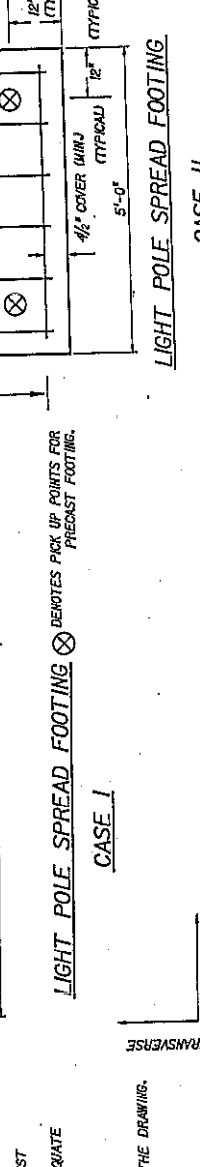
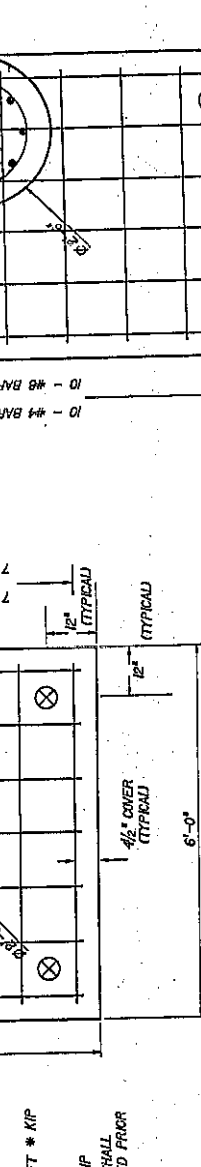
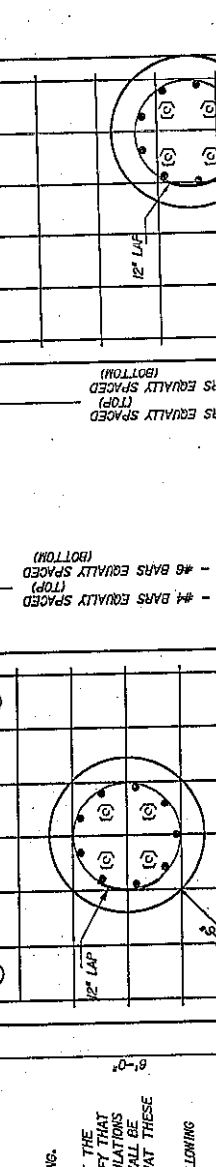
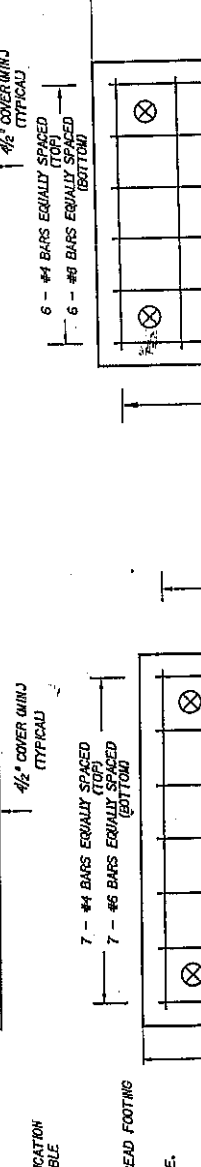
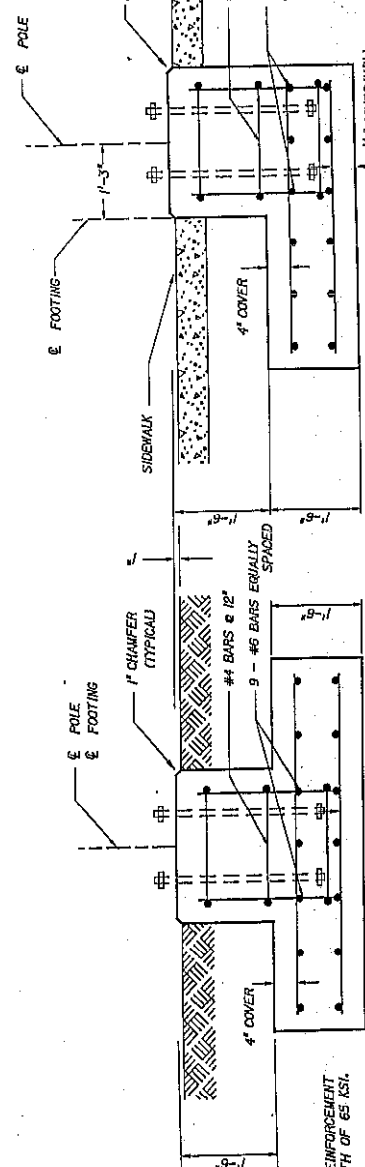
4. ANCHOR BOLTS ARE TO HAVE A MINIMUM 4 1/2 INCHES CONCRETE COVER AT BOTTOM OF FOOTING.
 INCREASE HEIGHT OF PEDESTAL AS REQUIRED TO ACCOMMODATE LONGER BOLTS.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS THAT EFFECTIVELY TRANSMIT THE
 LIGHT POLE LOAD TO THE SHAFT AND THAT FIT THE REINFORCING LAPS. HE MUST ALSO VERIFY THAT
 THE FORCES OF THE LIGHT POLE DO NOT EXCEED THE DESIGN CAPACITY. THIS FURTHER CALCULATIONS
 SHOULD BE MADE BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. THESE
 REQUIREMENTS HAVE BEEN MET PRIOR TO CONSTRUCTION.

6. THE PULL BOX WILL BE INSTALLED ADVANTAGE TO AND NOT ABOVE THE FOOTING, THEREFORE ALLOWING
 ADEQUATE DRAINAGE OF THE PULL BOX.
7. DESIGN LOADS NOT TO EXCEED:
 MOMENT IN TRANSVERSE DIR. = 12.6 FT * KIP
 MOMENT IN LONGITUDINAL DIR. = 16.73 FT * KIP
 TORSION = 1.58 FT * KIP
 AXIAL = 0.26 KIP
 SHEAR IN TRANSVERSE DIR. = 0.25 KIP
 SHEAR IN LONGITUDINAL DIR. = 0.44 KIP

8. ALL CONDUIT SHOULD BE RIGID GALVANIZED STEEL OR SCHEDULE 40 PVC. BENDS IN CONDUIT SHALL
 BE MADE USING A RADIUS NOT LESS THAN 18 IN. LOCATION OF THE CONDUIT SHALL BE VERIFIED PRIOR
 TO CONSTRUCTION. CONDUIT NOT SHOWN FOR CLARITY.

PRECAST FOOTING NOTES:

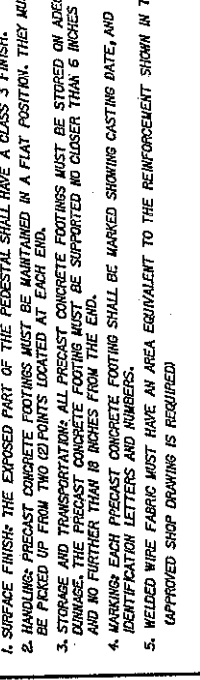
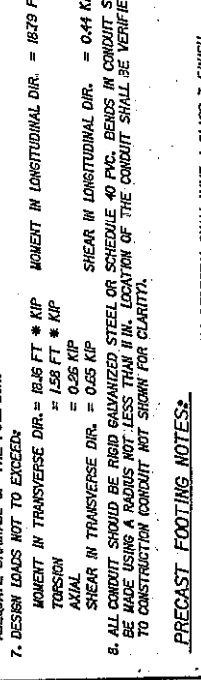
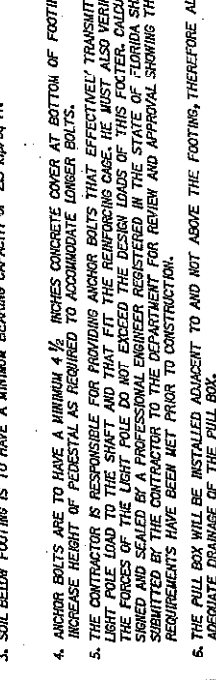
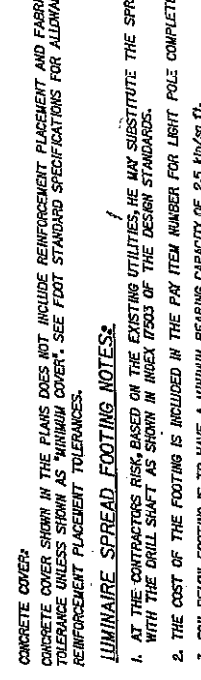
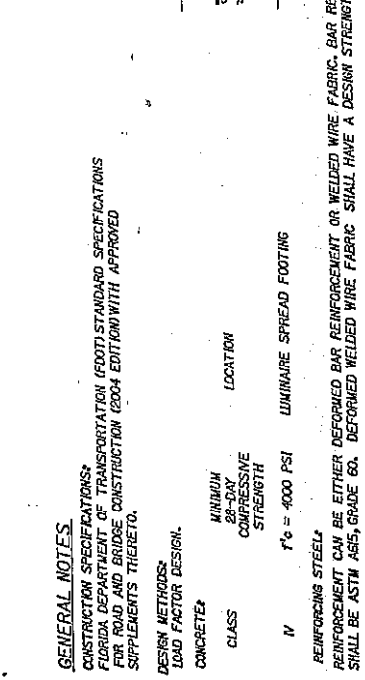
1. SURFACE FINISH: THE EXPOSED PART OF THE PEDESTAL SHALL HAVE A CLASS 3 FINISH.
2. HANDLING: PRECAST CONCRETE FOOTINGS MUST BE MAINTAINED IN A FLAT POSITION. THEY MUST
 BE PICKED UP FROM TWO POINTS LOCATED AT EACH END.
3. STORAGE AND TRANSPORTATION: ALL PRECAST CONCRETE FOOTINGS MUST BE STORED ON ADEQUATE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



LONGITUDINAL
 TRANSVERSE

CASE I
 LIGHT POLE SPREAD FOOTING
 PRECAST FOOTING.

CASE II
 LIGHT POLE SPREAD FOOTING



LONGITUDINAL
 TRANSVERSE

CASE I
 LIGHT POLE SPREAD FOOTING
 PRECAST FOOTING.

CASE II
 LIGHT POLE SPREAD FOOTING

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 CES Comprehensive Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 7892 Matthew C. Tihen, P.E., License No. 66280		DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID 195584-2-52-01	SHEET NO. 1-28
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BRIDGE PILEASTER DETAIL

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TO BE PROVIDED
AT PHASE III SUBMITTAL

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 CES Comprehensive Engineering Services, Inc. 201 S Orange Ave, Suite 1300 Orlando, FL 32801-3442 Certificate of Authorization Number: 1882 Matthew C. Tims, P.E., License No. 00280		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 80 COUNTY LEE FINANCIAL PROJECT ID 195584-2-52-01	RETAINING WALL PLASTER DETAIL	SHEET NO. L-29
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GENERAL NOTES

- Public sidewalk curb ramps shall be constructed in the public right of way at locations that will provide continuous unobstructed pedestrian circulation paths to pedestrian areas, elements and facilities in the public right of way and to accessible pedestrian routes on adjacent sites. Curbed facilities with sidewalks and those without sidewalks are to have curb ramps constructed at all street intersections and at turnoffs that have curbed returns. Partial curb returns shall extend to the limit prescribed by Index No. 515 to accommodate curb ramps. Ramps constructed at locations without sidewalks shall have a landing constructed at the top of each ramp, see Sheet 5.
- The location and orientation of curb ramps shall be as shown in the plans.
- Curb ramps running slopes at unrestrained sites shall not be steeper than 1:12 and cross slope shall be 0.02 or flatter. Transition slopes shall not be steeper than 1:12.
When altering existing pedestrian facilities where existing site development precludes the accommodation of a ramp slope of 1:12, a running slope between 1:12 and 1:10 is permitted for a rise of 6" maximum and a running slope of between 1:10 and 1:8 is permitted for a rise of 3" maximum. Where compliance with the requirements for cross slope cannot be fully met, the minimum feasible cross slope shall be provided.
Ramp running slope is not required to exceed 6' in length, except at sites where the plans specify a greater length.
- If a curb ramp is located where pedestrians must walk across the ramp, then the walk shall have transition slopes to the ramp; the maximum slope of the transitions shall be 1:12. Ramps with curb returns may be used at locations where other improvements provide guidance away from that portion of curb perpendicular to the sidewalk; improvements for guidance are not required at curb ramps for linear pedestrian traffic.
- Curb ramp detectable warning surfaces shall extend the full width of the ramp and in the direction of travel 24" from the back of curb. Detectable warning surfaces shall be constructed by texturing a truncated dome pattern in conformance with U.S. Department of Justice A.D.A. Standards For Accessible Design, A.D.A. Accessibility Guidelines, Section 4.29.2, (detail shown above left). Transition slopes are not to have detectable warnings.
- Unless otherwise called out in the plans, the ramp detectable warning surfaces shall be colored in accordance with Section 331 of the Standard Specifications.
- Where a curb ramp is constructed within existing curb, curb and gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the curb transitions or to the extent that no remaining section of curb or curb and gutter is less than 5' long. The existing sidewalk shall be removed to the nearest joint beyond the transition slope or walk around or to the extent that no remaining section of sidewalk is less than 5' long.
- Alpha-numeric identifications are for reference (plans, permits, etc.).
- Public sidewalk curb ramps are to be paid for as follows:
Ramps, reconstructed sidewalks, walk around sidewalks, sidewalk landings and sidewalk curbs are to be paid for under the contract unit price for Sidewalk Concrete, (Type Thick), 5". Curb transitions and reconstructed curbs are to be paid for under the contract unit price for the parent curb, i.e., Curb Conc. (Type —), LF or Curb and Gutter Conc., (Type —), LF.
When a separate pay item for the removal and disposal of existing curb, curb and gutter, and/or sidewalk is not provided in the plans, the cost of removal and disposal of these features shall be included in the contract unit prices for new curb, curb and gutter and/or sidewalk respectively.

DESIGN NOTES

- The color requirement in General Note 6 is to provide a dark-on-light visual contrast between the detectable warning surface and the adjacent walking surface. Where adjacent walking surfaces are colored or are constructed with materials other than standard Class I Portland Cement Concrete in accordance with Section 522 of the Standard Specifications, the plans must provide for detectable warning surface colors or materials that provide the necessary contrast, either dark-on-light or light-on-dark.

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARD BOOKLETS PUBLISHED IN METRIC UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

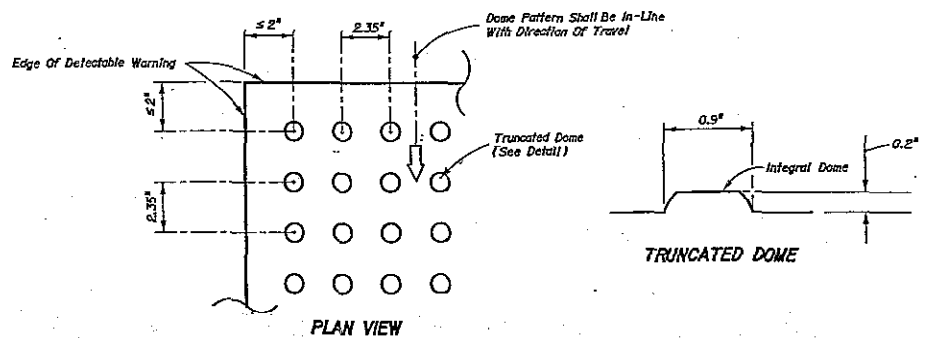
PUBLIC SIDEWALK CURB RAMPS

INTERIM STANDARD

APPROVED BY
David D. Miller
Director, Florida Department of Transportation

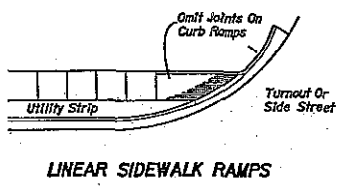
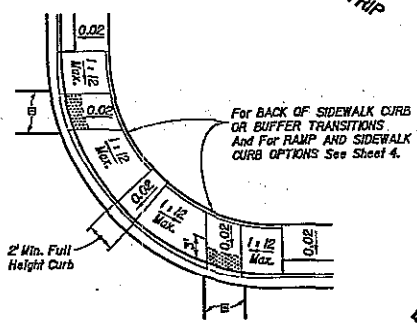
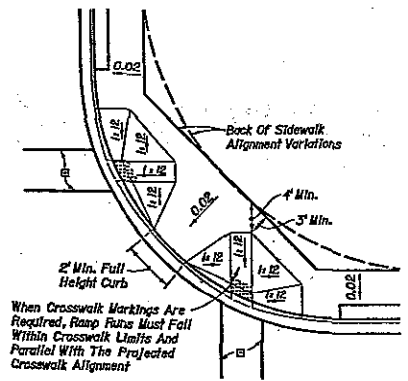
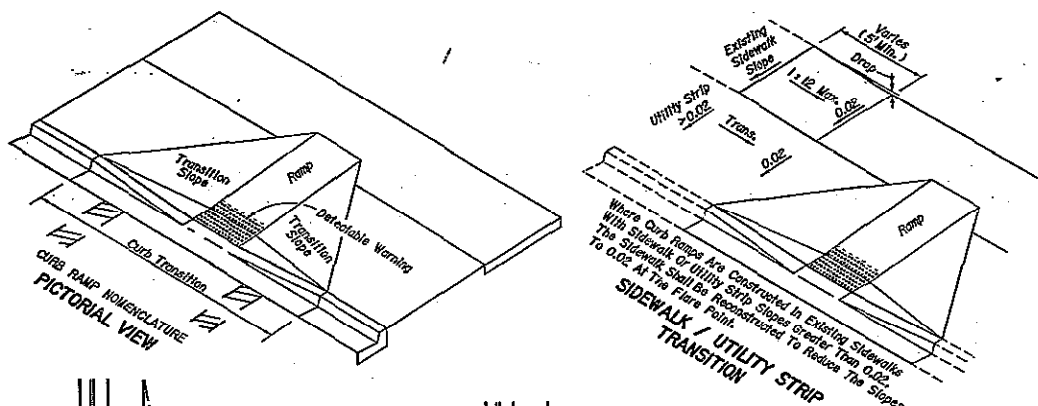
THIS SHEET REPLACES INDEX NO. 304 (SHEET 10F 51 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS BOOKLET DATED JANUARY 2003).

REVISION NO. SHEET NO. INDEX NO.
1 of 5 0304



All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 inches (610 mm) From The Back Of Curb.

CURB RAMP DETECTABLE WARNING



When Crosswalk Markings Are Required, Ramp Runs Must Fall Within Crosswalk Limits And Parallel With The Projected Crosswalk Alignment

□ Crosswalk widths and configuration vary; must conform to Index No. IT344 and IT346.

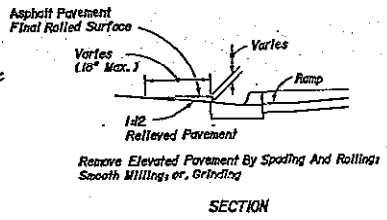
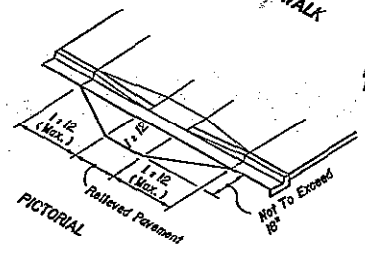
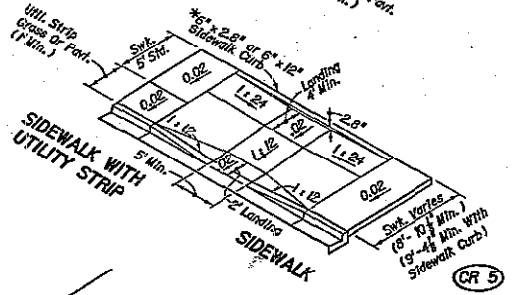
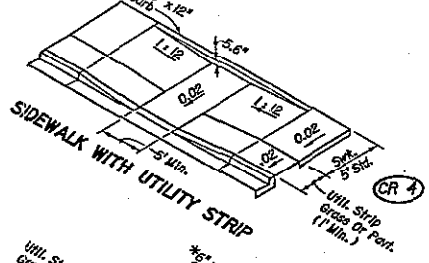
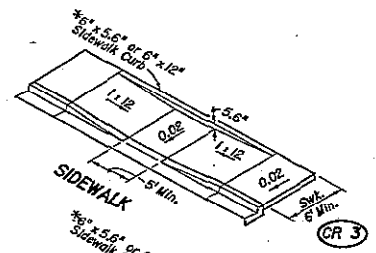
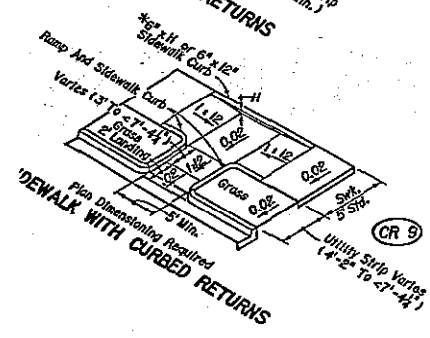
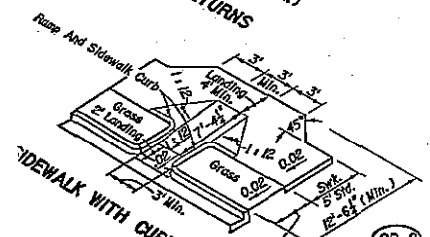
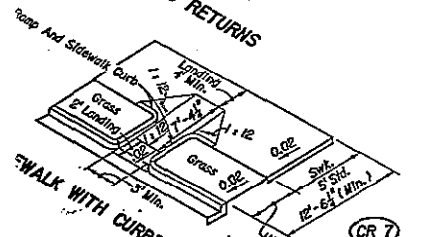
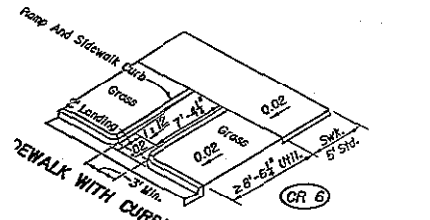
TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS

Notes: A portion of one or both ramps may extend outside the return.

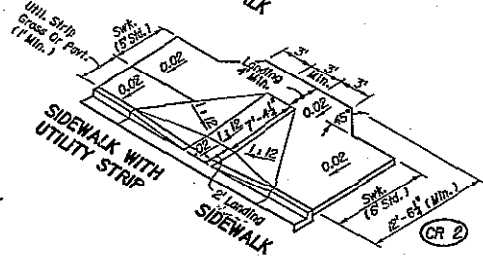
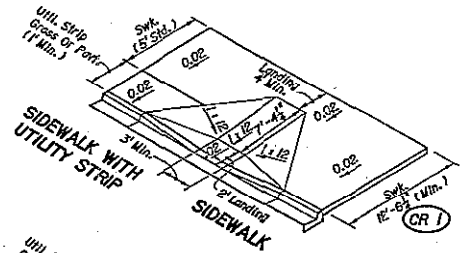
Use of this interim index is discretionary through the December 2002 project letting date; use is mandatory beginning with projects let to contract in January 2003.

Revisions To Index No. 304 (Sheet 1 of 5):
 (a) Note 3, paragraph 1, sentences 3 and 4 - Sentences deleted.
 (b) Note 5 tactile surface references deleted and detectable warning requirements substituted.
 (c) Pictorial View - Ramp surface notation revised.
 (d) CURB RAMP DETECTABLE WARNING detail added.
 (e) Notes 6, 7 & 8; Paragraphs 7, 8 & 9; New Note 6 inserted.
 (f) Design Notes added.

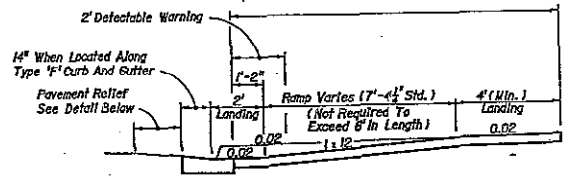
Revised: 7-24-02



PAVEMENT RELIEF AT LIP OF CURB



Varies (12'-6" Shown)



SECTION THROUGH RAMP RUN AND LANDINGS WITH UPPER LANDING AT NORMAL SIDEWALK ELEVATION

* For BACK OF SIDEWALK CURB OR BUFFER TRANSITION And For RAMP AND SIDEWALK CURB OPTIONS See Sheet 4.

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARD BOOKLETS PUBLISHED IN METRIC UNITS.


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PUBLIC SIDEWALK CURB RAMPS

INTERIM STANDARD

APPROVED BY: *James R. Smith*

DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE DIMENSIONS AND LANDING DEPTH ARE NOT RESTRICTED BY RIGHT OF WAY

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
PUBLIC SIDEWALK CURB RAMPS	
INTERIM STANDARD	
APPROVED BY 	
THIS SHEET REPLACES BOOK NO. 204	DESIGN STANDARD BOOKLET DATED JANUARY 2001.
THIS SHEET IS ONE OF 51 OF THIS MANUAL AND TRAFFIC	DESIGN STANDARD BOOKLET DATED JANUARY 2001.
3 OF 5	0304

Revised: 7-24-02

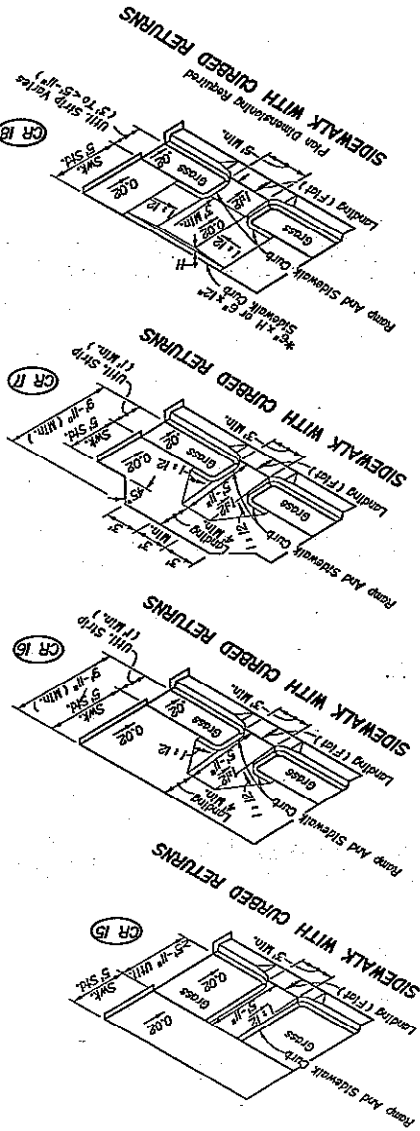
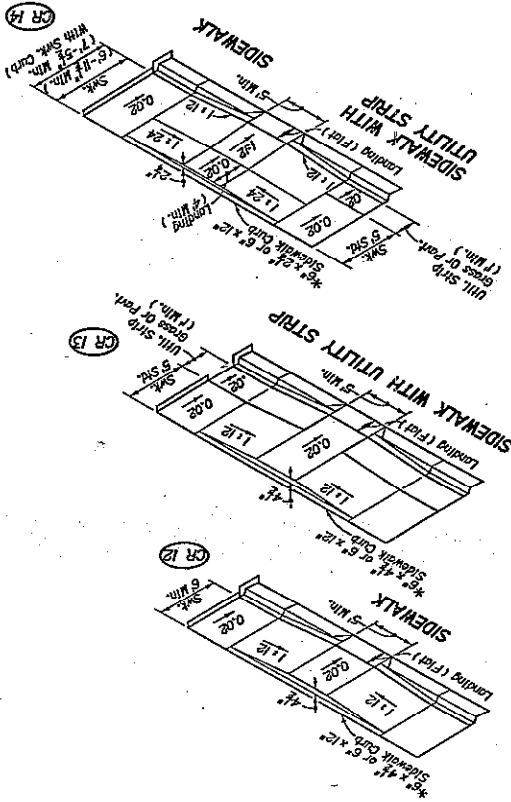
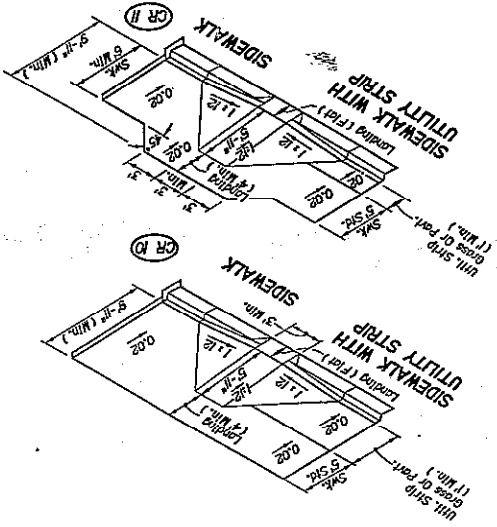
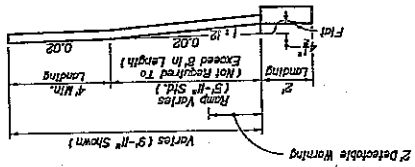
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTH ARE RESTRICTED BY RIGHT OF WAY

THE SEaled RECORD OF THIS STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN OFFICES. THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

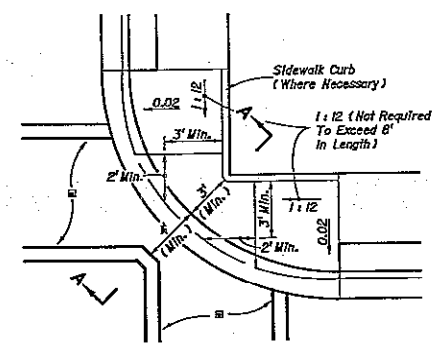
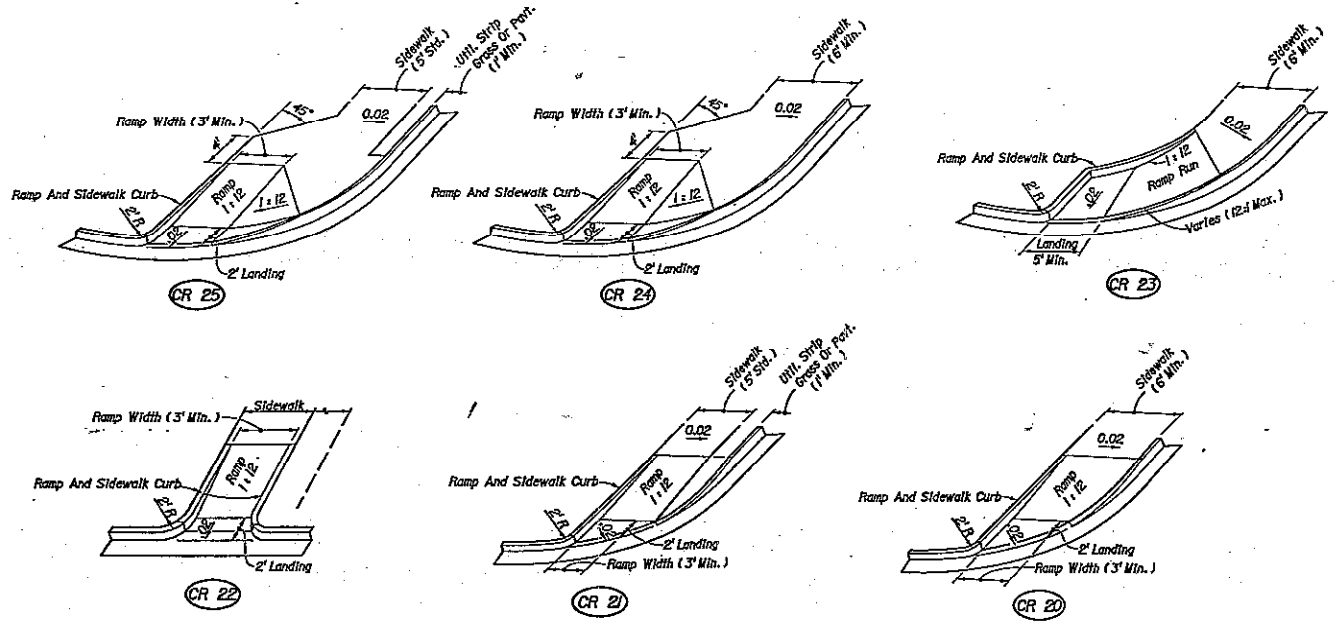
INTERIM STANDARD IN METRIC UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN OFFICES. THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

* FOR BACK OF SIDEWALK CURB OR BUFFER TRANSITION AND FOR RAMP AND SIDEWALK CURB OPTIONS SEE SHEET 4.

SECTION THROUGH RAMP RUN AND LANDINGS WITH UPPER LANDING AT NORMAL SIDEWALK ELEVATION

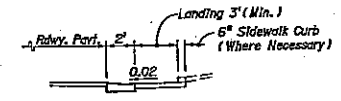


FINANCIAL PROJECT ID	195584-2-52-01
STATE PROJ. NO.	I-32



□ Crosswalk width and configuration vary; must conform to Index No. 17344 and 17346.

PLAN

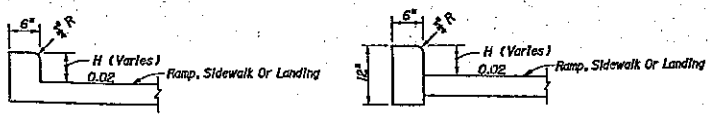


SECTION AA

CR 26

DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC

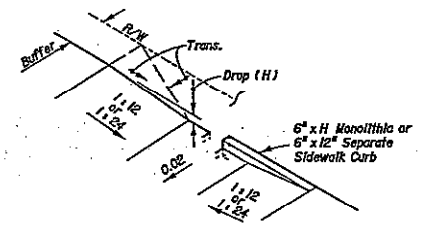
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK COMBINED CORNER RAMPS UNDER CONDITIONS OF INFEASIBILITY



MONOLITHIC CAST CURB

SEPARATELY CAST CURB

RAMP AND SIDEWALK CURB OPTIONS



Construct Sidewalk Curb in Absence Of Adequate Buffer, Maintainable Surface Contour, Abutting Structure, Or When Called For In The Plans Or Standards

BACK OF SIDEWALK CURB OR BUFFER TRANSITION

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARD BOOKLETS PUBLISHED IN METRIC UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
PUBLIC SIDEWALK CURB RAMPS			
INTERIM STANDARD		APPROVED BY: <i>[Signature]</i>	
THIS SHEET REPLACES INDEX NO. 204 (SHEET 4 OF 5) OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS, BOOKLET DATED JANUARY 1990.			
REVISION NO.	SHEET NO.	PAGE NO.	
	4 of 5	0304	

Revised: 7-24-02

5' Refuge With Maximum Slope of 0.02 Must Be Provided When Slopes of 0.05 or Flatter And 5' in Length are Not Available on Crosswalks. Where Available, Slopes of 0.05 or Flatter Can Be Constructed at the Centerline of the Crosswalk. Slopes of 0.02 Can Be Constructed Adjacent to the Crosswalk.

Cross Walk (Concrete Sidewalk, 4'±)

Roadway Pavement

Elevation

Slope Vertices (0.02 Slope 1:12 Max.)

5' Refuge With Maximum Slope of 0.02 Must Be Provided When Slopes of 0.05 or Flatter And 5' in Length are Not Available on Crosswalks. Where Available, Slopes of 0.05 or Flatter Can Be Constructed at the Centerline of the Crosswalk. Slopes of 0.02 Can Be Constructed Adjacent to the Crosswalk.

SECTION CC

MEDIAN CROSSWALKS

Curb Transition (On Existing Facilities Remove And Reconstruct Curb Or Curb And Gutter) For Pavement See General Note 9.

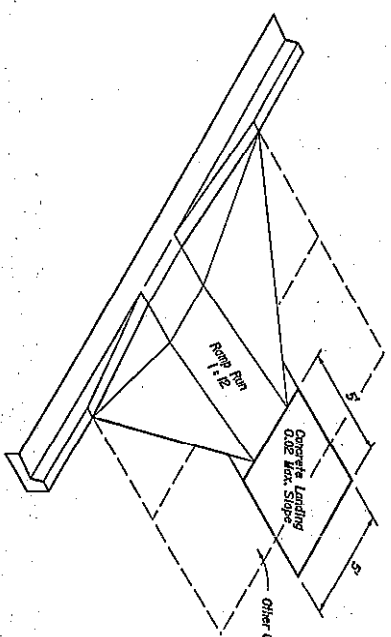
2' Curb Transition

5' Concrete Sidewalk

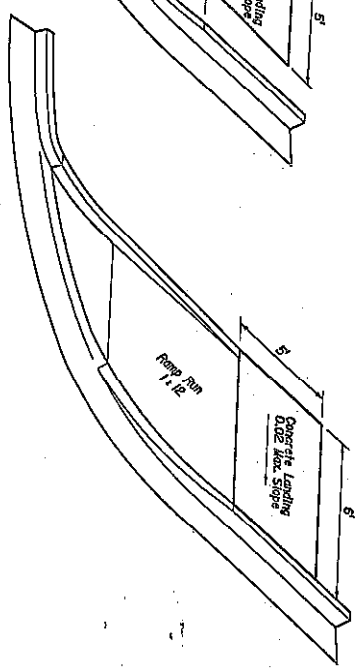
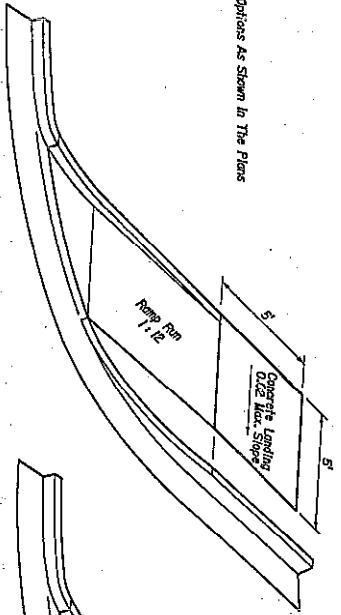
Median

Curb Types A or B or Curb & Gutter Types E (Curb And Gutter Type E Storm)

PLAN



Other Options As Shown In The Plans



LANDINGS FOR RAMPS WITHIN PUBLIC RIGHT OF WAY CONSTRUCTED AT LOCATIONS WHERE FUTURE SIDEWALKS ARE PROPOSED, WHERE STABLE SURFACES OTHER THAN SIDEWALKS ARE PART OF A CONTINUOUS PASSAGE OR WHERE A CURB FALLS ALONG THE CIRCULATION PATH TO PEDESTRIAN ROUTES ON ADJACENT SITES

Revised: 01-30-03

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
PUBLIC SIDEWALK CURB RAMPS	
INTERIM STANDARD	APPROVED BY: <i>[Signature]</i>
THIS SHEET REPLACES ROAD NO. 304 (SHEET 5 OF 5) OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS MANUAL DATED JANUARY 2004.	
ATTACHED TO: ROADWAY DESIGN STANDARDS MANUAL	DATE: 0304
5 OF 5	

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARDS BOOKLETS PUBLISHED IN METRIC UNITS.

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE. INTERIM STANDARDS IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARDS BOOKLET'S PUBLISHED IN METRIC UNITS.

CONCRETE SIDEWALK

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERIM STANDARD

APPROVED BY

THIS WORK IS A REPLACEMENT FOR INDEX NO. 300 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS. BOOKLET DATES JANUARY 2001.

Revised: 7-24-02

0310

CONCRETE SIDEWALK FOR CURBED ROADWAYS

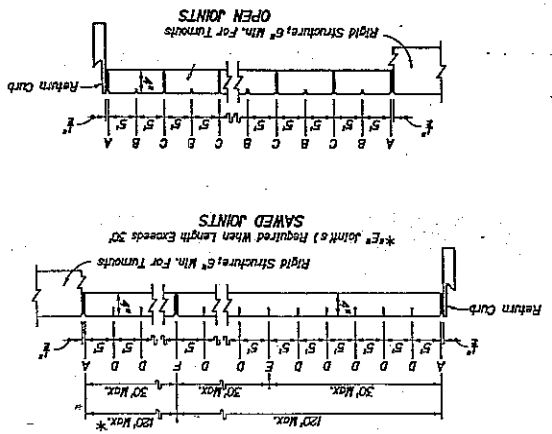
1. Sidewalks shall be constructed in accordance with Section 522 of the FDOT Standard Specifications except for public sidewalk curb ramp which shall be finished in accordance with Index No. 304.
2. Bond breaker material can be any impermeable coating or sheet membrane or performed material having a thickness of not less than 6 mils nor more than 1/8".
3. For public sidewalk curb ramps see Index No. 304.
4. For turnouts see Index No. 515.
5. Sidewalk shall be paid for under the contract unit price for Sidewalk Concrete (--- Thick), S.Y.

NOTES FOR CONCRETE SIDEWALK ON CURBED ROADWAYS

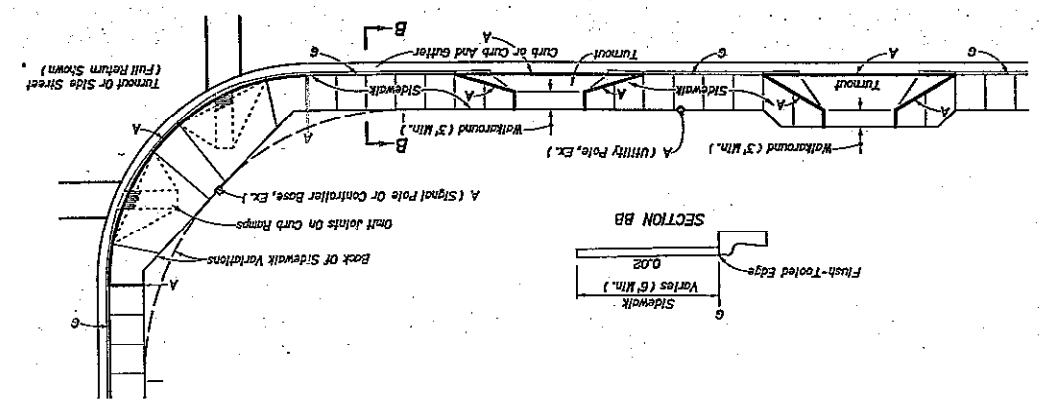
- A - Expansion Joints (Preformed Joint Filler)
 - B - Dummy Joints, Tooled
 - C - Formed Open Joints
 - D - Saw Cut Joints, 1/2" Deep (96 Hour) Max. 5' Centers
 - E - Saw Cut Joints, 1/2" Deep (12 Hour) Max. 20' Centers
 - F - Expansion Joint When Run of Sidewalk Exceeds 120'
- Investigate locations when called for in the plans or at locations as directed by the Engineer.
- G - Cold Joint With Bond Breaker, Tooled

JOINT LEGEND

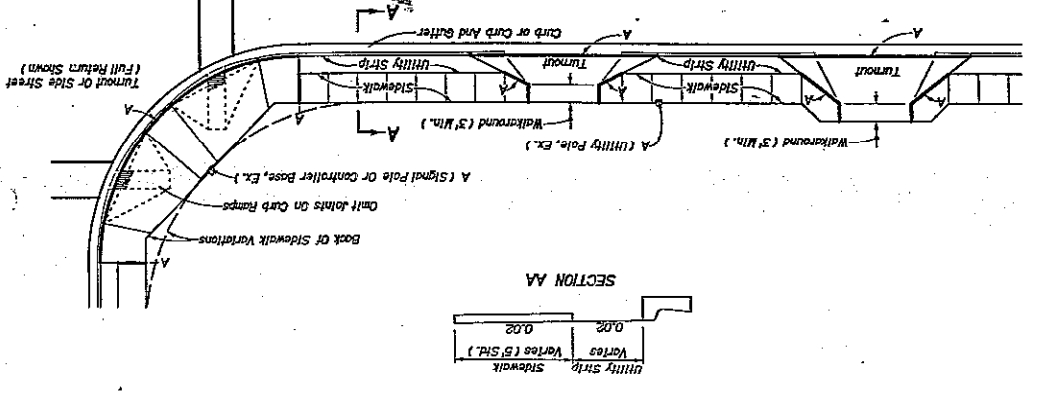
LONGITUDINAL SECTION EXAGGERATED SCALE SIDEWALK JOINTS



SIDEWALK WITHOUT UTILITY STRIP



SIDEWALK WITH UTILITY STRIP



Revised: 7-24-02

0310

APPROVED BY

THIS WORK IS A REPLACEMENT FOR INDEX NO. 300 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS. BOOKLET DATES JANUARY 2001.

CONCRETE SIDEWALK

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

INTERIM STANDARD

APPROVED BY

THIS WORK IS A REPLACEMENT FOR INDEX NO. 300 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS. BOOKLET DATES JANUARY 2001.

Revised: 7-24-02

0310

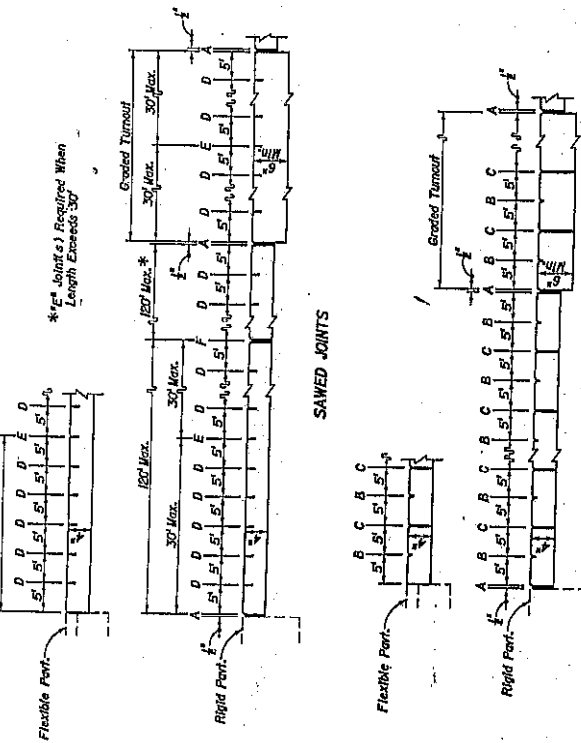
NOTES FOR CONCRETE SIDEWALKS ON UNCURBED ROADWAYS

1. Sidewalks shall be constructed in accordance with Section 522 of the FOOT Standard Specifications.
2. Sidewalks adjoining driveways 24' and wider, right in-right out composite driveways and side roads and streets shall be constructed with a warning surface that extends the full width of the sidewalk and in the direction of travel 24' (60' max.) from the edge of driveways and edge of side roads and streets. Detectable warning surfaces shall conform to the requirements described in the General Notes on Interim Index No. 0300.
3. For sidewalks continuous through driveways, detectable warning surfaces are not required.
4. Sidewalk shall be paid for under the contract unit price for Sidewalk Concrete (1" Thick), SY.

For turnouts continuous through driveways, detectable warning surfaces are not required.

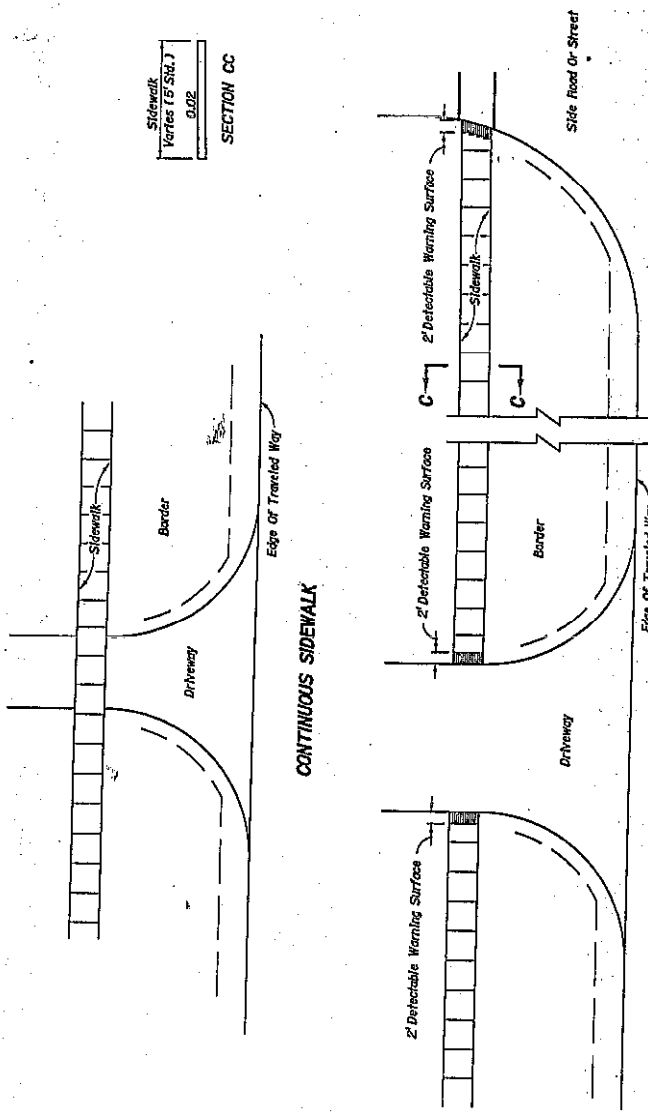
3. For turnouts see Index No. 515.

4. Sidewalk shall be paid for under the contract unit price for Sidewalk Concrete (1" Thick), SY.



LONGITUDINAL SECTIONS
SIDEWALK JOINTS

- JOINT LEGEND**
- A - Expansion Joints (Preformed Joint Filler)
 - B - Dummy Joints, Tooled
 - C - Formed Open Joints
 - D - Saw Cut Joints, 1/2" Deep (96 Hour) Max. 5' Centers
 - E - Saw Cut Joints, 1/2" Deep (12 Hour) Max. 30' Centers
 - F - Expansion Joint When Run Or Sidewalk Exceeds 120' Intermediate locations when called for in the plans or as directed by the Engineer.



DISCONTINUOUS SIDEWALK
PLAN

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONCRETE SIDEWALK

INTERIM STANDARD

APPROVED BY: [Signature]

THIS INDEX IS A REPLACEMENT FOR INDEX NO. 515 OF THE ROADWAY AND TRAFFIC DESIGN STANDARD BOOKLETS DATED JANUARY 2002.

2 of 2 0310

CONCRETE SIDEWALK FOR UNCURBED ROADWAYS

Revised: 7-24-02