

VILLAGE OF ESTERO PUBLIC WORKS
CORKSCREW ROAD PATHWAY IMPROVEMENTS

BEN HILL GRIFFIN PARKWAY TO BELLA TERRA BOULEVARD

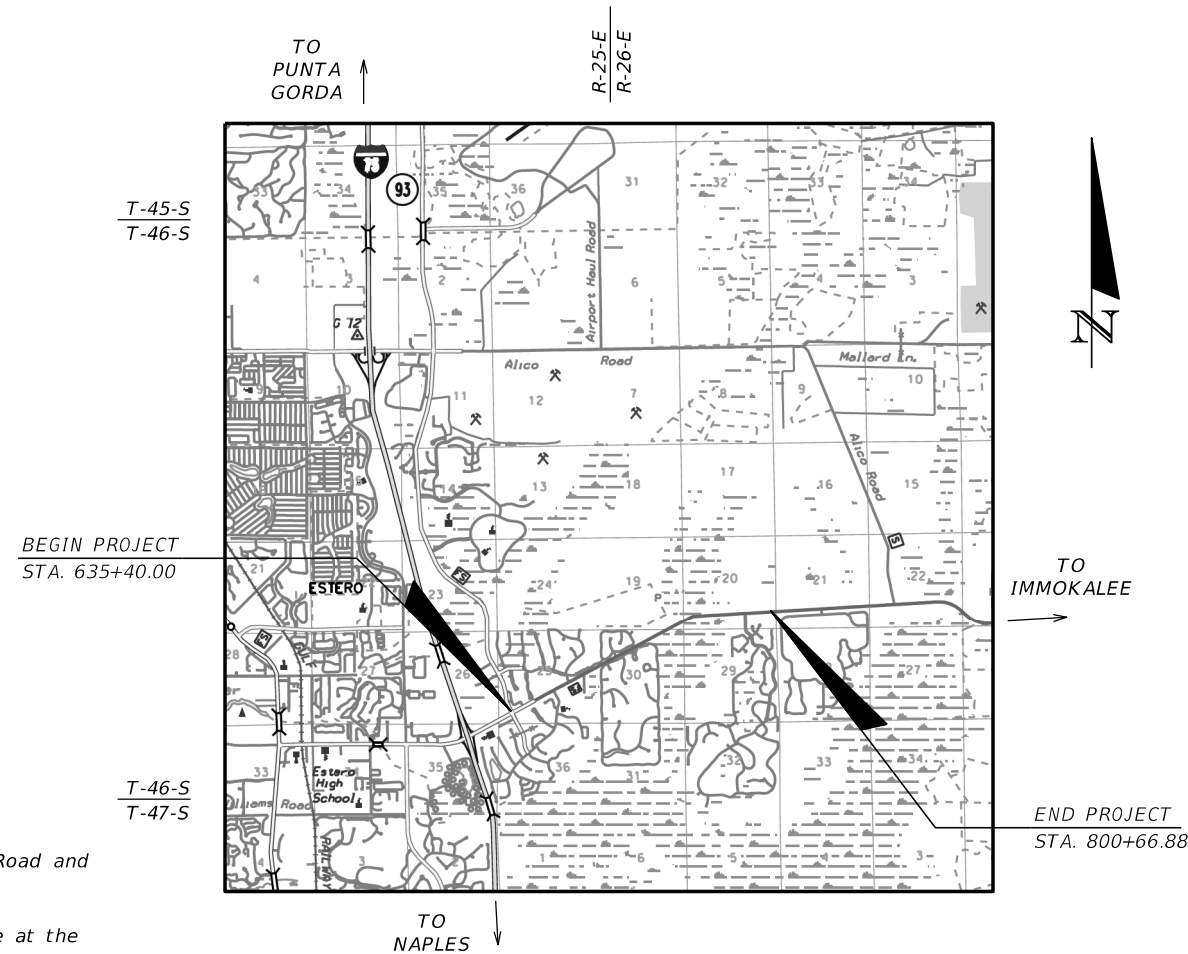
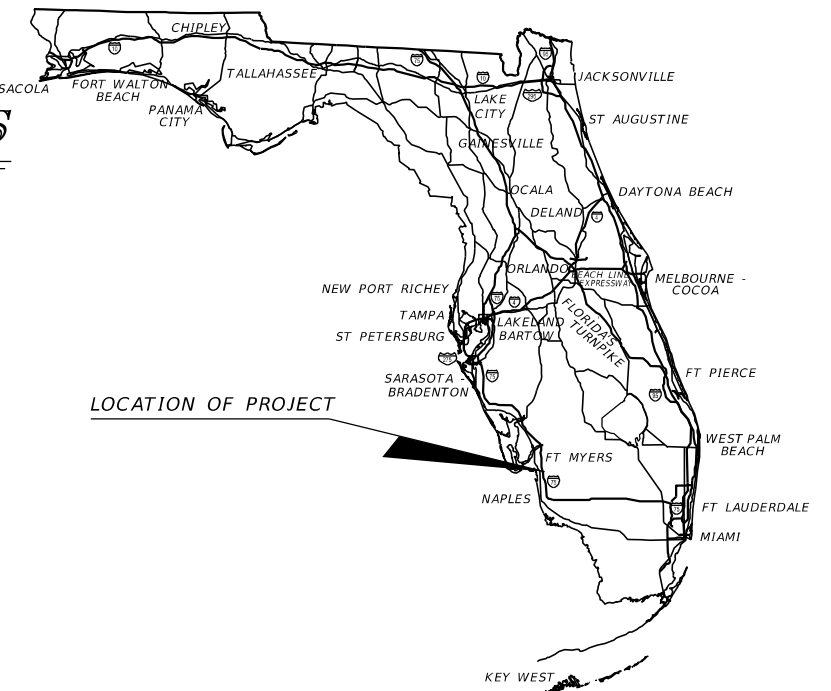
JEI PROJECT ID: 20203155-000

COUNTY ROAD NO. 850

LIGHTING PLANS

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-6	TABULATION OF QUANTITIES
L-7	GENERAL NOTES
L-8	PAY ITEM NOTES
L-9 - L-12	POLE DATA AND LEGEND SHEET
L-13	SERVICE POINT DETAILS
L-14 - L-37	LIGHTING PLAN SHEETS



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2023-24 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



LIGHTING PLANS
ENGINEER OF RECORD:

LEAH M. HOLMES, P.E.
 P.E. NO.: 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 CERTIFICATE OF AUTHORIZATION NO.: 642

VILLAGE OF ESTERO
PROJECT MANAGER:

DAVID WILLEMS, P.E.

60% SUBMITTAL
NOVEMBER 2023

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	23	L-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
IN THE ELECTRONIC DOCUMENTS

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
CERTIFICATE OF AUTHORIZATION: 00642
LEAH M. HOLMES, P.E. NO. 85359

THE ABOVE NAMES PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
L-1	KEY SHEET
L-2	SIGNATURE SHEET
L-3 - L-6	TABULATION OF QUANTITIES
L-7	GENERAL NOTES
L-8	PAY ITEM NOTES
L-9 - L-12	POLE DATA AND LEGEND SHEET
L-14 - L-37	LIGHTING PLAN SHEETS

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
IN THE ELECTRONIC DOCUMENTS

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
CERTIFICATE OF AUTHORIZATION: 00642
WAYNE W. WRIGHT, P.E. NO. 58220

THE ABOVE NAMES PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
L-2	SIGNATURE SHEET
L-13	SERVICE POINT DETAILS

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				 LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642	VILLAGE OF ESTERO PUBLIC WORKS			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-2
					LEE	20203155-000			

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			L-12		L-13		L-14		L-15		L-16		L-17		L-18		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	414		1341		2052		2106		2019		1897		2100		11928		35281	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	292		85						90		207				673		1989	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA	2		2						2		4				10		42	
639 1 112	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS																		
639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA																		
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	2181		4429		6285		6453		6493		6496		6429		38765		114825	
715 4 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	2		9		9		8		8		9		9		54		185	
715 4 13A	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 20' MOUNTING HEIGHT	EA	2		6		7		9		9		6		7		46		104	
715 4 13B	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 12' MOUNTING HEIGHT	EA																	4	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	4		15		16		17		17		15		16		100		293	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					 <p>LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642</p>		<p>VILLAGE OF ESTERO PUBLIC WORKS</p> <table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td> </td> <td>LEE</td> <td>20203155-000</td> </tr> </table>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LEE	20203155-000	<p>TABULATION OF QUANTITIES</p>		<p>SHEET NO.</p> <p>L-3</p>
REVISIONS																												
DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
	LEE	20203155-000																										

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-19		L-20		L-21		L-22		L-23		L-24		L-25		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1946		1928		1416		1246		1306		1400		1400		10641		35281	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	149		96				161		99						505		1989	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA	4		4				2		2						12		42	
639 1 112	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS																		
639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA																		
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	6484		6278		4343		4374		4342		4273		4264		34357		114825	
715 4 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	8		6		8		9		8		8		8		55		185	
715 4 13A	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 20' MOUNTING HEIGHT	EA	9		8		4		6		4		1				32		104	
715 4 13B	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 12' MOUNTING HEIGHT	EA			4												4		4	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	17		18		12		15		12		9		8		91		293	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					 <p>LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642</p>		<p>VILLAGE OF ESTERO PUBLIC WORKS</p> <table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td> </td> <td>LEE</td> <td>20203155-000</td> </tr> </table>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LEE	20203155-000	<p>TABULATION OF QUANTITIES</p>		<p>SHEET NO.</p> <p>L-4</p>
REVISIONS																												
DATE	DESCRIPTION	DATE	DESCRIPTION																									
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																										
	LEE	20203155-000																										

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-26		L-27		L-28		L-29		L-30		L-31		L-32		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1417		1062		1364		1469		1556		1355		1425		9647		35281	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			344		35				116		47				542		1989	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA			4		2		4		2		2				14		42	
639 1 112	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS																		
639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA																		
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	4354		4353		4295		4558		5143		4326		4372		31400		114825	
715 4 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	9		8		8		8		9		8		8		58		185	
715 4 13A	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 20' MOUNTING HEIGHT	EA	4		1				3		3		3		4		18		104	
715 4 13B	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 12' MOUNTING HEIGHT	EA																	4	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	13		9		8		11		12		11		12		76		293	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					 <p>LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642</p>		<p>VILLAGE OF ESTERO PUBLIC WORKS</p> <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td> </td> <td>LEE</td> <td>20203155-000</td> </tr> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LEE	20203155-000	<p>TABULATION OF QUANTITIES</p>			<p>SHEET NO. L-5</p>
REVISIONS																														
DATE	DESCRIPTION	DATE	DESCRIPTION																											
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																												
	LEE	20203155-000																												

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			L-33		L-34		L-35													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1137		1408		520										3065		35281	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	268														268		1989	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA	4				2										6		42	
639 1 112	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR FROM POWER COMPANY	AS																		
639 2 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF																		
641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA																		
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	4335		4327		1641										10303		114825	
715 4 13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	6		9		3										18		185	
715 4 13A	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 20' MOUNTING HEIGHT	EA	1		4		3										8		104	
715 4 13B	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 12' MOUNTING HEIGHT	EA																	4	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	7		13		6										26		293	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

TABULATION OF QUANTITIES


SHEET NO.
L-6

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIGHTING 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.
 - B. POLE STRENGTH CALCULATIONS AND POLE SHOP DRAWINGS FOR PAY ITEM NO. 715-4-14
 - C. POLE FRANGIBILITY TEST
 - D. ANCHOR BOLT DESIGN CALCULATIONS AND SHOP DRAWINGS
 - E. DISTRIBUTION POINT 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. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OWNER(S) FOR LOCATION AND STAKING OF UNDERGROUND FACILITIES BEFORE EXCAVATING.
3. STATE OF FLORIDA STATUTE 556 (2008) REQUIRES THAT BEFORE EXCAVATING, NOTICE BE GIVEN TO THE SUNSHINE STATE ONE CALL OF FLORIDA, INC. (SSOCOF) A MINIMUM OF TWO (2) FULL BUSINESS DAYS AT 1-800-432-4770. NOT ALL UTILITY COMPANIES ARE MEMBERS OF SSOCOF.
4. THE LOCATION OF THE POLES, 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 (LATEST EDITION). CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
6. SHOP DRAWING SUBMITTAL DATA SHALL INCLUDE COMPUTER PRINTOUT SHOWING HORIZONTAL FOOT CANDLE LEVELS TO BE OBTAINED USING SUBMITTED LUMINAIRES ON THIS PROJECT. AT FINAL INSPECTION THE CONTRACTOR SHALL VERIFY THE HORIZONTAL FOOT CANDLE LEVELS ON THE ROADWAY WITH AN APPROVED CURRENTLY CALIBRATED LIGHT METER AND SUBMIT REPORT FOR APPROVAL.
7. ALL ELECTRICAL WORK SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NECS) AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
8. INSTALL LIGHTING ARRESTORS, PROPERLY GROUNDED, IN POWER (SECONDARY) ENTRANCES ON OUTSIDE OF ENCLOSURE.
9. IN ACCORDANCE WITH 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. THE CONTRACTOR SHALL NOTIFY LCEC AT LEAST 48 HOURS PRIOR TO ANY INSTALLATION THAT IS WITHIN 20 FEET OF ENERGIZED ELECTRICAL CONDUCTORS. EXTREME CAUTION SHALL BE EXERCISED AT ALL TIMES IN PERFORMANCE OF WORK AROUND THE PRIMARY HIGH VOLTAGE COMPONENTS.
11. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO THE JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN RECOMMENDED BY THE NEC OR NECS FOR THE CABLE USED.
12. CONTRACTOR SHALL FURNISH AND INSTALL AN ALUMINUM IDENTIFICATION TAG ON EACH ROADWAY LIGHTING STANDARD. TAGS SHALL BE 2 INCHES X 8 INCHES IN SIZE WITH WHITE LETTERS ON BLUE BACKGROUND, ATTACHED WITH RIVETS (NO SCREWS). NUMBERS SHALL BE PER THE POLE IDENTIFICATION TAG DETAIL. COST OF TAGS SHALL BE INCLUDED IN THE BID ITEMS FOR LIGHT POLE COMPLETE. BOTTOM OF TAG SHALL BE INSTALLED 5 FEET ABOVE FINISHED GRADE. COORDINATE THE POLE NUMBER WITH LEE COUNTY MAINTENANCE.
13. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND STAKE UNDERGROUND UTILITIES PRIOR TO EXCAVATING.
14. ALL CONDUITS UNDER ROADWAY (AND/OR SIDEWALK) SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ROADWAY BASE AND SURFACE (OR CONCRETE), EXCEPT WHERE OTHERWISE INDICATED IN THE PLANS.
15. DIRECTIONAL BORE OPERATIONS, IF USED, SHALL MEET THE REQUIREMENTS OF THE LEE COUNTY DEPARTMENT OF TRANSPORTATION PLAN SPECIFICATIONS FOR SIGNAL AND STREET LIGHTING.
16. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE WITHIN TWO FEET OF THE LIGHT POLE FOUNDATIONS OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR WILL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE POLE FOUNDATION AND CONDUIT RUN.
17. ALL CONDUIT TRENCHES SHALL BE BACKFILLED COMPLETELY TO PROVED 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 WORK PERIOD.

18. ALL EXCESS DIRT AND DEBRIS EXCAVATED FROM POLE FOUNDATIONS SHALL BE REMOVED DAILY TO AREAS APPROVED BY THE ENGINEER AND PAID FOR UNDER PAY ITEM 715-4-14.
19. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SIDE STREETS, PRIVATE AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING THE CONSTRUCTION OPERATION.
20. THE LIGHTING SYSTEM WILL BE MAINTAINED BY VILLAGE OF ESTERO UPON FINAL ACCEPTANCE. THE CONTRACTOR SHALL SUBMIT "AS-BUILT" PLANS TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
21. CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD SHOP DRAWINGS DETAILING THE LAYOUT OF THE ELECTRICAL EQUIPMENT INSIDE THE DISTRIBUTION POINT LIGHTING ELECTRICAL ENCLOSURE.
22. ALL CONDUCTORS SHALL HAVE THWN-2 600 VOLT INSULATION. ALL CONDUCTORS TO BE XLP/USE. ALL CONDUCTORS SHALL BE CONTINUOUS IN COLOR FROM THE LOAD CENTER TO EACH STREET LIGHT POLE. PHASE TAPE SHALL NOT BE USED TO IDENTIFY A CONDUCTOR.
23. CONDUIT LOCATIONS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC. CONDUITS MUST BE PLACED WITHIN THE ROADWAY LIMITS, BUT CAN BE ADJUSTED TO FIT AROUND EXISTING AND PROPOSED UTILITIES. WHERE PLANNED LOCATION OF LIGHTING CONDUIT RUNS 36" UNDER PAVEMENT IS FOUND TO CONFLICT WITH UNDERGROUND UTILITIES, THE LIGHTING CONDUIT POSITION SHALL BE ALTERED VERTICALLY OR HORIZONTALLY TO AVOID THE CONFLICT AS RECOMMENDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. A 24" ABSOLUTE MINIMUM DEPTH SHALL BE MAINTAINED WHERE LIGHTING CONDUITS ARE RELOCATED CLOSER THAN 36" BELOW THE GROUND SURFACE AND SHALL BE PLACED IN AN ADDITIONAL 3" PVC SLEEVE OR BACKFILLED WITH A MINIMUM OF 4" x 4" OF CONCRETE. COST OF SUCH TREATMENT WILL BE INCIDENTAL TO PAY ITEMS PROVIDED.
24. CONTRACTOR SHALL PREPARE ACCURATELY DIMENSIONED "AS-BUILT" PLANS OF FINAL POLE, CONTROLLER, AND CONDUIT LOCATIONS. "AS-BUILT" PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO FINAL ACCEPTANCE. AFTER THE "AS-BUILT" PLANS ARE APPROVED, THE CONTRACTOR SHALL SUBMIT TWO COPIES TO THE RESIDENT ENGINEER AND ONE COPY TO THE VILLAGE OF ESTERO MAINTENANCE. COST OF SUCH PREPARATION SHALL BE INCIDENTAL TO THE PAY ITEMS PROVIDED.
25. SPLICES AND CONNECTIONS MADE IN PULL BOXES SHALL BE LIMITED TO THE SERVICE POINT AND CONDUIT JUNCTION WITH MULTI-DIRECTIONAL CONDUITS AS INDICATED ON THE PLANS. THE SPLICES AND CONNECTION MADE AT THESE POINTS SHOULD BE PROPERLY TAPED, PROVIDED WITH HEAT SHRINK TUBES OR CAPS TO WATERPROOF THESE CONNECTIONS. SPLICES SHALL BE ENCAPSULATED. USE ILSCO USPA INLINE SPLICE-WATERPROOF.
26. ALL CONDUITS SHALL BE MANDREL TESTED AND CLEANED. CONDUIT PLACED FOR FUTURE USE SHALL HAVE 1/4" POLYESTER CORD PULLED IN PLACE AND CAPPED, WITH NOTATION INSIDE CONDUIT AS TO LOCATION OF OPPOSITE END. PLACE PULL BOXES TO MARK ENDS OF EMPTY CONDUITS.
27. THE CONTRACTOR SHALL CONTACT THE POWER COMPANY TO DETERMINE IF A SERVICE PROCESSING FEE IS REQUIRED. THE FEE SHALL BE INCLUDED AS PART OF PAYMENT FOR THE LOAD CENTER.
28. CONTRACTOR SHALL USE THE CONCRETE FOUNDATION PER FDOT STANDARD PLAN INDEX 715-002 (SCREW TYPE FOUNDATION IS NOT ALLOWED).
29. ALL POLE FOUNDATIONS SHOULD BE 2" ABOVE GRADE AT ALL LOCATIONS. IF ADJUSTMENTS ARE NECESSARY PLEASE NOTIFY ENGINEER.

REVISIONS				 LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642	VILLAGE OF ESTERO PUBLIC WORKS			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					LEE	20203155-000	GENERAL NOTES	
							L-7	

PAY ITEM FOOTNOTES:

PAY ITEM NO. 630-2-11 AND 630-2-12:

THE CONTRACT UNIT PRICE PER FOOT OF CONDUIT, FURNISHED AND INSTALLED WILL INCLUDE FURNISHING ALL HARDWARE AND MATERIALS AS SPECIFIED ON THE TABULATION SHEET (L-3 AND L-4). ALL LABOR, TRENCHING, BACK FILLING, AND RESTORATION MATERIALS NECESSARY FOR A COMPLETE AND ACCEPTED INSTALLATION. CONSIDER THE LOCATIONS OF CONDUIT AS SHOWN ON THE PLANS AS APPROXIMATE. CONSTRUCT CONDUIT RUNS AS STRAIGHT AS POSSIBLE AND OBTAIN THE ENGINEER'S APPROVAL OF ALL MAJOR DEVIATIONS IN CONDUIT LOCATIONS FROM THOSE SHOWN ON THE PLANS. UNDERGROUND CONDUITS ARE TO BE ADJUSTED TO AVOID UNDERGROUND UTILITIES AND SIDEWALKS. INCLUDES CONDUIT FOR MULTIPLE RUNS IN ONE TRENCH. LINEAR FOOTAGE SHOWN ON PLANS ARE FOR LENGTH OF TRENCH ONLY.

PAY ITEM NO. 635-2-11A:

INCLUDES 17"x30" POLYMER CONCRETE BOX AND COVER, WITH "STREET LIGHTING" ON COVER. ALL PULL BOXES TO HAVE MOW PAD INSTALLED PER CURRENT LEE COUNTY SPECIFICATIONS.

PAY ITEM NO. 715-1-12:

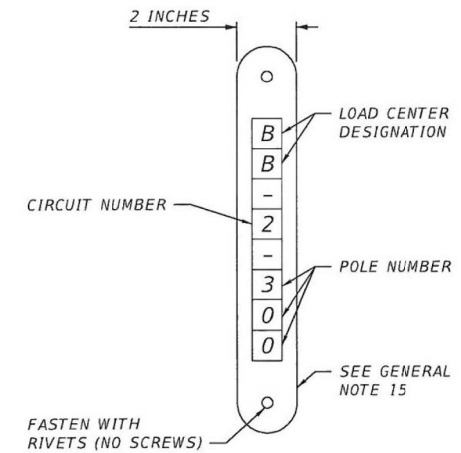
SHALL INCLUDE CONDUCTORS AS INDICATED IN THE PLANS AND THE STANDARD PLANS. PAYMENT SHALL BE MADE ON LINEAR FOOT OF SINGLE CONDUCTOR. CONDUCTOR INSULATION SHALL BE THWN-2. USE NIGHTMASTER PART #D8903-SQH63-V06 AND REFER TO LEE COUNTY SPECIFICATIONS.

PAY ITEM NO. 715-7-11:


INCLUDES NEMA 4X SST INDIVIDUALLY MOUNTED ENCLOSED CIRCUIT BREAKER ON LOAD SIDE OF METER AT THE PEDESTAL POLE, METER BASE, CONTROL POWER TRANSFORMERS, ENCLOSURES, PANEL BOARDS, BREAKERS, FUSES, LIGHTING CONTACTOR, LIGHTING PROTECTOR, PHOTO-ELECTRIC ASSEMBLY, CONDUIT & FEEDER CONDUCTORS FROM POWER COMPANY POINT OF SERVICE TO LIGHTING CONTROL CABINET, PULL BOX AND ALL MISCELLANEOUS HARDWARE FOR A COMPLETE INSTALLATION AS PER PLANS AND FDOT STANDARD PLANS INDEX 639-001 DETAIL "B". THE DISTRIBUTION POINT LIGHTING CONTROL ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL BASE MOUNTED CABINET AND INSTALLED PER FDOT STANDARD PLANS INDEX 639-002 FIGURE "E" AND INDEX 676-010 'BASE MOUNTED DETAIL'. INCLUDES THE COST OF FURNISHING AND INSTALLING TYPE P-II CONCRETE PEDESTAL POLE, GROUND MOUNTED CABINET, COORDINATION OF WORK WITH FP&L AND ALL SERVICE FEES.

PAY ITEM NO. 715-500-1:

INCLUDES THE SURGE ARRESTOR, TEO-POLE BREAK-AWAY FUSE HOLDERS WITH FUSES, WATERPROOF CONNECTORS AND WATERPROOF WIRING CONNECTION TO THE LUMINAIRE AND STRAIN RELIEF PER FDOT STANDARD PLANS INDEX 715-001, EXCEPT AS NOTED. USE #10 STRANDED WIRE TO FEED STREET LIGHT HEAD FROM BREAKAWAY BASE FOR POLE AND REFER TO LEE COUNTY SPECIFICATIONS.



POLE IDENTIFICATION TAG DETAIL
N.T.S.

REVISIONS				 LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642	VILLAGE OF ESTERO PUBLIC WORKS			PAY ITEM NOTES AND DETAILS	SHEET NO. L-8
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					LEE	20203155-000			

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
100		638+10.00	6'	255	20'	103.00'	715-4-14
101		638+48.00	6'	255	40'	84.00'	715-4-14
102		638+88.00	6'	255	40'	80.00'	715-4-14
103		639+13.00	6'	255	20'	100.00'	715-4-14
104		639+70.00	6'	255	20'	95.79'	715-4-14
105		639+80.00	6'	255	40'	84.00'	715-4-14
106		640+55.00	6'	255	40'	80.00'	715-4-14
107		640+66.00	6'	255	20'	100.00'	715-4-14
108		641+41.00	6'	255	20'	102.00'	715-4-14
109		641+20.00	6'	255	40'	84.00'	715-4-14
110		642+15.00	6'	255	40'	80.00'	715-4-14
111		642+97.00	6'	255	40'	81.00'	715-4-14
112		643+01.00	6'	255	20'	102.00'	715-4-14
113		643+80.00	6'	255	40'	80.00'	715-4-14
114		644+66.00	6'	255	40'	81.00'	715-4-14
115		645+07.00	6'	255	20'	84.00'	715-4-14
116		645+55.00	6'	255	40'	74.00'	715-4-14
117		646+28.00	6'	255	40'	81.86'	715-4-14
118		646+37.00	6'	255	20'	103.00'	715-4-14
119		647+25.00	6'	255	40'	70.27'	715-4-14
120		647+28.00	6'	255	40'	91.22'	715-4-14
121		647+65.00	6'	255	20'	111.94'	715-4-14
122		648+46.00	6'	255	20'	112.47'	715-4-14
123		648+95.00	6'	255	40'	90.00'	715-4-14
124		648+97.00	6'	255	40'	88.28'	715-4-14
125		649+33.00	6'	255	20'	101.12'	715-4-14
126		650+22.00	6'	255	20'	96.74'	715-4-14
127		650+30.00	6'	255	40'	84.35'	715-4-14
128		650+65.00	6'	255	40'	60.00'	715-4-14
129		651+00.00	6'	255	20'	100.98'	715-4-14
130		651+79.00	6'	255	40'	80.82'	715-4-14
131		651+86.00	6'	255	20'	114.38'	715-4-14
132		652+35.00	6'	255	40'	60.00'	715-4-14
133		652+71.00	6'	255	20'	116.81'	715-4-14
134		653+19.00	6'	255	40'	67.97'	715-4-14
135		653+67.00	6'	255	20'	115.00'	715-4-14
136		654+05.00	6'	255	40'	63.00'	715-4-14
137		654+46.00	6'	255	20'	126.04'	715-4-14
138		654+92.00	6'	255	40'	70.00'	715-4-14
139		655+28.00	6'	255	20'	125.30'	715-4-14
140		655+75.00	6'	255	40'	63.00'	715-4-14
141		656+25.00	6'	255	20'	129.00'	715-4-14
142		656+69.00	6'	255	40'	79.00'	715-4-14
143		656+98.00	6'	255	20'	143.06'	715-4-14
144		657+45.00	6'	255	40'	63.00'	715-4-14
145		657+87.00	6'	255	20'	145.28'	715-4-14
146		658+30.00	6'	255	40'	79.00'	715-4-14
147		658+66.00	6'	255	20'	112.13'	715-4-14
148		659+15.00	6'	255	40'	63.00'	715-4-14
149		659+51.50	6'	255	20'	106.10'	715-4-14
150		660+00.00	6'	255	40'	79.00'	715-4-14

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
151		660+45.00	6'	255	20'	106.10'	715-4-14
152		660+85.00	6'	255	40'	63.00'	715-4-14
153		661+23.00	6'	255	20'	106.10'	715-4-14
154		661+74.00	6'	255	40'	79.00'	715-4-14
155		662+05.00	6'	255	20'	106.12'	715-4-14
156		662+55.00	6'	255	40'	63.00'	715-4-14
157		662+74.00	6'	255	20'	116.84'	715-4-14
158		662+92.00	6'	255	40'	79.00'	715-4-14
159		663+45.00	6'	255	20'	138.68'	715-4-14
160		664+31.50	6'	255	20'	141.00'	715-4-14
161		664+75.00	6'	255	40'	63.00'	715-4-14
162		665+02.00	6'	255	20'	138.78'	715-4-14
163		665+10.00	6'	255	40'	67.00'	715-4-14
164		665+62.00	6'	255	20'	123.66'	715-4-14
165		665+95.00	6'	255	40'	63.00'	715-4-14
166		666+35.00	6'	255	20'	129.87'	715-4-14
167		666+80.00	6'	255	40'	67.00'	715-4-14
168		667+16.00	6'	255	20'	142.02'	715-4-14
169		667+65.00	6'	255	40'	63.00'	715-4-14
170		668+09.50	6'	255	20'	142.30'	715-4-14
171		668+50.00	6'	255	40'	67.00'	715-4-14
172		668+92.00	6'	255	20'	130.33'	715-4-14
173		669+35.00	6'	255	40'	63.00'	715-4-14
174		669+74.00	6'	255	20'	113.38'	715-4-14
175		670+20.00	6'	255	40'	67.00'	715-4-14
176		670+71.00	6'	255	20'	111.57'	715-4-14
177		671+05.00	6'	255	40'	63.00'	715-4-14
178		671+58.00	6'	255	20'	109.77'	715-4-14
179		671+90.00	6'	255	40'	67.00'	715-4-14
180		672+44.00	6'	255	20'	106.67'	715-4-14
181		673+00.00	6'	255	40'	63.00'	715-4-14
182		673+60.00	6'	255	40'	67.00'	715-4-14
183		674+45.00	6'	255	40'	77.59'	715-4-14
184		675+30.00	6'	255	40'	67.00'	715-4-14
185		675+37.00	6'	255	20'	104.00'	715-4-14
186		676+15.00	6'	255	40'	68.00'	715-4-14
187		676+57.50	6'	255	20'	104.00'	715-4-14
188		677+00.00	6'	255	40'	67.00'	715-4-14
189		677+42.50	6'	255	20'	104.00'	715-4-14
190		677+85.00	6'	255	40'	64.00'	715-4-14
191		678+27.50	6'	255	20'	104.00'	715-4-14
192		678+70.00	6'	255	40'	67.00'	715-4-14
193		679+12.50	6'	255	20'	104.00'	715-4-14
194		679+55.00	6'	255	40'	64.00'	715-4-14
195		679+97.50	6'	255	20'	104.00'	715-4-14
196		680+40.00	6'	255	40'	74.00'	715-4-14
197		680+82.50	6'	255	20'	104.00'	715-4-14
198		681+25.00	6'	255	40'	66.00'	715-4-14
199		681+67.50	6'	255	20'	104.00'	715-4-14
200		682+10.00	6'	255	40'	74.00'	715-4-14
201		682+52.50	6'	255	20'	106.31'	715-4-14

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



JOHNSON ENGINEERING
LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

POLE DATA	
SHEET NO.	L-9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
202		682+95.00	6'	255	40'	68.00'	715-4-14
203		683+37.50	6'	255	20'	117.60'	715-4-14
204		683+89.00	6'	255	40'	74.00'	715-4-14
205		684+22.50	6'	255	20'	120.76'	715-4-14
206		684+65.00	6'	255	40'	68.00'	715-4-14
207		685+07.50	6'	255	20'	119.07'	715-4-14
208		685+68.00	6'	255	40'	74.00'	715-4-14
209		685+92.50	6'	255	20'	116.67'	715-4-14
210		686+35.00	6'	255	40'	68.00'	715-4-14
211		686+77.50	6'	255	20'	113.56'	715-4-14
212		687+12.00	6'	255	40'	68.26'	715-4-14
213		687+62.50	6'	255	20'	109.72'	715-4-14
214		688+05.00	6'	255	40'	68.00'	715-4-14
215		688+47.50	6'	255	20'	107.38'	715-4-14
216		688+90.00	6'	255	40'	67.00'	715-4-14
217		689+32.50	6'	255	20'	111.88'	715-4-14
218		689+75.00	6'	255	40'	67.79'	715-4-14
219		690+00.00	6'	255	20'	101.29	715-4-14
220		690+60.00	6'	255	40'	67.06'	715-4-14
221		690+64.00	6'	255	20'	76.82'	715-4-14
222		691+41.00	6'	255	20'	116.32'	715-4-14
223		691+45.00	6'	255	40'	65.75'	715-4-14
224		691+78.00	6'	255	12'	66.00'	715-4-14
225		692+27.00	6'	255	20'	140.86'	715-4-14
226		692+62.00	6'	255	12'	66.00'	715-4-14
227		693+13.00	6'	255	20'	114.48'	715-4-14
228		693+15.00	6'	255	12'	75.64'	715-4-14
229		693+40.00	6'	255	12'	66.00'	715-4-14
230		693+46.00	6'	255	20'	99.96'	715-4-14
231		693+98.00	6'	255	20'	89.97'	715-4-14
232		694+12.00	6'	255	40'	70.58'	715-4-14
233		694+85.00	6'	255	40'	73.88'	715-4-14
234		695+70.00	6'	255	40'	68.07'	715-4-14
235		695+78.00	6'	255	20'	88.55'	715-4-14
236		696+55.00	6'	255	40'	72.00'	715-4-14
237		697+27.00	6'	255	20'	87.43'	715-4-14
238		697+40.00	6'	255	40'	64.59'	715-4-14
239		698+25.00	6'	255	40'	72.00'	715-4-14
240		699+10.00	6'	255	40'	63.00'	715-4-14
241		699+12.00	6'	255	20'	86.87'	715-4-14
242		699+95.00	6'	255	40'	72.00'	715-4-14
243		700+81.00	6'	255	40'	60.00'	715-4-14
244		700+98.00	6'	255	20'	93.78'	715-4-14
245		701+65.00	6'	255	40'	72.00'	715-4-14
246		702+51.00	6'	255	40'	70.20'	715-4-14
247		702+53.00	6'	255	20'	89.71'	715-4-14
248		703+32.00	6'	255	20'	80.31'	715-4-14
249		703+35.00	6'	255	40'	73.00'	715-4-14
250		704+20.00	6'	255	40'	68.69'	715-4-14
251		705+05.00	6'	255	40'	81.00'	715-4-14
252		705+17.00	6'	255	20'	74.16'	715-4-14

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
253		705+90.00	6'	255	40'	67.63'	715-4-14
254		706+44.00	6'	255	40'	81.00'	715-4-14
255		706+86.00	6'	255	20'	77.24'	715-4-14
256		707+33.00	6'	255	20'	83.69'	715-4-14
257		707+60.00	6'	255	40'	68.00'	715-4-14
258		708+13.00	6'	255	40'	70.00'	715-4-14
259		708+83.00	6'	255	20'	80.00'	715-4-14
260		709+35.00	6'	255	40'	68.00'	715-4-14
261		709+71.00	6'	255	40'	70.00'	715-4-14
262		710+62.00	6'	255	20'	80.00'	715-4-14
263		711+00.00	6'	255	40'	68.00'	715-4-14
264		711+39.00	6'	255	40'	70.00'	715-4-14
265		712+28.00	6'	255	20'	80.00'	715-4-14
266		712+70.00	6'	255	40'	68.00'	715-4-14
267		713+07.00	6'	255	40'	70.00'	715-4-14
268		713+93.00	6'	255	20'	80.00'	715-4-14
269		714+55.00	6'	255	40'	62.00'	715-4-14
270		714+76.00	6'	255	40'	70.00'	715-4-14
271		715+63.00	6'	255	20'	80.00'	715-4-14
272		716+10.00	6'	255	40'	62.00'	715-4-14
273		716+79.00	6'	255	40'	70.00'	715-4-14
274		717+72.00	6'	255	20'	72.05'	715-4-14
275		717+80.00	6'	255	40'	62.00'	715-4-14
276		718+65.00	6'	255	40'	69.00'	715-4-14
277		719+50.00	6'	255	40'	60.00'	715-4-14
278		720+35.00	6'	255	40'	69.00'	715-4-14
279		721+20.00	6'	255	40'	62.00'	715-4-14
280		722+05.00	6'	255	40'	67.90'	715-4-14
281		722+90.00	6'	255	40'	62.00'	715-4-14
282		723+75.00	6'	255	40'	66.12'	715-4-14
283		724+60.00	6'	255	40'	62.00'	715-4-14
284		725+45.00	6'	255	40'	64.35'	715-4-14
285		726+30.00	6'	255	40'	61.26'	715-4-14
286		727+15.00	6'	255	40'	62.57'	715-4-14
287		728+00.00	6'	255	40'	62.10'	715-4-14
288		728+85.00	6'	255	40'	60.79'	715-4-14
289		729+70.00	6'	255	40'	60.60'	715-4-14
290		730+55.00	6'	255	40'	59.01'	715-4-14
291		731+40.00	6'	255	40'	59.11'	715-4-14
292		732+25.00	6'	255	40'	58.00'	715-4-14
293		732+53.00	6'	255	20'	96.04'	715-4-14
294		733+10.00	6'	255	40'	78.00'	715-4-14
295		733+95.00	6'	255	40'	58.00'	715-4-14
296		733+95.00	6'	255	20'	85.77'	715-4-14
297		734+80.00	6'	255	40'	78.00'	715-4-14
298		735+65.00	6'	255	40'	58.00'	715-4-14
299		736+10.00	6'	255	20'	97.68'	715-4-14
300		736+50.00	6'	255	40'	78.00'	715-4-14
301		737+35.00	6'	255	40'	58.00'	715-4-14
302		737+35.00	6'	255	20'	89.32'	715-4-14
303		738+20.00	6'	255	40'	78.00'	715-4-14

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



JOHNSON ENGINEERING

LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

POLE DATA	
SHEET NO.	L-10

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
304		738+95.00	6'	255	40'	58.00'	715-4-14
305		739+30.00	6'	255	20'	96.03'	715-4-14
306		739+90.00	6'	255	40'	78.00'	715-4-14
307		740+75.00	6'	255	40'	58.00'	715-4-14
308		741+00.00	6'	255	40'	84.47'	715-4-14
309		742+75.00	6'	255	40'	70.00'	715-4-14
310		742+96.00	6'	255	40'	81.97'	715-4-14
311		744+15.00	6'	255	40'	70.00'	715-4-14
312		744+85.00	6'	255	40'	72.00'	715-4-14
313		745+85.00	6'	255	40'	65.00'	715-4-14
314		746+70.00	6'	255	40'	66.00'	715-4-14
315		747+55.00	6'	255	40'	60.25'	715-4-14
316		748+40.00	6'	255	40'	64.50'	715-4-14
317		749+25.00	6'	255	40'	60.25'	715-4-14
318		750+10.00	6'	255	40'	64.50'	715-4-14
319		750+85.00	6'	255	40'	60.25'	715-4-14
320		751+59.35	6'	255	40'	64.50'	715-4-14
321		752+65.00	6'	255	40'	60.25'	715-4-14
322		753+50.00	6'	255	40'	64.50'	715-4-14
323		754+35.00	6'	255	40'	60.25'	715-4-14
324		755+20.00	6'	255	40'	64.50'	715-4-14
325		756+05.00	6'	255	40'	58.00'	715-4-14
326		756+26.00	6'	255	20'	101.31'	715-4-14
327		756+90.00	6'	255	40'	64.50'	715-4-14
328		757+16.00	6'	255	20'	128.42'	715-4-14
329		757+75.00	6'	255	40'	58.00'	715-4-14
330		758+35.00	6'	255	20'	120.11'	715-4-14
331		758+60.00	6'	255	40'	71.50'	715-4-14
332		759+45.00	6'	255	40'	60.25'	715-4-14
333		759+50.00	6'	255	20'	116.37'	715-4-14
334		760+43.00	6'	255	40'	71.50'	715-4-14
335		761+15.00	6'	255	40'	63.00'	715-4-14
336		762+37.00	6'	255	40'	74.00'	715-4-14
337		762+85.00	6'	255	40'	63.00'	715-4-14
338		763+10.00	6'	255	20'	75.96'	715-4-14
339		763+87.50	6'	255	40'	67.74'	715-4-14
340		764+55.00	6'	255	40'	63.00'	715-4-14
341		764+73.50	6'	255	20'	77.60'	715-4-14
342		765+40.00	6'	255	40'	72.90'	715-4-14
343		766+25.00	6'	255	40'	63.00'	715-4-14
344		766+39.00	6'	255	20'	74.14'	715-4-14
345		767+14.00	6'	255	40'	66.97'	715-4-14
346		767+95.00	6'	255	40'	63.00'	715-4-14
347		768+03.00	6'	255	20'	77.38'	715-4-14
348		768+75.00	6'	255	40'	68.00'	715-4-14
349		769+65.00	6'	255	40'	63.00'	715-4-14
350		770+50.00	6'	255	40'	68.00'	715-4-14
351		771+35.00	6'	255	40'	63.00'	715-4-14
352		771+38.00	6'	255	20'	73.87'	715-4-14
353		772+20.00	6'	255	40'	67.84'	715-4-14
354		773+05.00	6'	255	40'	63.00'	715-4-14

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
355		773+14.00	6'	255	20'	76.19'	715-4-14
356		773+90.00	6'	255	40'	63.48'	715-4-14
357		774+66.00	6'	255	20'	96.45'	715-4-14
358		774+75.00	6'	255	40'	63.00'	715-4-14
359		775+60.00	6'	255	40'	68.00'	715-4-14
360		776+41.00	6'	255	20'	91.27'	715-4-14
361		776+45.00	6'	255	40'	63.00'	715-4-14
362		777+30.00	6'	255	40'	68.00'	715-4-14
363		778+15.00	6'	255	40'	63.00'	715-4-14
364		778+28.00	6'	255	20'	89.79'	715-4-14
365		779+05.00	6'	255	40'	68.00'	715-4-14
366		779+85.00	6'	255	40'	63.00'	715-4-14
367		779+94.00	6'	255	20'	88.00'	715-4-14
368		780+88.00	6'	255	40'	68.00'	715-4-14
369		781+55.00	6'	255	40'	63.00'	715-4-14
370		784+41.00	6'	255	40'	73.00'	715-4-14
371		784+95.00	6'	255	40'	70.00'	715-4-14
372		785+85.00	6'	255	40'	73.00'	715-4-14
373		786+65.00	6'	255	40'	70.00'	715-4-14
374		786+70.00	6'	255	20'	88.00'	715-4-14
375		787+64.00	6'	255	40'	73.00'	715-4-14
376		788+35.00	6'	255	40'	63.00'	715-4-14
377		788+52.00	6'	255	20'	88.00'	715-4-14
378		789+35.00	6'	255	40'	73.00'	715-4-14
379		790+05.00	6'	255	40'	63.00'	715-4-14
380		790+24.00	6'	255	20'	88.08'	715-4-14
381		791+20.00	6'	255	40'	73.00'	715-4-14
382		791+75.00	6'	255	40'	63.00'	715-4-14
383		792+23.00	6'	255	20'	79.13'	715-4-14
384		793+07.00	6'	255	40'	75.30'	715-4-14
385		793+45.00	6'	255	40'	63.00'	715-4-14
386		793+81.00	6'	255	20'	89.19'	715-4-14
387		794+60.00	6'	255	40'	73.00'	715-4-14
388		795+15.00	6'	255	40'	63.00'	715-4-14
389		795+33.00	6'	255	20'	89.67'	715-4-14
390		796+00.00	6'	255	40'	73.00'	715-4-14
391		796+98.00	6'	255	20'	90.18'	715-4-14

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		REVISIONS		DATE	DESCRIPTION					<p align="center">JOHNSON ENGINEERING <small>LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642</small></p>	<p align="center">VILLAGE OF ESTERO PUBLIC WORKS</p> <table border="1"> <tr> <td>ROAD NO.</td> <td>COUNTY</td> <td>FINANCIAL PROJECT ID</td> </tr> <tr> <td> </td> <td>LEE</td> <td>20203155-000</td> </tr> </table>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LEE	20203155-000	<p align="center">POLE DATA</p>	<p align="center">SHEET NO. L-11</p>
REVISIONS																				
DATE	DESCRIPTION																			
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																		
	LEE	20203155-000																		
<p>DATE: 11/2/2023 11:34:38 AM Default</p>		<p align="right">U:\Projects\20203155-000\lighting\PLDTLT01.dgn</p>																		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIGHTING FIXTURE SCHEDULE




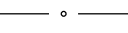



SYMBOL	MANUFACTURER	ORDER INFORMATION					REMARKS
		PREVIOUS INSTALL	LAMP	LUMINAIRE CATALOG NUMBER	VOLTAGE	MOUNTING	
A	CYCLONE *	106	200 W LED*	* CY55P1A-FGC-3MHS-200W-3K **	240	POLE	CYCLONE LIGHTING- DOMIA LED STREET LIGHTING. PROPOSED POLE: 28-FT MOUNTING HEIGHT WITH A 6-FT DECORATIVE ARM AND HOUSE SIDE SHIELDS. THERMOSETTING POLYESTER POWDER COAT PAINTED BRONZE ALUMINUM POLE , ATTACHED TO A CONCRETE FOUNDATION WITH BREAKAWAY BOLTS, PROPOSED FIXTURE: DOMIA 200 WATT, 700MA LED 3K PROPOSED LAYOUT: STAGGERED AT OR BEYOND THE CLEAR ZONE PER PLANS.

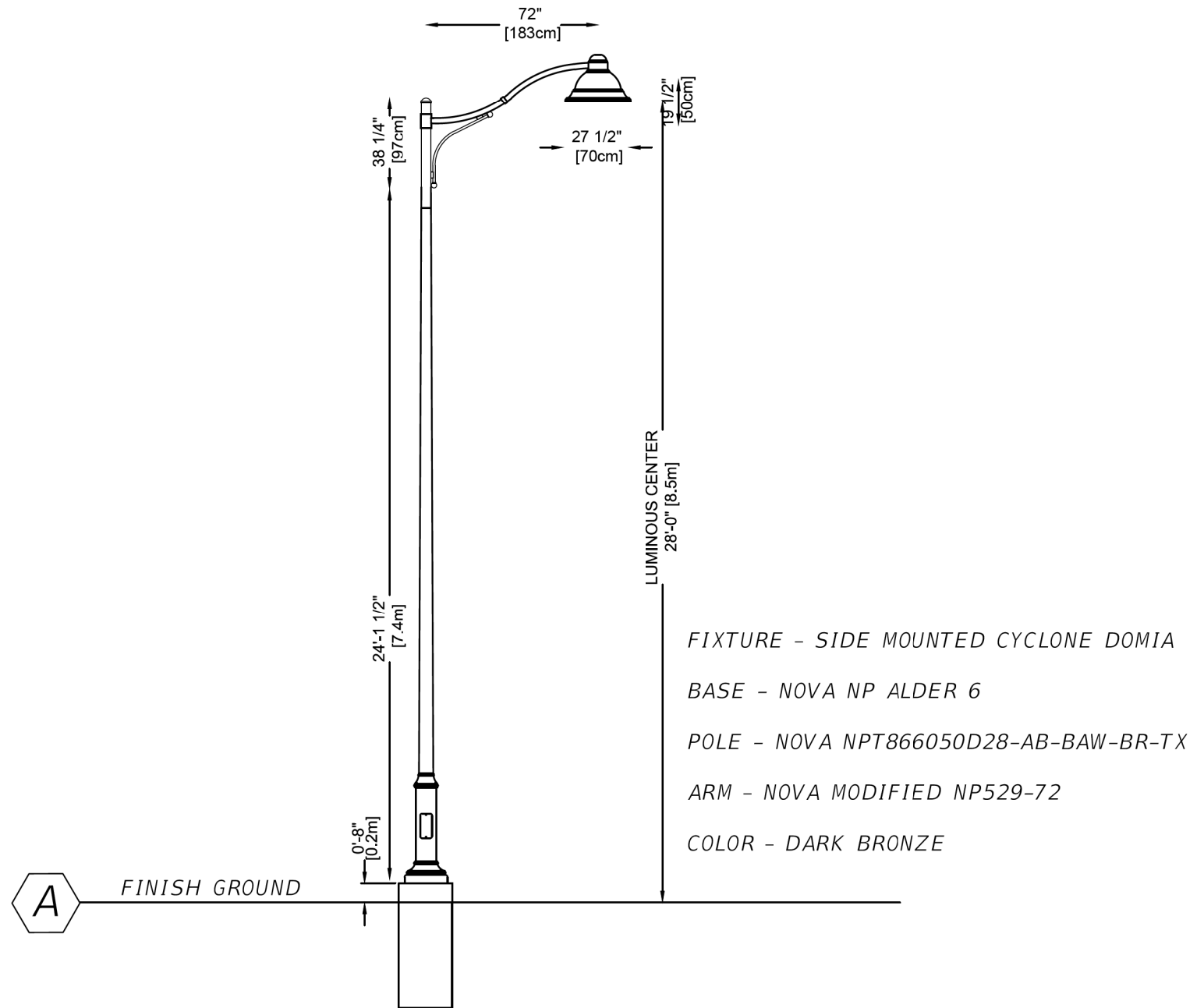
* NOTE: OTHER APPROVED EQUAL, SUBJECT TO ENGINEER AND VILLAGE OF ESTERO APPROVAL, AS APPLICABLE.
 **NOTE: HOUSE SHIELDS

CONVENTIONAL LIGHTING DESIGN CRITERIA

Average Initial Intensity Foot Candles
 Uniformity Ratio Avg./Min. 3:1 Or Less
 Max./Min. 10:1 Or Less

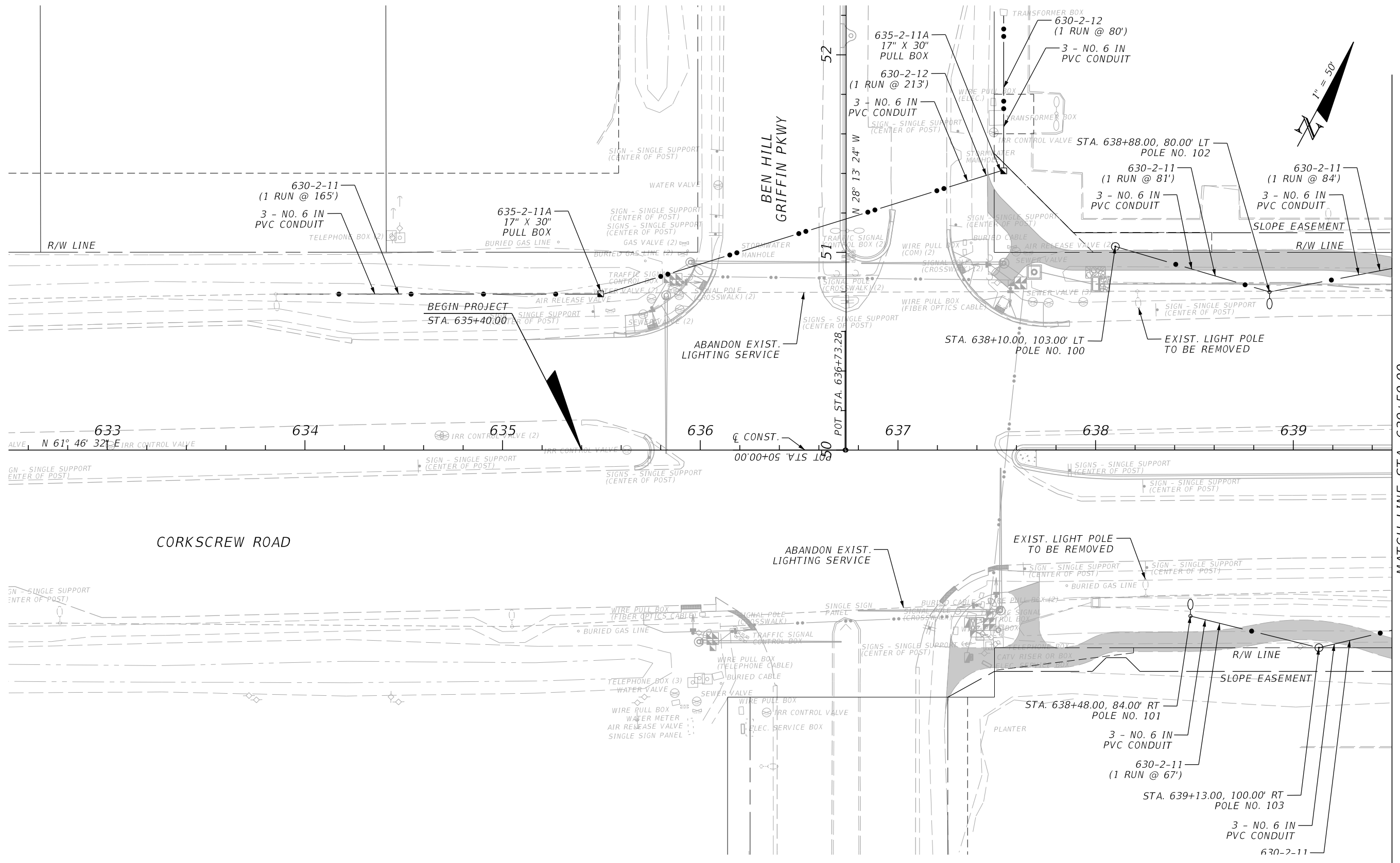
LEGEND

SYMBOLS	DESCRIPTION
	Single arm Tenon Mount Autobahn Series ATB2 60B LED E15 R5 4K luminaire, 480 voltage. Designed for Type II distribution. Pole mounting height 40 and 12 ft.
	Single arm Tenon Mount Autobahn Series ATB2 60B LED E15 R5 4K luminaire, 480 voltage. Designed for Type II distribution. Pole mounting height 20 ft.
	Existing pole and luminaire.
	Schedule 40 PVC conduit with THW or THWN conductors inside (conduit and conductor size as shown on plan sheets). Run one (1) 6 AWG copper bond conductor (TW green insulation) inside conduit with other conductors.
	Schedule 40 PVC conduit directional bored with THW or THWN conductors inside (conduit and conductor size as shown on plan sheets). Run one (1) 6 AWG copper bond conductor (TW green insulation) inside conduit with other conductors.
	Pull box. For specifications see Section 635-001 of Standard Specifications For Road And Bridge Construction.
	Distribution point. For requirements see Index No. 639-001 of Design Standards.



REVISIONS				 LEAH M. HOLMES • P.E. LICENSE NO. 85359 JOHNSON ENGINEERING, INC. 2122 JOHNSON STREET • FORT MYERS, FL 33902 CERTIFICATE OF AUTHORIZATION NO. 642	VILLAGE OF ESTERO PUBLIC WORKS			POLE DATA AND LEGEND	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		L-12
					LEE	20203155-000			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 639+50.00

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

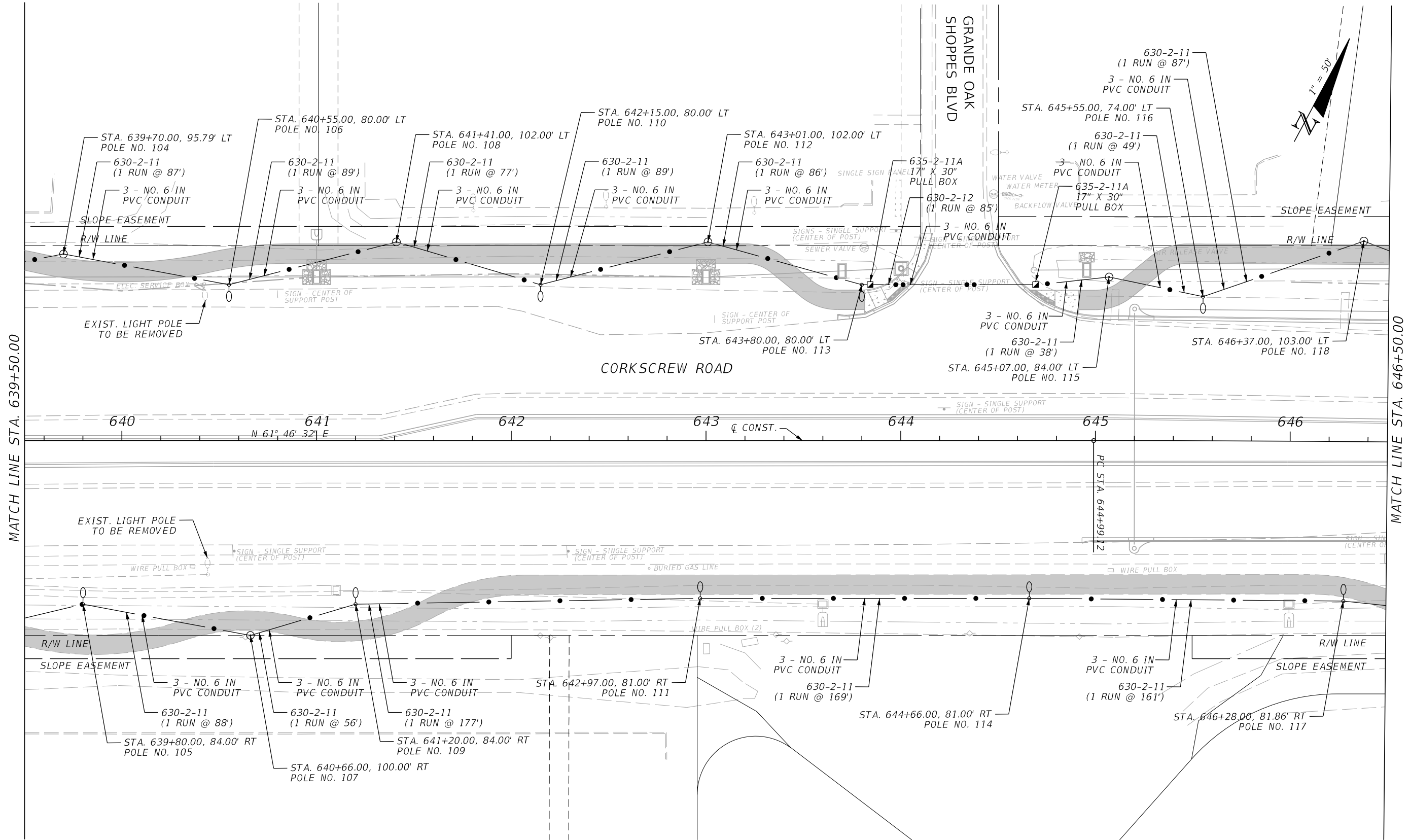
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 635+40 TO STA. 639+50

SHEET NO.
L-14



MATCH LINE STA. 639+50.00

MATCH LINE STA. 646+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

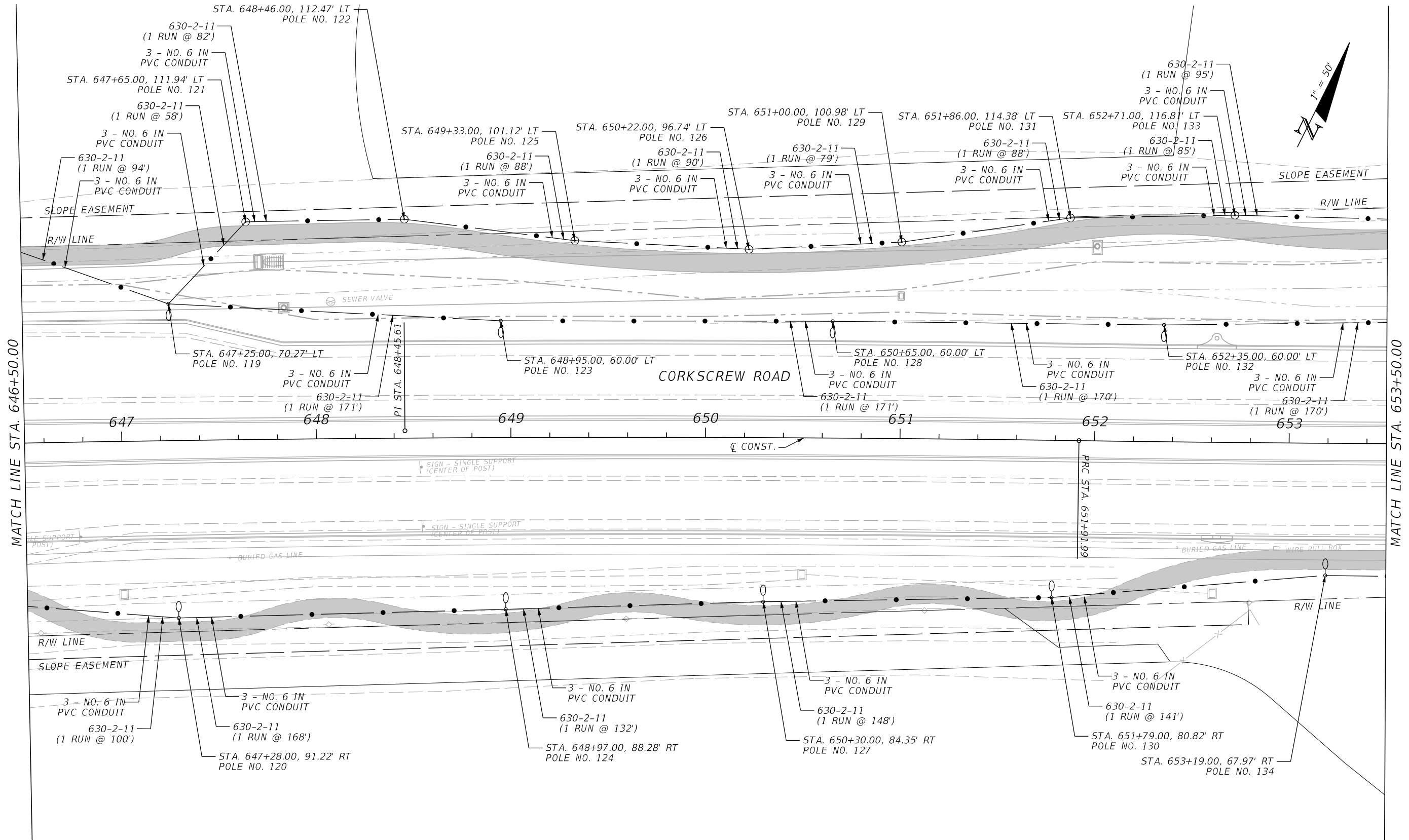
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
 STA. 639+50 TO STA. 646+50

SHEET NO.
L-15

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 646+50.00

MATCH LINE STA. 653+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

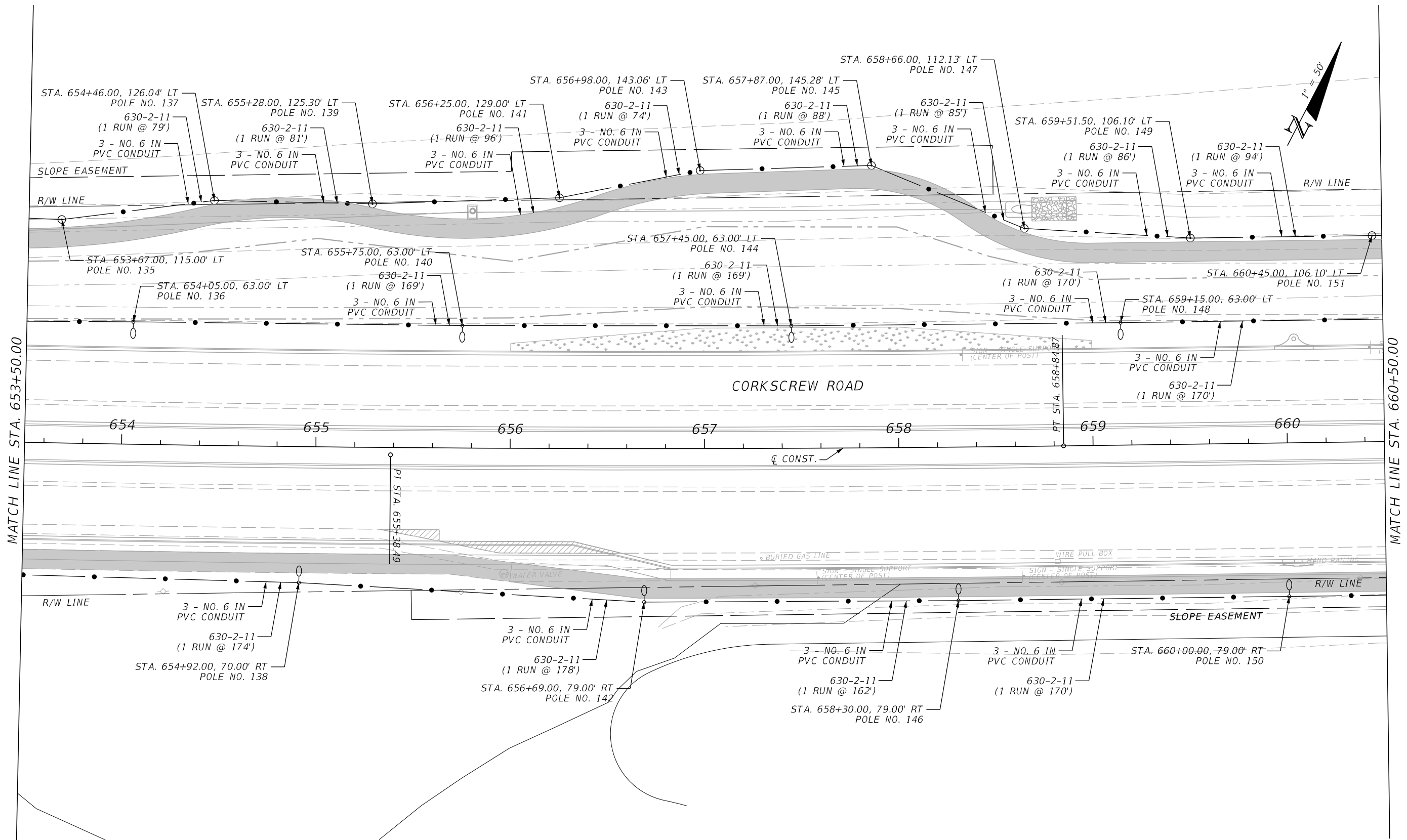
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 646+50 TO STA. 653+50

SHEET NO.
L-16

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 653+50.00

MATCH LINE STA. 660+50.00

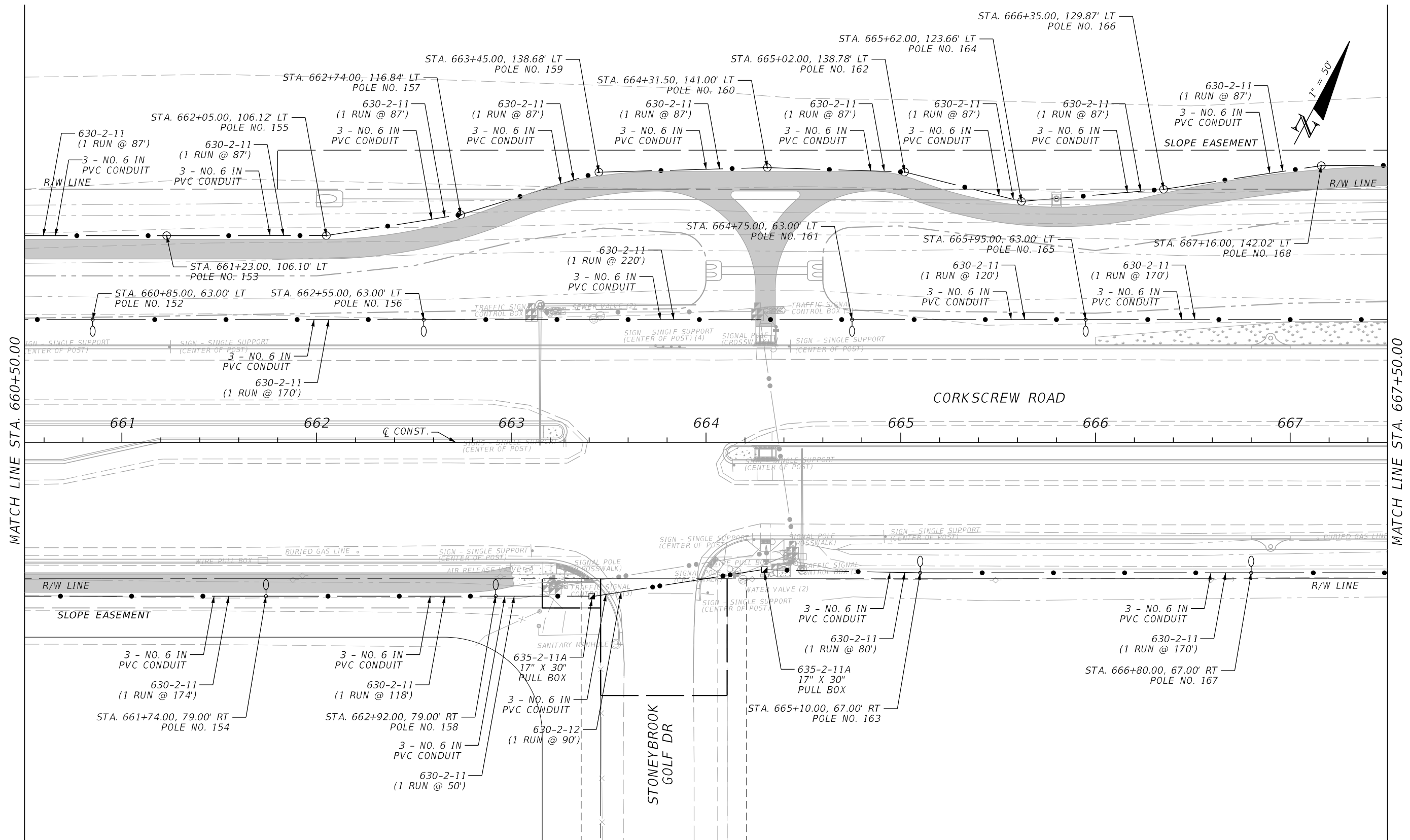
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 653+50 TO STA. 660+50

SHEET NO.
L-17



MATCH LINE STA. 660+50.00

MATCH LINE STA. 667+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

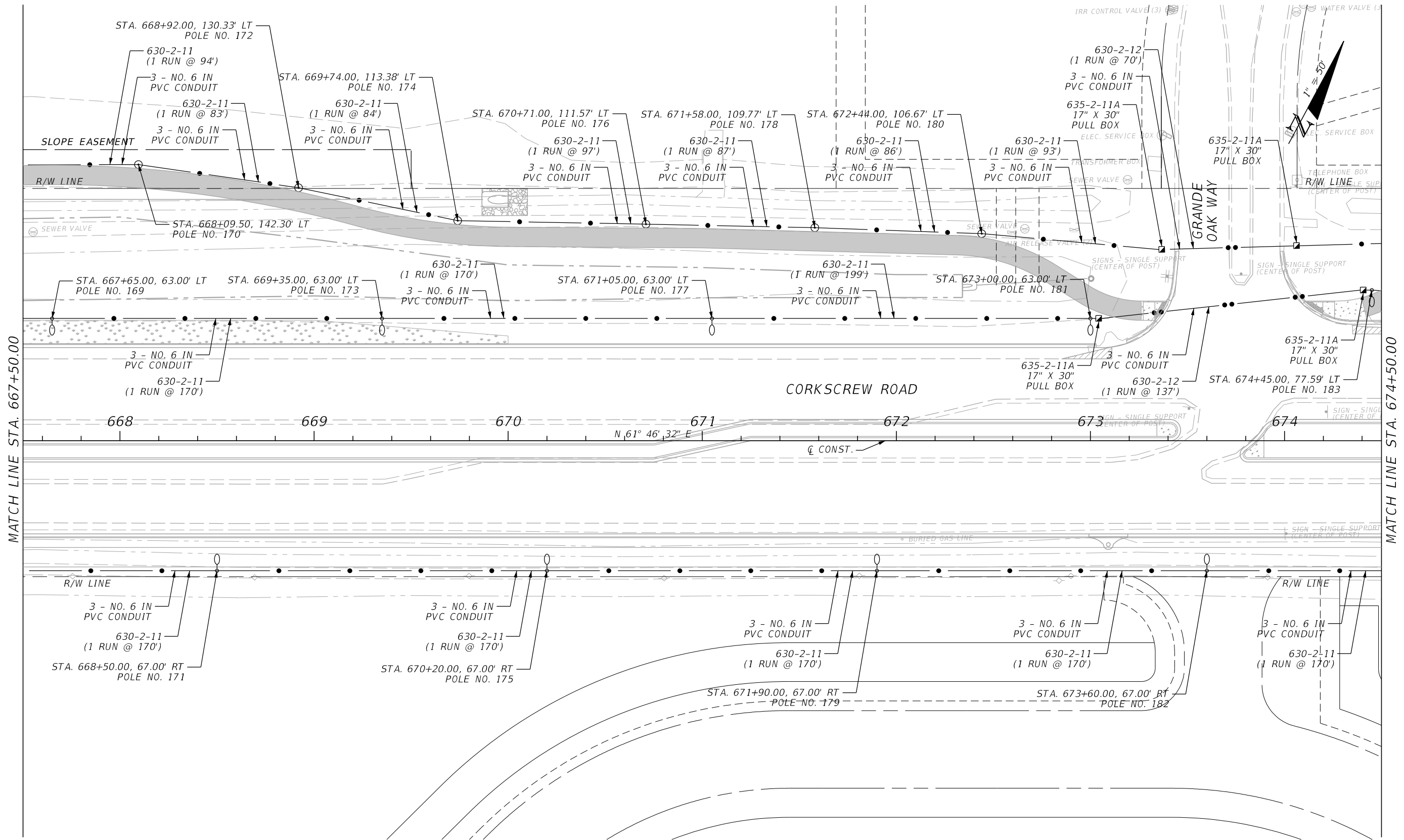
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 660+50 TO STA. 667+50

SHEET NO.
L-18

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 667+50.00

MATCH LINE STA. 674+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

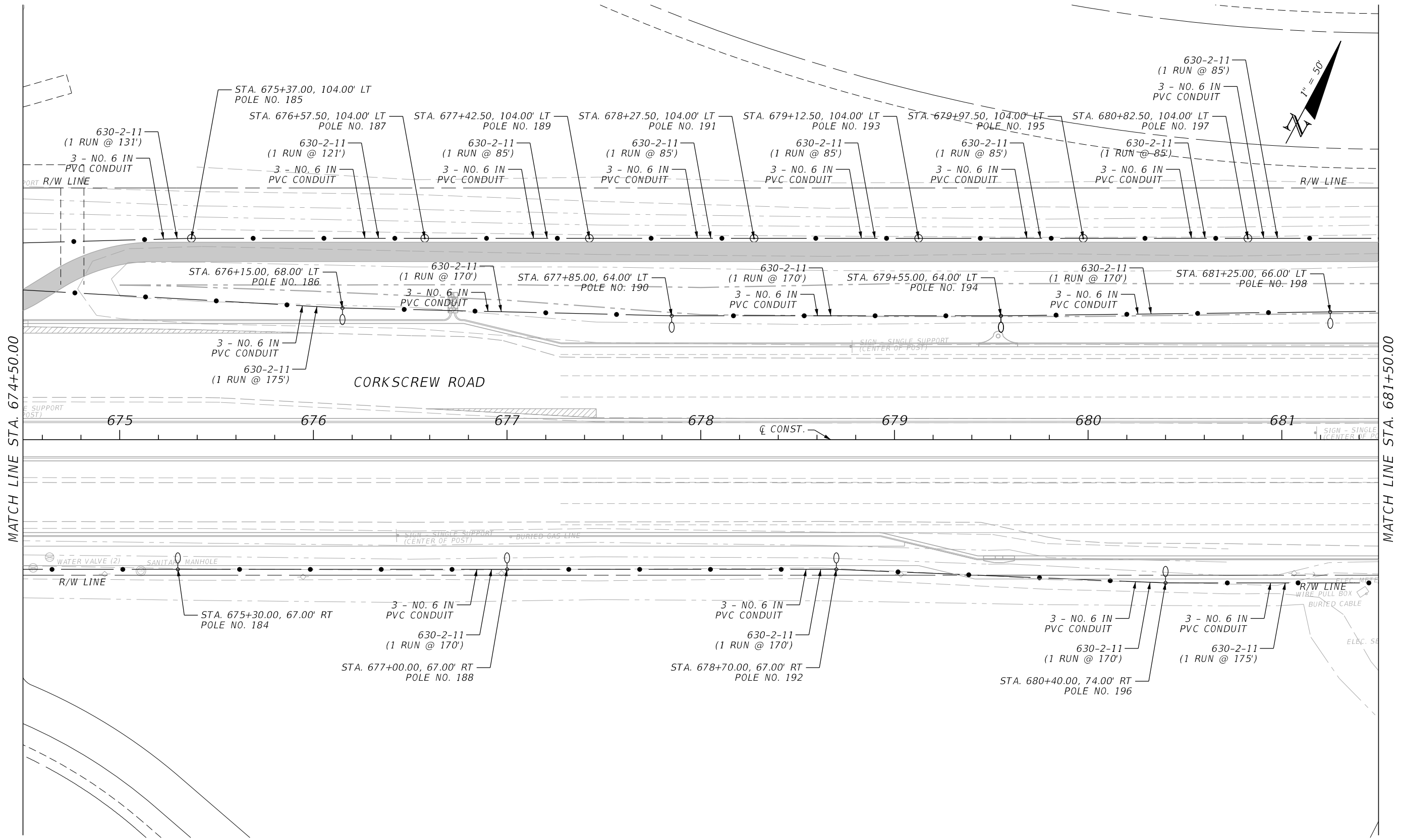
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 667+50 TO STA. 674+50

SHEET NO.
L-19

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 674+50.00

MATCH LINE STA. 681+50.00

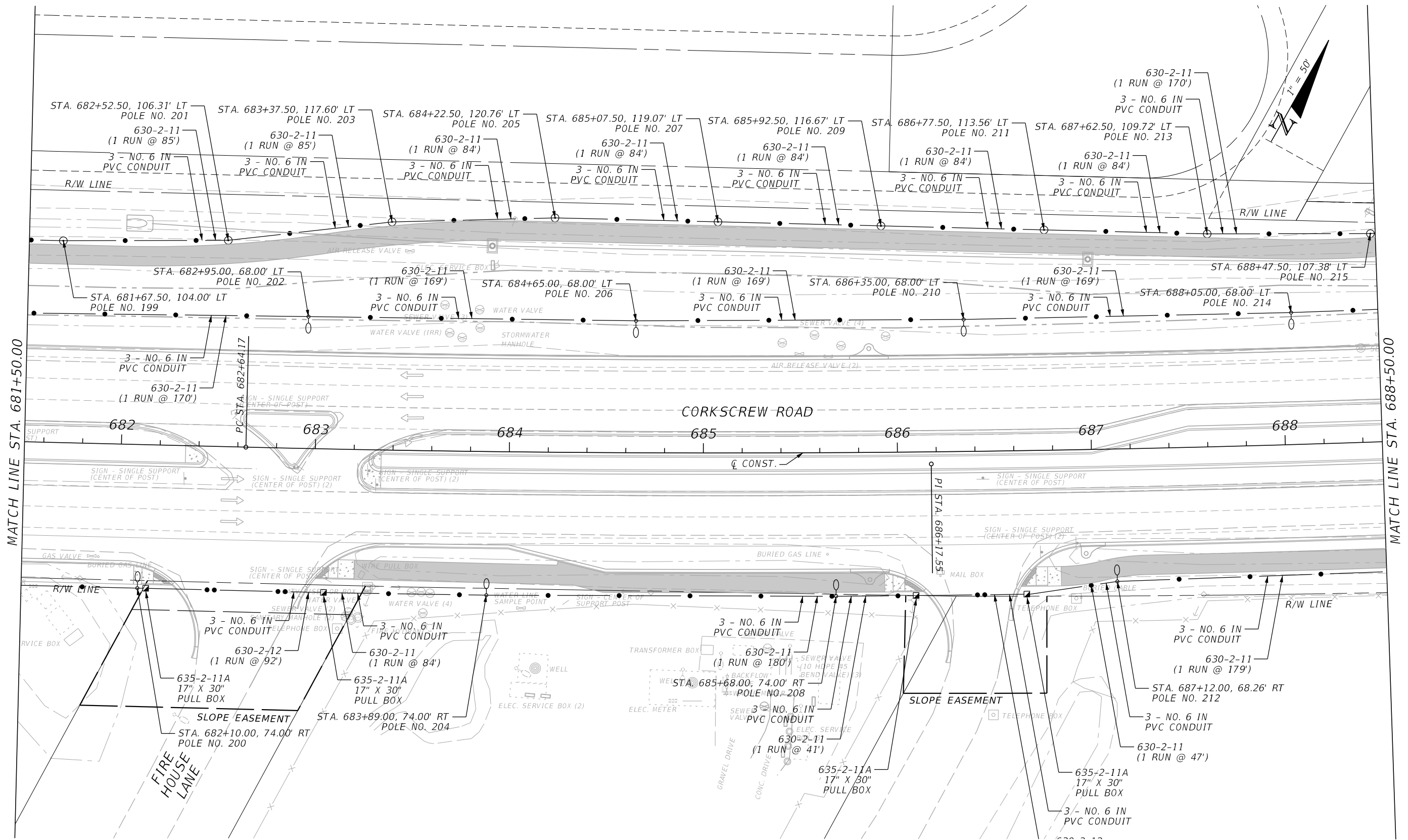
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 674+50 TO STA. 681+50

SHEET NO.
L-20



MATCH LINE STA. 681+50.00

MATCH LINE STA. 688+50.00

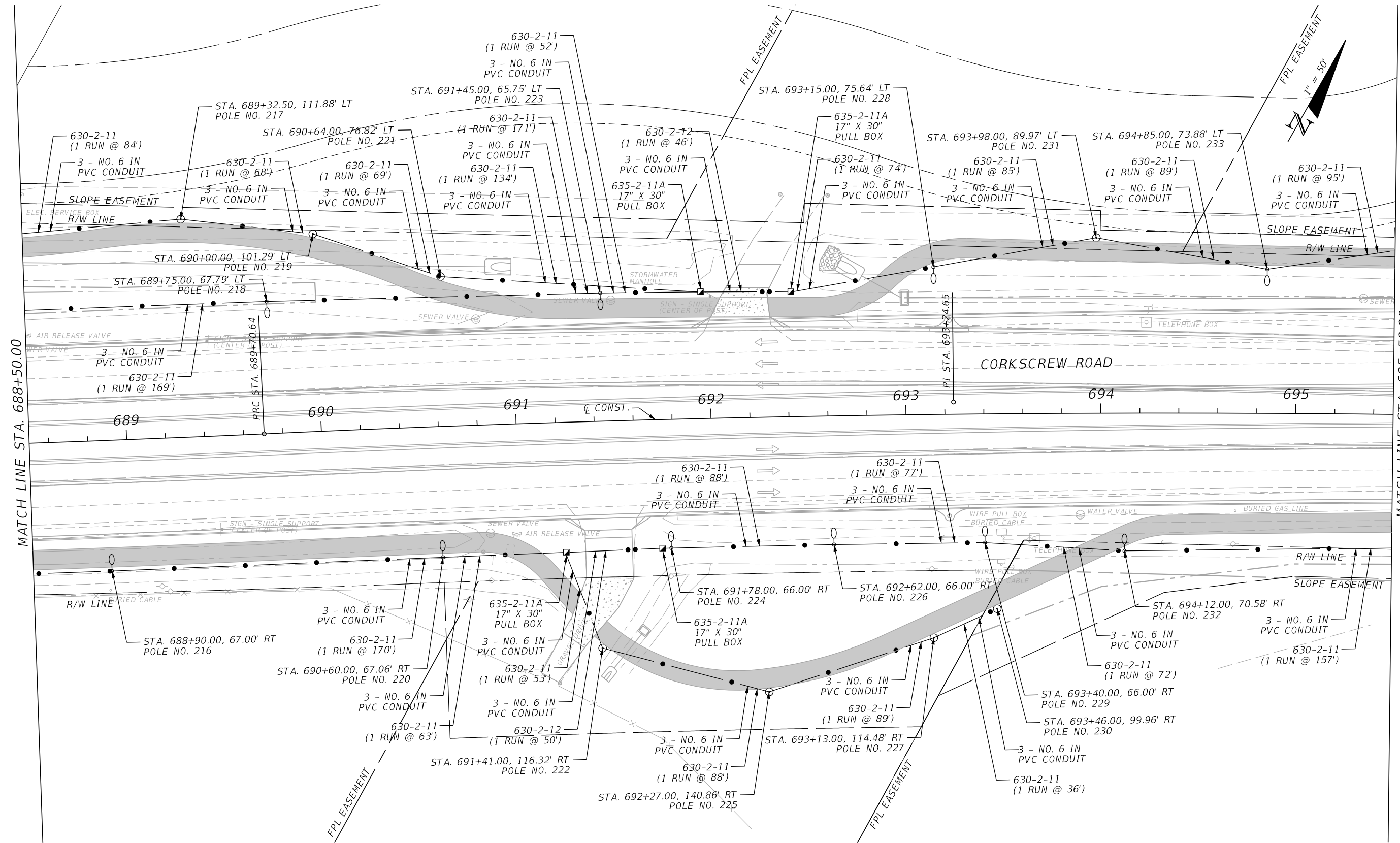
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 681+50 TO STA. 688+50

SHEET NO.
L-21



MATCH LINE STA. 695+50.00

MATCH LINE STA. 688+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

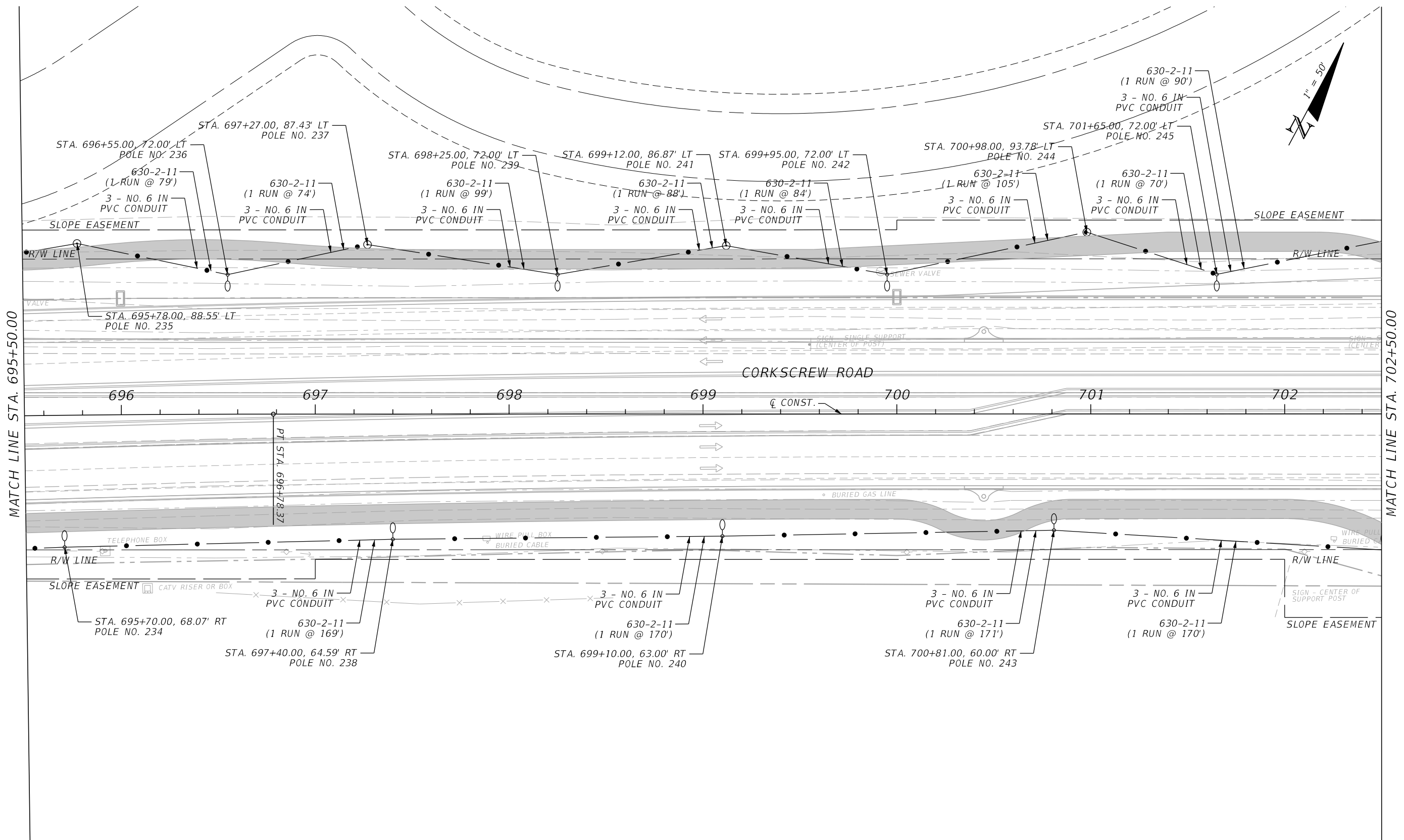
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 688+50 TO STA. 695+50

SHEET NO.
L-22

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 695+50.00

MATCH LINE STA. 702+50.00

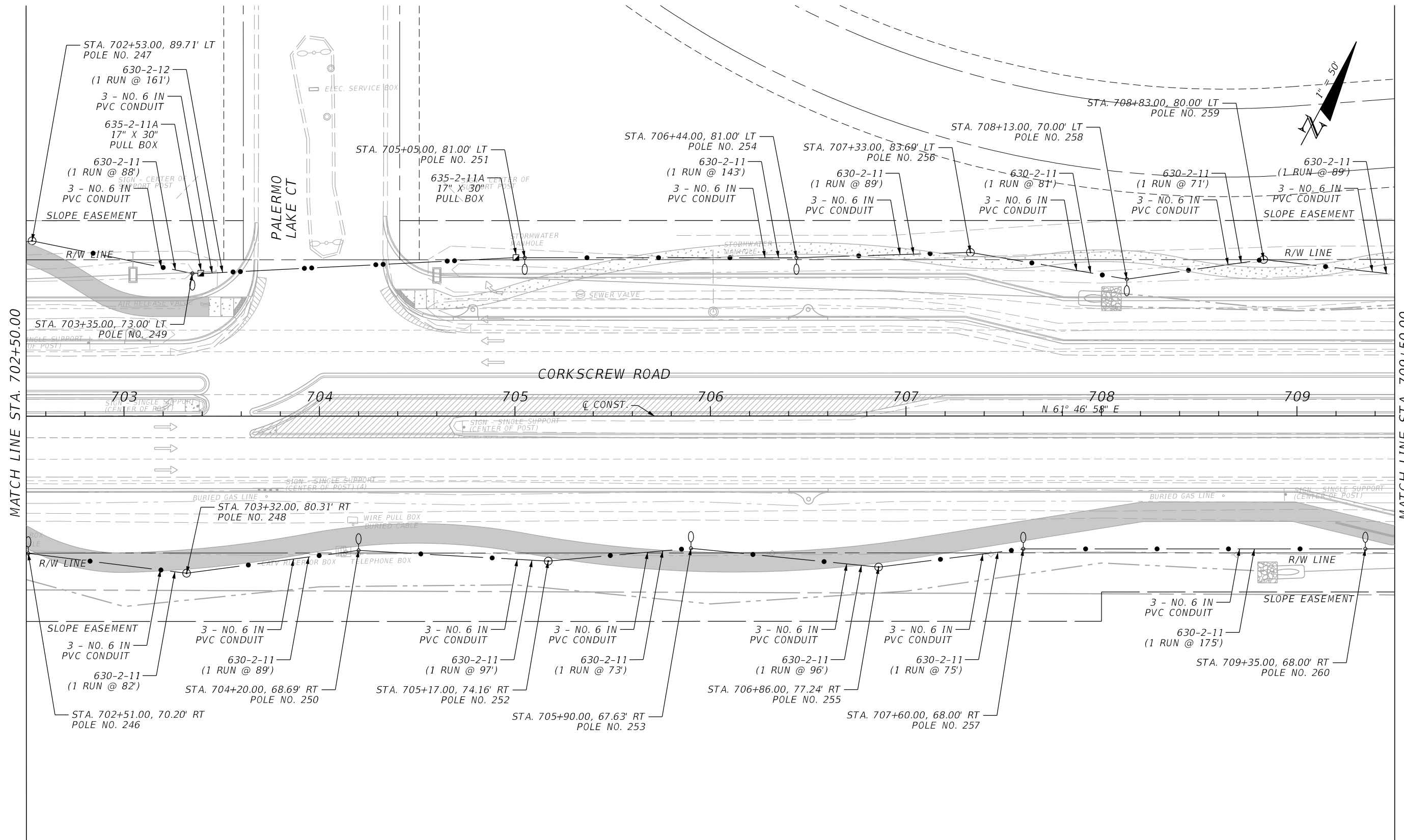
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 695+50 TO STA. 702+50

SHEET NO.
L-23



MATCH LINE STA. 702+50.00

MATCH LINE STA. 709+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

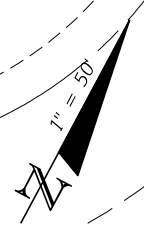
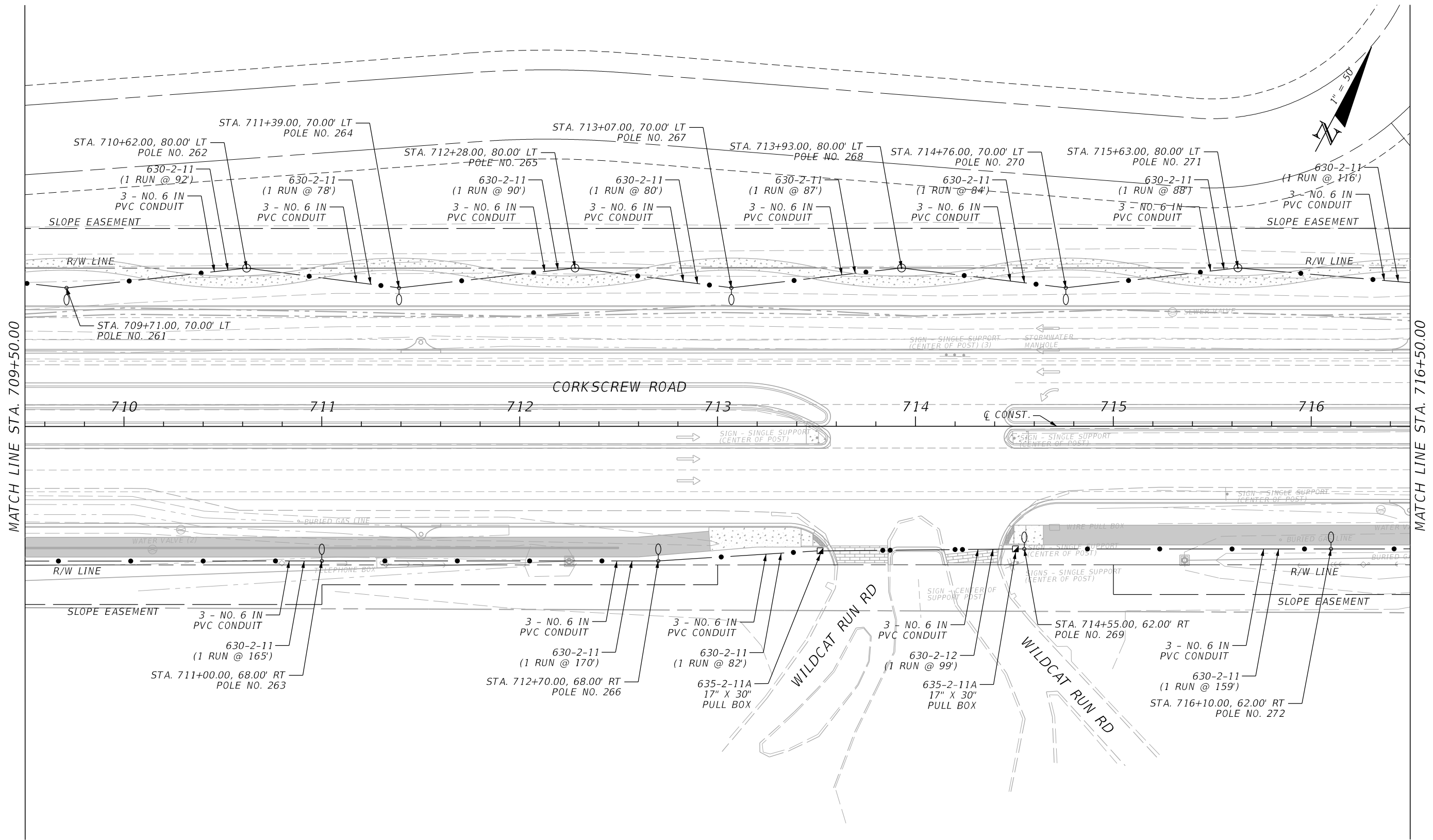
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 702+50 TO STA. 709+50

SHEET NO.
L-24

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 709+50.00

MATCH LINE STA. 716+50.00

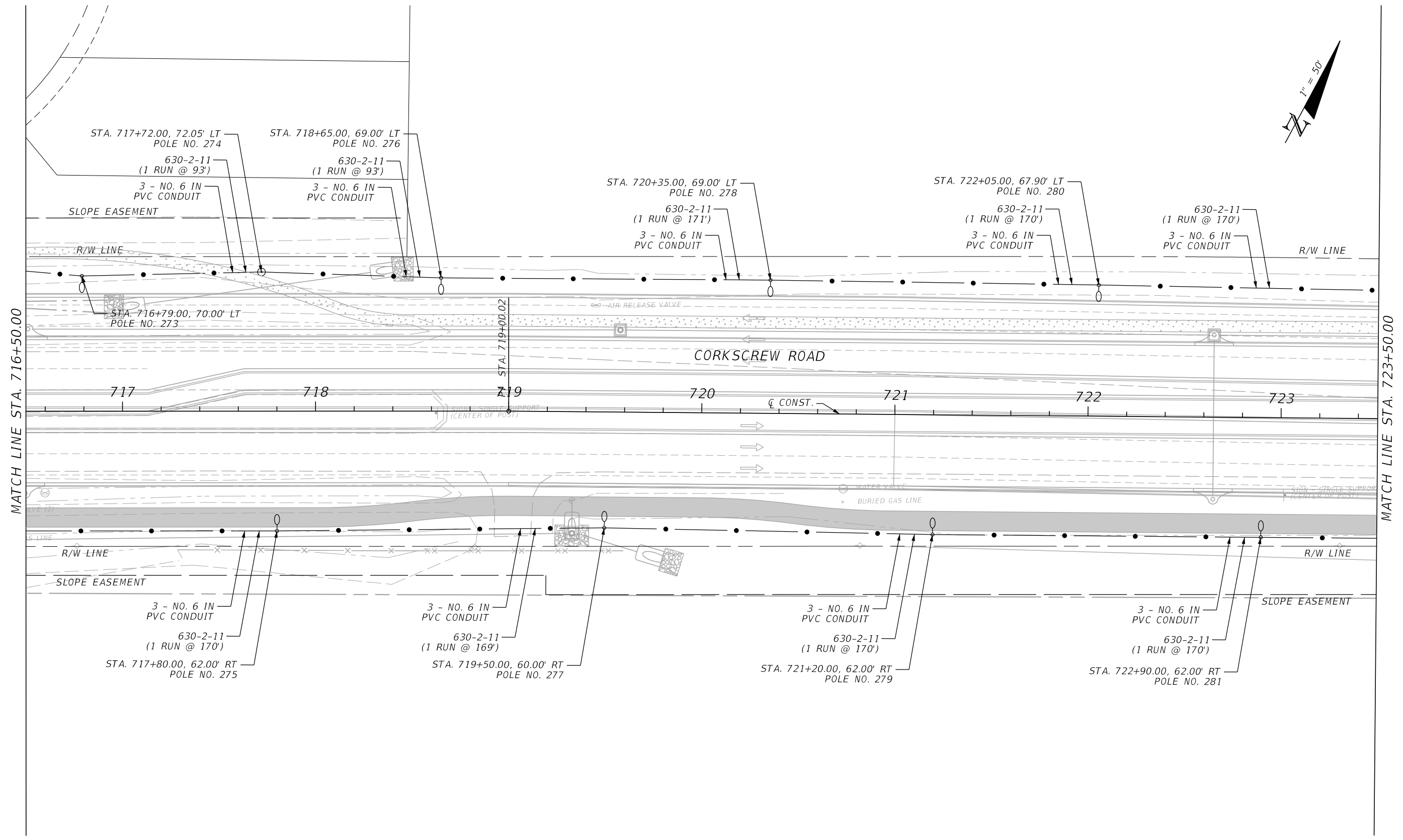
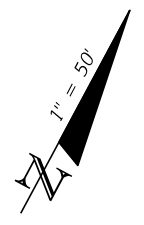
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 709+50 TO STA. 716+50

SHEET NO.
L-25



MATCH LINE STA. 716+50.00

MATCH LINE STA. 723+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

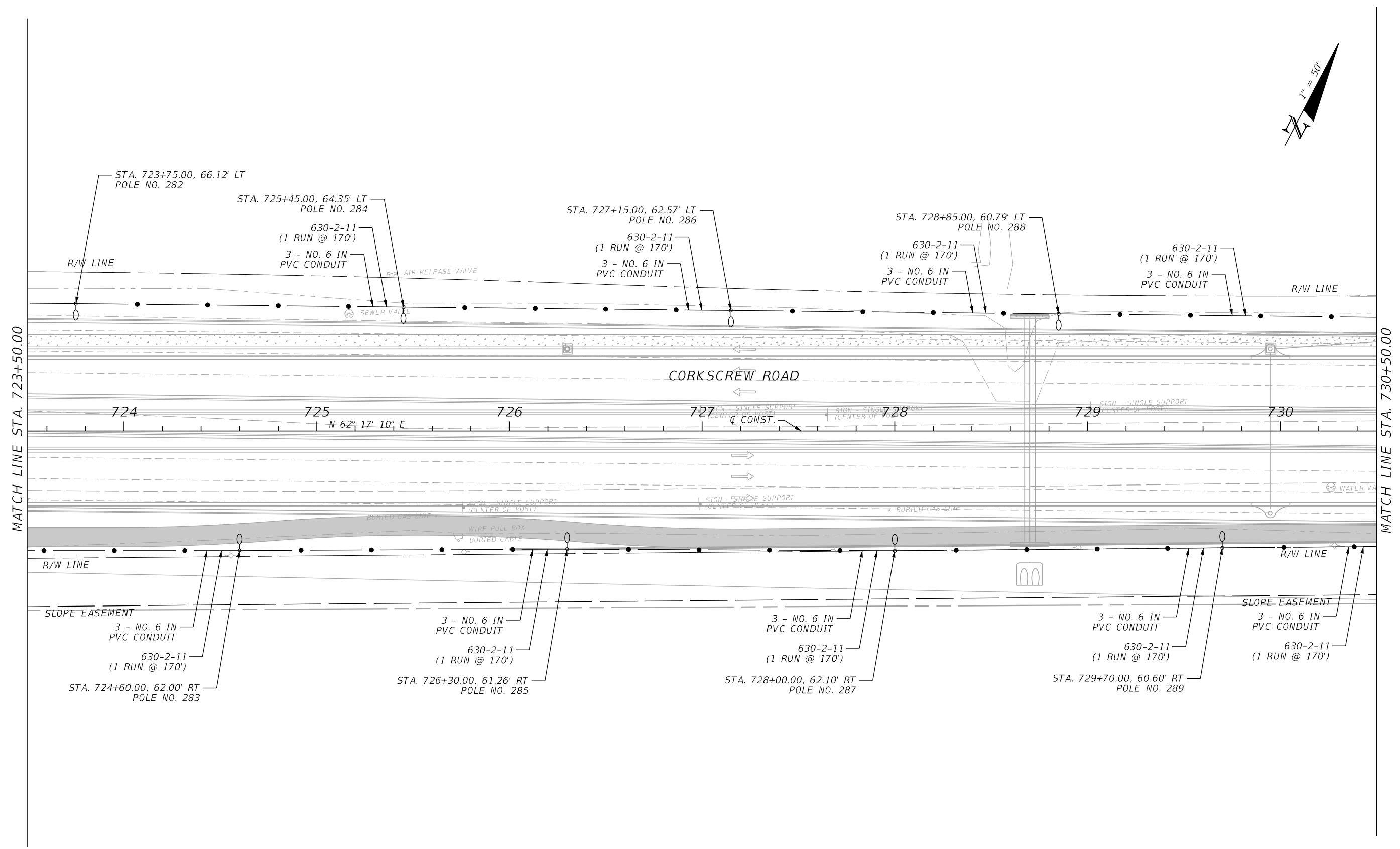
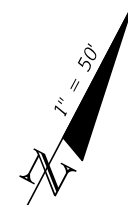
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 716+50 TO STA. 723+50

SHEET NO.
L-26

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 723+50.00

MATCH LINE STA. 730+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

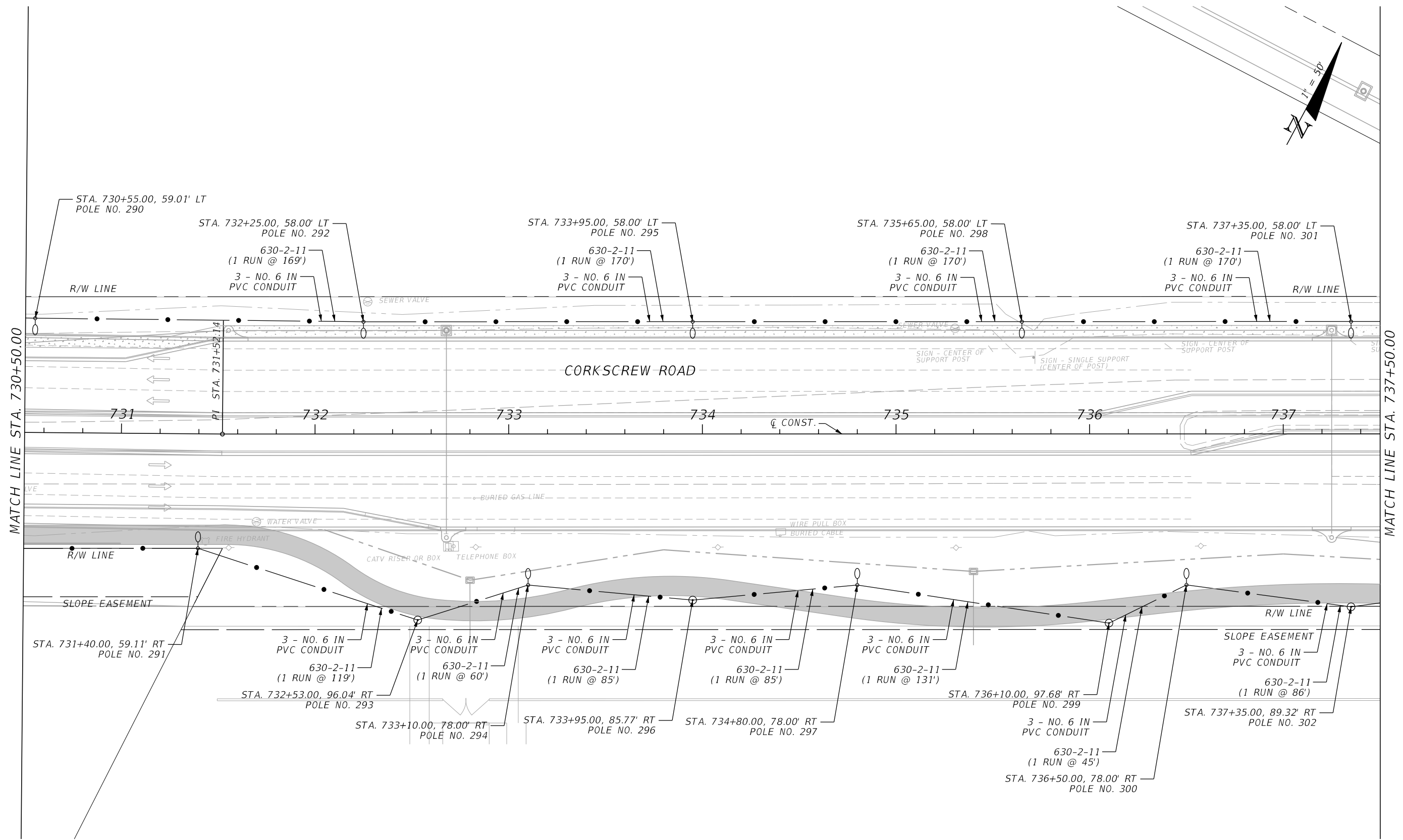
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 723+50 TO STA. 730+50

SHEET NO.
L-27

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

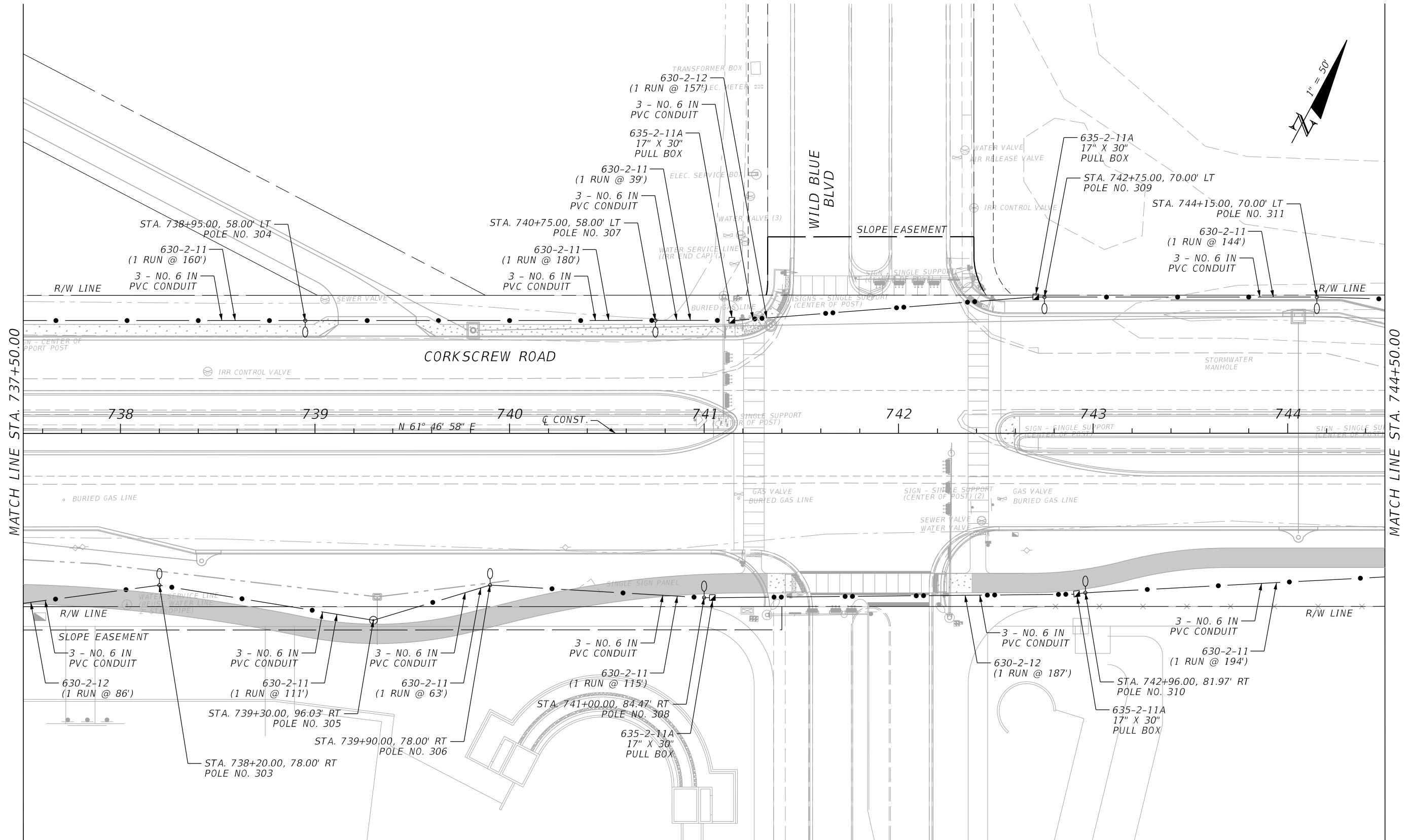
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 730+50 TO STA. 737+50

SHEET NO.
L-28

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 737+50.00

MATCH LINE STA. 744+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

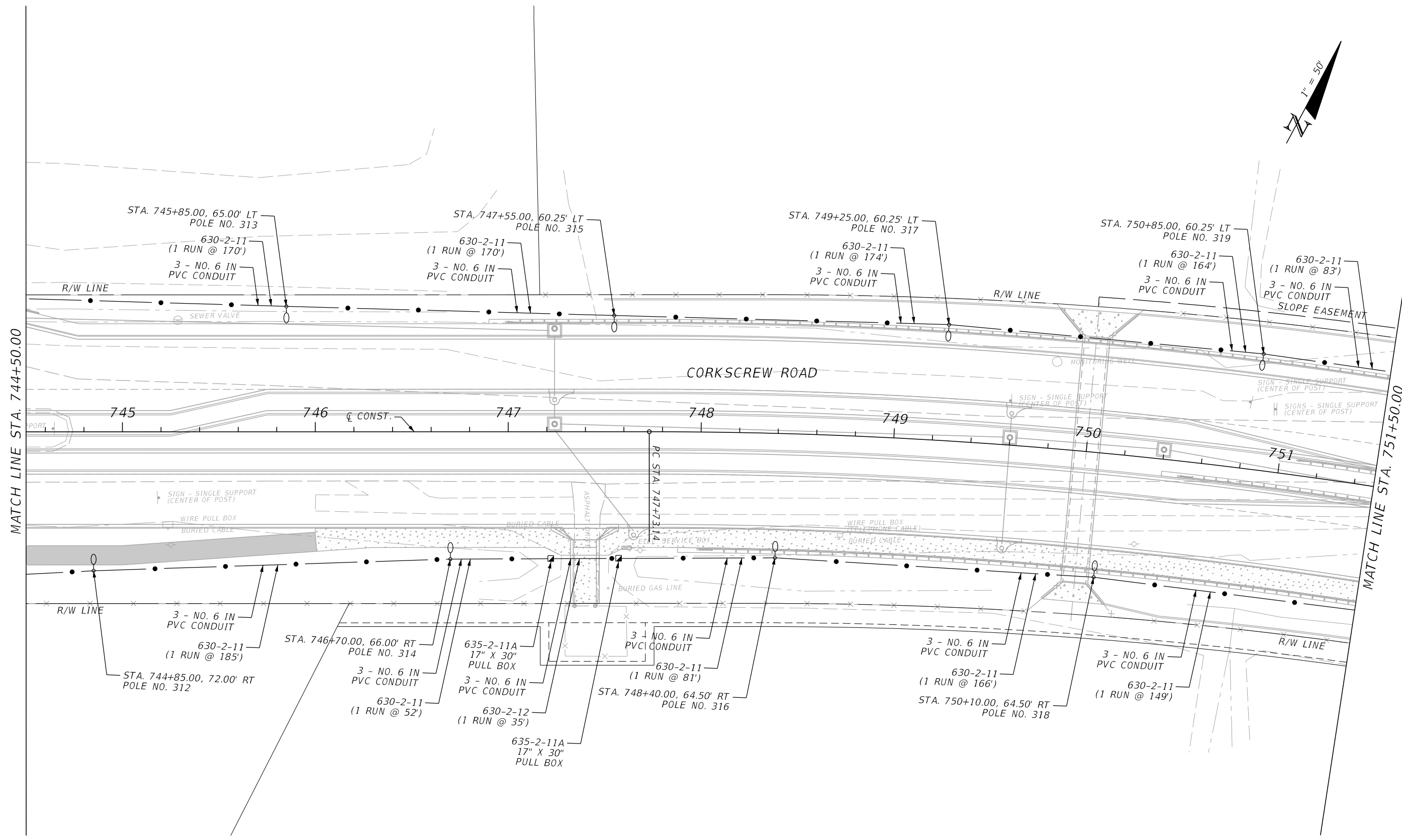
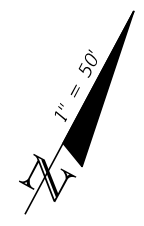
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 737+50 TO STA. 744+50

SHEET NO.
L-29

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 744+50.00

MATCH LINE STA. 751+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

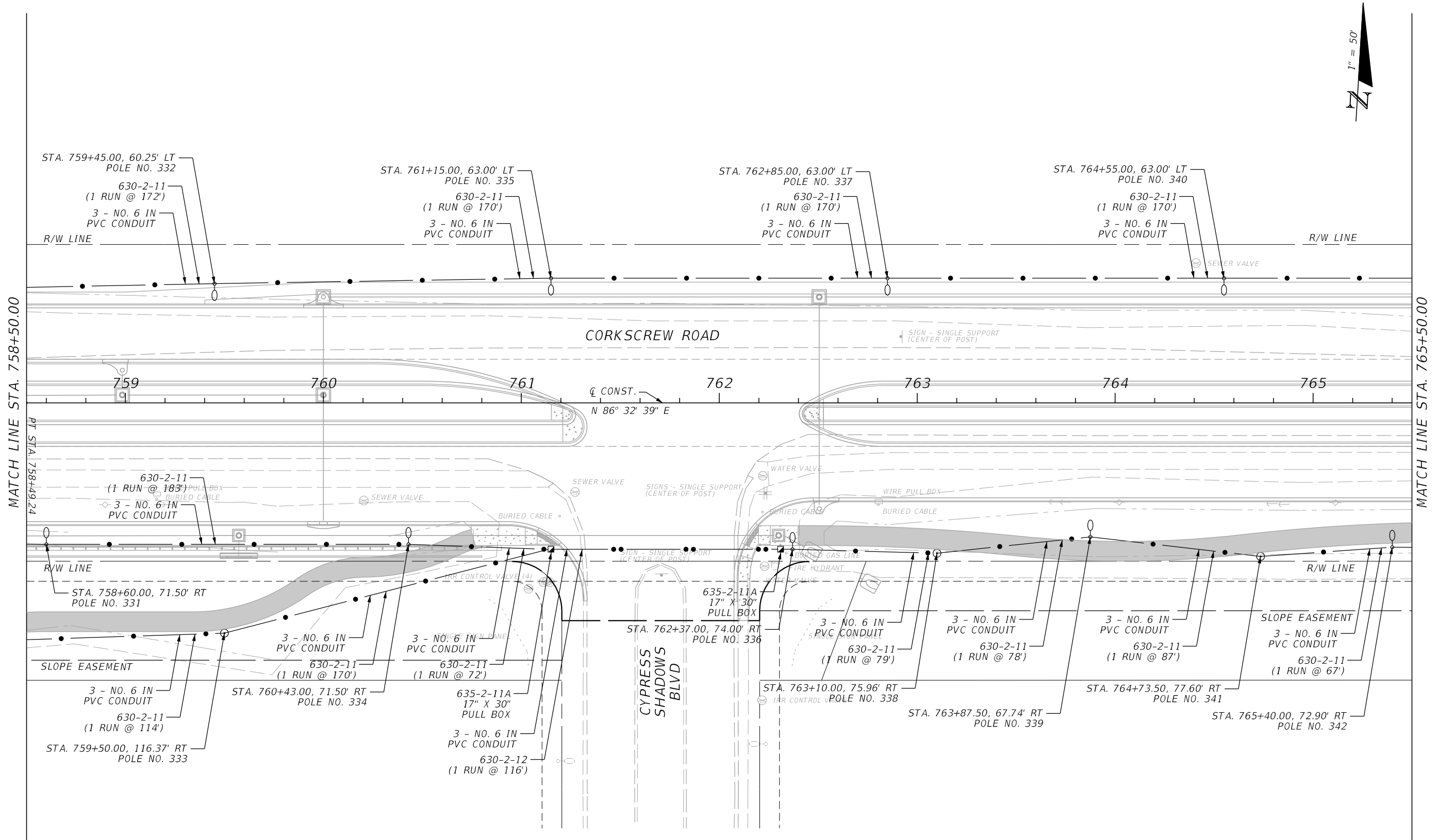
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 744+50 TO STA. 751+50

SHEET NO.
L-30

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

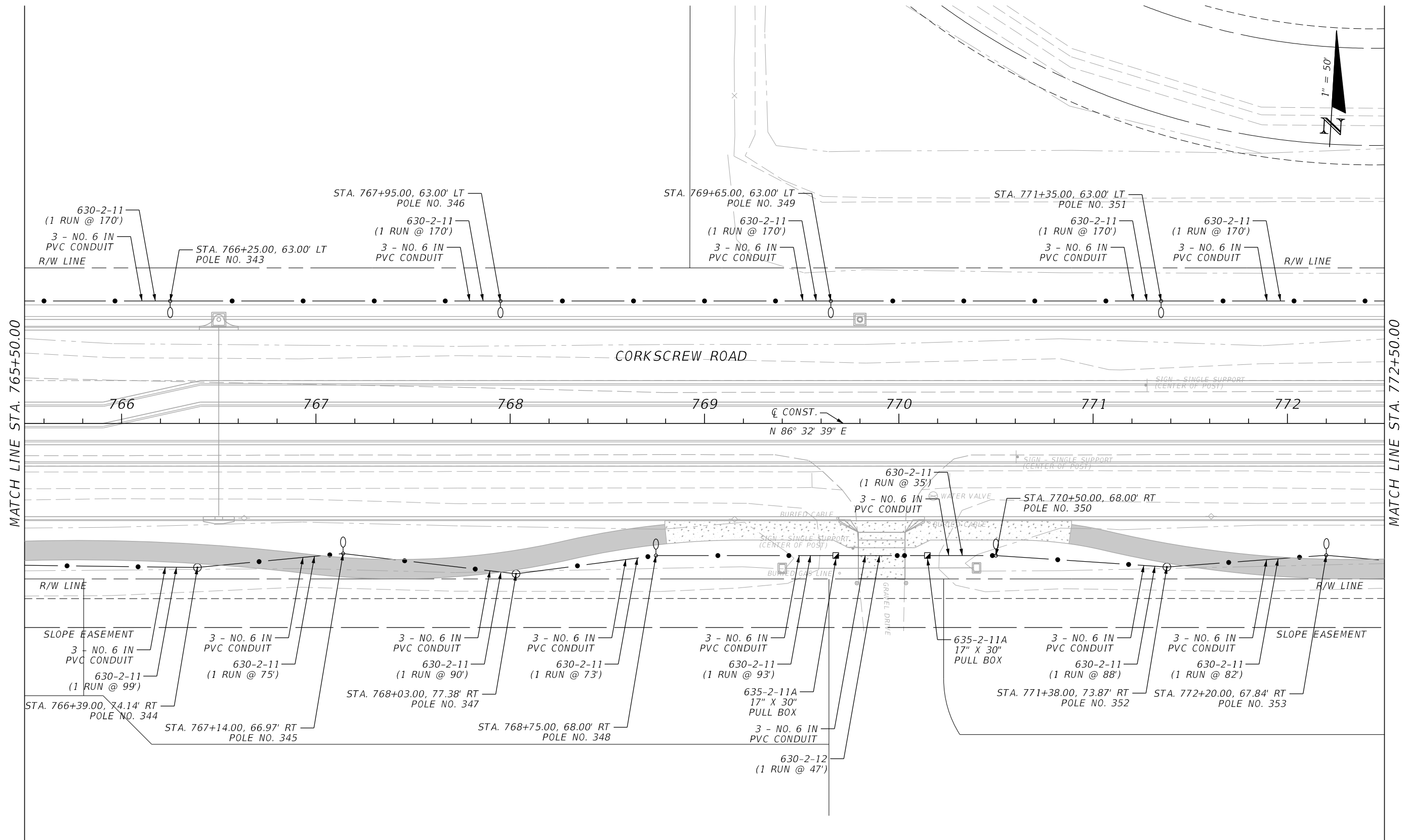
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 758+50 TO STA. 765+50

SHEET NO.
L-32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 765+50.00

MATCH LINE STA. 772+50.00

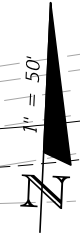
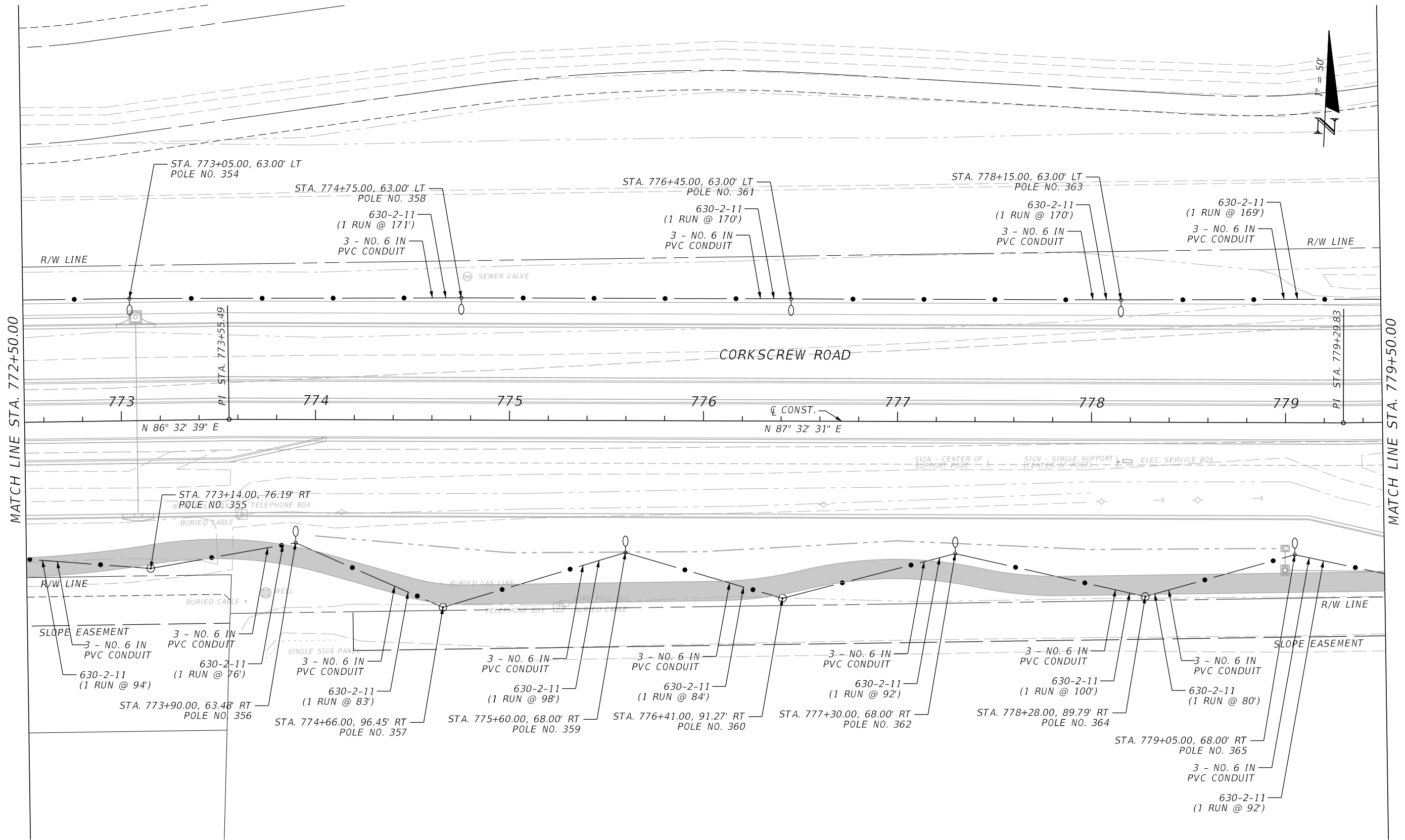
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 765+50 TO STA. 772+50

SHEET NO.
L-33



MATCH LINE STA. 772+50.00

MATCH LINE STA. 779+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

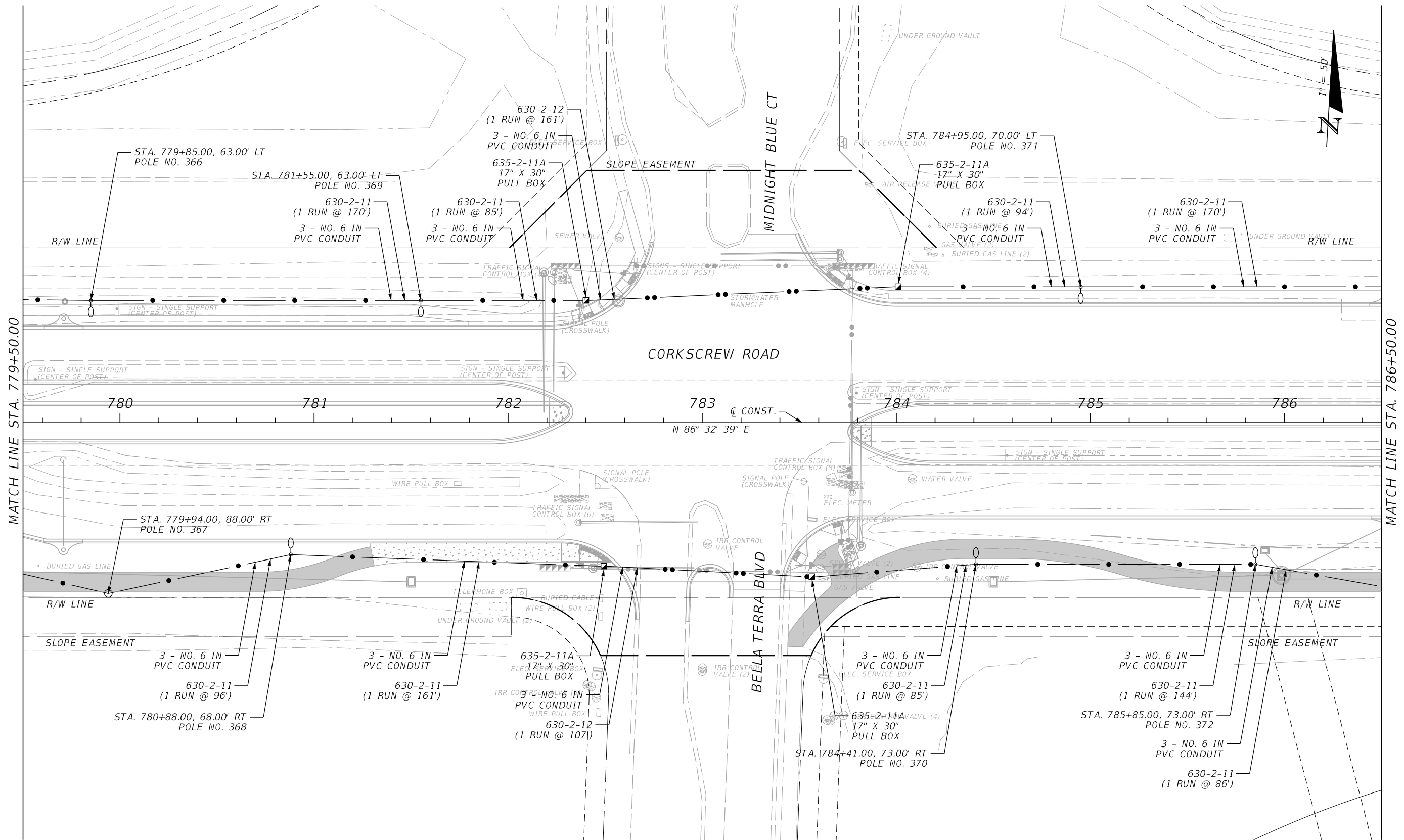
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 772+50 TO STA. 779+50

SHEET NO.
L-34

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 779+50.00

MATCH LINE STA. 786+50.00

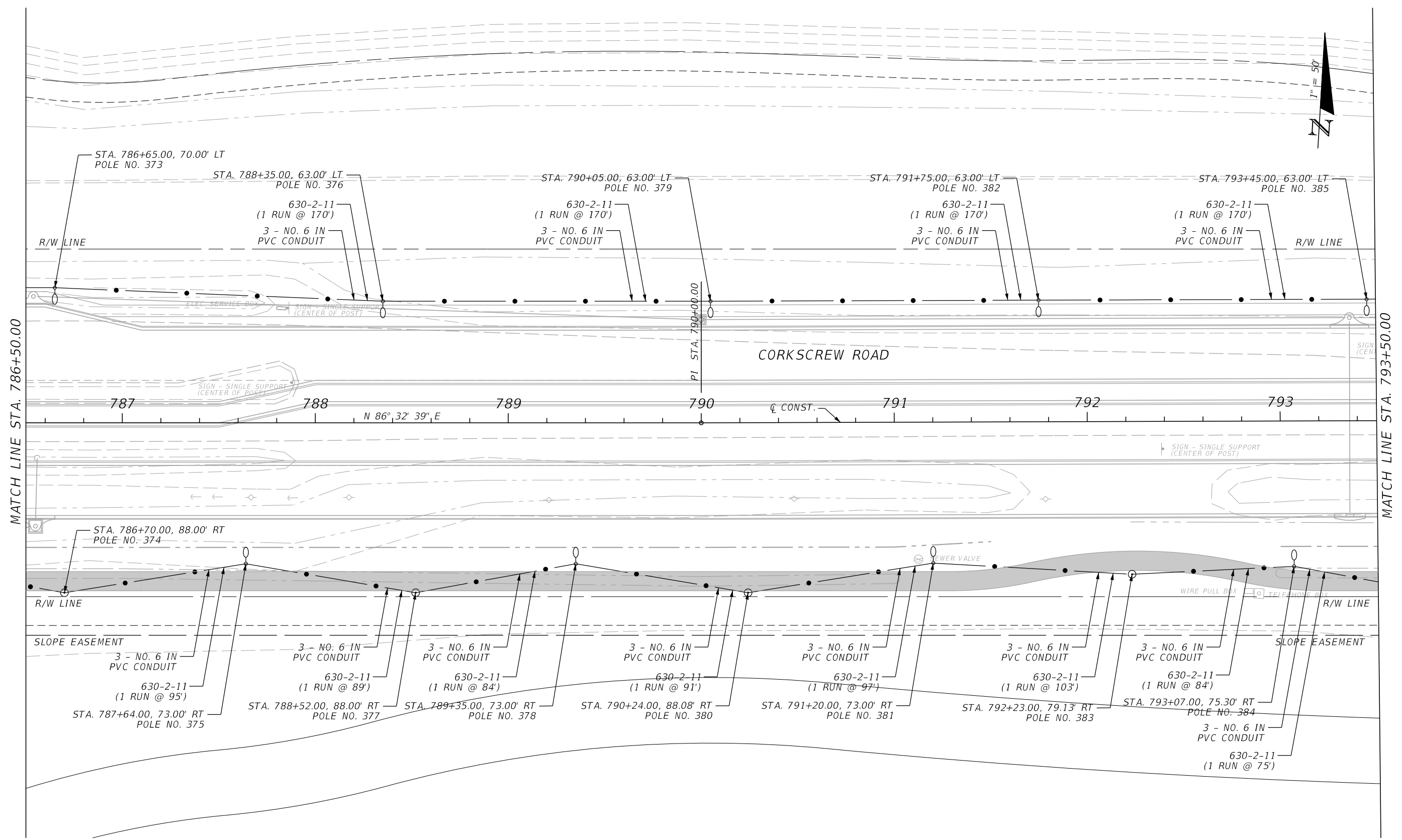
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 779+50 TO STA. 786+50

SHEET NO.
L-35



MATCH LINE STA. 786+50.00

MATCH LINE STA. 793+50.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

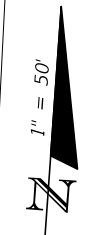
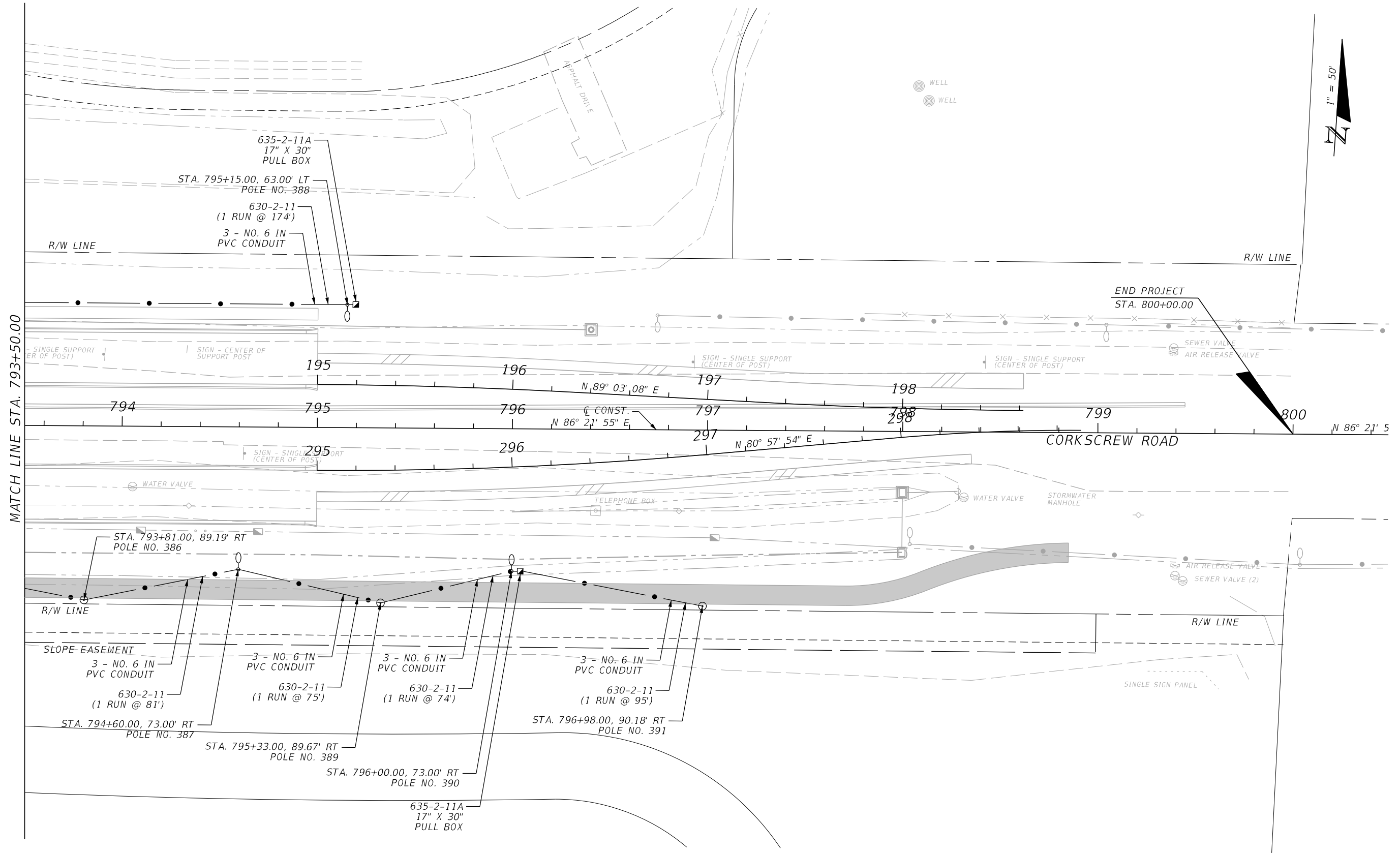
JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 786+50 TO STA. 793+50

SHEET NO.
L-36

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



MATCH LINE STA. 793+50.00

END PROJECT
STA. 800+00.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
 LEAH M. HOLMES • P.E. LICENSE NO. 85359
 JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET • FORT MYERS, FL 33902
 CERTIFICATE OF AUTHORIZATION NO. 642

VILLAGE OF ESTERO PUBLIC WORKS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	LEE	20203155-000

LIGHTING PLAN
STA. 793+50 TO STA. 800+00

SHEET NO.
L-37

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.