

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

Blue Sheet No. 20031127

1. REQUESTED MOTION:

ACTION REQUESTED:

Approve the Roadway Lighting System Agreement with the Florida Department of Transportation for roadway lighting on SR 739, Business US 41, from US 41, at Alico Road, to north of CR 865, Ben C. Pratt/Six Mile Cypress 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 SR 739, from US 41 to north of CR 865, Ben C. Pratt/Six Mile Cypress Parkway.

2. DEPARTMENTAL CATEGORY:

COMMISSION DISTRICT #

C9B

3. MEETING DATE:

12-16-2003

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 SR 739, from US 41 to north of CR 865, Ben C. Pratt/Six Mile Cypress 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. This project would extend the existing lighting system from Ben C. Pratt/Six Mile Cypress Parkway to US 41.

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>11/22/03</i> <i>[Signature]</i>	<i>N/A CL</i> <i>NO COST</i>	<i>N/A</i>		<i>[Signature]</i>	<i>OA</i> <i>[Signature]</i> <i>11/25/03</i>	<i>DM</i> <i>[Signature]</i> <i>11/25/03</i>	<i>Risk</i> <i>[Signature]</i> <i>11/25/03</i>	<i>GC</i> <i>[Signature]</i> <i>11/25/03</i>

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
Date: *11/25/03*
Time: *10:55 am*
Forwarded To: *[Signature]*
11/25/03 10:55 am

RECEIVED BY
COUNTY ADMIN: *[Signature]*
11/25/03
10:50 am
COUNTY ADMIN
FORWARDED TO:
[Signature]

LEE COUNTY RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING LEE COUNTY TO
ENTER INTO A ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT
WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION
ON SR 739, BUSINESS US 41, FROM US 41 AT ALICO ROAD, TO NORTH
OF CR 865, BEN C. PRATT/SIX MILE CYPRESS 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 Metro Parkway (State Road 739) from Alico Road to Ben C.Pratt/Six Mile Cypress 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 on SR 739, Business US 41, from US 41, at Alico Road, to North of CR 865, Ben C. Pratt/Six Mile Cypress 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 _____, 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

ROADWAY LIGHTING SYSTEM MAINTENANCE AGREEMENT

Financial Project ID:	195719-1-52-01	Federal Project ID:	N/A
Work Program Item No. (old):	N/A	County/Section No:	12014-2504
State Job No. (old):	N/A	District Document No:	1

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 Lee County, MSTBU, 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:

Lee County, MSTBU Manager
P.O. Box 398
Ft. Myers, FL 33902-0398

If to the FDOT:

Florida Department of Transportation, District Utility Administrator
P.O. Box 1249
Bartow, FL 33831-1249

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

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: _____ N/A _____)

RESOLUTION
UTILITY AGREEMENT

FPN				COUNTY	S.R.#	FAP NO.	Co/Sect. #
195719	1	52	01	Lee	739, Bus. US-41	N/A	12014

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

WHEREAS, in order for the FDOT to proceed with the Project, it is necessary for Lee County, hereinafter referred to as the "UAO", to execute and deliver to the FDOT the agreement identified as 195719-1-52-01, 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 _____, 2002.

NAME:

Title:

ATTEST: _

Title: _____

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
CONTRACT PLANS**

W.P.I. NO. 1114689

FISCAL YEAR SHEET NO.
01 L-1

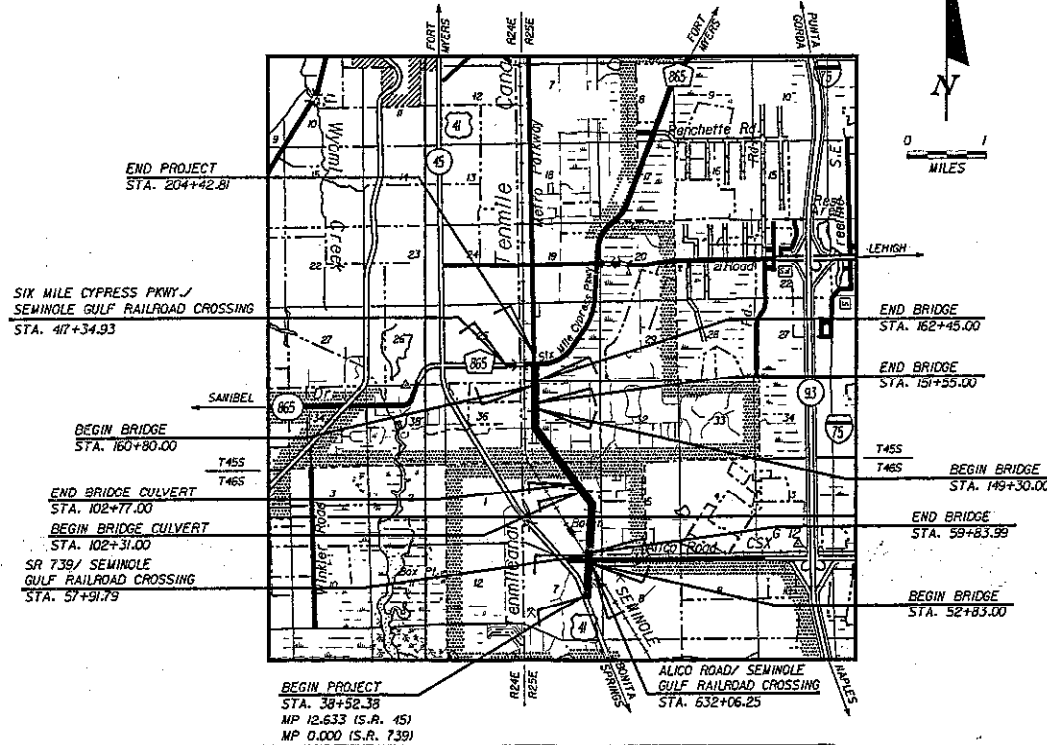
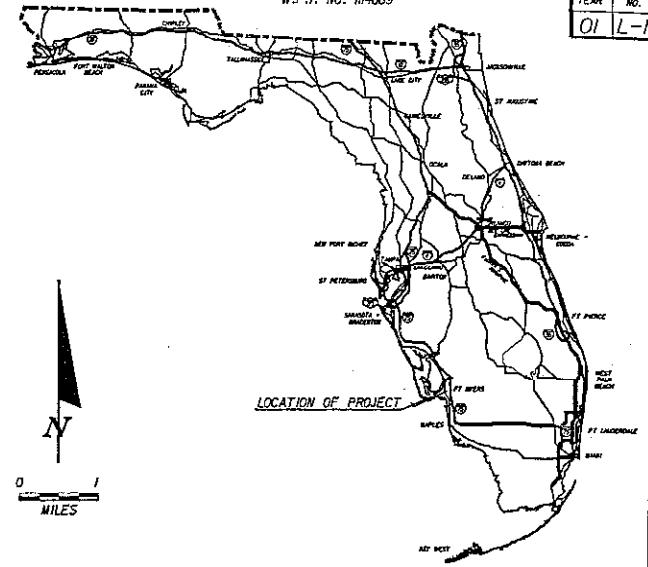
A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT.

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2A & L-2B	TABULATION OF QUANTITIES
L-3 & L-4	POLE DATA AND LEGEND SHEET
L-5	GENERAL NOTES & CONDUIT KEY
L-6	LIGHTING DETAILS
L-7	LIGHT POLE SPREAD FOOTING DETAIL
L-8	LIGHT POLE PILASTER DETAIL
L-9 THRU L-11	PROJECT LAYOUT
L-12 THRU L-49	LIGHTING PLAN

FINANCIAL PROJECT ID 195719-1-52-01
STATE PROJECT NO. 12014-3504
LEE COUNTY

STATE ROAD NO. 739
(U. S. 41 BUSINESS)



RECEIVED
APR 4 2003
PBSJ, INC.
BARTOW

FILE

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

LIGHTING SHOP DRAWINGS
TO BE SUBMITTED TO:
JAMES M. BANKS, P.E.
METRO TRANSPORTATION GROUP, INC.
12651 MCGREGOR BOULEVARD
FORT MYERS, FL 33919

PLANS PREPARED BY:
METRO TRANSPORTATION GROUP, INC.
12651 MCGREGOR BOULEVARD, SUITE 4-403
FORT MYERS, FL. 33919-4489
CONTRACT NUMBER C6019
F.E.I.D. NO. 59-1173834

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

90% REVIEW

LENGTH OF PROJECT		
	LINEAR FT.	MILES
ROADWAY	16,200.43	3.068
BRIDGES	390.00	0.074
NET LENGTH OF PROJ.	16,590.43	3.142
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJ.	16,590.43	3.142

LIGHTING PLANS
ENGINEER OF RECORD:

JEFFREY J. JEWITT, P.E. JAMES M. BANKS, P.E.
STATE OF FLORIDA
CERTIFICATE NO. 43860

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS PANEL		GRAND TOTAL	REF. SHEET		
			L-33		L-34		L-35		L-36		L-37		L-38		L-39				PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-1-12	CONDUIT UNDERGROUND (PVC SCH 40) 2"	LF	194	198	192	194	194	194	194	280	280	51	51	6021	51					
630-1-13	CONDUIT UNDERPAVEMENT GALVANIZED STEEL 2"	LF	640	560	560	560	560	560	459	420	459	420	3900	3900						
715-1-11	CONDUCTOR (INSULATED #0 AWG) (40' PER POLE)	LF	194	198	192	194	194	194	116	116	116	116	2025	2025						
715-1-13	CONDUCTOR (INSULATED #6 AWG)	LF	2388	2388	2384	2384	2388	2388	422	422	2	2	9289	9289						
715-1-14	CONDUCTOR (INSULATED #4 AWG)	EA	6	4	4	4	4	4	2	2	2	2	2	2						
715-1-16	CONDUCTOR (INSULATED #3 AWG)	EA	6	4	4	4	4	4	2	2	2	2	2	2						
715-51-145	INSTALL LIGHTING 45 POLE, FOUNDATION, B'BRACKET ARM & LUMINAIRE	EA																		
639-1-12	INSTALL LIGHTED SIGN POWER SERVICE	EA																		
715-71	LOAD CENTER	EA																		
715-14-12	PULL BOX	EA																		

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS PANEL		GRAND TOTAL	REF. SHEET		
			L-40		L-41		L-42		L-43		L-44		L-45		L-46				PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-1-12	CONDUIT UNDERGROUND (PVC SCH 40) 2"	LF	646	307	601	592	592	592	593	593	593	593	299	299	3633					
630-1-13	CONDUIT UNDERPAVEMENT GALVANIZED STEEL 2"	LF	420	280	140	280	280	420	420	420	420	420	140	140	2000					
715-1-11	CONDUCTOR (INSULATED #0 AWG) (40' PER POLE)	LF	644	921	1803	1776	1776	1779	1779	1779	1779	1779	897	897	10999					
715-1-13	CONDUCTOR (INSULATED #6 AWG)	LF																		
715-1-14	CONDUCTOR (INSULATED #4 AWG)	EA	3	1	1	2	2	3	3	3	3	1	1	14						
715-51-145	INSTALL LIGHTING 45 POLE, FOUNDATION, B'BRACKET ARM & LUMINAIRE	EA																		
639-1-12	INSTALL LIGHTED SIGN POWER SERVICE	EA																		
715-71	LOAD CENTER	EA																		
715-14-12	PULL BOX	EA																		

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS PANEL		GRAND TOTAL	REF. SHEET
			L-47		L-48		L-49		L-50		L-51		L-52		PLAN	FINAL		
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-1-12	CONDUIT UNDERGROUND (PVC SCH 40) 2"	LF	607	540	129										1276		3507	
630-1-13	CONDUIT UNDERPAVEMENT GALVANIZED STEEL 2"	LF															590	
715-1-11	CONDUCTOR (INSULATED #0 AWG) (40' PER POLE)	LF															1990	
715-1-13	CONDUCTOR (INSULATED #6 AWG)	LF	1021	620	367										3028		68464	
715-1-14	CONDUCTOR (INSULATED #4 AWG)	EA															29694	
715-51-145	INSTALL LIGHTING 45 POLE, FOUNDATION, B'BRACKET ARM & LUMINAIRE	EA															17282	
639-1-12	INSTALL LIGHTED SIGN POWER SERVICE	EA	1														130	
715-71	LOAD CENTER	EA															2	
715-14-12	PULL BOX	EA															2	

TABULATION OF QUANTITIES

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWETT, INC.
METRO TRANSPORTATION GROUP, INC.
1800 W. WINDYWAY
SUITE 400
ORLANDO, FLORIDA 32803

DATE: 11/11/11
DESCRIPTION: 155719-1-5E-01

DATE: 11/11/11
DESCRIPTION: 155719-1-5E-01

DATE: 11/11/11
DESCRIPTION: 155719-1-5E-01

DATE: 11/11/11
DESCRIPTION: 155719-1-5E-01

DATE: 11/11/11
DESCRIPTION: 155719-1-5E-01

POLE DATA

CONVENTIONAL LIGHTING DESIGN CRITERIA

Average Initial Intensity 1.5 Foot Candles
 Uniformity Ratio 4:1 Or Less
 Max./Min. 10:1 Or Less
 Wind Speed 110 MPH With 1.3 Gust Factor

LEGEND

DESCRIPTION

SYMBOLS

General Electric 400 Watt, 480 Volt HPSMDRL40SSA2RUS32 High pressure sodium luminaire.
 Hapano 875598-004 street lighting pole.
 mounting height 45 ft., 15' Arm Length.
 Final position of relocated or adjusted pole and luminaire.
 Existing pole and luminaire to remain.
 Size 2" schedule 40 PVC conduit with THW or THWN conductors inside conduit and conductor inside conduit with other conductors.
 Size 2" rigid galvanized steel conduit, under pavement with THW or THWN conductors inside conduit and conductor size as shown on plan sheets. Extend conduit beyond edge of pavement to pull boxes. Run one (1) 6 AWG copper bond conductor (TW green insulation) inside conduit with other conductors.



Distribution paint. For specifications see Index No. 17504 of Roadway And Traffic Design Standards.
 Pull boxes shall be Quasite PC 1324BK12 with Quasite PC1324H400 covers marked "street lights" No plastic pull boxes or covers shall be used.
 Electrical power service for lighted sign see Inex 17505 of Roadway and Traffic Design Standards

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE (WATTAGE)	H.F.H. (FEET)	POLE SETBACK AND NOTES
1	A-1	STA. 40+67.00	15	400	45	70' Lt.
2	A-2	STA. 40+00.00	15	400	45	50' Lt.
3	A-1	STA. 42+65.00	15	400	45	62' Lt.- BEHIND GUARDRAIL
4	A-2	STA. 42+65.00	15	400	45	50' Rt.- BEHIND GUARDRAIL
5	A-1	STA. 45+70.00	15	400	45	50' Lt.- BEHIND GUARDRAIL
6	A-2	STA. 45+45.00	15	400	45	50' Rt.-BEHIND GUARDRAIL
7	A-1	STA. 48+72.00	15	400	45	50' Lt.
8	A-2	STA. 48+72.00	15	400	45	50' Rt.- BEHIND GUARDRAIL
9	A-1	STA. 51+57.00	15	400	45	60' Lt.- BEHIND GUARDRAIL
10	A-2	STA. 51+57.00	15	400	45	50' Rt.- BEHIND GUARDRAIL
11	A-1	STA. 54+42.00	15	400	45	60' Lt.- PILASTER MOUNT
12	A-2	STA. 54+42.00	15	400	45	50' Rt.- PILASTER MOUNT
13	A-1	STA. 57+27.00	15	400	45	60' Lt.- PILASTER MOUNT
14	A-2	STA. 57+27.00	15	400	45	48' Rt.- PILASTER MOUNT
15	A-1	STA. 60+12.00	15	400	45	60' Lt.- PILASTER MOUNT
16	A-2	STA. 60+12.00	15	400	45	48' Rt.- PILASTER MOUNT
17	A-1	STA. 62+97.00	15	400	45	60' Lt.- PILASTER MOUNT
18	A-2	STA. 62+97.00	15	400	45	48' Rt.- PILASTER MOUNT
19	A-1	STA. 65+82.00	15	400	45	60' Lt.- PILASTER MOUNT
20	A-2	STA. 65+82.00	15	400	45	48' Rt.- PILASTER MOUNT
21	A-1	STA. 68+67.00	15	400	45	60' Lt.- PILASTER MOUNT
22	A-2	STA. 68+67.00	15	400	45	48' Rt.- PILASTER MOUNT
23	A-1	STA. 70+67.00	15	400	45	67' Lt.
24	A-2	STA. 70+67.00	15	400	45	48' Rt.- PILASTER MOUNT
25	A-3	STA. 72+77.00	15	400	45	67' Lt.
26	A-4	STA. 72+77.00	15	400	45	90' Rt.
27	A-3	STA. 74+97.00	15	400	45	67' Lt.
28	A-4	STA. 74+97.00	15	400	45	62' Rt.
29	A-3	STA. 77+27.00	15	400	45	67' Lt.
30	A-4	STA. 77+27.00	15	400	45	79' Rt.
31	A-3	STA. 79+74.00	15	400	45	67' Lt.
32	A-4	STA. 79+74.00	15	400	45	78' Rt.
33	A-3	STA. 82+29.00	15	400	45	67' Lt.
34	A-4	STA. 82+29.00	15	400	45	79' Rt.
35	A-3	STA. 84+68.00	15	400	45	67' Lt.
36	A-4	STA. 84+68.00	15	400	45	79' Rt.
37	A-3	STA. 87+45.00	15	400	45	67' Lt.
38	A-4	STA. 87+45.00	15	400	45	79' Rt.
39	A-3	STA. 89+62.00	15	400	45	67' Lt.
40	A-4	STA. 89+62.00	15	400	45	79' Rt.
41	A-3	STA. 92+09.00	15	400	45	67' Lt.
42	A-4	STA. 92+09.00	15	400	45	79' Rt.
43	A-3	STA. 94+56.00	15	400	45	67' Lt.
44	A-4	STA. 94+56.00	15	400	45	79' Rt.
45	A-3	STA. 97+03.00	15	400	45	67' Lt.
46	A-4	STA. 97+03.00	15	400	45	79' Rt.
47	A-3	STA. 99+50.00	15	400	45	67' Lt.
48	A-4	STA. 99+50.00	15	400	45	79' Rt.
49	A-3	STA. 104+97.00	15	400	45	67' Lt.
50	A-4	STA. 104+97.00	15	400	45	79' Rt.

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWITT, INC.
 531 BASSIC DRIVE
 FORT WORTH, TEXAS 76106

METRO TRANSPORTATION GROUP, INC.
 1850 MORGAN BOULEVARD
 FORT WORTH, TEXAS 76106

POLE DATA AND LEGEND

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM WATTAGE	M.H.	POLE SETBACK AND NOTES
51	A-3	STA. 104+44.00	15 400	45	67' LI.
52	A-4	STA. 104+44.00	15 400	45	79' RI.
53	B-1	STA. 106+91.00	15 400	45	67' LI.
54	B-2	STA. 106+91.00	15 400	45	67' LI.
55	B-1	STA. 109+65.00	15 400	45	67' LI.
56	B-2	STA. 109+65.00	15 400	45	67' LI.
57	B-1	STA. 122+41.00	15 400	45	67' LI.
58	B-2	STA. 122+41.00	15 400	45	67' LI.
59	B-1	STA. 125+16.00	15 400	45	67' LI.
60	B-2	STA. 125+16.00	15 400	45	67' LI.
61	B-1	STA. 127+91.00	15 400	45	67' LI.
62	B-2	STA. 127+91.00	15 400	45	67' LI.
63	B-1	STA. 120+66.00	15 400	45	67' LI.
64	B-2	STA. 120+66.00	15 400	45	67' LI.
65	B-1	STA. 123+41.00	15 400	45	67' LI.
66	B-2	STA. 123+41.00	15 400	45	67' LI.
67	B-1	STA. 128+16.00	15 400	45	67' LI.
68	B-2	STA. 128+16.00	15 400	45	67' LI.
69	B-1	STA. 129+91.00	15 400	45	67' LI.
70	B-2	STA. 129+91.00	15 400	45	67' LI.
71	B-1	STA. 131+66.00	15 400	45	67' LI.
72	B-2	STA. 131+66.00	15 400	45	67' LI.
73	B-1	STA. 134+41.00	15 400	45	67' LI.
74	B-2	STA. 134+41.00	15 400	45	67' LI.
75	B-1	STA. 137+16.00	15 400	45	67' LI.
76	B-2	STA. 137+16.00	15 400	45	67' LI.
77	B-1	STA. 139+46.00	15 400	45	67' LI.
78	B-2	STA. 139+46.00	15 400	45	67' LI.
79	B-1	STA. 141+76.00	15 400	45	67' LI.
80	B-2	STA. 141+76.00	15 400	45	67' LI.
81	B-3	STA. 144+06.00	15 400	45	73' LI.- BEHIND GUARDRAIL
82	B-4	STA. 144+06.00	15 400	45	67' RI.
83	B-3	STA. 146+36.00	15 400	45	64' LI.- BEHIND GUARDRAIL
84	B-4	STA. 146+36.00	15 400	45	67' RI.- BEHIND GUARDRAIL
85	B-3	STA. 149+08.00	15 400	45	60' LI.- BEHIND GUARDRAIL
86	B-4	STA. 149+08.00	15 400	45	60' RI.- BEHIND GUARDRAIL
87	B-3	STA. 151+80.00	15 400	45	60' LI.- BEHIND GUARDRAIL
88	B-4	STA. 151+80.00	15 400	45	67' RI.
89	B-3	STA. 154+52.00	15 400	45	67' LI.
90	B-4	STA. 154+52.00	15 400	45	67' RI.
91	B-3	STA. 157+24.00	15 400	45	67' LI.
92	B-4	STA. 157+24.00	15 400	45	67' RI.
93	B-3	STA. 159+96.00	15 400	45	67' LI.
94	B-4	STA. 159+96.00	15 400	45	60' RI.- BEHIND GUARDRAIL
95	B-3	STA. 162+80.00	15 400	45	60' LI.- BEHIND GUARDRAIL
96	B-4	STA. 162+80.00	15 400	45	60' RI.- BEHIND GUARDRAIL
97	B-3	STA. 165+40.00	15 400	45	60' LI.- BEHIND GUARDRAIL
98	B-4	STA. 165+40.00	15 400	45	60' RI.- BEHIND GUARDRAIL
99	B-3	STA. 168+12.00	15 400	45	60' LI.- BEHIND GUARDRAIL
100	B-4	STA. 168+12.00	15 400	45	60' RI.- BEHIND GUARDRAIL

POLE NO.	CIRCUIT	STATION	DIST. OR ARM WATTAGE	M.H.	POLE SETBACK AND NOTES
101	B-3	STA. 170+76.00	15 400	45	60' LI.- BEHIND GUARDRAIL
102	B-4	STA. 170+76.00	15 400	45	60' RI.- BEHIND GUARDRAIL
103	B-3	STA. 173+40.00	15 400	45	67' LI.
104	B-4	STA. 173+40.00	15 400	45	74' RI.
105	B-3	STA. 176+03.00	15 400	45	67' LI.
106	B-4	STA. 176+03.00	15 400	45	74' RI.
107	B-3	STA. 179+62.00	15 400	45	67' LI.
108	B-4	STA. 179+62.00	15 400	45	67' RI.
109	B-3	STA. 181+21.00	15 400	45	67' LI.
110	B-4	STA. 181+21.00	15 400	45	60' RI.
111	B-3	STA. 183+80.00	15 400	45	67' LI.
112	B-4	STA. 183+80.00	15 400	45	60' RI.
113	A-5	STA. 302+40.00	15 400	45	14' RI.- BEHIND GUARDRAIL
114	A-5	STA. 305+26.00	15 400	45	14' RI.- BEHIND GUARDRAIL
115	A-5	STA. 308+12.00	15 400	45	14' RI.- BEHIND GUARDRAIL
116	A-5	STA. 308+12.00	15 400	45	14' RI.- BEHIND GUARDRAIL
117	A-5	STA. 310+88.00	15 400	45	14' RI.- BEHIND GUARDRAIL
118	A-5	STA. 313+84.00	15 400	45	14' RI.- BEHIND GUARDRAIL
119	A-5	STA. 316+70.00	15 400	45	14' RI.- BEHIND GUARDRAIL
120	A-5	STA. 319+56.00	15 400	45	14' RI.- BEHIND GUARDRAIL
121	A-6	STA. 408+14.00	15 400	45	14' RI.- BEHIND GUARDRAIL
122	A-6	STA. 409+86.00	15 400	45	14' RI.- BEHIND GUARDRAIL
123	A-6	STA. 413+58.00	15 400	45	14' RI.- BEHIND GUARDRAIL
124	A-6	STA. 416+30.00	15 400	45	20' RI.
125	A-6	STA. 419+02.00	15 400	45	20' RI.
126	A-6	STA. 421+74.00	15 400	45	20' RI.
127	A-6	STA. 424+46.00	15 400	45	20' RI.
128	A-6	STA. 427+18.00	15 400	45	20' RI.
129	A-6	STA. 429+90.00	15 400	45	20' RI.
130	A-6	STA. 429+90.00	15 400	45	20' RI.

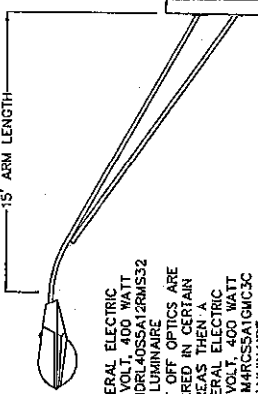
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWETT, INC. METRO TRANSPORTATION GROUP, INC.
 1255 MONROE BLVD. SUITE 4-403
 FORT WORTH, TEXAS 76104

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

POLE DATA

15' ARM LENGTH



GENERAL ELECTRIC
 480 VOLT, 400 WATT
 H.P.S. MDRL40SSA12RMS32
 LUMINAIRE
 (IF CUT OFF OPTICS ARE
 REQUIRED IN CERTAIN
 AREAS THEN A
 GENERAL ELECTRIC
 480 VOLT, 400 WATT
 H.P.S. M4RCS5A1GMC3C
 LUMINAIRE

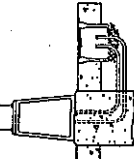
STREET LIGHT POLES SHALL BE HAPCO
 B75998-004 FOR SINGLE ARM POLES
 AND HAPCO B75999-004 FOR DOUBLE
 ARM POLES. MOUNTING HEIGHT 45'

CONDUIT AND WIRE KEY

1	(2) #6	AND (1) #6	(GROUND) THIN IN 2" PVC
2	(2) #4	AND (1) #6	(GROUND) THIN IN 2" PVC
3	(2) #3	AND (1) #6	(GROUND) THIN IN 2" PVC
4	(2) #4	AND (2) #6	(2) #6 (GROUND) THIN IN 2" RGS
5	(4) #6	AND (2) #6	(GROUND) THIN IN 2" PVC
6	(2) #5	AND (2) #6	(GROUND) THIN IN 2" RGS
7	(2) #4	AND (4) #3	(3) #6 (GROUND) THIN IN 2" RGS
8	(2) #4	AND (1) #6	(GROUND) THIN IN 2" RGS
9	(2) #3	AND (2) #4	AND (2) #6 (GROUND) THIN IN 2" RGS

POLES SHALL BE INSTALLED IN ACCORDANCE WITH POLE MANUFACTURER'S RECOMMENDATIONS. SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO POLE ERECTION. CONTRACTOR OR POLE VENDOR SHALL FURNISH CERTIFICATION STATING THAT POLES WITH FIXTURES SELECTED, AND IF ERRECTED AS SPECIFIED WILL SATISFY LEE COUNTY CRITERION TO WITHSTAND WINDS OF 110 M.P.H. WITH 1.3 GUST FACTOR.

REFER TO FOOT INDEX 17500
 FOR SLAB DETAILS AT POLE
 AND PULL BOX LOCATIONS.



UTILITIES

- LEE COUNTY UTILITIES
 ENGINEERING DEPARTMENT
 VIOLET MOLNAR
 1500 MONROE STREET, 3RD FLOOR
 FORT MYERS, FL 33901
 (941) 473-8161
- FLORIDA POWER AND LIGHT
 RANDY CAMP
 15534 WINKLER ROAD
 FT MYERS 33908
 (941) 413-1345
- CONCAST (ADELPHI)
 (formerly JONES WATER CABLE)
 MIKE PICOTT
 26860 OLD U.S. 41
 BONITA SPRINGS, FL 34134
 (941) 752-9600

LIGHTING DESIGN CRITERIA

AVERAGE INTENSITY - 1.5 H.F.C.
 UNIFORMITY RATIO:
 AVC. / MIN. - 4:1 OR LESS
 MAX. / MIN. - 10:1 OR LESS

GENERAL NOTES

- THE LOCATION OF EACH POWER SERVICE POINT MAY BE ADJUSTED SO NORTH OR SOUTH FROM THE POINT SHOWN FOR CONFORMANCE WITH CLOSEST FPL POWER POLE OR OTHER IN-FIELD PRACTICAL CONSIDERATIONS. ELECTRICAL SERVICE EQUIPMENT SHALL BE SERVICE ENTRANCE RATED.
- STREET LIGHTING WIRING SHALL RUN AS SHOWN INSOFAR AS PRACTICAL. FIELD COORDINATE ALL ROUTINGS WITH LANDSCAPE DETAILS AND IRREGULARITIES, AND WITH FPL POWER LINES, SPRINT AND CABLE, WIRE TRUNKS, WATER AND SEWER LINES. STREET PAVEMENTS AND SIDEWALKS. CONTRACTOR TO SUBMIT AS-BUILT DRAWINGS OF ANY BORED CONDUIT DEVIATING FROM THE PLANS.
- CONDUCTORS FOR STREET LIGHTING CIRCUITS SHALL ALL BE COPPER, STRANDED, AND WITH THIN INSULATION.
- EACH LUMINAIRE SHALL BE GROUNDED TO AN INDIVIDUAL 5/8" X 20' DRIVEN GROUND ROD, AND ALSO TO THE EQUIPMENT GROUNDING CONDUCTOR. GROUND RODS FOR EACH POLE SHALL BE DRIVEN IN A PULL BOX.
- SPLICE BOXES SHALL BE INSTALLED WITH THE TOPS FLUSH WITH THE GROUND. SPLICE BOXES SHALL BE POLYMER CONCRETE AND REINFORCED FIBERGLASS WITH LOCKING COVER AND LOGO "STREET LIGHTING" ON TOP. BOXES SHALL BE BROOKS PRODUCT, INC. #1419 BODY WITH BOLT-DOWN PLASTIC LID, GREEN WITH STREET LIGHTING LOGO.
- FUSE HOLDER SHALL BE WATERPROOF IN-LINE FOR COPPER WIRE. BUSES TYPE HEB SERIES. FUSES SHALL BE SOOY, FINE3. USE FOOT MOLDED COLOR CODED BREAKAWAY FUSE ASSEMBLIES.
- A SURGE ARRESTOR SHALL BE LOCATED AT AND BE READILY ACCESSIBLE IN EACH STREET LIGHTING SPLICE BOX. SURGE ARRESTOR SHALL PROTECT BOTH THE GROUNDED AND UNGROUNDED CURRENT CARRYING CONDUCTORS. SURGE ARRESTOR SHALL BE EDCO #SM-2403 OR EQUAL.
- SPLICES IN COPPER CONDUCTORS SHALL BE INSULATED BY UL LISTED TWO-PART EPOXY CAST RESIN WHICH SHALL EXTEND TO COVER A MINIMUM OF 1" OF ORIGINAL WIRE INSULATION ON ALL SPLICED CONDUCTORS. SPLICE SHALL BE EQUAL TO 3M SCOTCHCAST. THERE SHOULD NOT BE ANY SPLICING OF ANY CONDUCTORS IN A PULL BOX.
- STREET LIGHTS SHALL BE CONTROLLED BY A MASTER HEAVY DUTY PHOTOELECTRIC CELL INSTALLED AT THE POWER SOURCE, AS SPECIFIED IN THE RISER DIAGRAM LEGEND.
- POWER SOURCES FOR THIS PROJECT DO NOT CONTAIN METERS, AS ENERGY FOR THESE STREET LIGHTS IS TO BE SUPPLIED BY FPL ON A FLAT-RATE BASIS.
- POLES SHALL BE INSTALLED IN ACCORDANCE WITH POLE MANUFACTURER'S RECOMMENDATIONS. SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO POLE ERECTION. CONTRACTOR OR POLE VENDOR SHALL FURNISH CERTIFICATION STATING THAT POLES WITH FIXTURES SELECTED, AND IF ERRECTED AS SPECIFIED WILL SATISFY LEE COUNTY CRITERION TO WITHSTAND WINDS OF 110 M.P.H. WITH 1.3 GUST FACTOR.
- CONTRACTOR TO VERIFY LOCATION OF ALL SLEEVES AND CONDUITS CROSSING ROADS AND DRIVEWAYS PRIOR TO CONSTRUCTION.
- ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE 1996 EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION.
- LOCATION OF UTILITIES HAVE NOT BEEN FIELD VERIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING UTILITIES (INCLUDING BUT NOT LIMITED TO WATER, SANITARY SEWER, STORM SEWER, ELECTRIC, TELEPHONE AND CABLE) PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY LEE COUNTY IN WRITING OF ANY CONFLICT PRIOR TO COMMENCING WITH ANY CONSTRUCTION WITHIN THE CORRIDOR/ROADWAY WHERE CONFLICTS WERE FOUND.
- POLE SETBACKS SHALL BE MEASURED FROM THE CENTER LINE OF CONSTRUCTION.
- CONTRACTOR SHALL SUBMIT CUT SHEETS ON STREET LIGHT POLES AND FIXTURES PRIOR TO ORDERING.

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 METRO TRANSPORTATION GROUP, INC.
 12461 MCCORDS BOULEVARD
 SUITE 1000
 FORT MYERS, FLORIDA 33919

REVISIONS

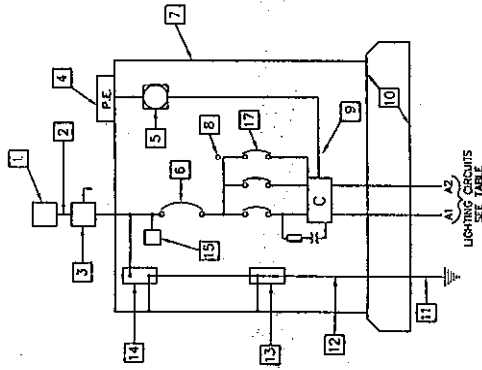
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GENERAL NOTES & CONDUIT KEY

SERVICE POINT LEGEND

- 1 SERVICE POINT CONNECTION TO POWER COMPANY 480V PHASE TO PHASE, 277V PHASE TO GROUND, RUN LATERAL TO SERVICE POINT FROM MAIN SERVICE ENTRANCE.
- 2 UNDERGROUND SERVICE CONDUCTOR, SEE TABLE BELOW FOR SIZES.
- 3 DISCONNECT SWITCH 600V, 2P, LOCKABLE NEMA 3R ENCLOSURE REFER TO SCHEDULE BELOW FOR MIN. RATINGS.
- 4 PHOTOCELL, 120V, 2000W, SPST
- 5 H.O.A. SELECTOR SWITCH
- 6 MAIN CIRCUIT BREAKER (M.C.B.), REFER TO SCHEDULE BELOW.
- 7 SERVICE CABINET, NEMA 3R PRECASTAL MOUNTED
- 8 BUS-CU SEE TABLE BELOW FOR SIZE.
- 9 ELECTRICALLY HEATED LIGHTING CONTACTOR WITH 480-277V, 1A, FUSE, 200 VA OPT, 60A CONTACTOR.
- 10 NUMBER OF POLES TO MATCH NUMBER OF CIRCUITS AT EACH LOAD CENTER.
- 11 CONCRETE PEDESTAL
- 12 3/8" DIA. x 20' LONG GROUND ROD
- 13 GROUNDING CONDUCTOR (SIZE PER NEC)
- 14 CUL GROUND BUS
- 15 NEUTRAL BUS, CUL-SEE TABLE BELOW FOR SIZE- BONDED TO GROUNDING CONDUCTOR
- 16 SURGE ARRESTER, 650V CATEGORY "C"
- 17 NUMBER OF CIRCUIT BREAKERS MATCHES NUMBER OF CIRCUITS IN TABLE BELOW

SERVICE POINT 'A' & 'B' DIAGRAM



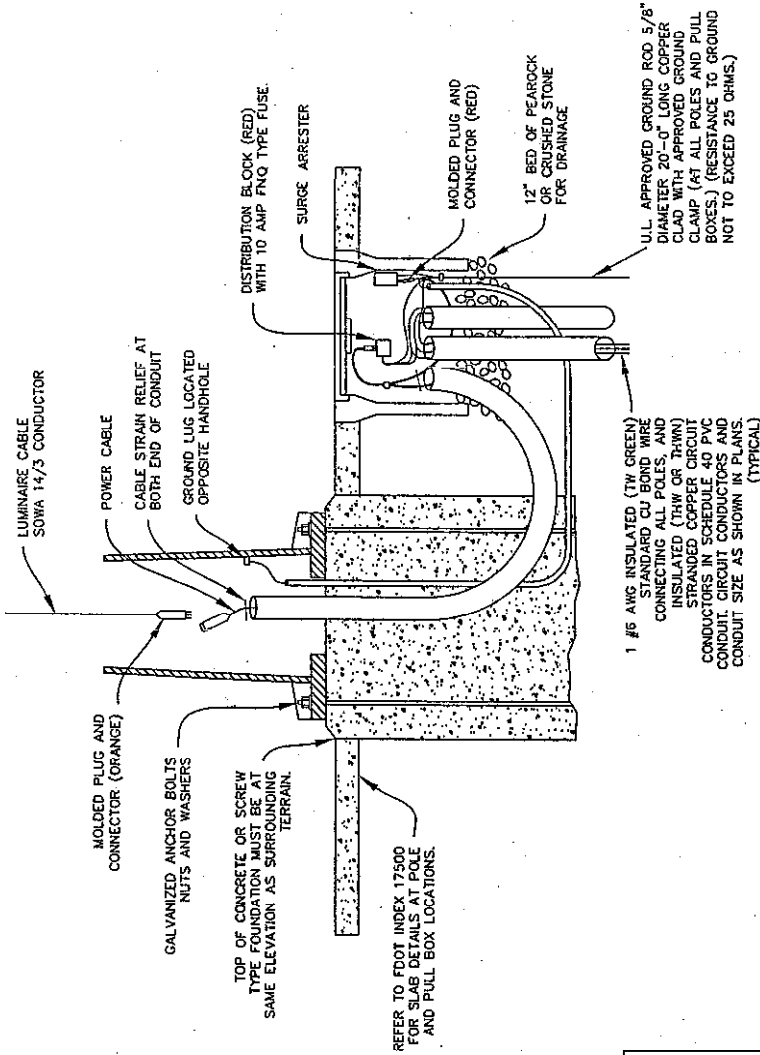
LOAD CALCS.

PANEL 'A'	EA	EA
LOAD	8480V, 1/0 = 101A	125% 48.2
PANEL 'B'	EA	EA
LOAD	8480V, 1/0 = 78A	125% 37.5

CIRCUIT SCHEDULE

LOAD CENTER	TOTAL CONNECTED (AMPS)	CONTACTOR RATING (AMPS)	KVA	MAX FAULT CURRENT	VOLTAGE	DISC. NO BUS (AMPS)	SERVICE CONDUCTOR (THWN CU)	BRANCH CIRCUITS									
								No. 1	No. 2	No. 3	No. 4	No. 5	No. 6				
A	81	60	38.5	1	480	200	(3) 3/0 MCM IN 2" RGS	15.0	30/2	15.0	30/2	15.0	30/2	11.0	30/2	14.0	30/2
B	63	60	30.0	1	480	150	(3) 1/0 IN 2" RGS	15.0	30/2	15.0	30/2	17.0	40/2	17.0	40/2		

METAL POLE WIRING DETAIL



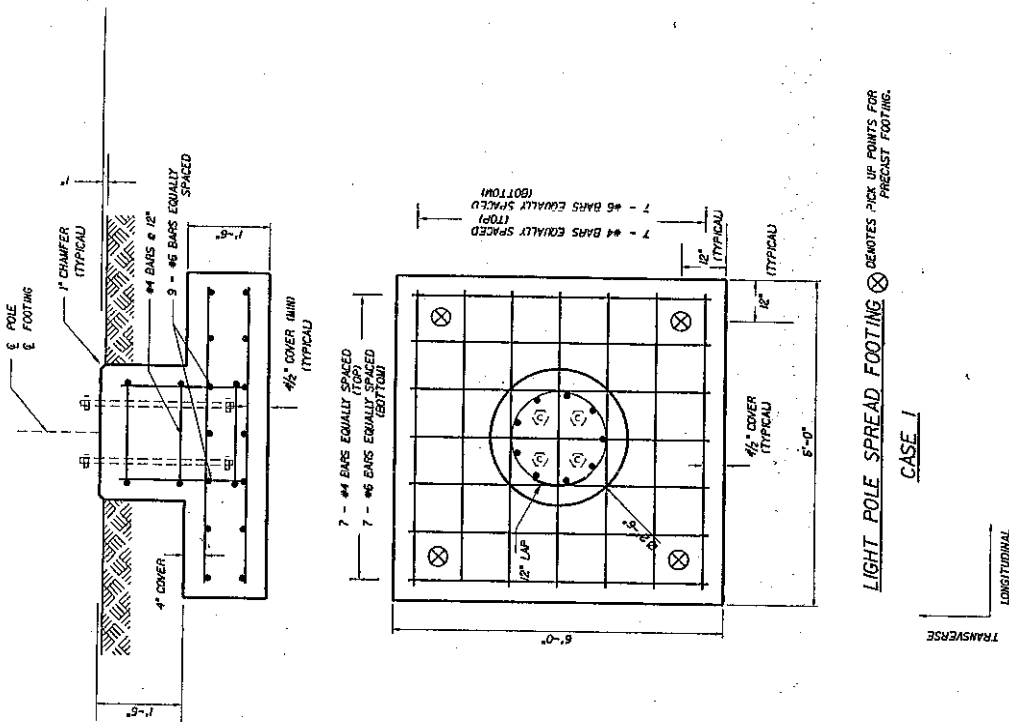
LIGHTING DETAILS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

METRO TRANSPORTATION GROUP, INC.
1201 WASHINGTON BOULEVARD
SUITE 440
FORT MYERS, FLORIDA 33909

JEFFREY J. LEWITT, INC.
1000 W. UNIVERSITY AVENUE
FORT MYERS, FLORIDA 33909

REVISIONS	DATE	BY	DESCRIPTION	DATE	BY



LIGHT POLE SPREAD FOOTING (X) DENOTES PICK UP POINTS FOR PRECAST FOOTING.

CASE 1

LONGITUDINAL
TRANSVERSE

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS FOR ROAD AND BRIDGE TRANSPORTATION FOOTING STANDARD SPECIFICATIONS FLORIDA DEPARTMENT OF TRANSPORTATION (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, 1996 AND APPLICABLE AMENDMENTS THRU 1999) AND FOOT STRUCTURES DESIGN GUIDELINES (2000 EDITION).
DESIGN METHODS: LOAD FACTOR DESIGN.

CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS. (CAST IN PLACE OR PRECAST)

CLASS	MINIMUM 28-DAY COMPRESSIVE STRENGTH	LOCATION
N	f' _c = 4000 PSI	LUMINAIRE SPREAD FOOTING

REINFORCING STEEL

REINFORCEMENT CAN BE EITHER DEFORMED BAR REINFORCEMENT OR WELDED WIRE FABRIC. BAR REINFORCEMENT SHALL BE ASTM A605, 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 (2503) OF THE ROAD AND TRAFFIC DESIGN STANDARDS.
- THE COST OF THE FOOTING IS INCLUDED IN THE PAY ITEM NUMBER FOR LIGHT POLE LUMINAIRE.
- SOIL BELOW FOOTING IS TO HAVE A MINIMUM BEARING CAPACITY OF 2.5 KIP/SQ FT. FOR BACKFILL. COMPACTION 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 LONGER BOLTS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANCHOR BOLTS THAT EFFECTIVELY TRANSMIT THE LIGHT POLE LOAD TO THE SHAFT AND THAT FIT THE REINFORCING CAGE. HE MUST ALSO VERIFY THAT THE FORCES OF THE LIGHT POLE DO NOT EXCEED THE DESIGN LOADS OF THIS FOOTER. CALCULATIONS AND SEALS BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA SHALL BE SUBMITTED TO THE DISTRICT ENGINEER FOR REVIEW AND APPROVAL SHOWING 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. = 8.18 FT * KIP
TORSION = 1.58 FT * KIP
AXIAL = 0.28 KIP
SHEAR IN TRANSVERSE DIR. = 0.58 KIP
SHEAR IN LONGITUDINAL DIR. = 0.41 KIP

ALL CONDUIT SHOULD BE RIGID GALVANIZED STEEL OR SCHEDULE 40 P.V.C. BENDS IN CONDUIT SHALL BE MADE USING A RADIUS NOT LESS THAN 8 IN. END OF CONDUIT SHALL BE SEALED IN ACCORDANCE WITH SUBARTICLE 630-3.4. 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.
- MARKER PRECAST CONCRETE FOOTINGS MUST BE MAINTAINED IN A FLAT POSITION. THEY MUST BE PICKED UP FROM THE POINTS LOCATED AT EACH END.
- STORAGE AND TRANSPORTATION ALL PRECAST CONCRETE FOOTINGS MUST BE STORED ON ADEQUATE DRAINAGE AND SUPPORTS. THEY MUST BE SUPPORTED NO CLOSER THAN 6 INCHES AND NO FURTHER THAN 18 INCHES FROM THE END.
- MARKINGS 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)

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

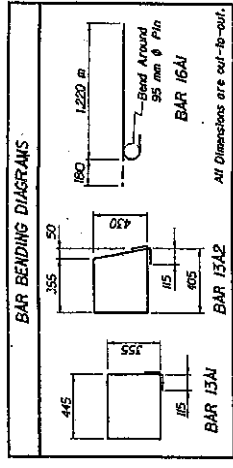
JEFFERY J. LEWITT, INC.
6851 W. BOULEVARD
SUITE 400
FORT WORTH, FLORIDA 3389

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

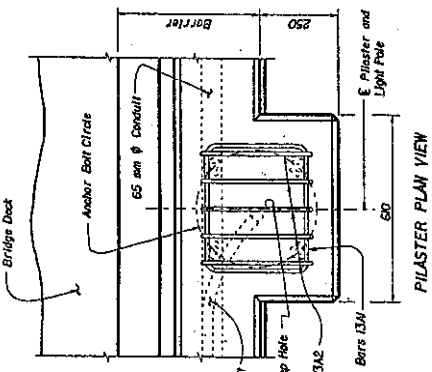
LIGHT POLE SPREAD FOOTING

MARK	SIZE	NO. REQ'D	LENGTH	BENDING
13A1	#13	3	1,830 m	See Diagram
13A2	#13	5	1,830 m	"
13A3	#13	22	1,400 m	"
13P	#16	10	Additional	"

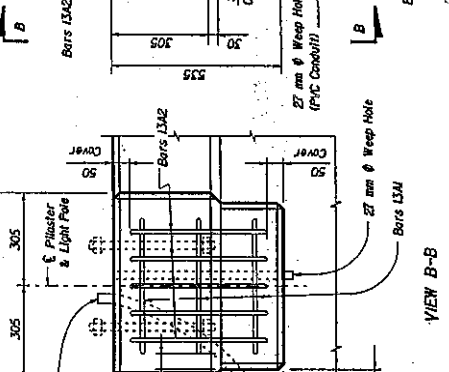
* Quantities and Bill of Materials for one Pilaster.
 Concrete Quantity Required: 0.215 m³
 Steel Quantity Required: 14.81 kg
 For Details of Bars 13P and 13R, See Traffic Railing
 Barrier Sheet Index 7001.



INSTRUCTIONS TO DESIGNERS
 In order to minimize vibration of the poles due to traffic, locate pilasters near substructure supports.
 PLEASE ERASE THIS NOTE WHEN COMPLETING THIS DRAWING



INSTRUCTIONS TO DESIGNERS
 In order to minimize vibration of the poles due to traffic, locate pilasters near substructure supports.
 PLEASE ERASE THIS NOTE WHEN COMPLETING THIS DRAWING

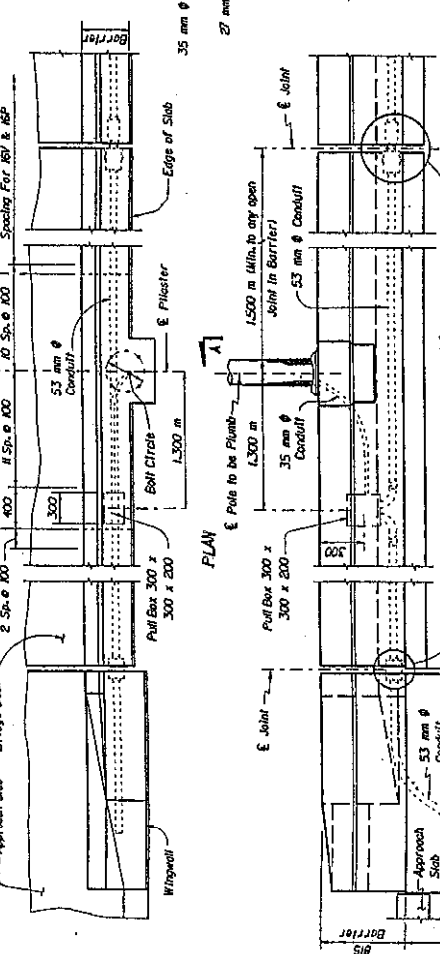


The Deck Slab area (square about Pilaster) shall be strengthened with the addition of 22 - #14 Bars (11 Top & 11 Bottom). The Bars shall be located as shown and spaced at approximately 180 mm centers.

SECTION A-A
 (Length/width Reinforcement not shown)

LIGHT POLE PILASTER

** Rebar Slip Forming Method of Construction is not allowed within the shown limits.



Note 'A'
 Provide Expansion/Deflection Filling of all joints at all Substructure Supports (Curb, Benches, etc.) wherever Longitudinal Movement is not greater than 20 mm in accordance with this Note.

Note 'B'
 Provide Expansion/Deflection and expansion Fillings of all Substructure Supports (Curb, Benches, etc.) wherever Longitudinal Movement exceeds 20 mm in accordance with this Note.

NOTES

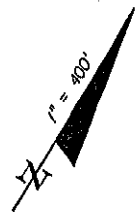
- Additional Concrete and Reinforcing Steel required for the Construction of the Pilaster shall meet the same requirements as that of the Traffic Railing.
- Top of Pilaster shall be finished to a true level area.
- Light Pole Pilaster and adjacent Traffic Railing Barrier and Superstructure Slab area shown on this sheet, are designed to resist Working Loads in any direction from the Light Pole applied at the top of the Pilaster as follows:
 Longitudinal Moment = 40.7 kN-m
 Transverse Moment = 64.1 kN-m
 Longitudinal Shear = 4.5 kN
 Transverse Shear = 4.5 kN
 Torsion = 1.8 kN-m
 Axial = 0
- If the Light Pole provides applied loads that are in excess of those shown, the Contractor shall redesign the Pilaster and submit the Design to the Department for Review. The Contractor's Redesign shall be Prepared, Signed and Sealed by a Professional Engineer Registered in the State of Florida and Qualified to perform the work.
- The Contractor is responsible for providing Anchor Bolts that meet the Reinforcing Code Calculations Signed and Sealed by a Professional Engineer Registered in the State of Florida and approved by the Contractor. The Department for Review will not approve drawings that these Requirements have been met prior to Construction.
- All Conduits shall be rigid Galvanized Steel or Schedule 80 P.V.C. Boxes in conduit shall in accordance with the latest N.E.C.
- Ends of Conduits shall be sealed in accordance with Subarticle 6.30-3-4.
- The Cost of Anchor Bolts shall be included in the Bid Price for Light Poles.
- All Expansion/Deflection and Expansion Fillings shall be Metallic as specified by the following Manufacturers: Cresse-Harris, Apalache, O. Z., or approved equal. If PVC conduits are provided, concrete to connect Non-Metallic to Metallic conduit or Filling seal shall be provided as needed.
- All Fillings shall be installed in accordance with the Manufacturer's instructions and shall be minimum an Expansion/Deflection Filling shall be provided at each Open Joint in the Barrier at a Substructure (Curb, Bench, Interior Bent or Pier) Support (See Note 'A'), and if the Longitudinal Joint Movement exceeds 20 mm, a suitable Expansion Filling shall also be provided in series with the Expansion/Deflection Filling (See Note 'B').
- An Annular Open Space between the Concrete and the Expansion/Deflection Filling shall be provided to assure proper filling operation in and if necessary the Contractor may bend or adjust Reinforcement in the Traffic Barrier to allow Filling Installation.
- A watertight Pull Box is required at each Light Pole. Additional Pull Boxes may be required if the spacings between Light Poles are greater than 100 m. Pull Boxes shall be painted to match the color of Class 5 Finish.
- PAYMENT:** The cost of all Labor, Concrete and Reinforcing Steel required for the Construction of the Pilasters, and all Conduits, Fittings, Couplings, Pull Boxes and all Miscellaneous Hardware required for the completion of the Electrical System, shall be included in the Bid Price for the Traffic Railing Barrier.

NOTE: All dimensions are in millimeters (mm), except as noted.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWITT, INC.
 603 BAYVIEW DRIVE
 FORT WORTH, FLORIDA 3308

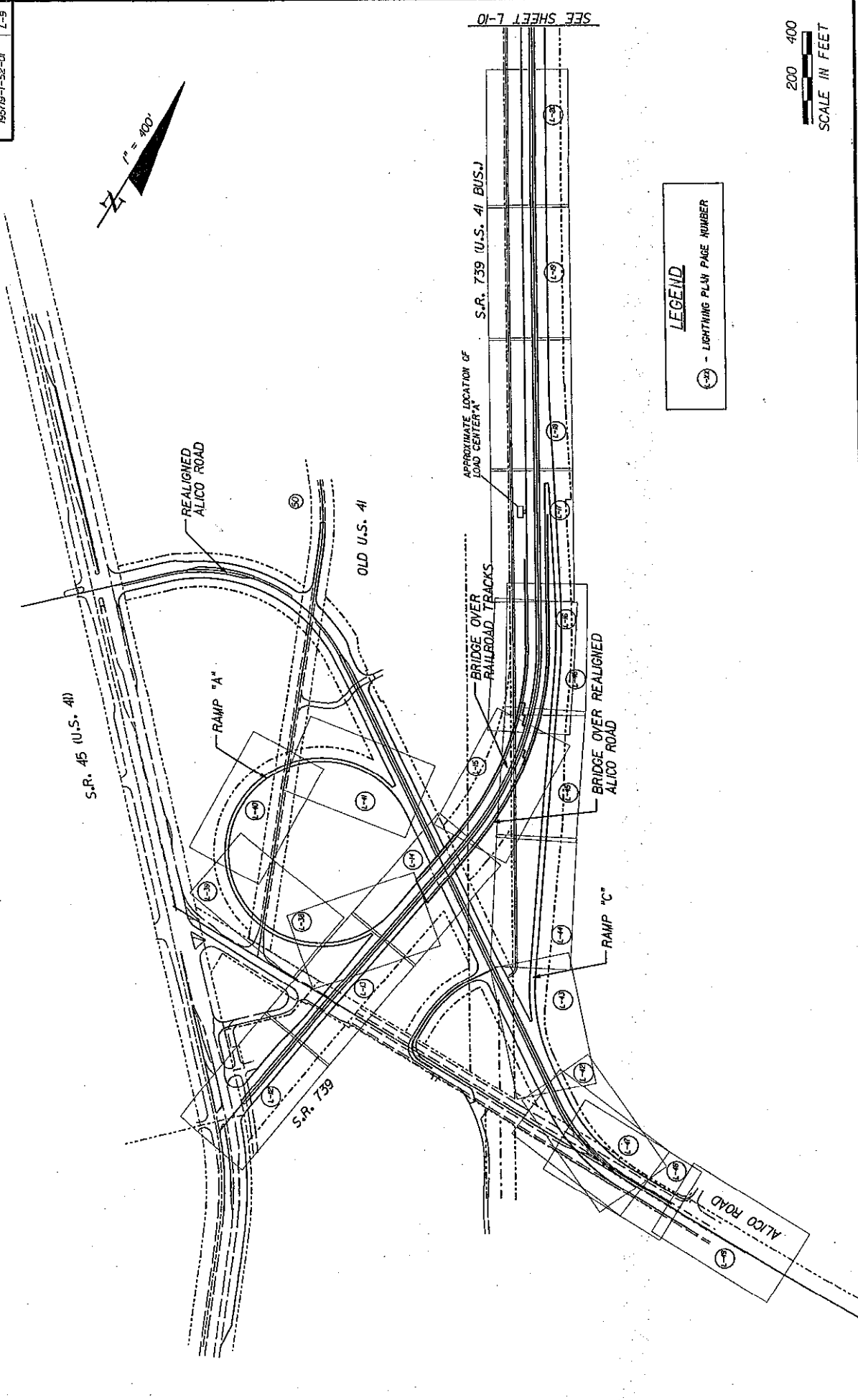
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION



SEE SHEET L-10

200 400
SCALE IN FEET

LEGEND
 (L-30) - LIGHTNING PLAN PAGE NUMBER



STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWETT, INC. METRO TRANSPORTATION GROUP, INC.
1850 WOODSON BOULEVARD
FORT WALTER, FLORIDA 32069

DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION

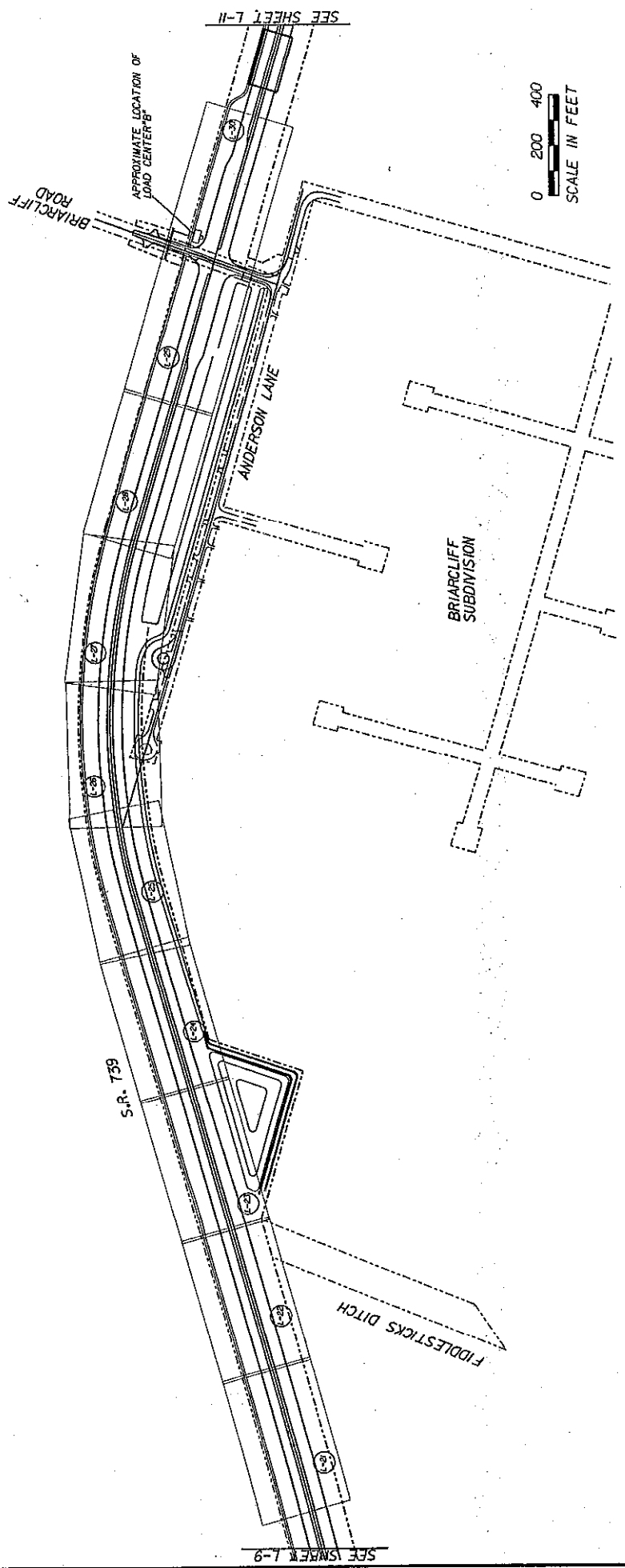
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DATE BY DESCRIPTION DATE BY DESCRIPTION DATE BY DESCRIPTION

PROJECT LAYOUT



PROJECT LAYOUT

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWETT, INC. METRO TRANSPORTATION GROUP, INC.
 1659 W. PALM BLVD.
 SUITE 400
 FORT MYERS, FLORIDA 33909

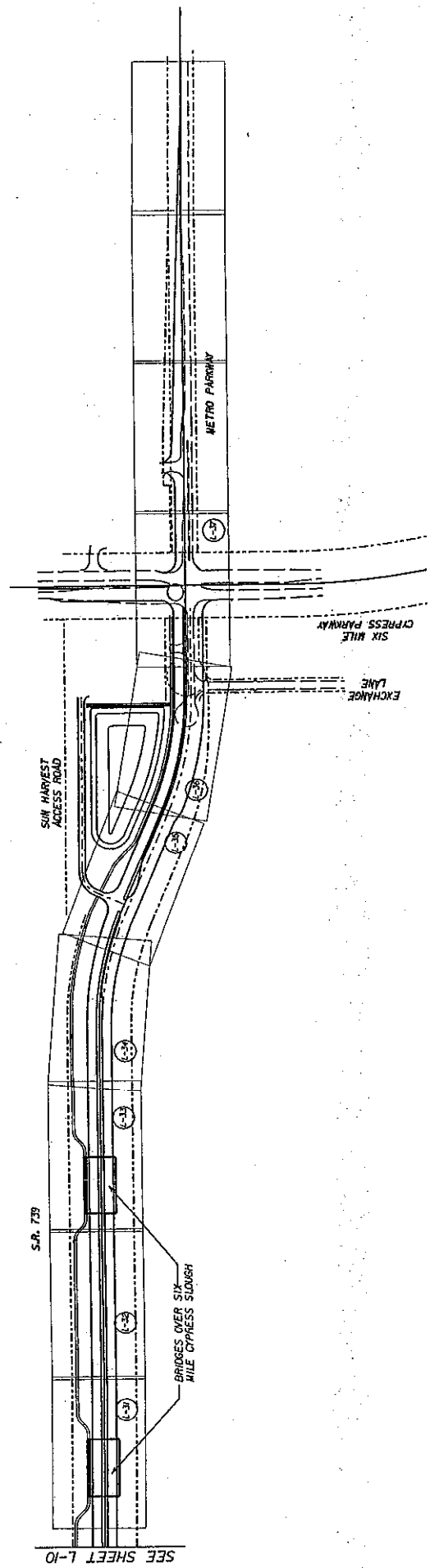
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DATE: _____
 DESCRIPTION: _____



SEE SHEET L-10

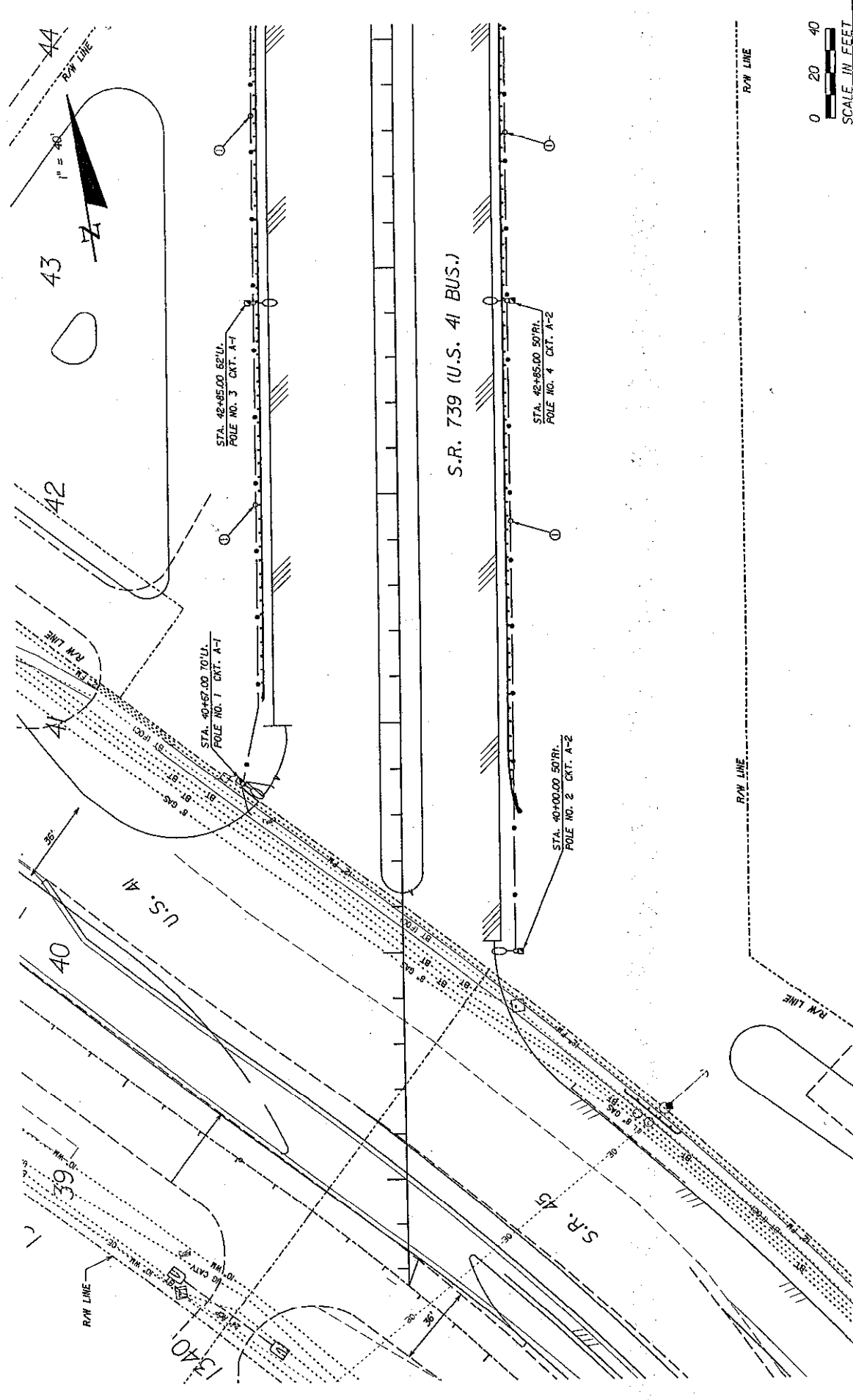
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JEFFERY J. JEWITT, INC.
 650 BAYVIEW DRIVE
 FORT WORTH, TEXAS 76104

METRO TRANSPORTATION GROUP, INC.
 1255 W. WILLOW ROAD
 SUITE 400
 FORT WORTH, TEXAS 76104

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

PROJECT LAYOUT

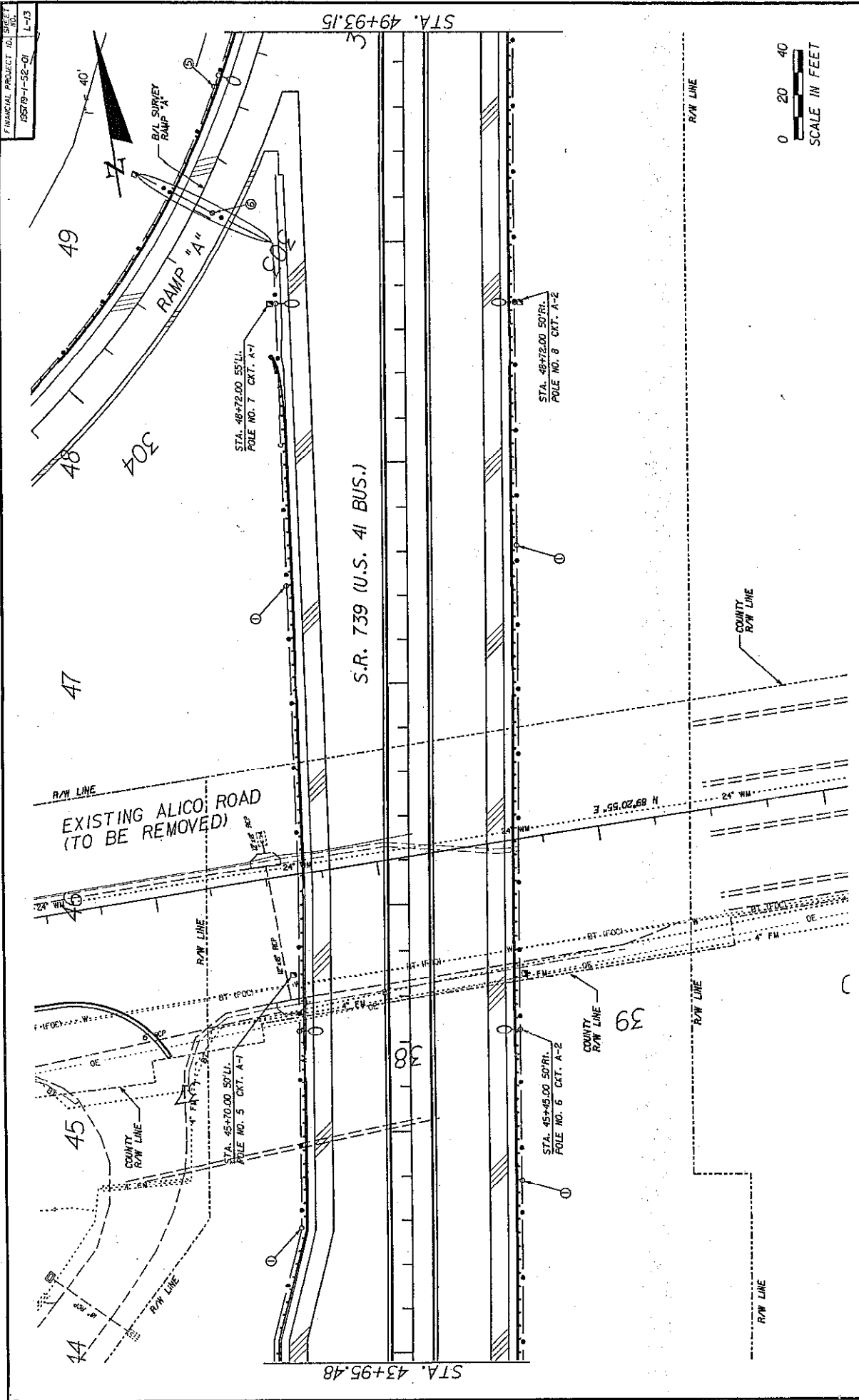


LIGHTNING PLAN

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 JEFFERY J. HEWITT, INC. METRO TRANSPORTATION GROUP, INC.
 1858 WAGNER BOULEVARD
 FORT WORTH, FLORIDA 3399
 SITE # 402
 FORT WORTH, FLORIDA 3399

FINANCIAL PROJECT ID: 055719-1-52-01
 SHEET NO: L-13



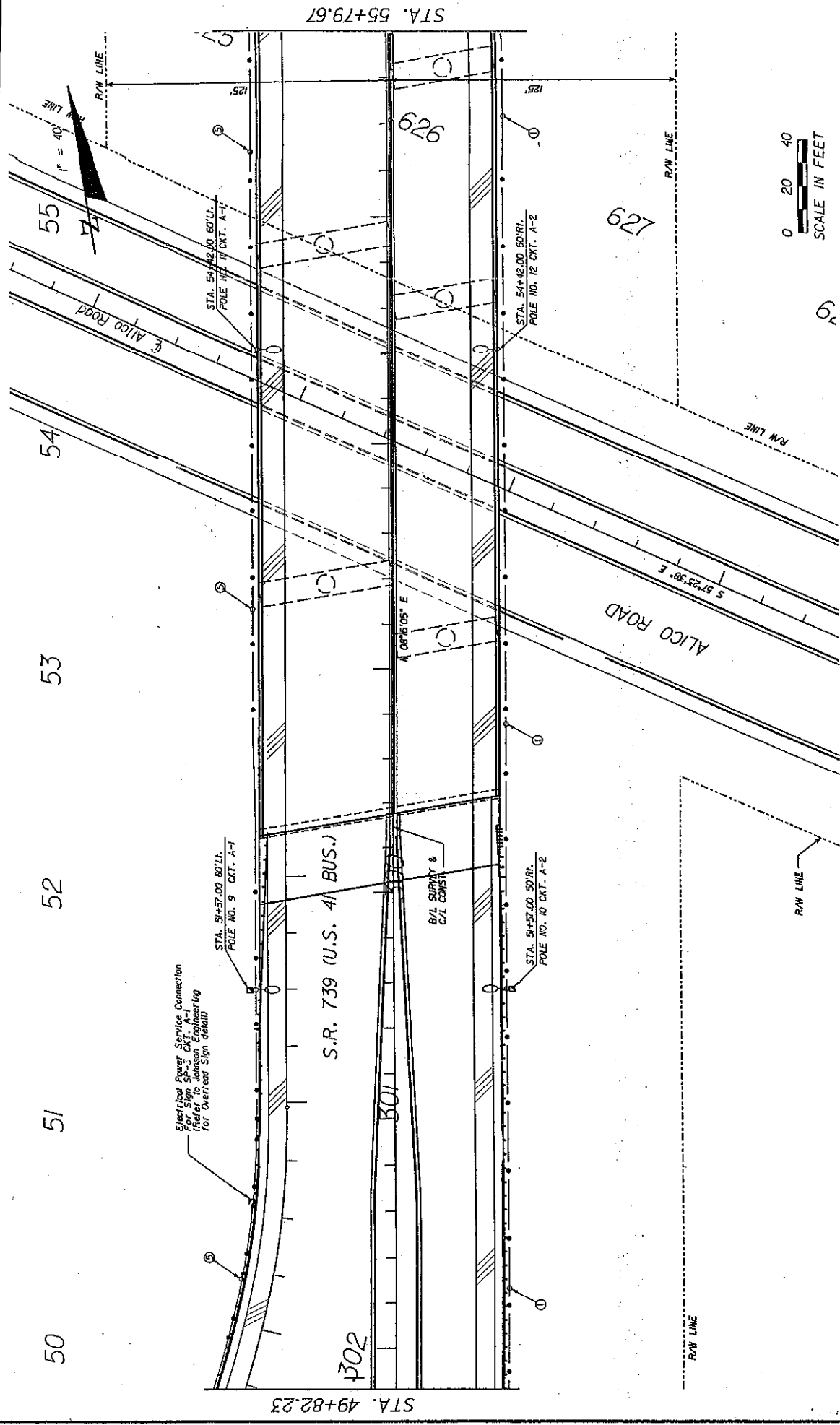
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LIGHTING PLAN

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWITT, INC.
 850 SOUTH SHAW
 FORT MYERS, FLORIDA 33906

METRO TRANSPORTATION GROUP, INC.
 6800 W. STATE ROAD 60
 SUITE 400
 FORT MYERS, FLORIDA 33906



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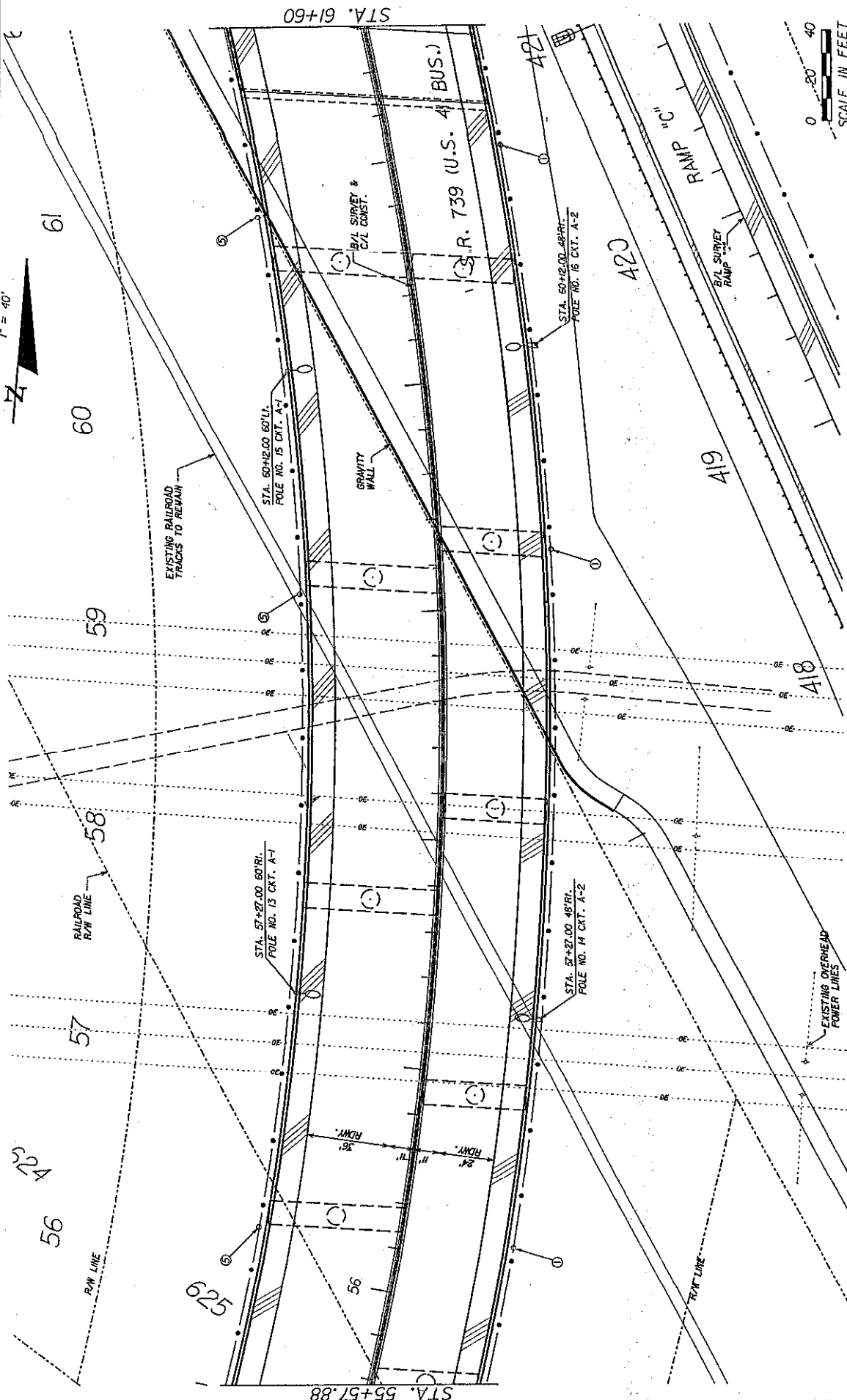
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 652 BACOS DRIVE
 FORT WORTH, TEXAS 76104
 FORT WORTH, TEXAS 76104

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

METRO TRANSPORTATION GROUP, INC.
 12810 WINDY HOLLOW
 FORT WORTH, TEXAS 76134

LIGHTING PLAN

FINANCIAL PROJECT ID: 95719-1-52-01
 SHEET NO. 1-15



LIGHTING PLAN

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWITT, INC. METRO TRANSPORTATION GROUP, INC.
 6800 GARDNER BUILDING
 SUITE 4-403
 FORT WORTH, TEXAS 76104

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



61

RAILROAD
R/W LINE

66

65

64

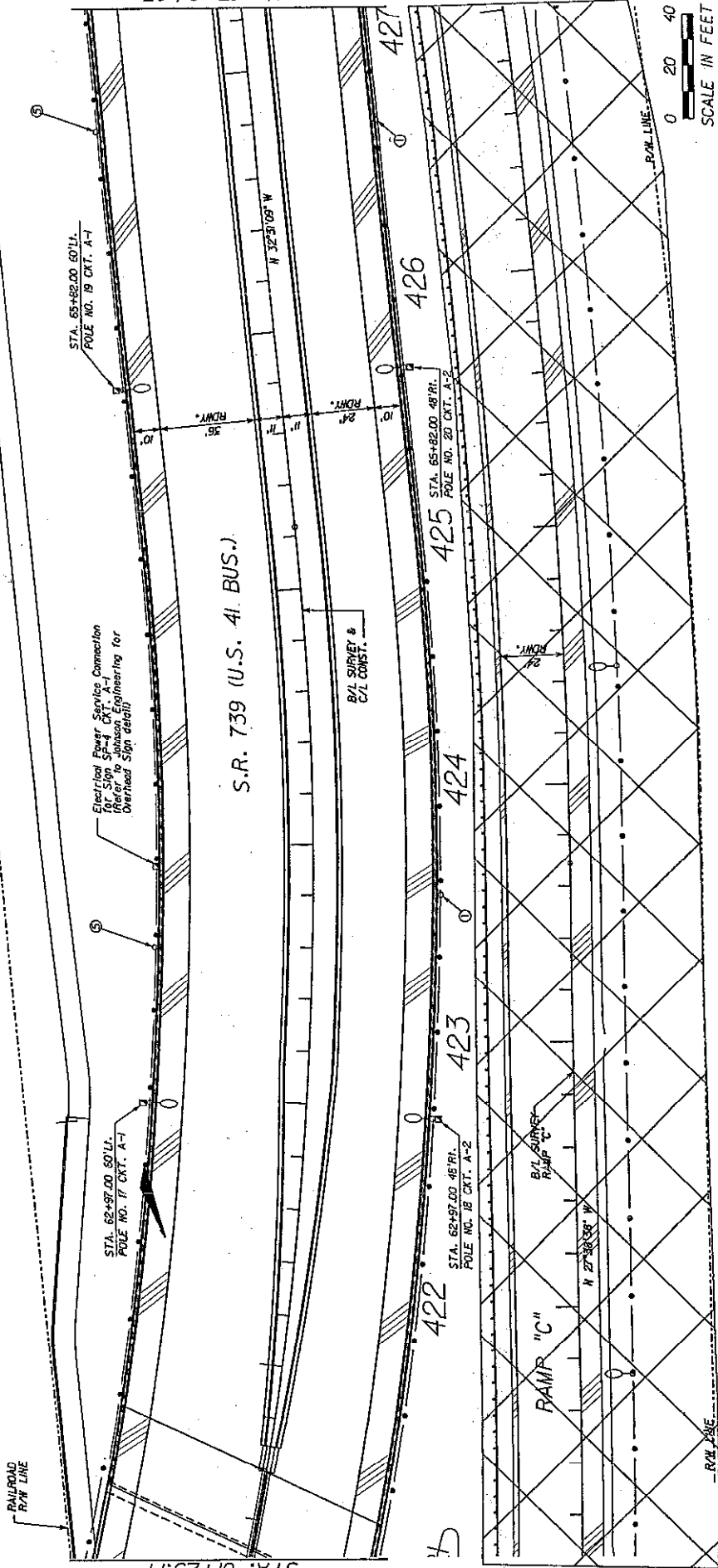
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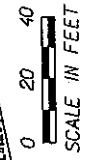
RAILROAD
R/W LINE

67

STA. 67+24.63



STA. 61+25.14



LIGHTING PLAN

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

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 METRO TRANSPORTATION GROUP, INC.
 6800 WASHINGTON BOULEVARD
 SUITE 4-403
 FORT WORTH, TEXAS 76108

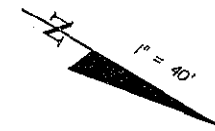
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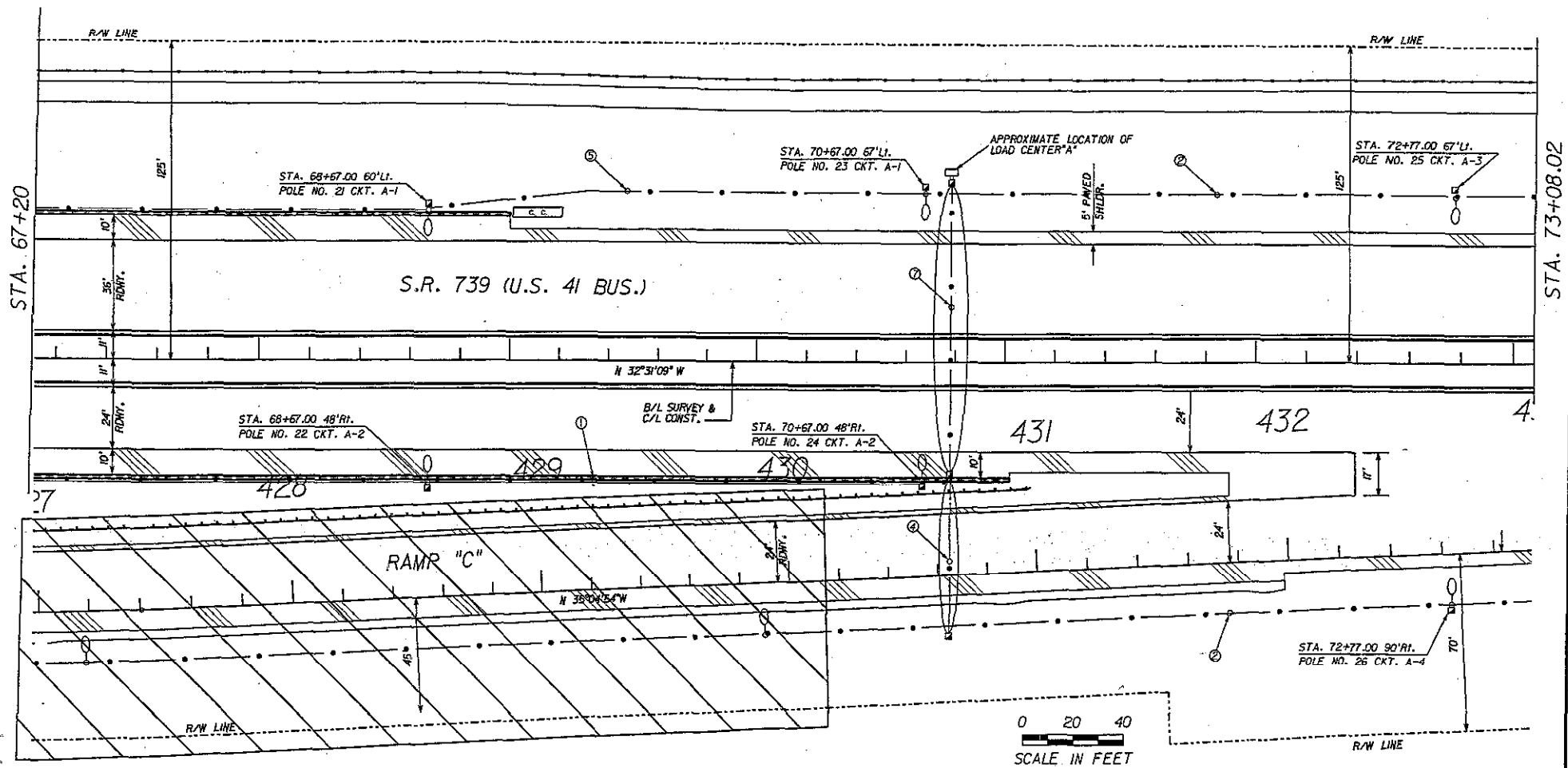
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68 69 70 71 72 73



STA. 67+20

STA. 73+08.02

S.R. 739 (U.S. 41 BUS.)

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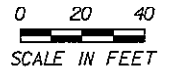
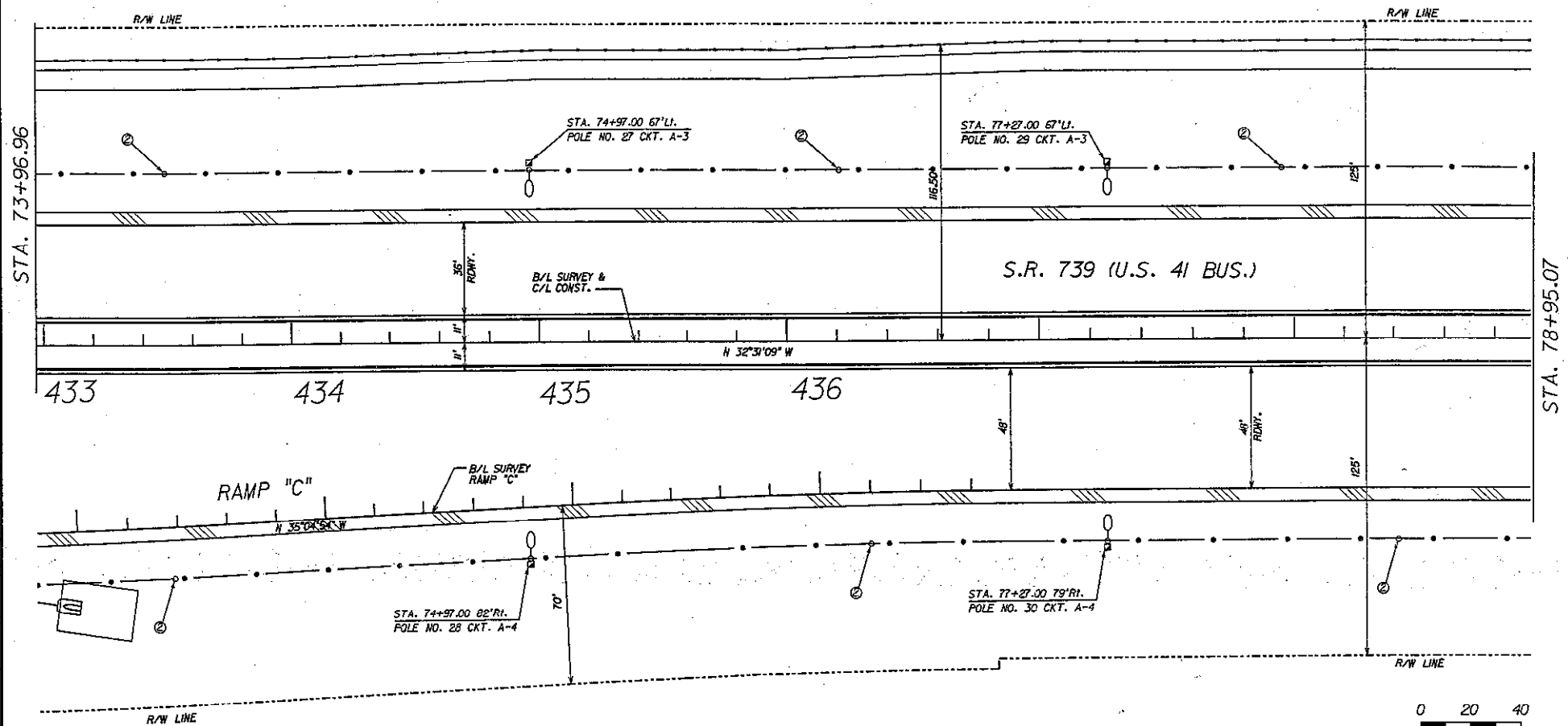
METRO TRANSPORTATION GROUP, INC.
 1205 MCCORMICK BOULEVARD
 SUITE 4-403
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



73 74 75 76 77 78



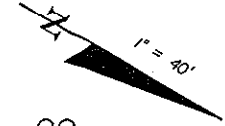
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWITT, INC.
 823 BAYSIDE DRIVE
 FORT MYERS, FLORIDA 33909

METRO TRANSPORTATION GROUP, INC.
 12651 MCNEIDER BOULEVARD
 SUITE 4-63
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



85

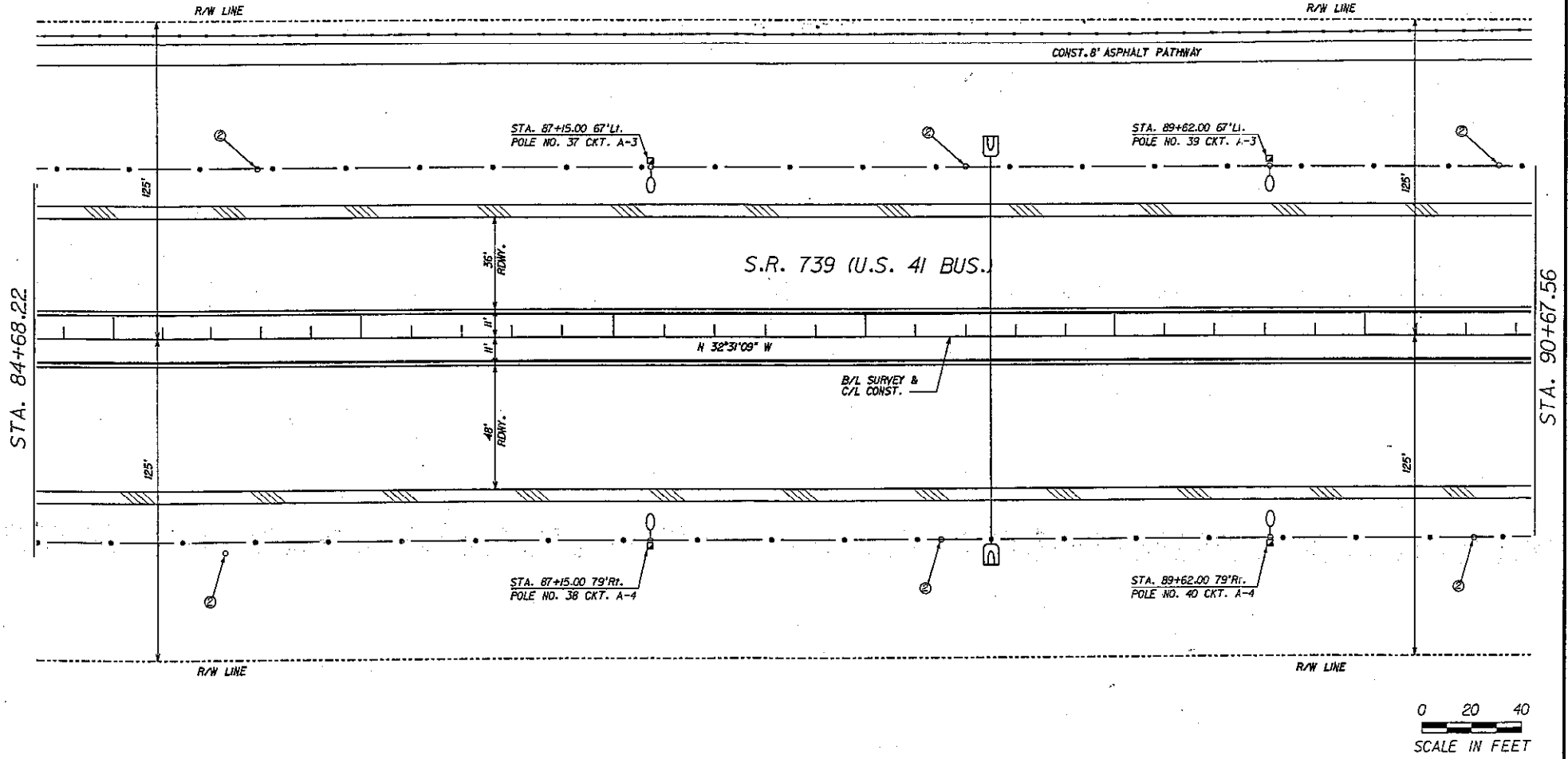
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STA. 84+68.22

STA. 90+67.56

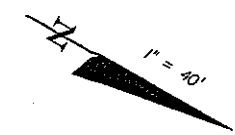
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 623 BAYSIDE DRIVE
 FORT MYERS, FLORIDA 33909

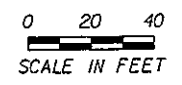
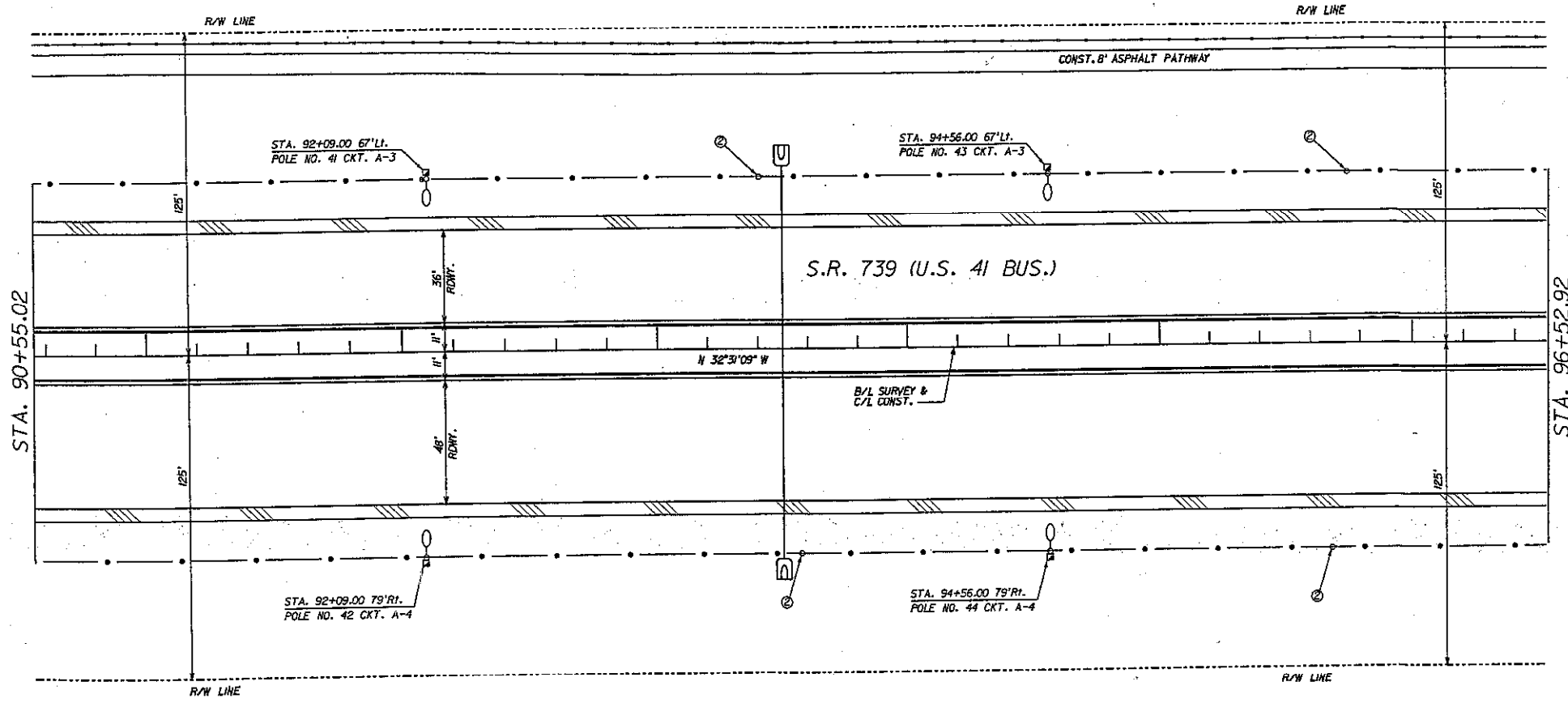
METRO TRANSPORTATION GROUP, INC.
 1259 WINDSOR BOULEVARD
 SUITE 4-403
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



91 92 93 94 95 96



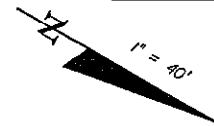
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JEFFERY J. JEWITT, INC.
823 BAYSIDE DRIVE
FORT MYERS, FLORIDA 33909

WETRO TRANSPORTATION GROUP, INC.
12651 MONROE BOULEVARD
SUITE #403
FORT MYERS, FLORIDA 33919

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



103

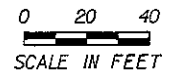
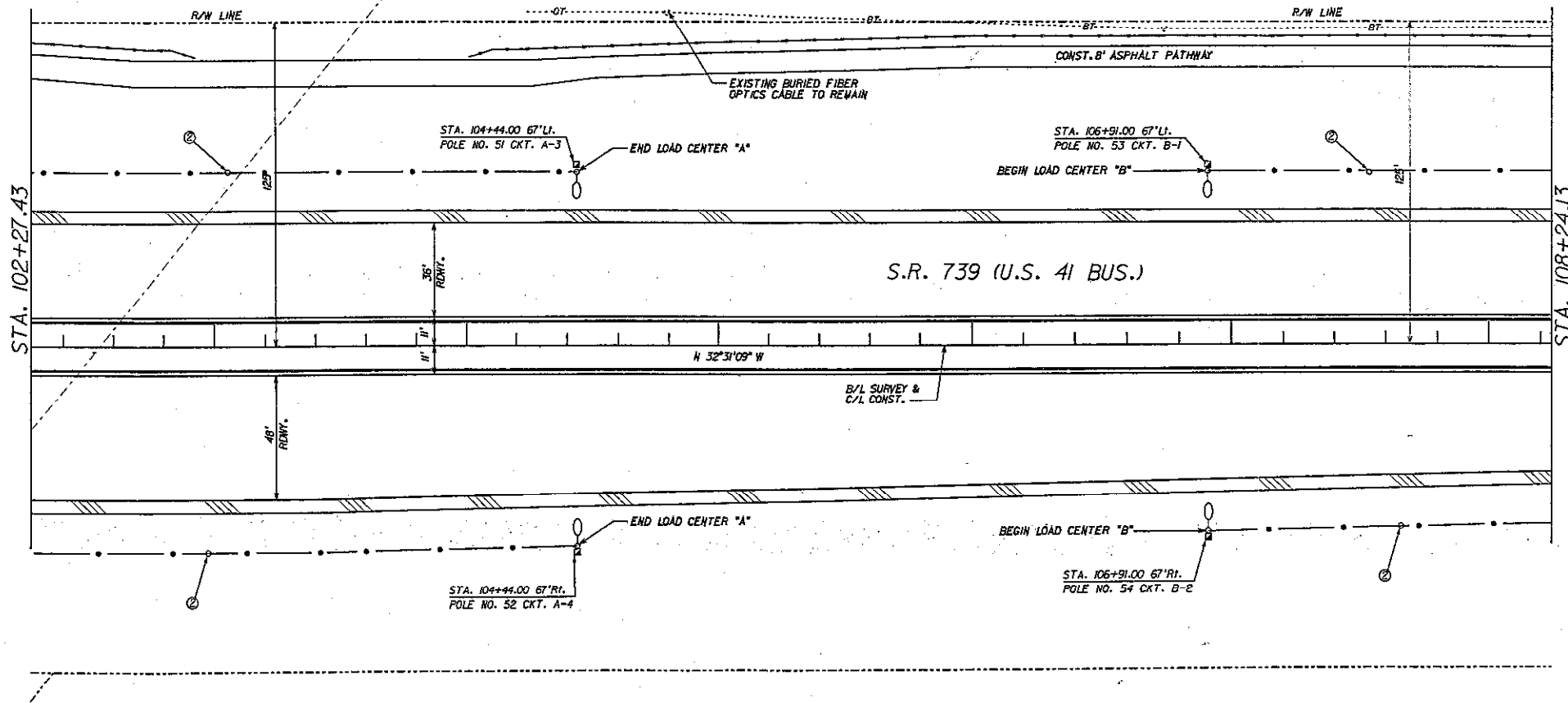
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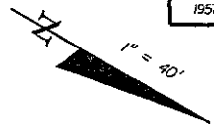
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108



REVISIONS				JEFFERY J. JEWITT, INC.		METRO TRANSPORTATION GROUP, INC.		STATE OF FLORIDA	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



109

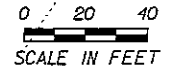
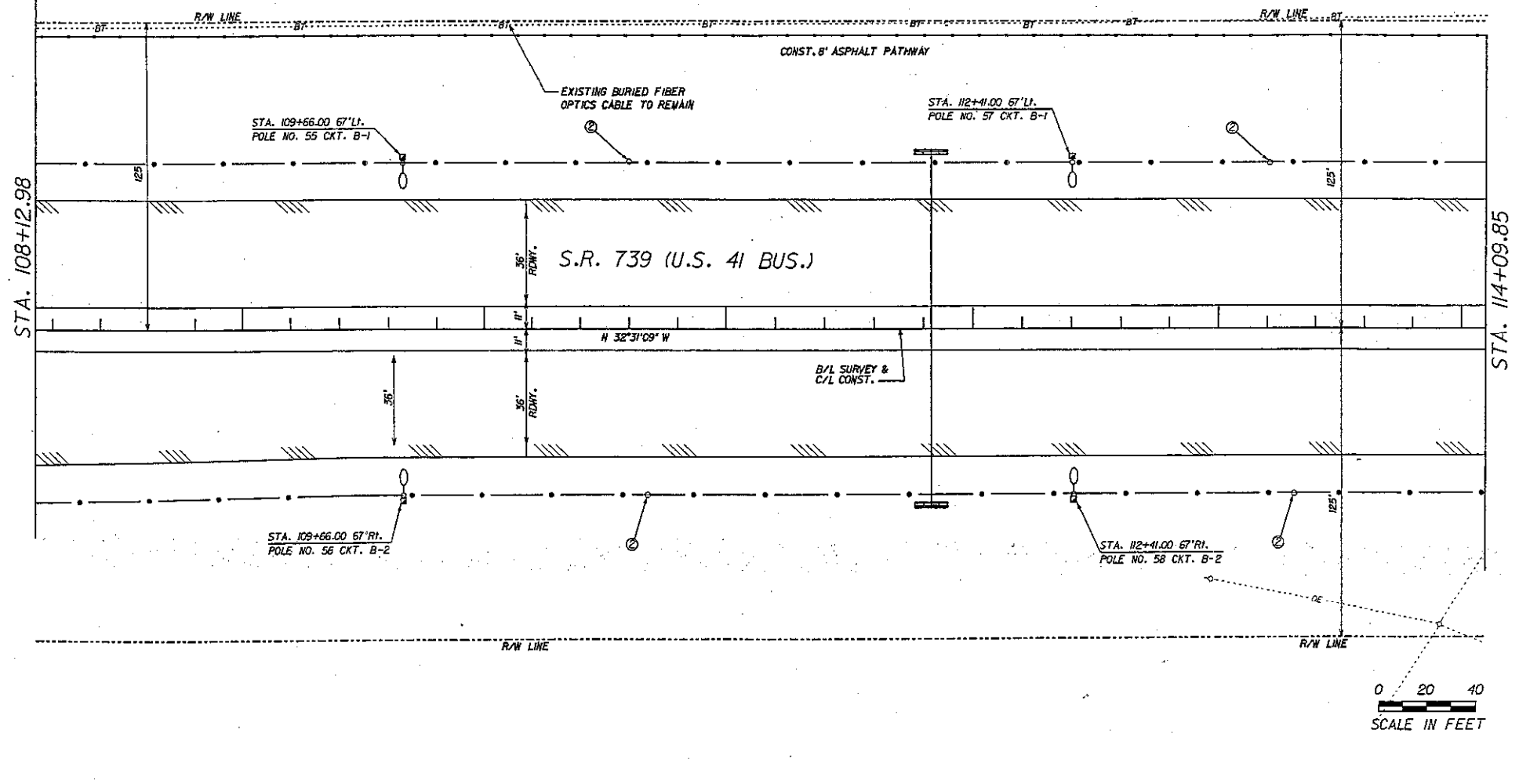
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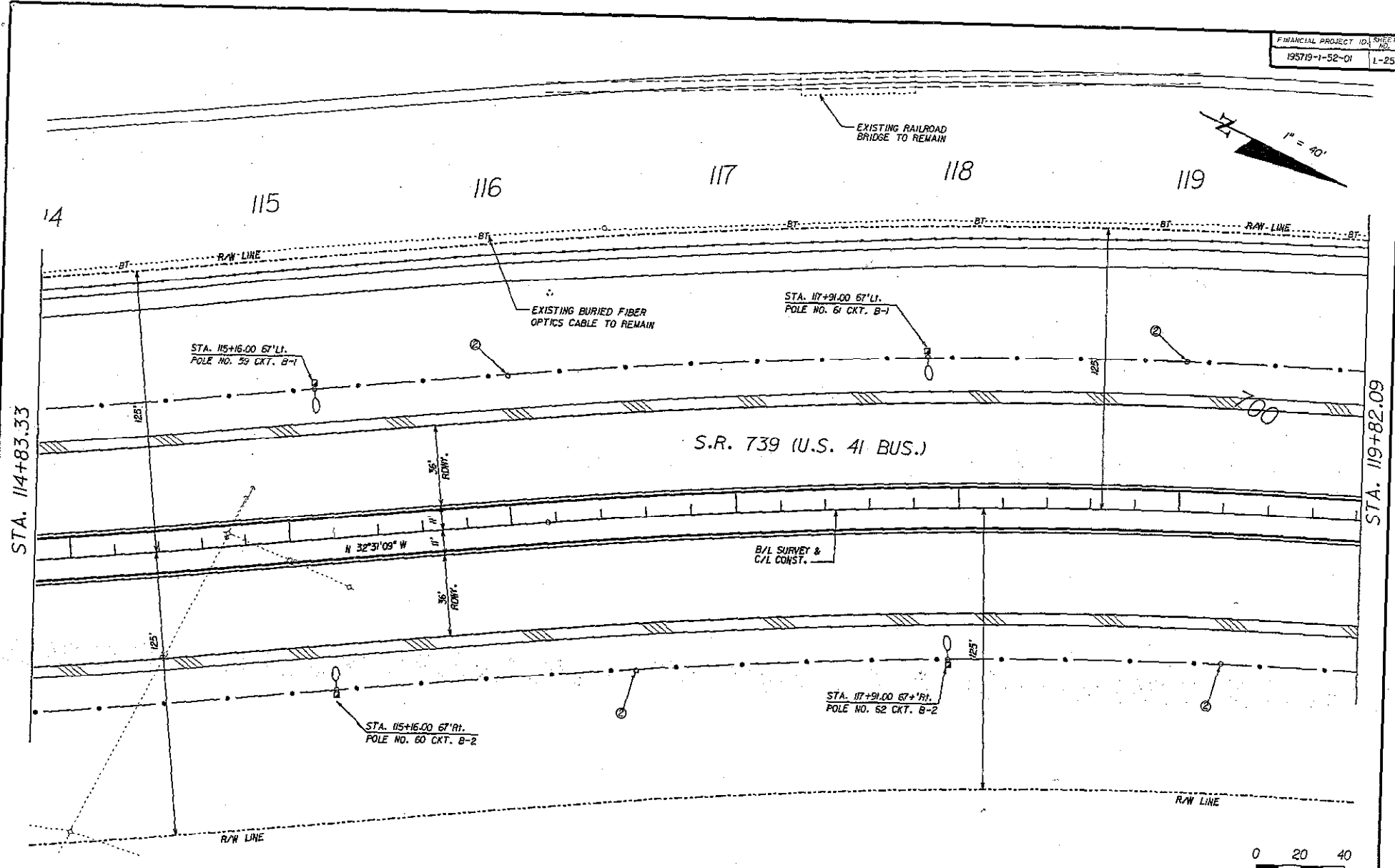
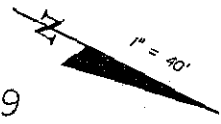
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DATE	BY	DESCRIPTION	DATE									

JEFFERY J. JEWITT, INC.
623 BAYSIDE DRIVE
FORT MYERS, FLORIDA 33909

METRO TRANSPORTATION GROUP, INC.
1265W MCCORMICK BOULEVARD
SUITE 4-403
FORT MYERS, FLORIDA 33909

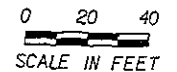
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



STA. 114+83.33

STA. 119+82.09



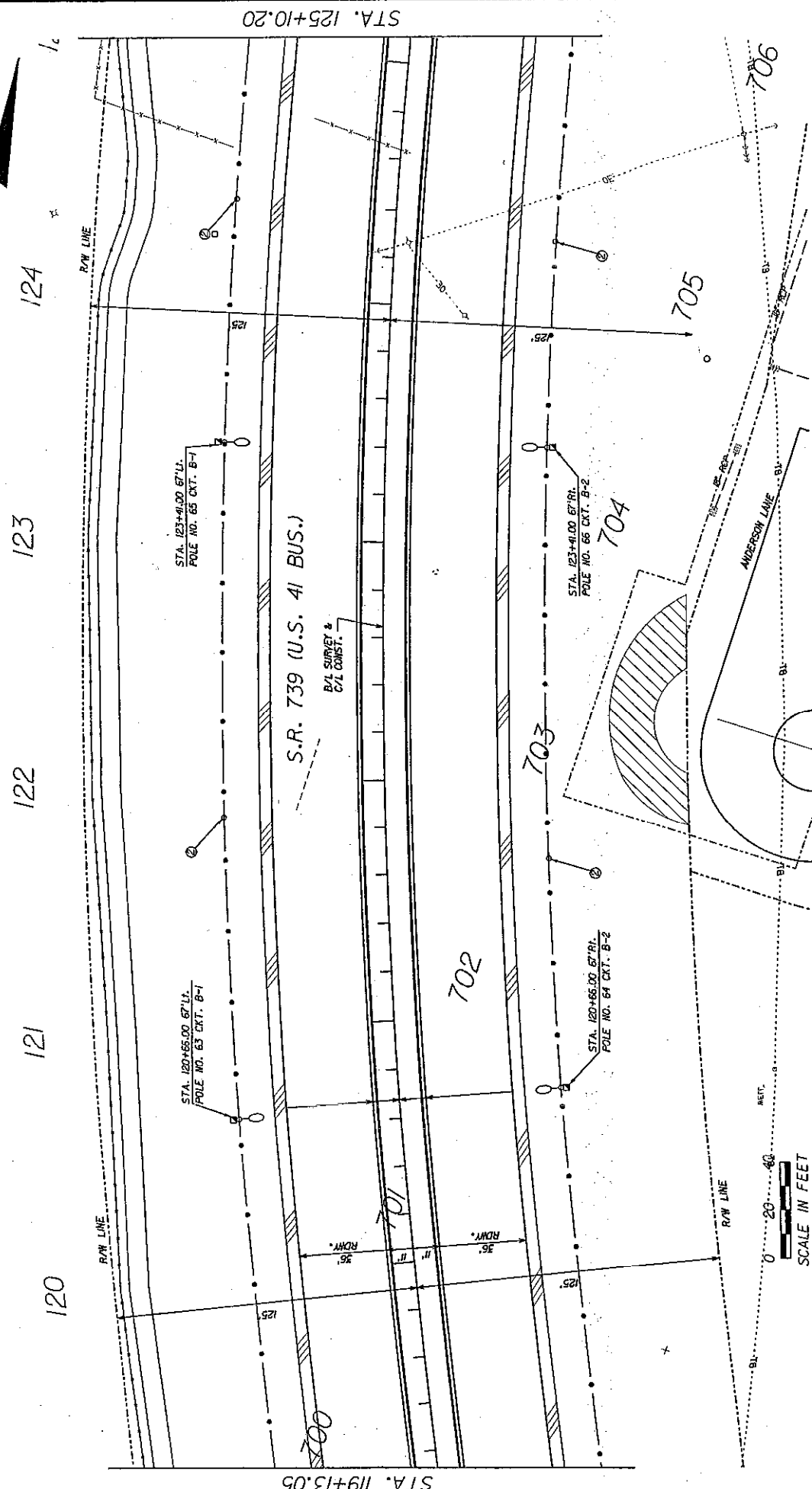
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JEFFERY J. JEWITT, INC.
 623 BAYSIDE DRIVE
 FORT MYERS, FLORIDA 33908

METRO TRANSPORTATION GROUP, INC.
 10251 WASHINGTON BOULEVARD
 SUITE 4-63
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



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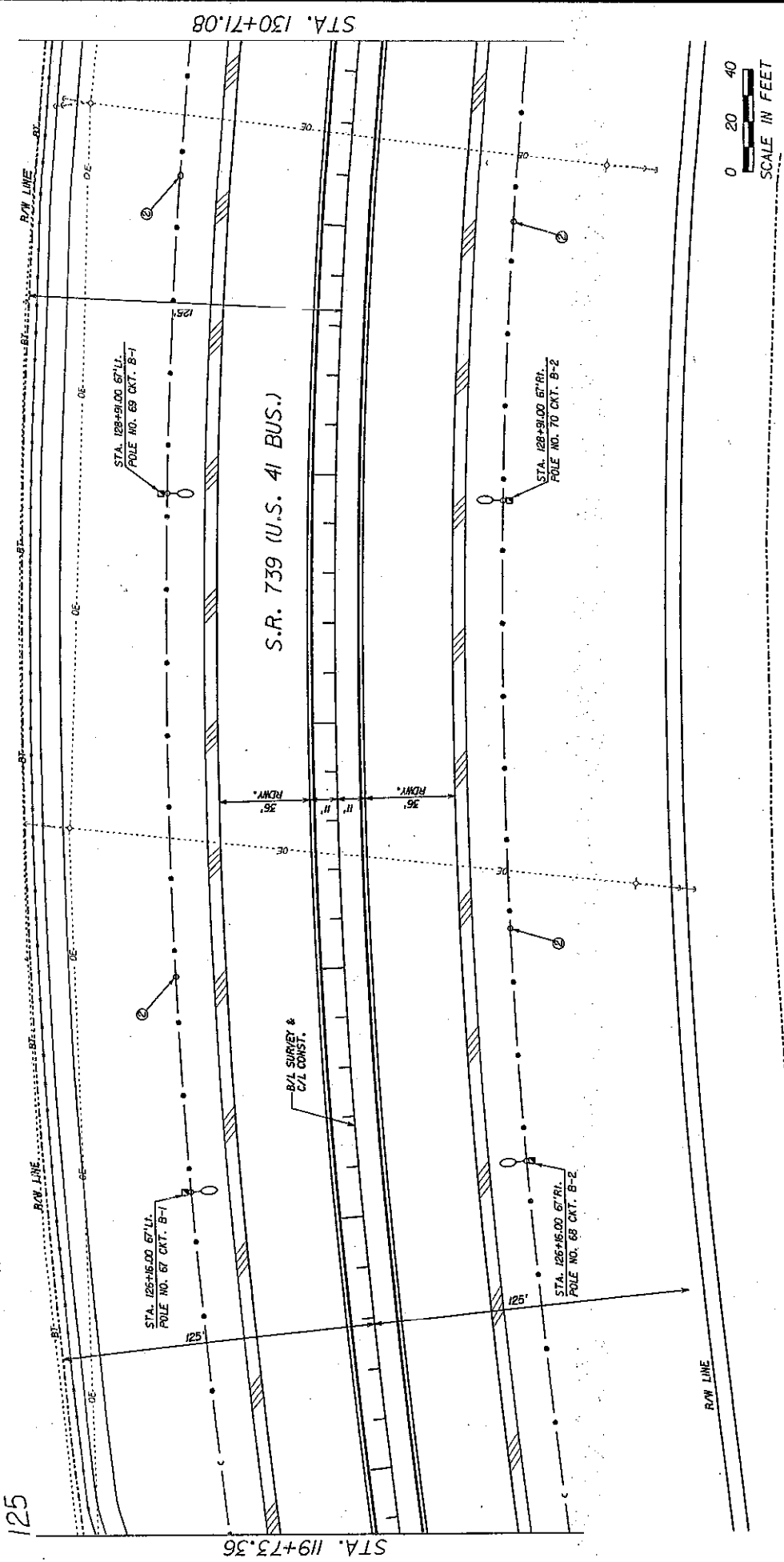
JEFFERY J. JEWETT, INC.
503 BRADSHAW DRIVE
FORT WORTH, TEXAS 76106

METRO TRANSPORTATION GROUP, INC.
1559 ANDERSON BOULEVARD
FORT WORTH, TEXAS 76106

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

1" = 40'
 130



0 20 40
 SCALE IN FEET

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 METRO TRANSPORTATION GROUP, INC.
 1285 MONROE BOULEVARD
 SUITE 4000
 FORT WORTH, TEXAS, 76109
 JEFFERY A. JEWITT, INC.
 625 BARBECUE DRIVE
 FORT WORTH, TEXAS, 76109

LIGHTING PLAN

STA. 130+71.08

STA. 119+73.36

S.R. 739 (U.S. 41 BUS.)

B/L SURVEY & C/L CONST.

STA. 128+91.00 67' LI.
 POLE NO. 69 CKT. B-1

STA. 126+16.00 67' LI.
 POLE NO. 67 CKT. B-1

STA. 128+91.00 67' LI.
 POLE NO. 70 CKT. B-2

STA. 128+91.00 67' LI.
 POLE NO. 70 CKT. B-2

R/W LINE

R/W LINE

R/W LINE

125

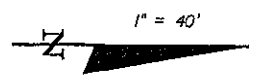
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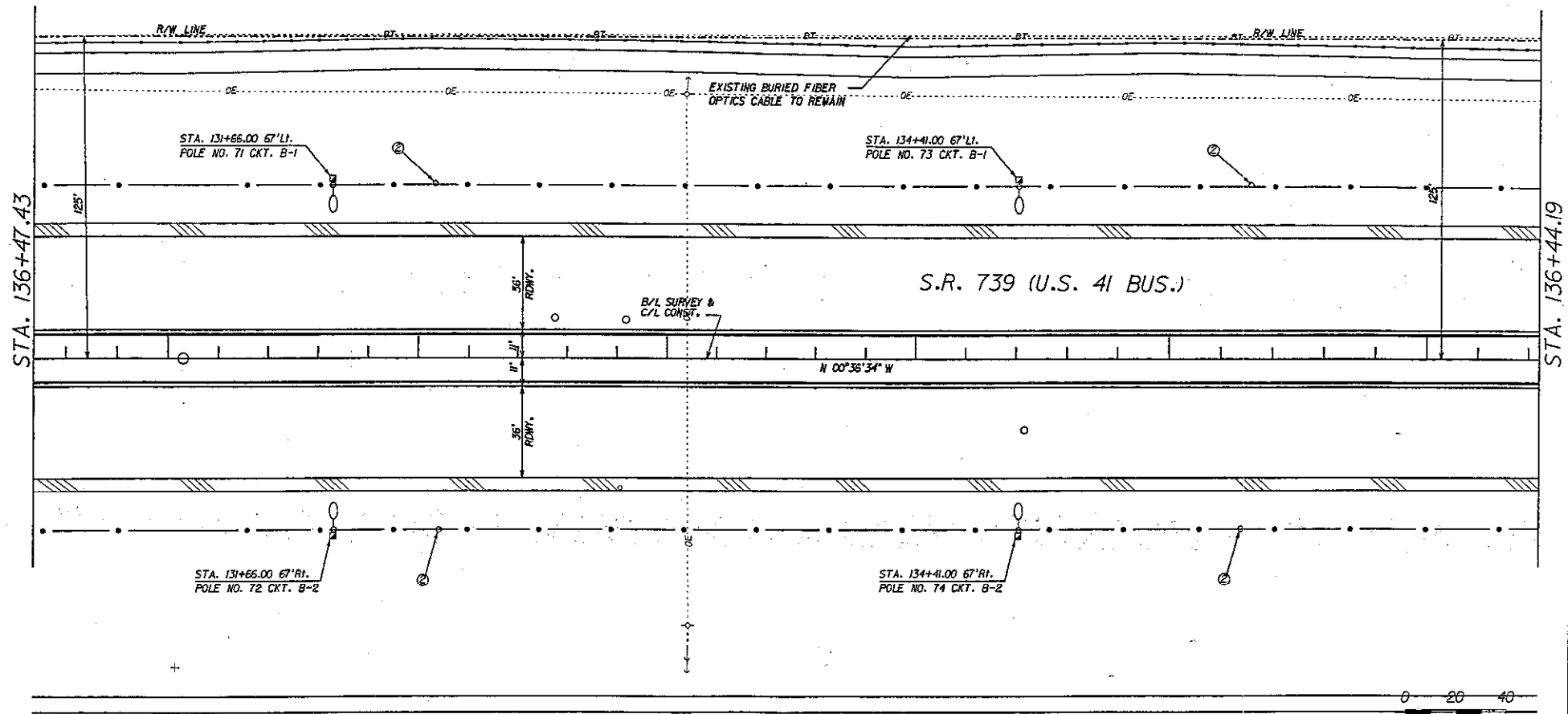
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131 132 133 134 135 136



STA. 136+47.43

STA. 136+44.19



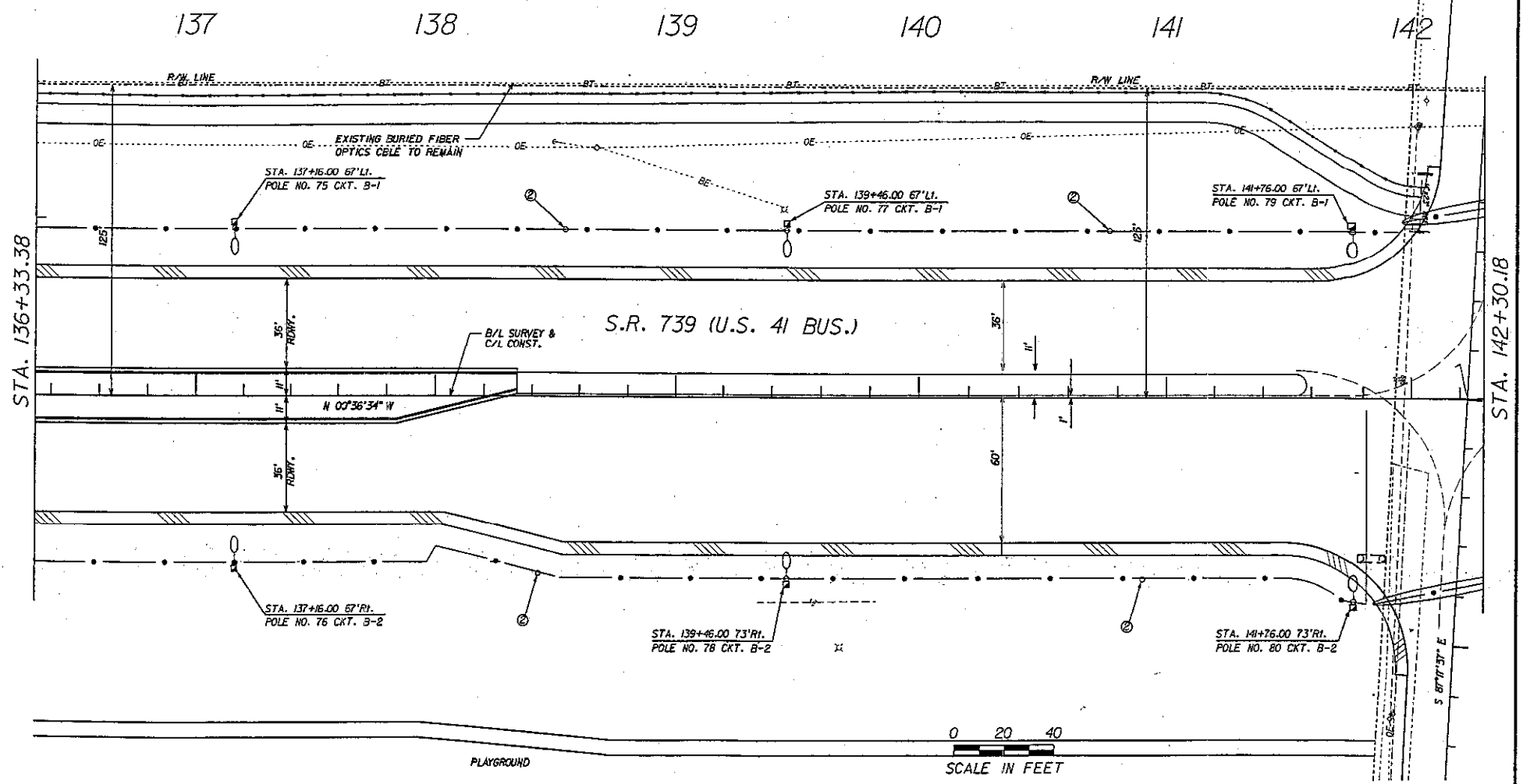
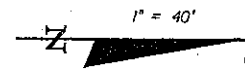
DATE		BY		DESCRIPTION		REVISIONS		DATE		BY		DESCRIPTION	

JEFFERY J. JEWITT, INC.
623 BAYSIDE DRIVE
FORT MYERS, FLORIDA 33909

WETRO TRANSPORTATION GROUP, INC.
12651 MCGREGOR BOULEVARD
SUITE 4-403
FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWITT, INC.
623 BAYSIDE DRIVE
FORT WERS, FLORIDA 33509

WETRO TRANSPORTATION GROUP, INC.
1055H MCGREGOR BOULEVARD
SUITE 4-403
FORT WERS, FLORIDA 33919

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

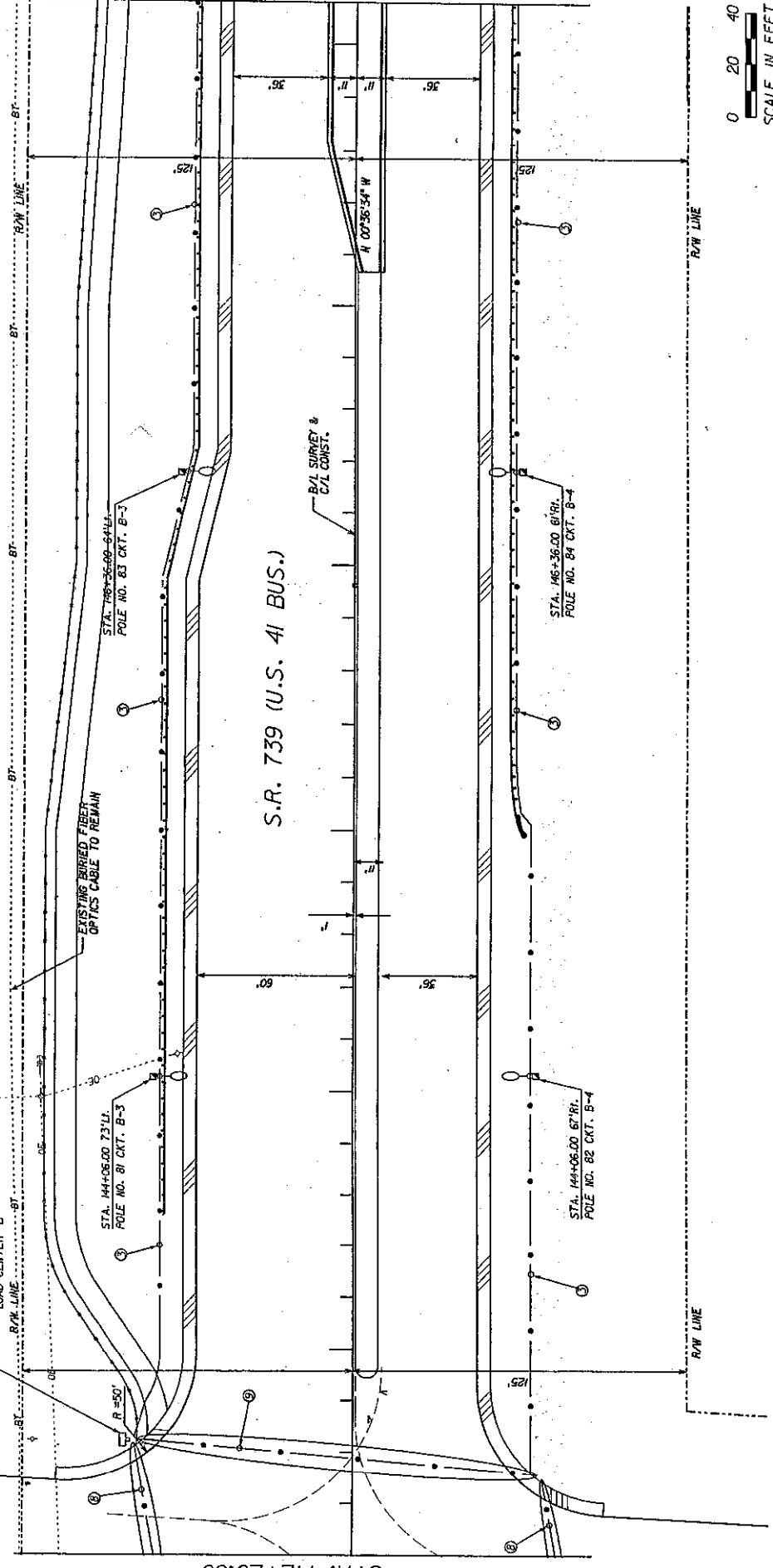
1" = 40'



143 144 145 146 147 148

STA. 148+16.23

STA. 142+20.00

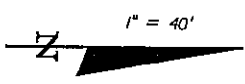


DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION

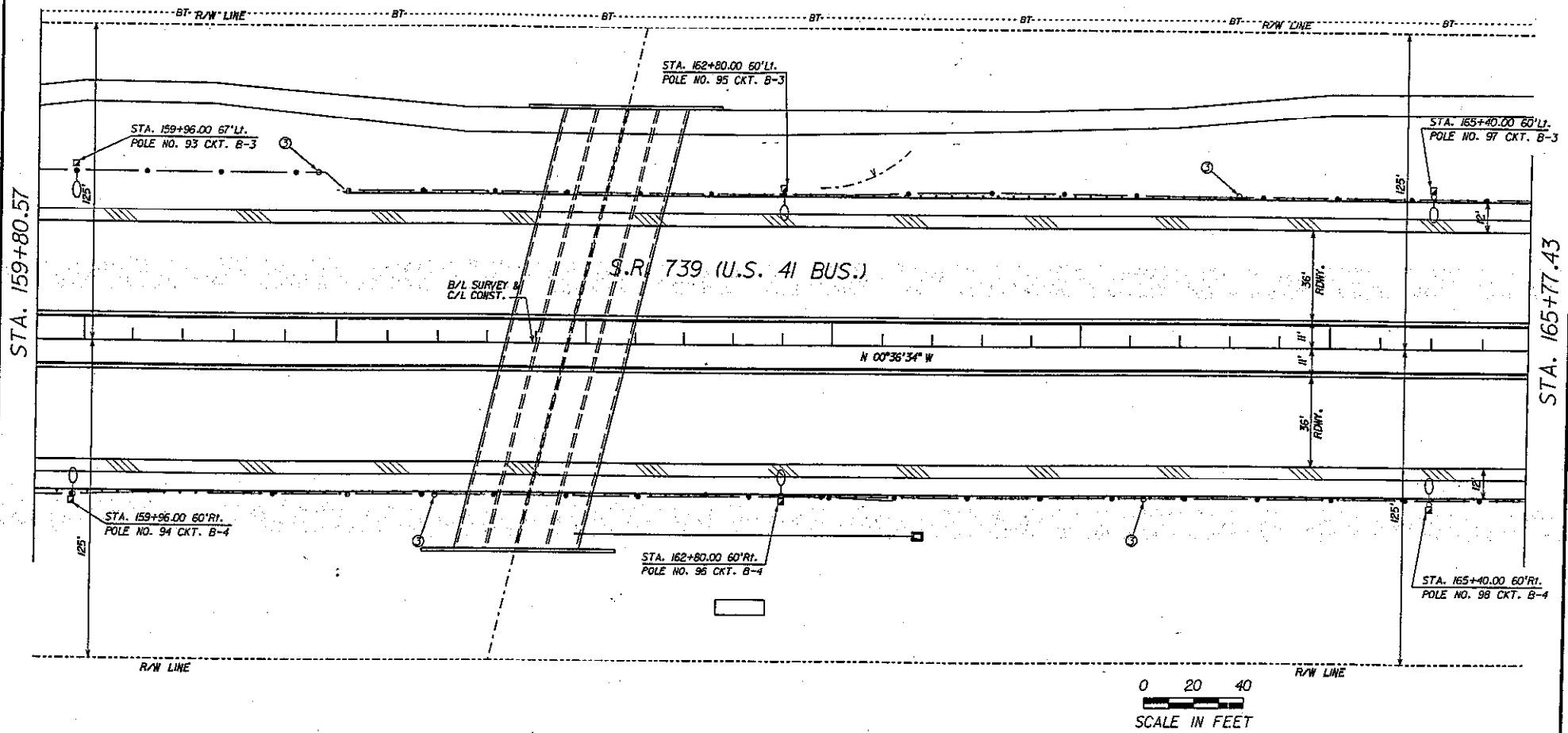
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

JEFFERY L. BEWITT, INC.
METRO TRANSPORTATION GROUP, INC.
4800 W. WINDY HILL ROAD
SUITE 4-403
FORT WERTHS, FLORIDA 3399

LIGHTING PLAN



160 161 162 163 164 165



STA. 159+80.57

STA. 165+77.43

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

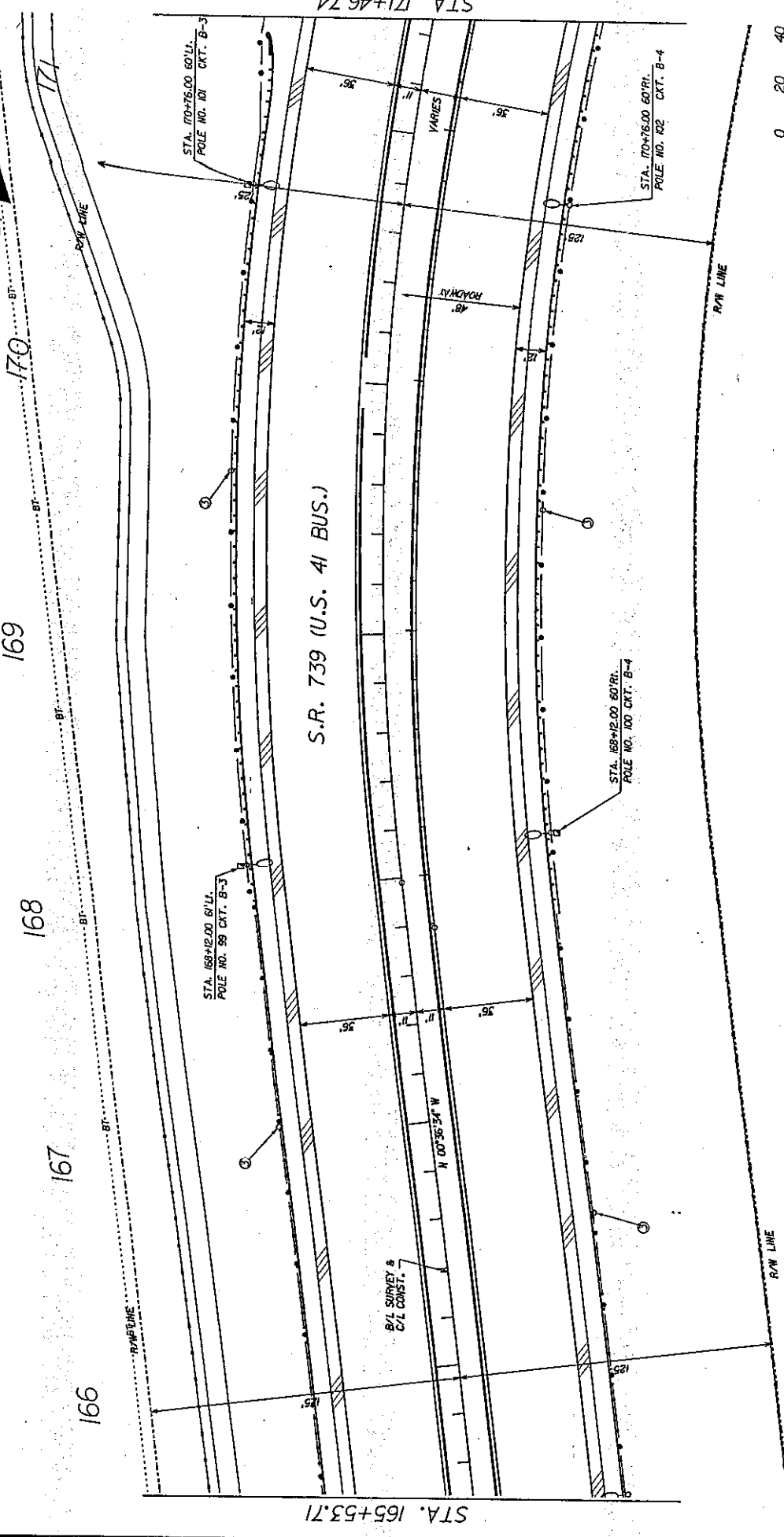
JEFFERY J. JEWITT, INC.
623 DAVISON DRIVE
FORT MYERS, FLORIDA 33909

METRO TRANSPORTATION GROUP, INC.
1659 MCNEIDER BOULEVARD
SUITE 4-103
FORT MYERS, FLORIDA 33906

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

1" = 40'



0 20 40
SCALE IN FEET

LIGHTING PLAN

DATE		DESCRIPTION		REVISED		DATE		DESCRIPTION	

JEFFERY J. JEWETT, INC.
323 BANCROFT DRIVE
FORT WORTH, TEXAS 76104

METRO TRANSPORTATION GROUP, INC.
1855 MOSBORN BOULEVARD
SUITE 400
FORT WORTH, TEXAS 76104

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

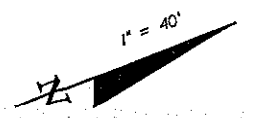
172

173

174

175

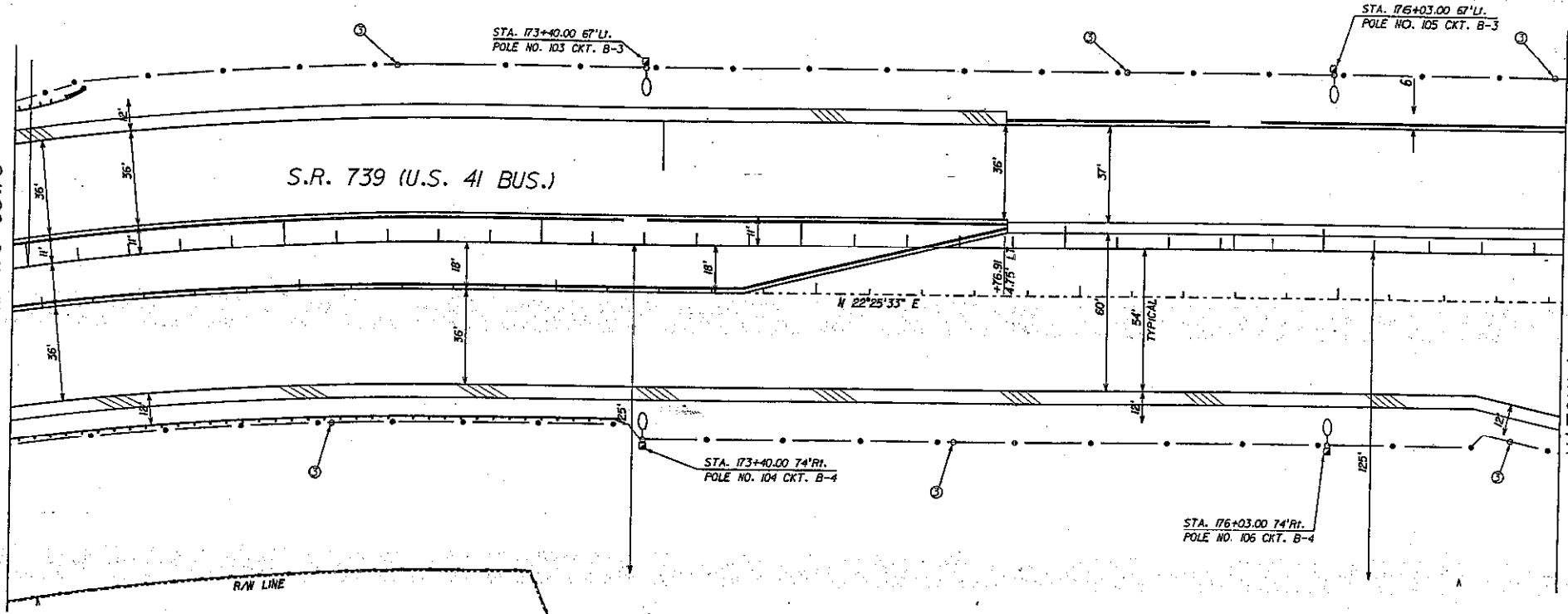
176



MATCHLINE STA. 170+93.76

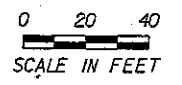
MATCHLINE STA. 176+90.97

S.R. 739 (U.S. 41 BUS.)



R/W LINE

R/W LINE



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. LEWITT, INC.
623 BAYSIDE DRIVE
FORT MYERS, FLORIDA 33909

METRO TRANSPORTATION GROUP, INC.
12651 INDEPENDENT BOULEVARD
SUITE 4-403
FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

183

182

181

180

179

178

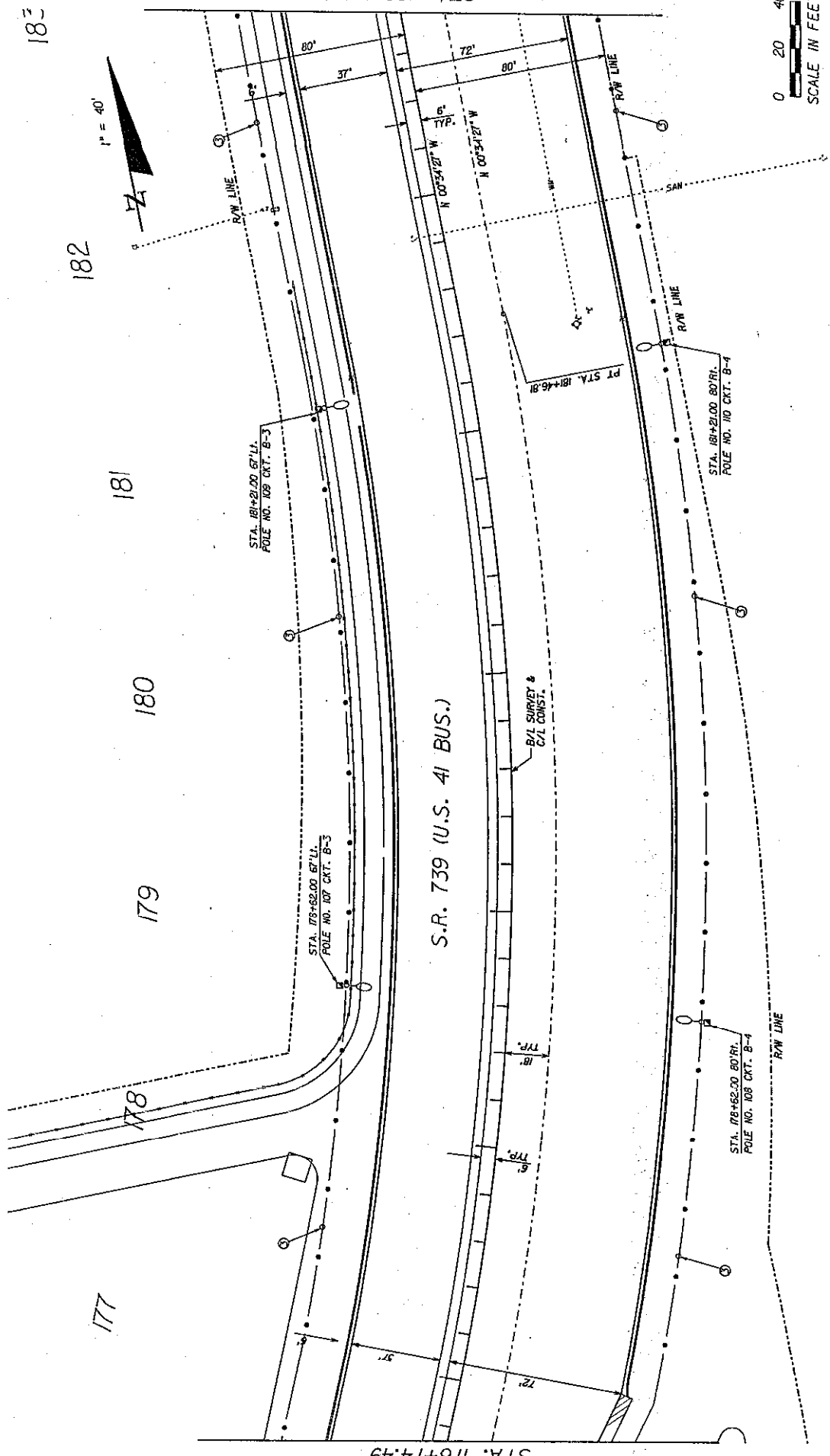
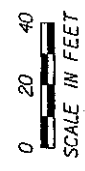
177

STA. 182+75.42

STA. 176+74.49

S.R. 739 (U.S. 41 BUS.)

1" = 40'



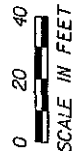
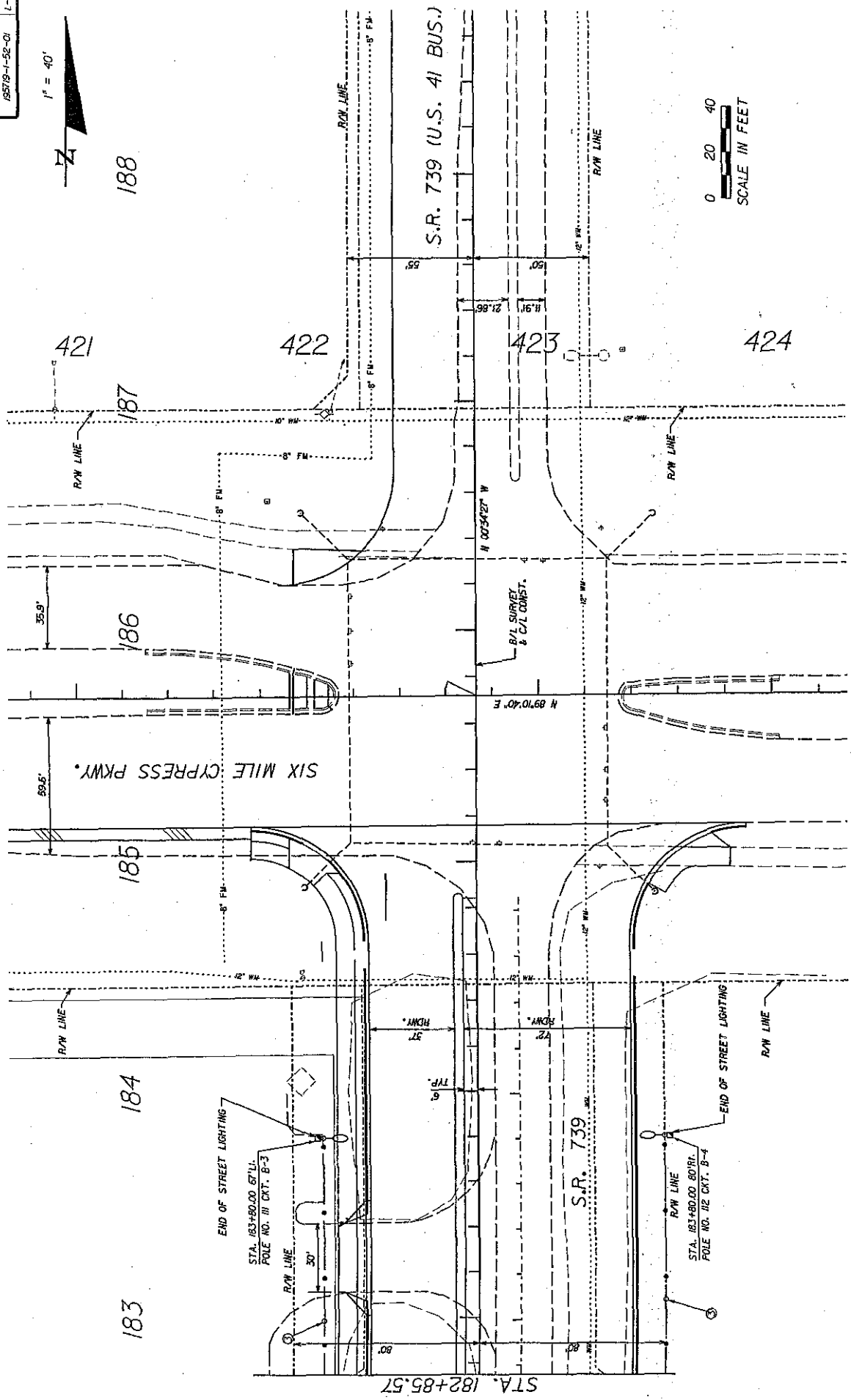
STATES OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

METRO TRANSPORTATION GROUP, INC.
 1288 WINDSOR BOULEVARD
 FORT WORTH, TEXAS 76104

JEFFERY J. JEWETT, INC.
 623 BAYSHORE DRIVE
 FORT WORTH, TEXAS 76106

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

LIGHTING PLAN



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

METRO TRANSPORTATION GROUP, INC.
1850 MACOSKEY BOULEVARD
SUITE 400
FORT WORTH, TEXAS 76104

JEFFERY J. HEWITT, INC.
634 BASSOCK DRIVE
FORT WORTH, TEXAS 76104

DATE:

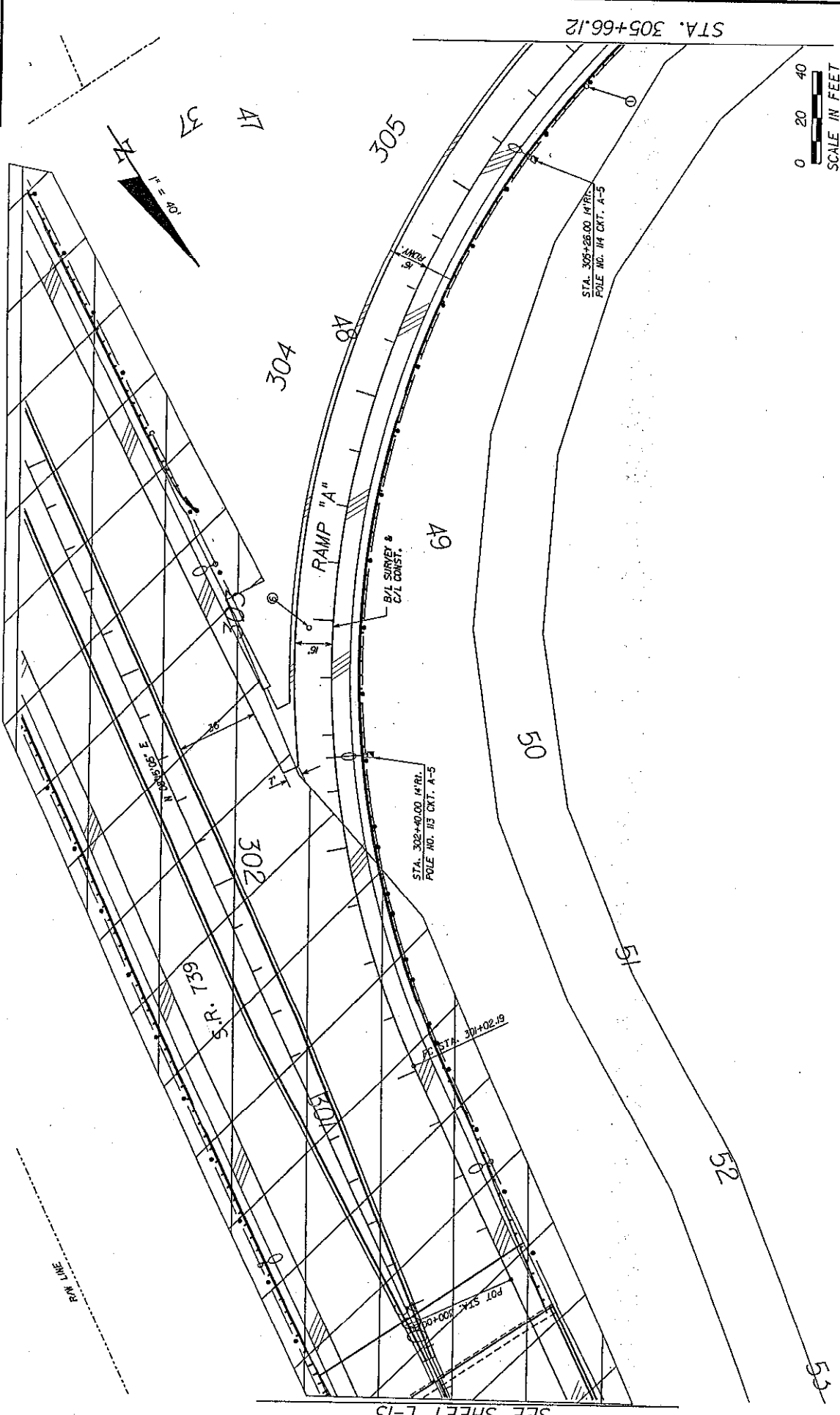
DESCRIPTION:

DATE:

DESCRIPTION:

LIGHTING PLAN

FINANCIAL PROJECT NO. SHEET NO.
 195719-1-52-C1 L-38



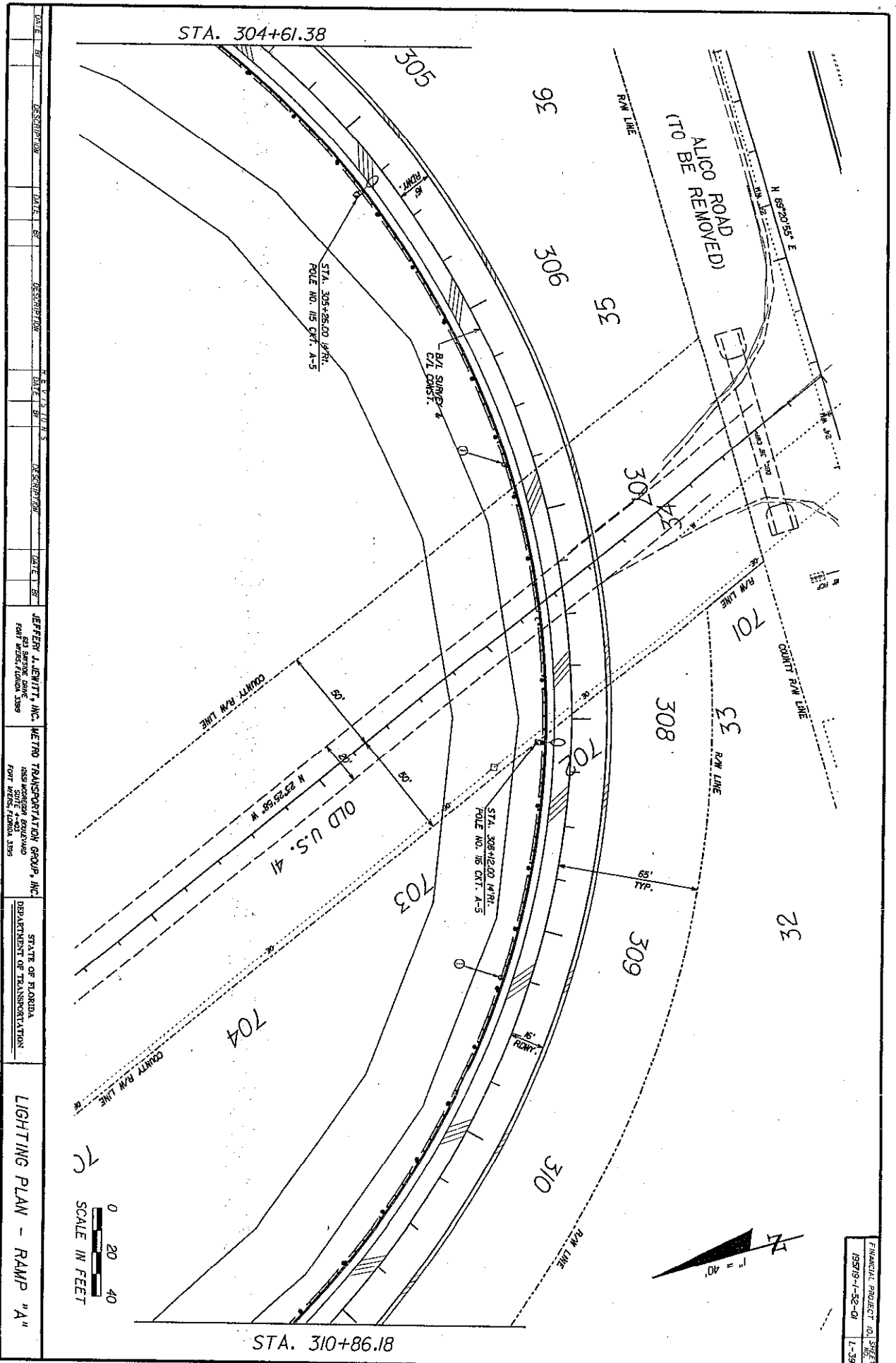
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWETT, INC.
 1000 W. UNIVERSITY AVENUE
 FORT WORTH, TEXAS 76102-19

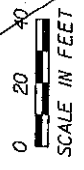
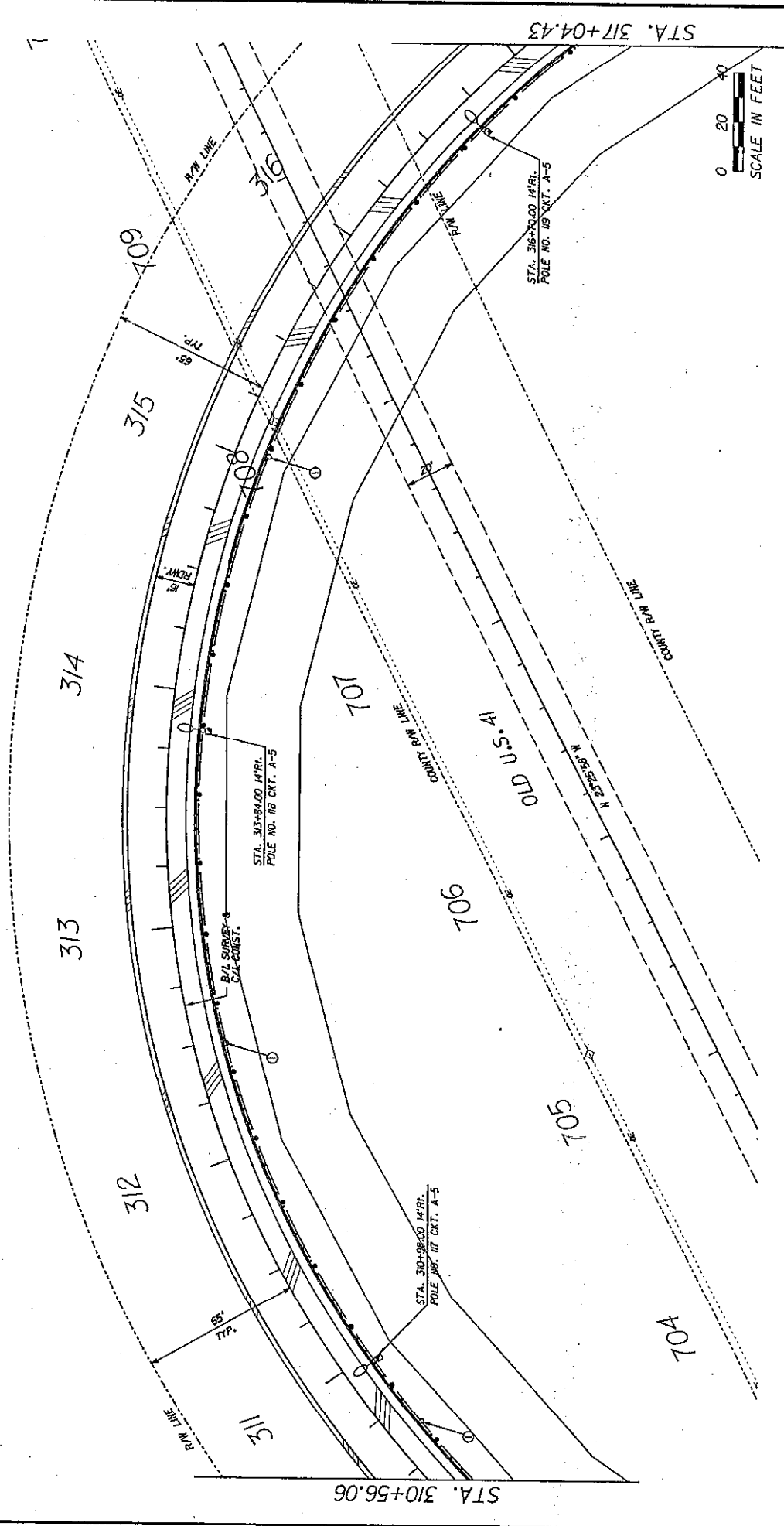
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - RAMP "A"

SEE SHEET L-13



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
JEFFERY J. JENYTT, INC. METRO TRANSPORTATION GROUP, INC.			STATE OF FLORIDA			LIGHTING PLAN - RAMP "A"		
FORT WORTH, FLORIDA 3398			DEPARTMENT OF TRANSPORTATION					
1838 SOUTH GAZLEWOOD								
FORT WORTH, FLORIDA 3398								



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWETT, INC. METRO TRANSPORTATION GROUP, INC.
 1550 WASHINGTON BOULEVARD
 SUITE 4-403
 FORT WORTH, TEXAS 76102

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - RAMP "A"

623

SEE ALICO ROAD PLAN,
 SHEET NO. 59

R/W LINE

ALICO ROAD
 (REALIGNED)

B/L SURVEY
 1800 ROAD
 (REALIGNED)

322

ST. STA. 322+03.41

321

S 59°23'30" E

320

STA. 389+55.00 MPRL
 POLE NO. 120 CRT. A-5

B/L SURVEY &
 C/L CONST.

R/W LINE

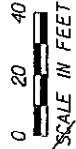
319

318

317

STA. 316+49.01

1" = 40'



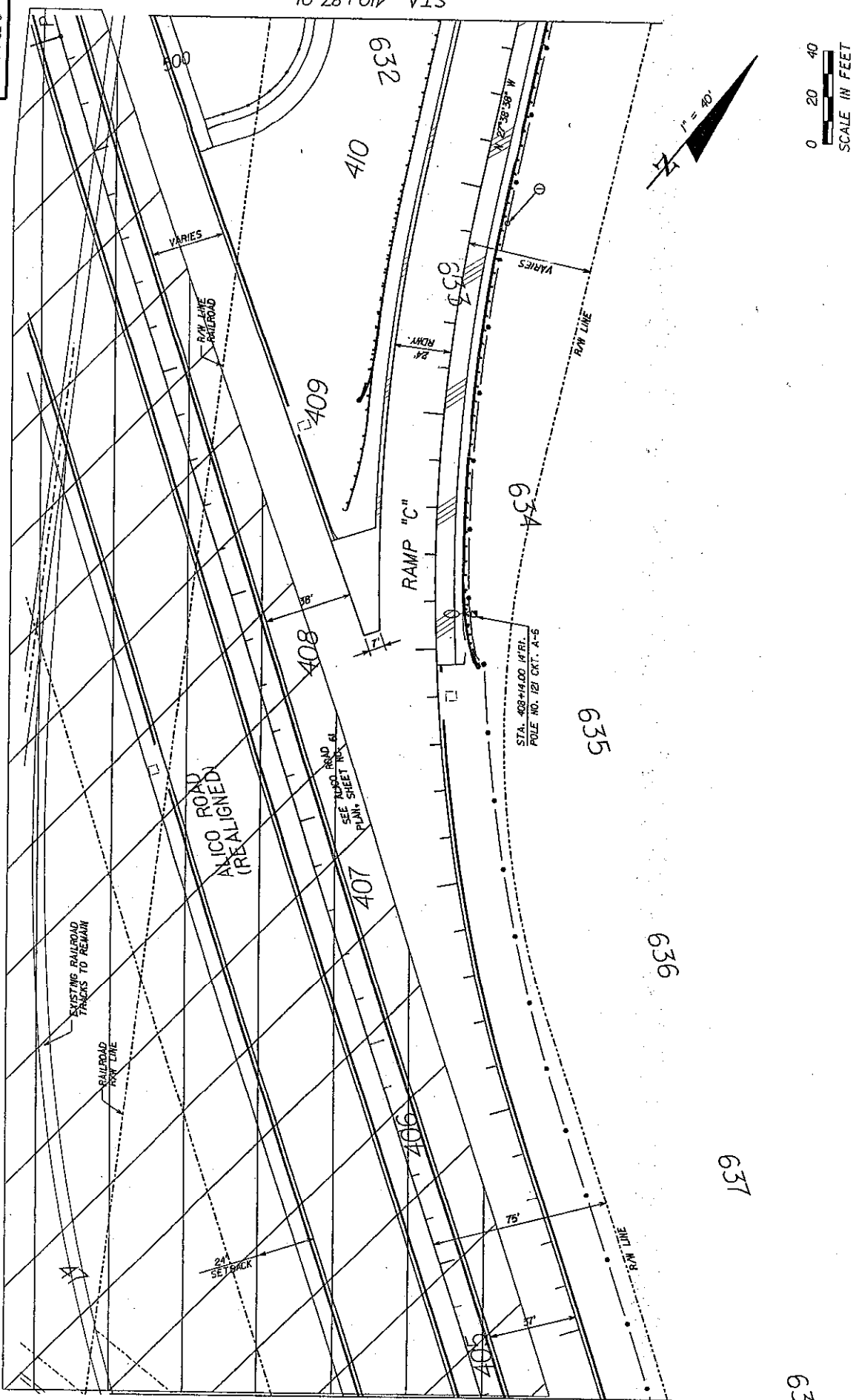
REVISIONS		DATE		DESCRIPTION	
NO.	BY	DATE	BY	DESCRIPTION	DATE

JEFFERY J. JEWITT, INC. METRO TRANSPORTATION GROUP, INC.
 4825 W. PALM BLVD. SUITE 403
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - RAMP "A"

STA. 410+87.01



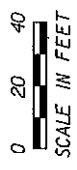
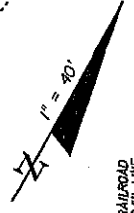
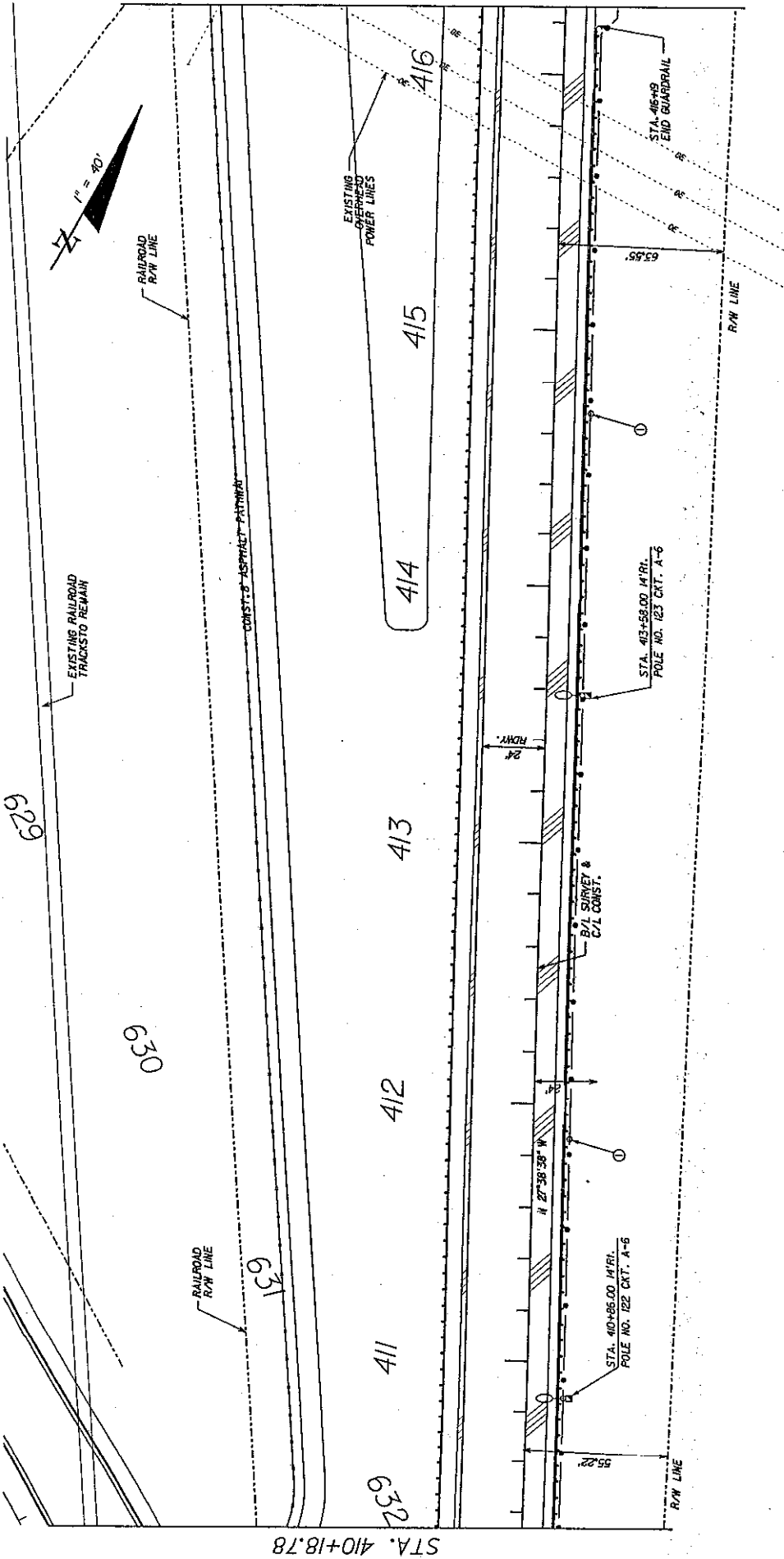
SEE SHEET L-46

LIGHTING PLAN - RAMP "C"

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

JEFFERY J. HEWITT, INC. METRO TRANSPORTATION GROUP, INC.
1250 W. BAYVIEW BOULEVARD
SUITE 4-403
FORT WERTS, FLORIDA 3399

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



LIGHTING PLAN - RAMP "C"

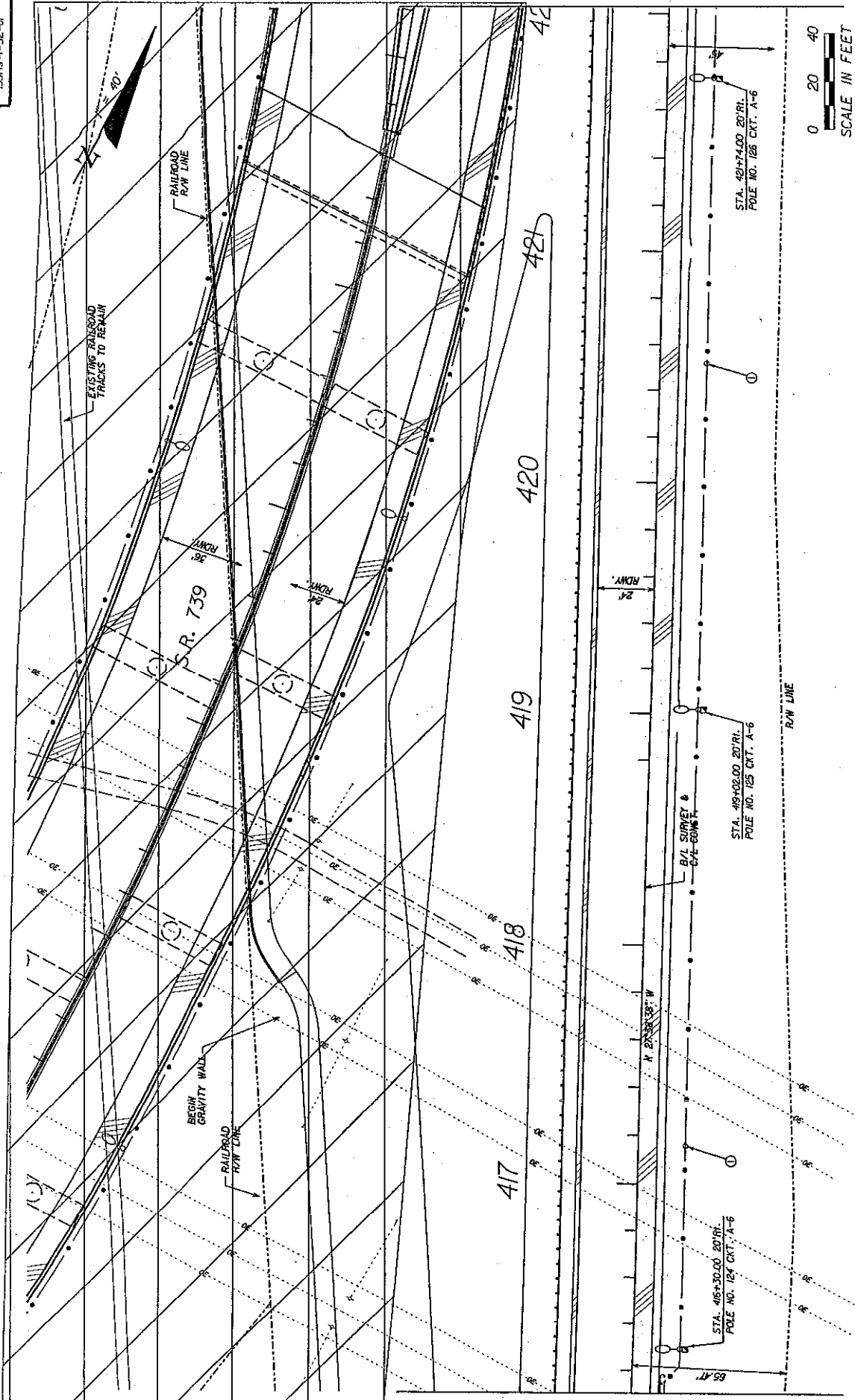
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

METRO TRANSPORTATION GROUP, INC.
 625 W. WASHINGTON BOULEVARD
 FORT WORTH, TEXAS 76102
 FORT WORTH, TEXAS 76102

JEFFERY J. JEWITT, INC.
 1500 W. WASHINGTON BOULEVARD
 FORT WORTH, TEXAS 76102

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STA. 422+02.71



STA. 410+10.39

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

JEFFERY J. JEWETT, INC. METRO TRANSPORTATION GROUP, INC.
1850 W. PALM BEACH BLVD., SUITE 200
WEST PALM BEACH, FLORIDA 33409

STA. 422+02.71
POLE NO. 126 CRT. A-6

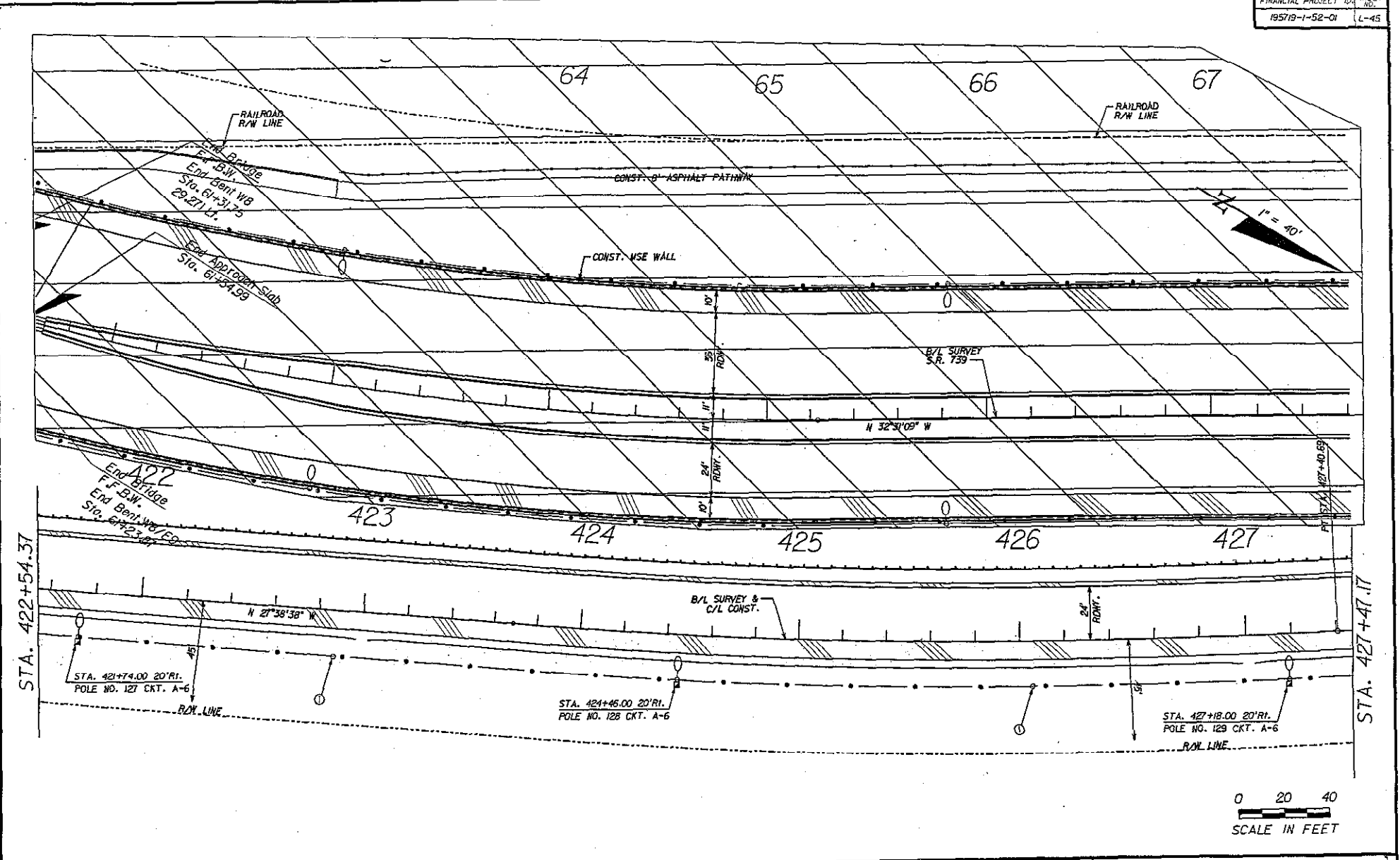
STA. 419+02.00 20' RI.
POLE NO. 125 CRT. A-6

STA. 416+30.00 20' RI.
POLE NO. 124 CRT. A-5

B/V SURVEY & CAL-GOING

SCALE IN FEET
0 20 40

LIGHTING PLAN - RAMP "C"



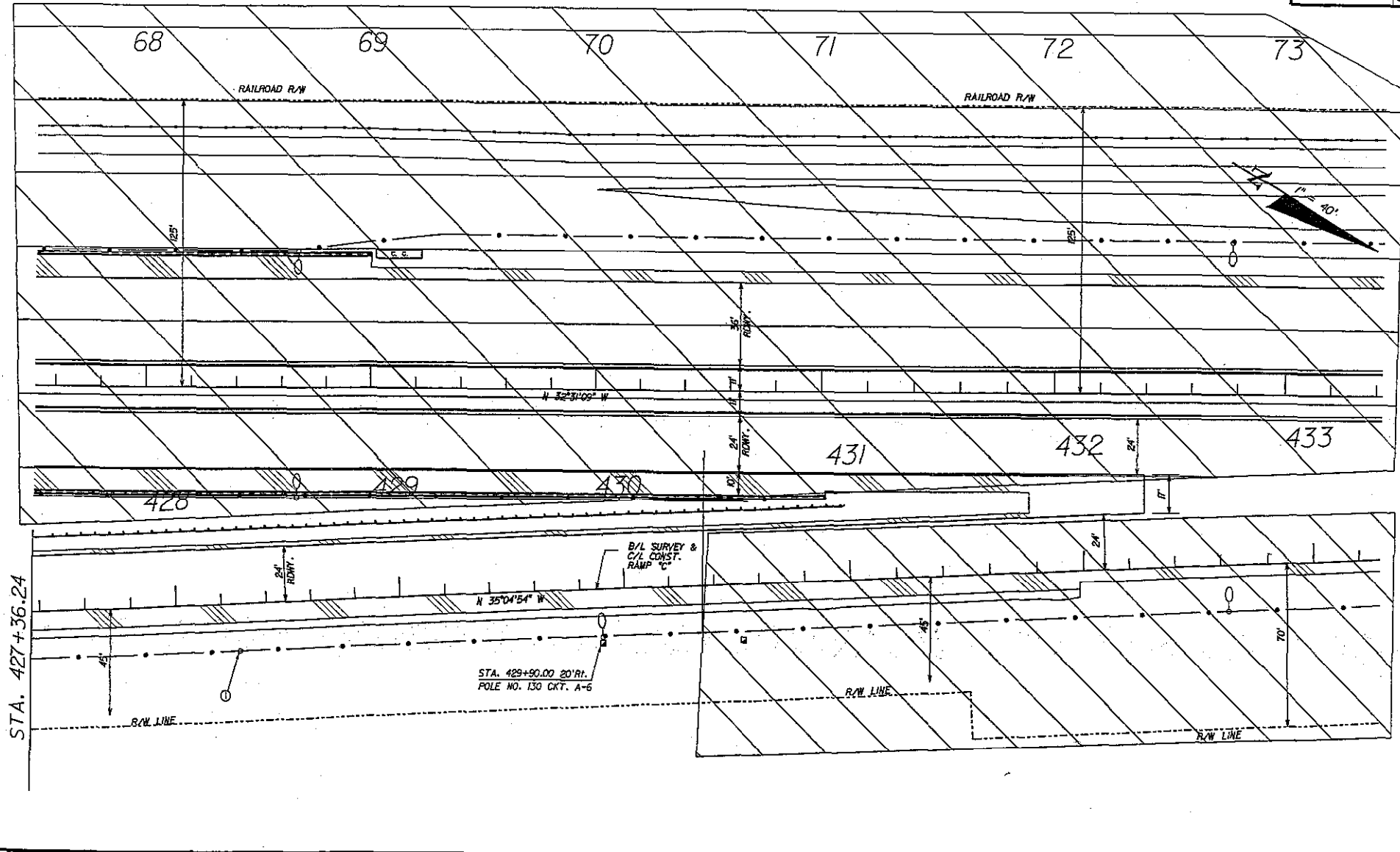
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWITT, INC.
 623 BAYSIDE DRIVE
 FORT MYERS, FLORIDA 33909

NETRO TRANSPORTATION GROUP, INC.
 12591 MORGESSOR BOULEVARD
 SUITE 4-402
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - RAMP "C"



STA. 427+36.24

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

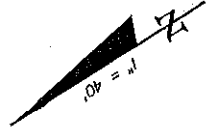
JEFFERY J. JEWITT, INC.
 653 BAYSIDE DRIVE
 FORT MYERS, FLORIDA 33909

WETRO TRANSPORTATION GROUP, INC.
 12655 MCGREGOR BOULEVARD
 SUITE 4-403
 FORT MYERS, FLORIDA 33909

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - RAMP "C"

FINANCIAL PROJECT ID: 155719-1-52-01
 SHEET: L-42



6

638

637

636

635

634

633

Electrical Power Service
 Connection For Signs
 (See Note SP-12, CCT A-6
 for details of Electrical Engineering for
 Overhead Sign Detail)

409

408

407

406

405

STA. 638+82.03

12' ± 12'

8V

8V

0 20 40
 SCALE IN FEET

SEE SHEET L-42

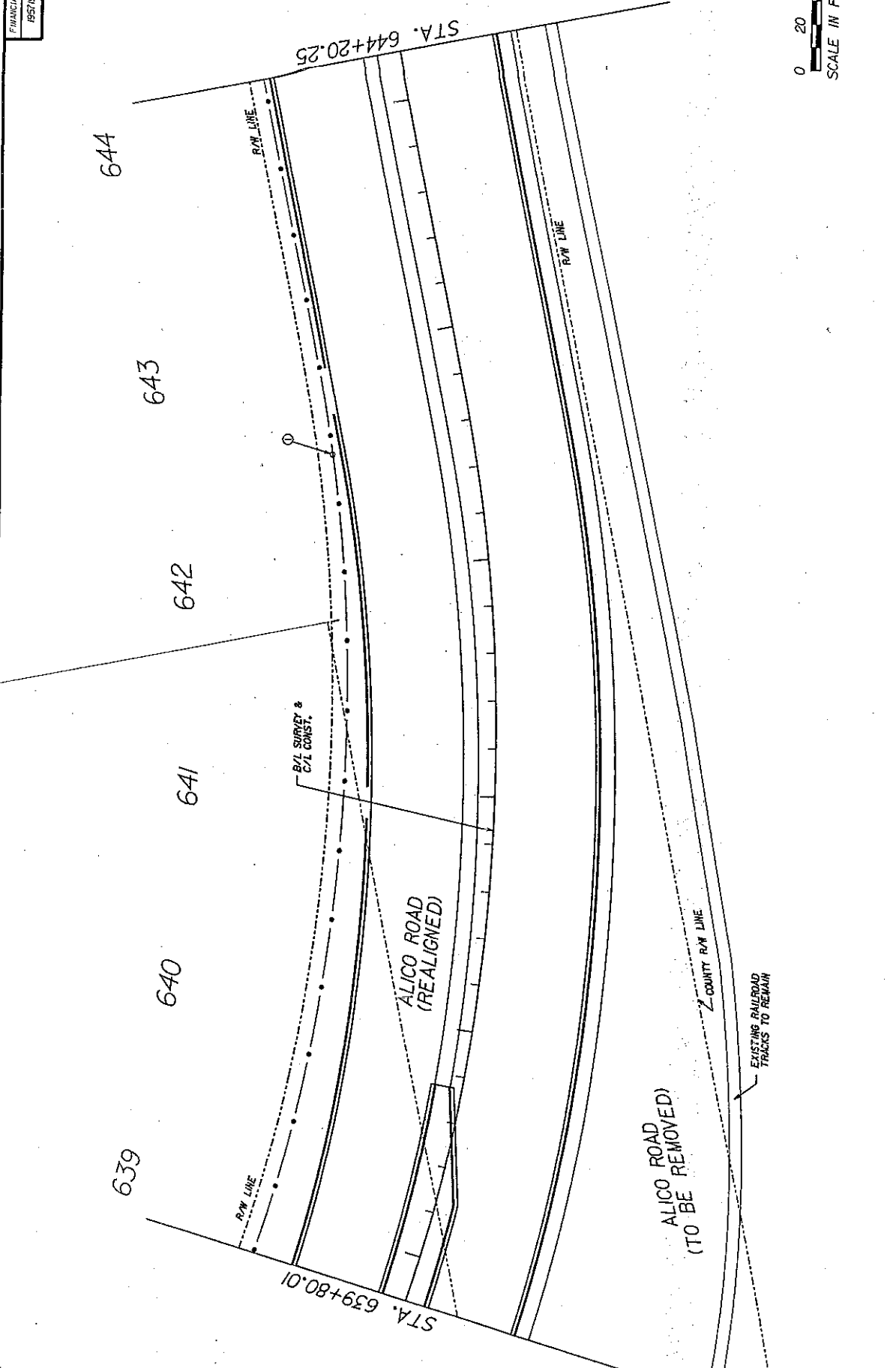
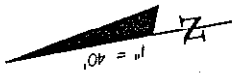
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

JEFFERY J. JEWETT, INC.
 621 BANCORP DRIVE
 FORT WORTH, TEXAS 76104

METRO TRANSPORTATION GROUP, INC.
 1855 MONROE BOULEVARD
 FORT WORTH, TEXAS 76104

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

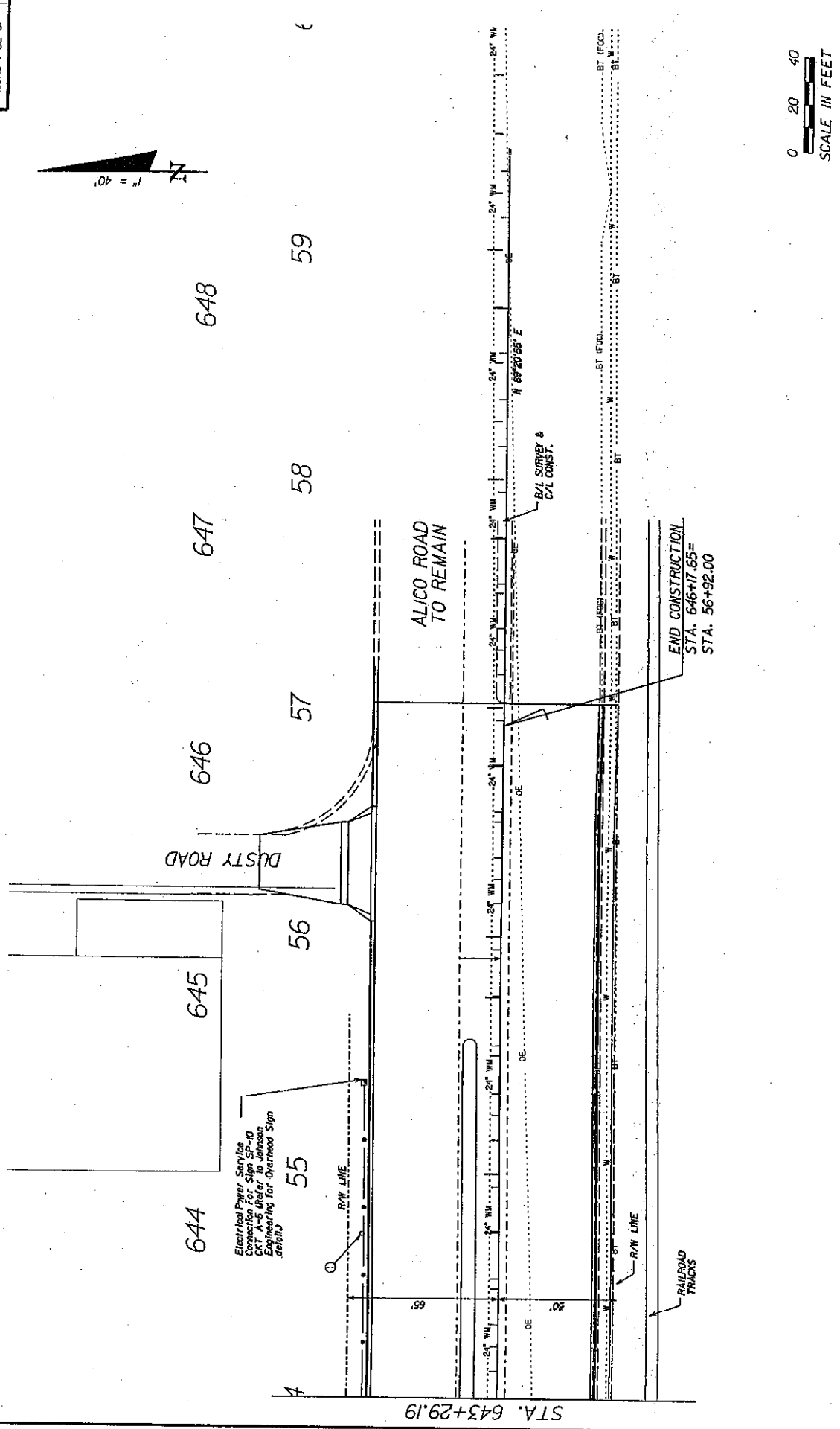
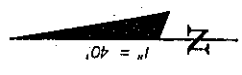
LIGHTING PLAN ALICO ROAD



DATE		DESCRIPTION		DATE		DESCRIPTION		DATE		DESCRIPTION	

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 JEFFERY J. JEWITT, INC. METRO TRANSPORTATION GROUP, INC.
 643 BAYVIEW DRIVE
 FORT WORTH, FLORIDA 3399
 1858 WOODROW BOULEVARD
 SUITE #403
 FORT WORTH, FLORIDA 1399

LIGHTING PLAN ALICO ROAD



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

JEFFERY J. JENNETT, INC. METRO TRANSPORTATION GROUP, INC.
633 BASSWOOD DRIVE SUITE 4-203
FORT WERTH, FLORIDA 3389

LIGHTING PLAN ALICO ROAD