

LEE COUNTY PUBLIC WORKS  
DEPARTMENT OF TRANSPORTATION

**CORKSCREW ROAD WIDENING - PHASE 1**

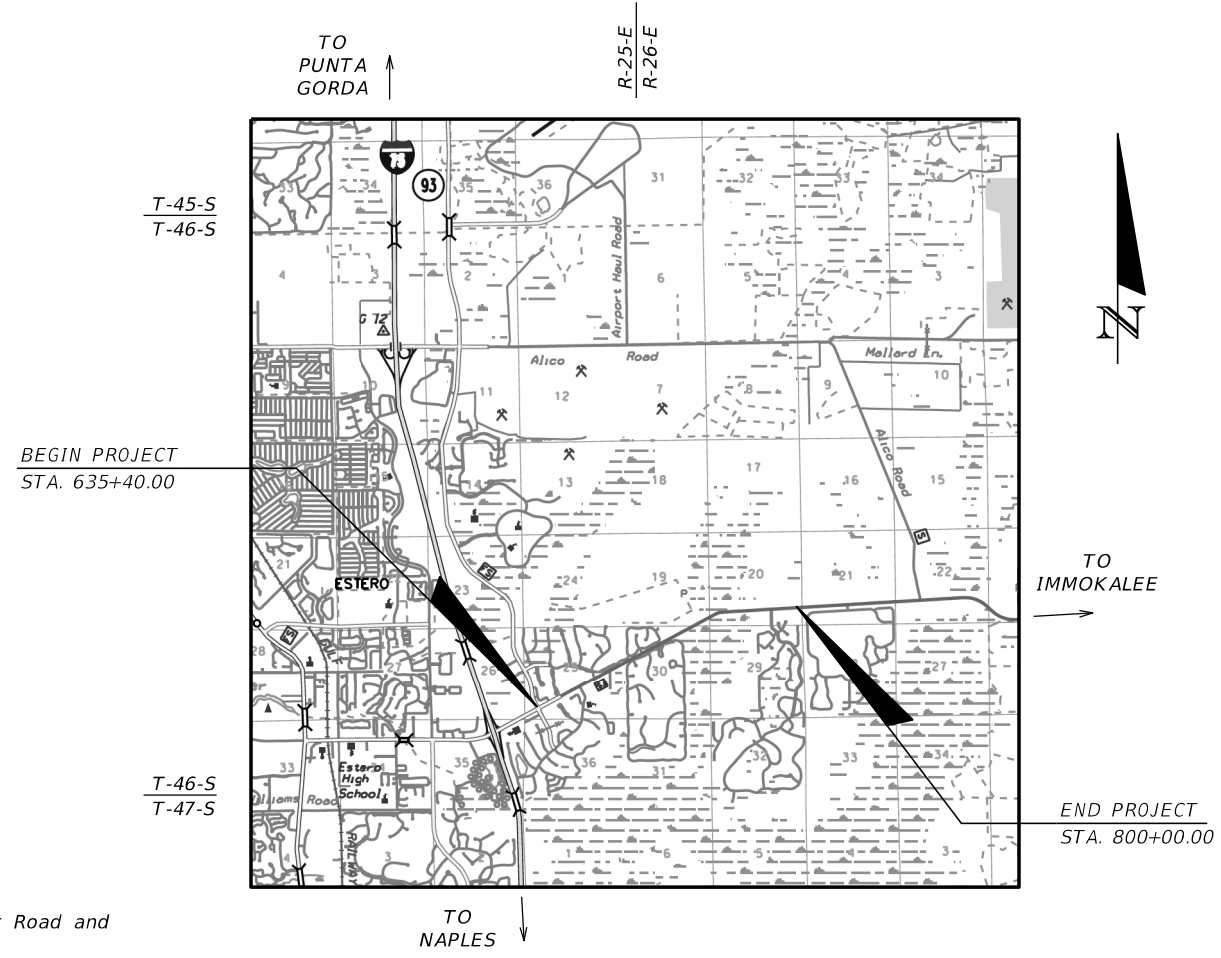
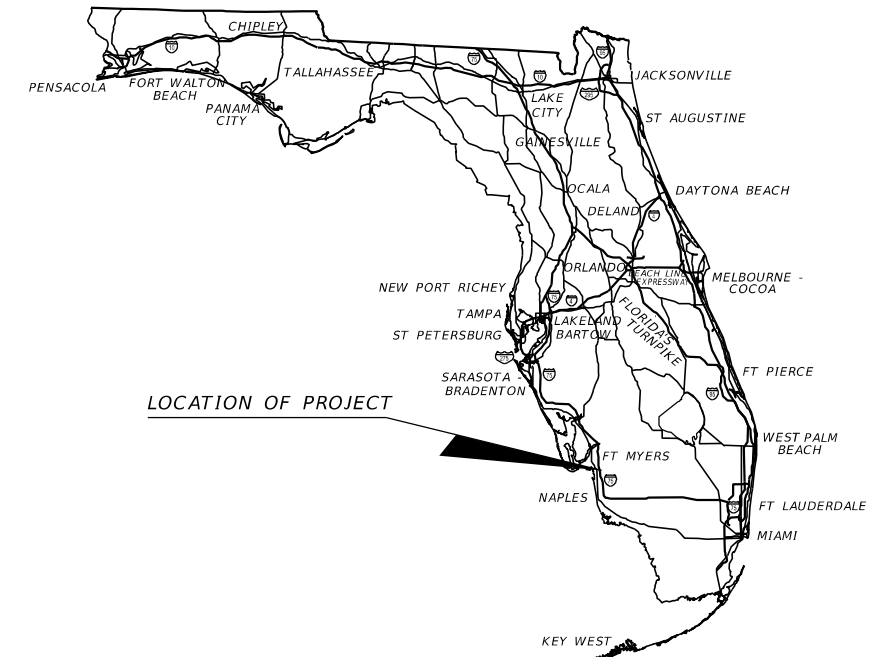
BEN HILL GRIFFIN PARKWAY TO BELLA TERRA BOULEVARD

LEE COUNTY

**LIGHTING PLANS**

INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
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**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY2019-20 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, July 2019 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

LEE COUNTY PROJECT MANAGER:  
THOMAS MARQUARDT, P.E.

60% SUBMITTAL  
MARCH 2020

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	20	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:

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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-10	POLE DATA AND LEGEND SHEET
L-12 - L-35	LIGHTING PLAN SHEETS

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

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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-11	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	LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION			SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	JEI PROJECT ID		L-2
					C.R. 850	LEE	20192030-000		

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	331		1299		1400		1401		1295		1272		1365		8363		29534	
630 2 11A	CONDUIT, FURNISH & INSTALL, INTERCONNECT	LF	209		699		698		703		701		700		701		4411		14946	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			101						105		128		36		370		1772	
630 2 12A	CONDUIT, FURNISH & INSTALL, 8" DIRECTIONAL BORE INTERCONNECT	LF																	500	
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97-144 FIBERS	LF	309		799		798		803		801		800		801		5111		17346	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA			2						2		1		1		6		38	
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1		1		2		1		2		1		1		9		33	
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 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < (#10 AWG STRANDED TRACER/LOCATE WIRE) INTERCONNECT	LF	209		699		698		703		701		700		701		4411		14946	
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	1018		4265		4241		4242		4265		4256		4257		26544		95382	
715 4 14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	3		4		5		5		4		5		5		31		107	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	3		4		5		5		4		5		5		31		107	

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  
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LEE COUNTY PUBLIC WORKS  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**TABULATION OF QUANTITIES**

SHEET NO.  
L-3

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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	1205		1182		1400		1283		1279		1337		1400		9085		29534	
630 2 11A	CONDUIT, FURNISH & INSTALL, INTERCONNECT	LF	706		697		699		700		702		700		700		4904		14946	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	197		218				118		122		63				716		1772	
630 2 12A	CONDUIT, FURNISH & INSTALL, 8" DIRECTIONAL BORE INTERCONNECT	LF																	500	
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97-144 FIBERS	LF	806		797		799		800		802		800		800		5604		17346	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA	4		4				2		2		2				14		38	
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	2		1		2		1		1		2		1		10		33	
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-II SERVICE POLE	EA																		
715 1 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < (#10 AWG STRANDED TRACER/LOCATE WIRE) INTERCONNECT	LF	706		697		699		700		702		700		700		4904		14946	
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	4300		4304		4240		4265		4273		4272		4232		29885		95382	
715 4 14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	4		5		5		4		5		5		4		32		107	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	4		5		5		4		5		5		4		32		107	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY PUBLIC WORKS  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

TABULATION OF QUANTITIES

SHEET NO.  
L-4

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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	1400		1272		1339		1403		1277		1333		1400		9425		29534	
630 2 11A	CONDUIT, FURNISH & INSTALL, INTERCONNECT	LF	701		700		489		383		701		700		701		4376		14946	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF			129		61				123		67				379		1772	
630 2 12A	CONDUIT, FURNISH & INSTALL, 8" DIRECTIONAL BORE INTERCONNECT	LF					201		299								500		500	
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97-144 FIBERS	LF	801		800		589		483		801		800		801		5076		17346	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA			2		2		4		2		2				12		38	
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	2		1		2		2		1		2		1		11		33	
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-II SERVICE POLE	EA																		
715 1 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < (#10 AWG STRANDED TRACER/LOCATE WIRE) INTERCONNECT	LF	701		700		489		383		701		700		701		4376		14946	
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	4241		4274		4261		4314		4273		4264		4241		29867		95382	
715 4 14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	5		5		4		5		5		4		5		33		107	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	5		5		4		5		5		4		5		33		107	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY PUBLIC WORKS  
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ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**TABULATION OF QUANTITIES**

SHEET NO.  
L-5

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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	1095		1400			166										2661	29534	
630 2 11A	CONDUIT, FURNISH & INSTALL, INTERCONNECT	LF	701		554													1255	14946	
630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	307															307	1772	
630 2 12A	CONDUIT, FURNISH & INSTALL, 8" DIRECTIONAL BORE INTERCONNECT	LF																	500	
633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97-144 FIBERS	LF	801		654			100										1555	17346	
635 2 11A	PULL & SPLICE BOX, F&I, 17" X 30" COVER SIZE	EA	4					2										6	38	
635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1		2													3	33	
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-II SERVICE POLE	EA																		
715 1 11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < (#10 AWG STRANDED TRACER/LOCATE WIRE) INTERCONNECT	LF	701		554													1255	14946	
715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 (NO. 6)	LF	4308		4232			546										9086	95382	
715 4 14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	5		4			2										11	107	
715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA																		
715 500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	EA	5		4			2										11	107	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**  
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 JOHNSON ENGINEERING, INC.  
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LEE COUNTY PUBLIC WORKS  
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**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 (NEC) 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 LEE COUNTY 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 LEE COUNTY 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	LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">GENERAL NOTES</h2>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	JEI PROJECT ID		L-7
					C.R. 850	LEE	20192030-000		

**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:**

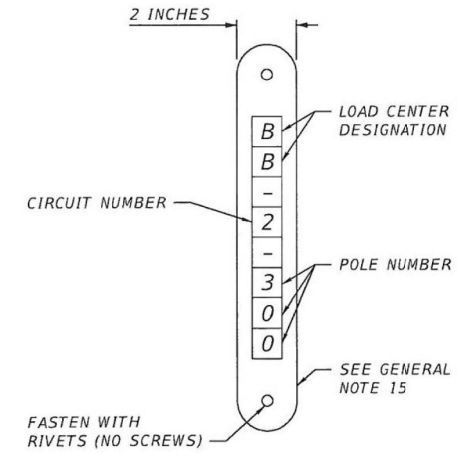
SHALL INCLUDE CONDUCTORS AS INDICATED IN THE PLANS AND THE STANDARD PLANS. PAYMENT SHALL BE MADE ON LINEAR FOOT OF SINGLE CONDUCTOR. CONDUCTOR INSULATION SHALL BE THWN-2. USE NIGHTMASTER PART #D8903-SQH63-V06 AND REFER TO LEE COUNTY SPECIFICATIONS.

**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	LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION			PAY ITEM NOTES AND DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	JEI PROJECT ID		
						C.R. 850	LEE		20192030-000



POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
100		638+27.47	0	255	45'	81.64'	715-4-14
101		637+41.22	0	255	45'	75.38'	715-4-14
102		640+58.99	0	255	45'	84.60'	715-4-14
103		639+09.27	0	255	45'	74.92'	715-4-14
104		643+59.32	0	255	45'	79.26'	715-4-14
105		642+09.32	0	255	45'	73.76'	715-4-14
106		646+60.77	0	255	45'	73.68'	715-4-14
107		645+09.14	0	255	45'	70.16'	715-4-14
108		649+60.92	0	255	45'	66.00'	715-4-14
109		648+10.31	0	255	45'	65.37'	715-4-14
110		652+61.69	0	255	45'	66.00'	715-4-14
111		651+11.64	0	255	45'	65.00'	715-4-14
112		655+59.60	0	255	45'	66.00'	715-4-14
113		654+11.04	0	255	45'	65.00'	715-4-14
114		658+57.33	0	255	45'	66.00'	715-4-14
115		657+08.05	0	255	45'	77.00'	715-4-14
116		661+57.15	0	255	45'	66.00'	715-4-14
117		660+07.15	0	255	45'	77.00'	715-4-14
118		664+56.88	0	255	45'	66.00'	715-4-14
119		663+07.00	0	255	45'	77.00'	715-4-14
120		667+56.83	0	255	45'	66.00'	715-4-14
121		666+06.83	0	255	45'	65.00'	715-4-14
122		670+56.75	0	255	45'	66.00'	715-4-14
123		669+06.83	0	255	45'	65.00'	715-4-14
124		673+18.25	0	255	45'	72.60'	715-4-14
125		672+06.83	0	255	45'	65.00'	715-4-14
126		676+56.82	0	255	45'	68.00'	715-4-14
127		675+06.82	0	255	45'	65.00'	715-4-14
128		679+56.70	0	255	45'	56.00'	715-4-14
129		678+06.82	0	255	45'	65.00'	715-4-14
130		682+55.96	0	255	45'	56.00'	715-4-14
131		681+05.97	0	255	45'	77.00'	715-4-14
132		685+53.35	0	255	45'	56.00'	715-4-14
133		684+04.45	0	255	45'	77.00'	715-4-14
134		688+51.20	0	255	45'	56.00'	715-4-14
135		687+00.96	0	255	45'	75.91'	715-4-14
136		691+62.19	0	255	45'	60.49'	715-4-14
137		689+99.30	0	255	45'	65.06'	715-4-14
138		694+55.01	0	255	45'	54.51'	715-4-14
139		693+01.35	0	255	45'	63.82'	715-4-14
140		697+53.73	0	255	45'	52.00'	715-4-14
141		696+03.30	0	255	45'	59.43'	715-4-14
142		700+53.80	0	255	45'	52.00'	715-4-14
143		699+03.80	0	255	45'	54.45'	715-4-14
144		703+37.01	0	255	45'	57.16'	715-4-14
145		702+03.84	0	255	45'	54.00'	715-4-14
146		706+53.84	0	255	45'	59.00'	715-4-14
147		705+03.84	0	255	45'	54.00'	715-4-14
148		709+53.72	0	255	45'	52.00'	715-4-14
149		708+03.84	0	255	45'	54.00'	715-4-14
150		712+53.69	0	255	45'	52.00'	715-4-14

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK	PAY ITEM
151		711+03.70	0	255	45'	66.00'	715-4-14
152		715+53.14	0	255	45'	52.00'	715-4-14
153		714+00.61	0	255	45'	66.00'	715-4-14
154		718+53.06	0	255	45'	52.00'	715-4-14
155		717+03.06	0	255	45'	54.00'	715-4-14
156		721+53.58	0	255	45'	52.00'	715-4-14
157		720+03.58	0	255	45'	54.00'	715-4-14
158		724+53.58	0	255	45'	52.00'	715-4-14
159		723+03.58	0	255	45'	54.00'	715-4-14
160		727+53.58	0	255	45'	52.00'	715-4-14
161		726+03.58	0	255	45'	54.00'	715-4-14
162		730+53.58	0	255	45'	52.00'	715-4-14
163		729+03.58	0	255	45'	54.00'	715-4-14
164		733+53.07	0	255	45'	58.00'	715-4-14
165		732+03.16	0	255	45'	55.13'	715-4-14
166		736+54.13	0	255	45'	58.00'	715-4-14
167		735+02.51	0	255	45'	65.00'	715-4-14
168		739+54.15	0	255	45'	58.00'	715-4-14
169		738+02.51	0	255	45'	65.00'	715-4-14
170		742+52.51	0	255	45'	70.00'	715-4-14
171		741+02.51	0	255	45'	65.00'	715-4-14
172		745+83.72	0	255	45'	61.00'	715-4-14
173		744+02.51	0	255	45'	65.00'	715-4-14
174		748+54.69	0	255	45'	61.00'	715-4-14
175		747+02.51	0	255	45'	65.00'	715-4-14
176		751+63.13	0	255	45'	61.00'	715-4-14
177		750+09.01	0	255	45'	65.00'	715-4-14
178		754+72.00	0	255	45'	61.00'	715-4-14
179		753+17.88	0	255	45'	65.00'	715-4-14
180		757+80.66	0	255	45'	58.00'	715-4-14
181		756+26.63	0	255	45'	65.00'	715-4-14
182		760+82.54	0	255	45'	63.00'	715-4-14
183		759+32.54	0	255	45'	77.00'	715-4-14
184		763+82.16	0	255	45'	63.00'	715-4-14
185		762+32.28	0	255	45'	77.00'	715-4-14
186		766+82.28	0	255	45'	63.00'	715-4-14
187		765+32.28	0	255	45'	65.00'	715-4-14
188		769+82.27	0	255	45'	63.00'	715-4-14
189		768+32.27	0	255	45'	65.00'	715-4-14
190		772+82.27	0	255	45'	63.00'	715-4-14
191		771+32.27	0	255	45'	65.00'	715-4-14
192		775+83.49	0	255	45'	63.00'	715-4-14
193		774+33.49	0	255	45'	65.00'	715-4-14
194		778+83.41	0	255	45'	63.00'	715-4-14
195		777+33.49	0	255	45'	65.00'	715-4-14
196		781+68.72	0	255	45'	61.14'	715-4-14
197		780+33.49	0	255	45'	77.00'	715-4-14
198		784+53.95	0	255	45'	70.00'	715-4-14
199		783+03.95	0	255	45'	77.00'	715-4-14
200		787+53.95	0	255	45'	65.00'	715-4-14
201		786+03.95	0	255	45'	65.00'	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

**LEE COUNTY PUBLIC WORKS**  
**DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

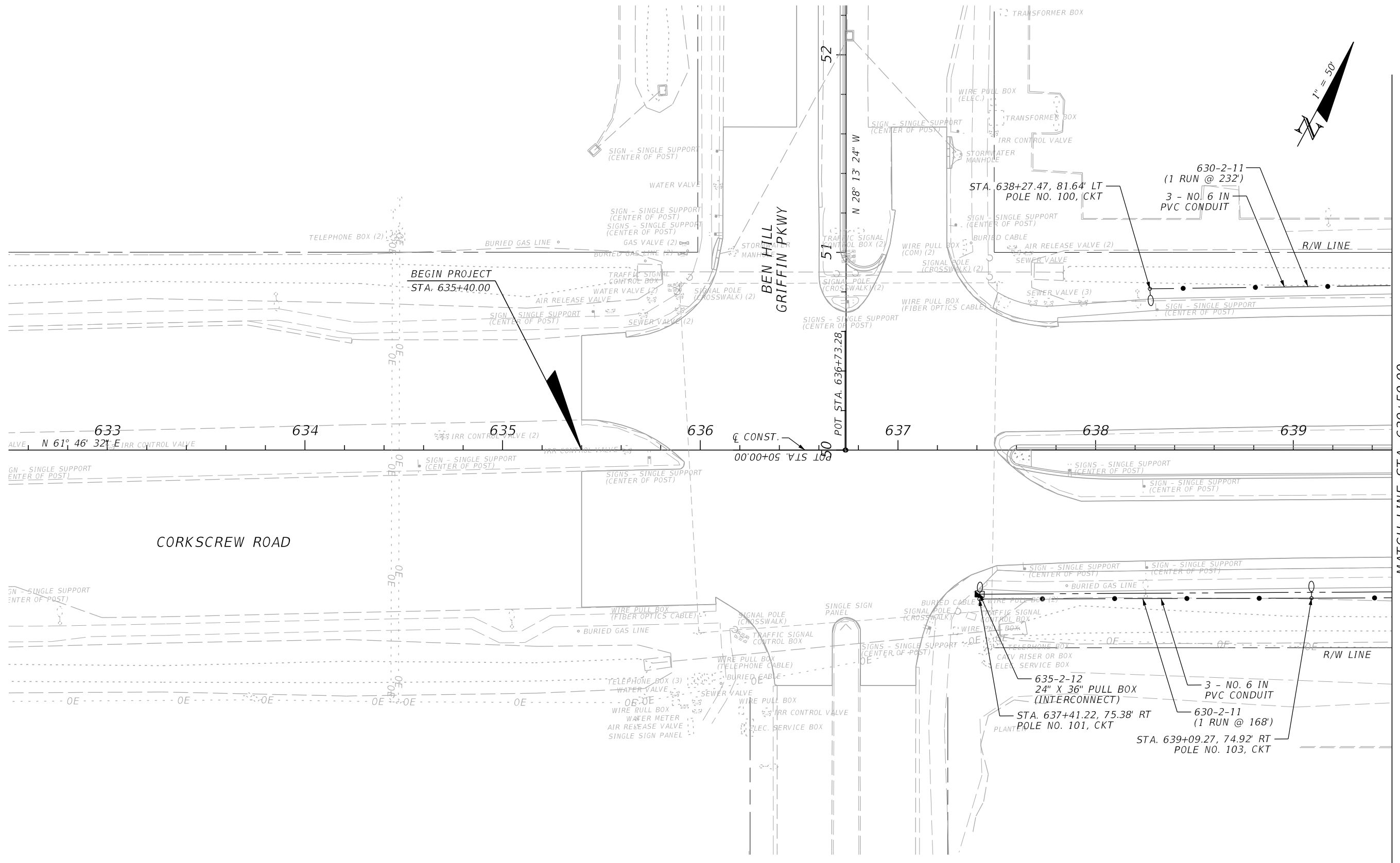
**POLE DATA**

SHEET NO.  
**L-9**

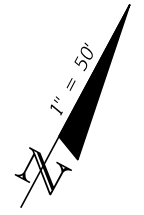
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MATCH LINE STA. 639+50.00



REVISIONS			
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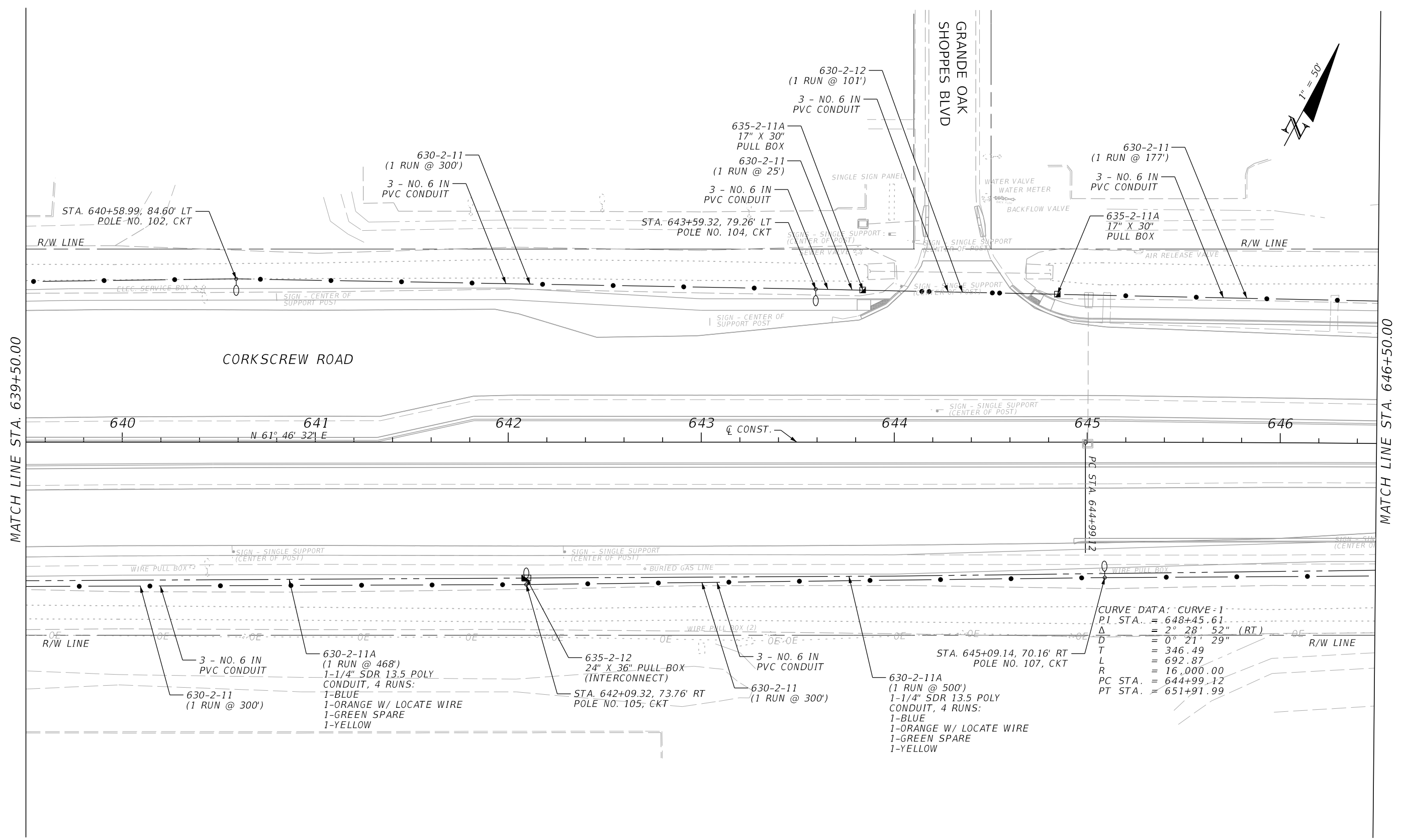
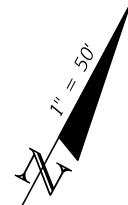
**JOHNSON ENGINEERING**  
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 JOHNSON ENGINEERING, INC.  
 2122 JOHNSON STREET • FORT MYERS, FL 33902  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 635+40.00 TO STA. 639+50.00**

SHEET NO.
L-12

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MATCH LINE STA. 639+50.00

MATCH LINE STA. 646+50.00

CURVE DATA: CURVE-1  
 P.I. STA. = 648+45.61  
 $\Delta$  = 2° 28' 52" (RT)  
 D = 0° 21' 29"  
 T = 346.49  
 L = 692.87  
 R = 16,000.00  
 PC STA. = 644+99.12  
 PT STA. = 651+91.99

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

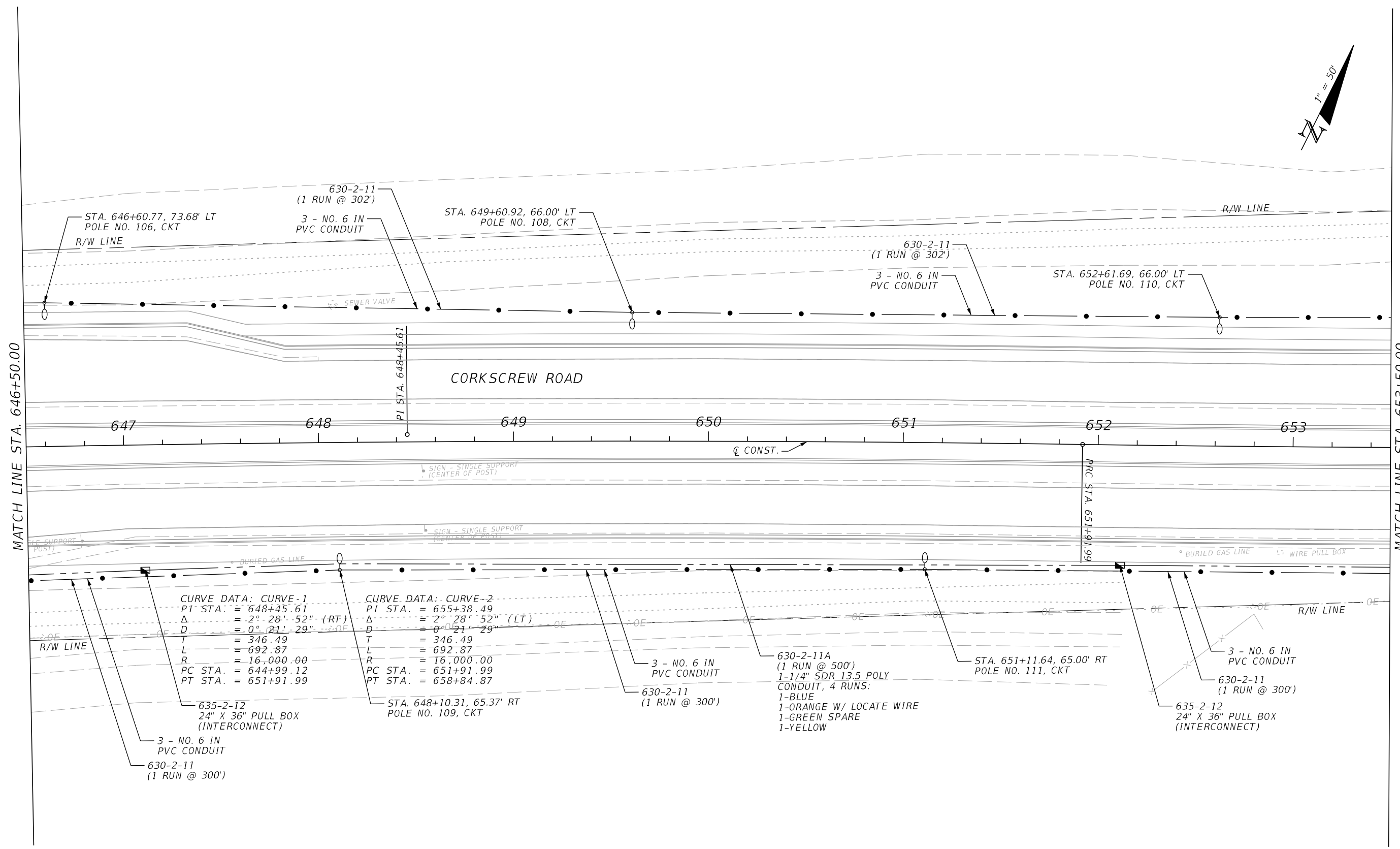
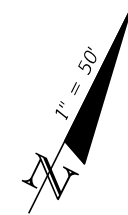
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 2122 JOHNSON STREET • FORT MYERS, FL 33902  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 639+50.00 TO STA. 646+50.00**

SHEET NO.  
L-13

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**CURVE DATA: CURVE-1**  
 PI STA. = 648+45.61  
 $\Delta$  = 2° 28' 52" (RT)  
 D = 0° 21' 29"  
 T = 346.49  
 L = 692.87  
 R = 16,000.00  
 PC STA. = 644+99.12  
 PT STA. = 651+91.99

**CURVE DATA: CURVE-2**  
 PI STA. = 655+38.49  
 $\Delta$  = 2° 28' 52" (LT)  
 D = 0° 21' 29"  
 T = 346.49  
 L = 692.87  
 R = 16,000.00  
 PC STA. = 651+91.99  
 PT STA. = 658+84.87

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

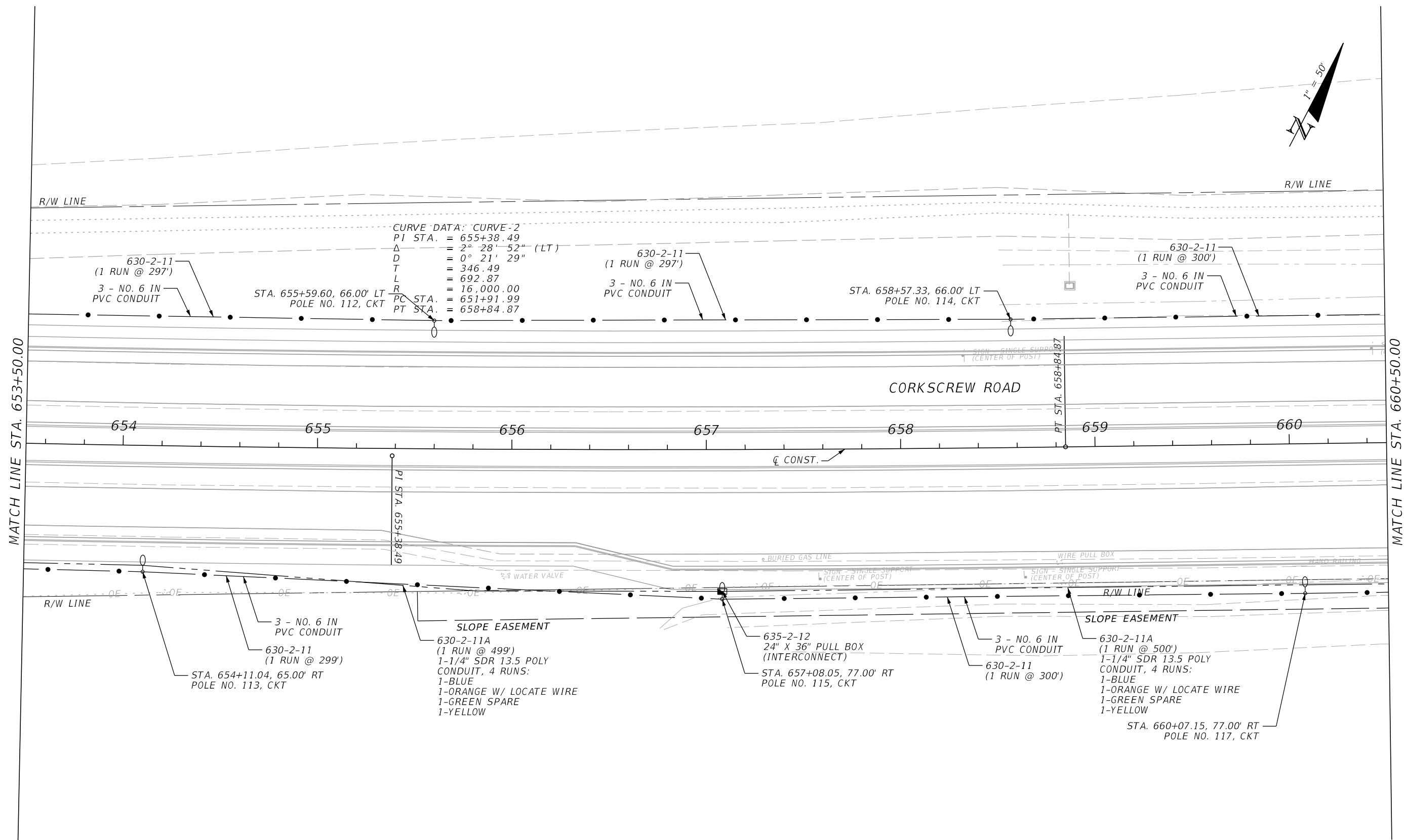
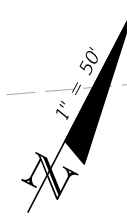
**JOHNSON ENGINEERING**  
 LEAH M. HOLMES • P.E. LICENSE NO. 85359  
 JOHNSON ENGINEERING, INC.  
 2122 JOHNSON STREET • FORT MYERS, FL 33902  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 646+50.00 TO STA. 653+50.00**

SHEET NO.
L-14

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MATCH LINE STA. 653+50.00

MATCH LINE STA. 660+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

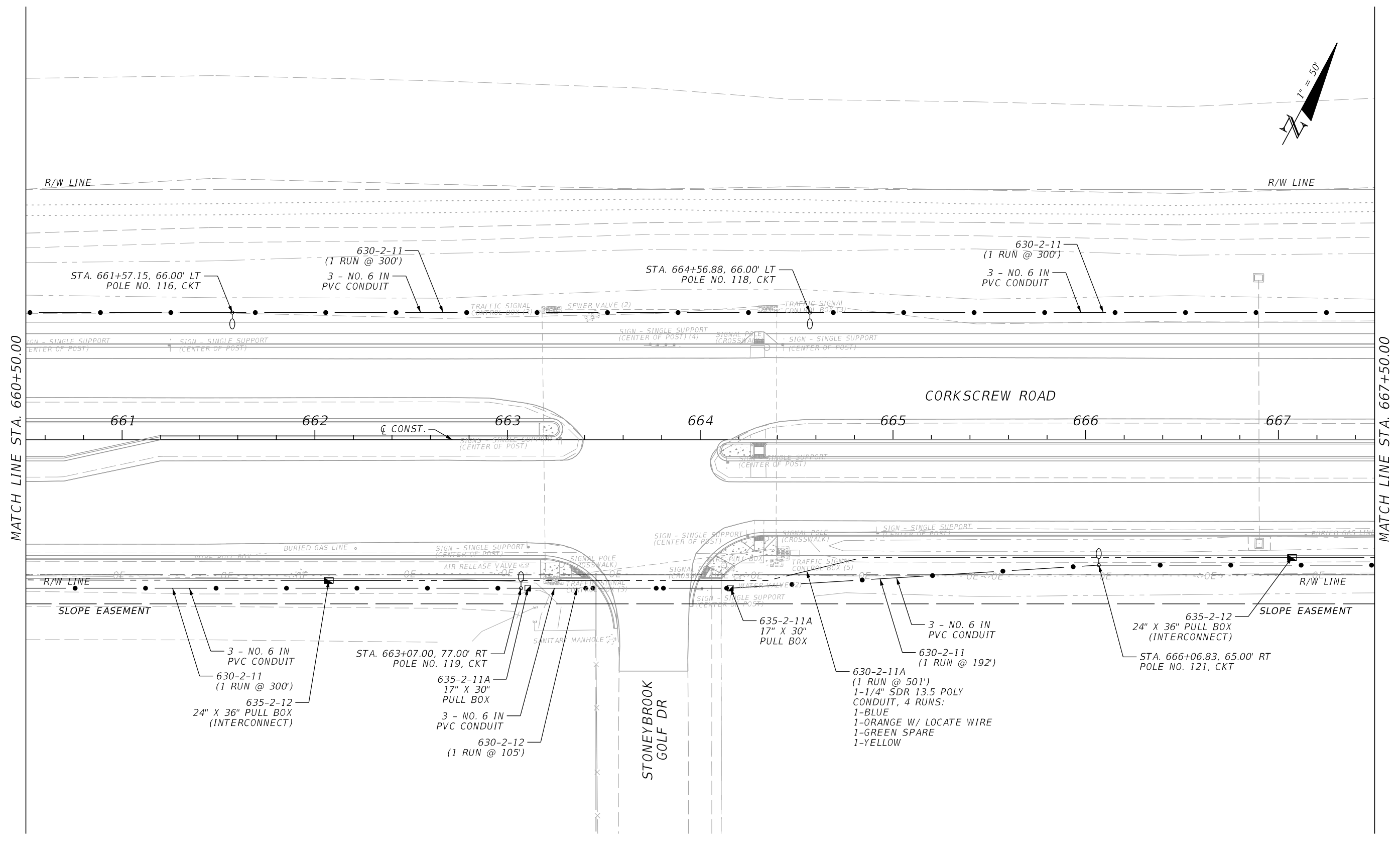
**JOHNSON ENGINEERING**  
LEAH M. HOLMES • P.E. LICENSE NO. 85359  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 653+50.00 TO STA. 660+50.00**

SHEET NO.  
**L-15**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

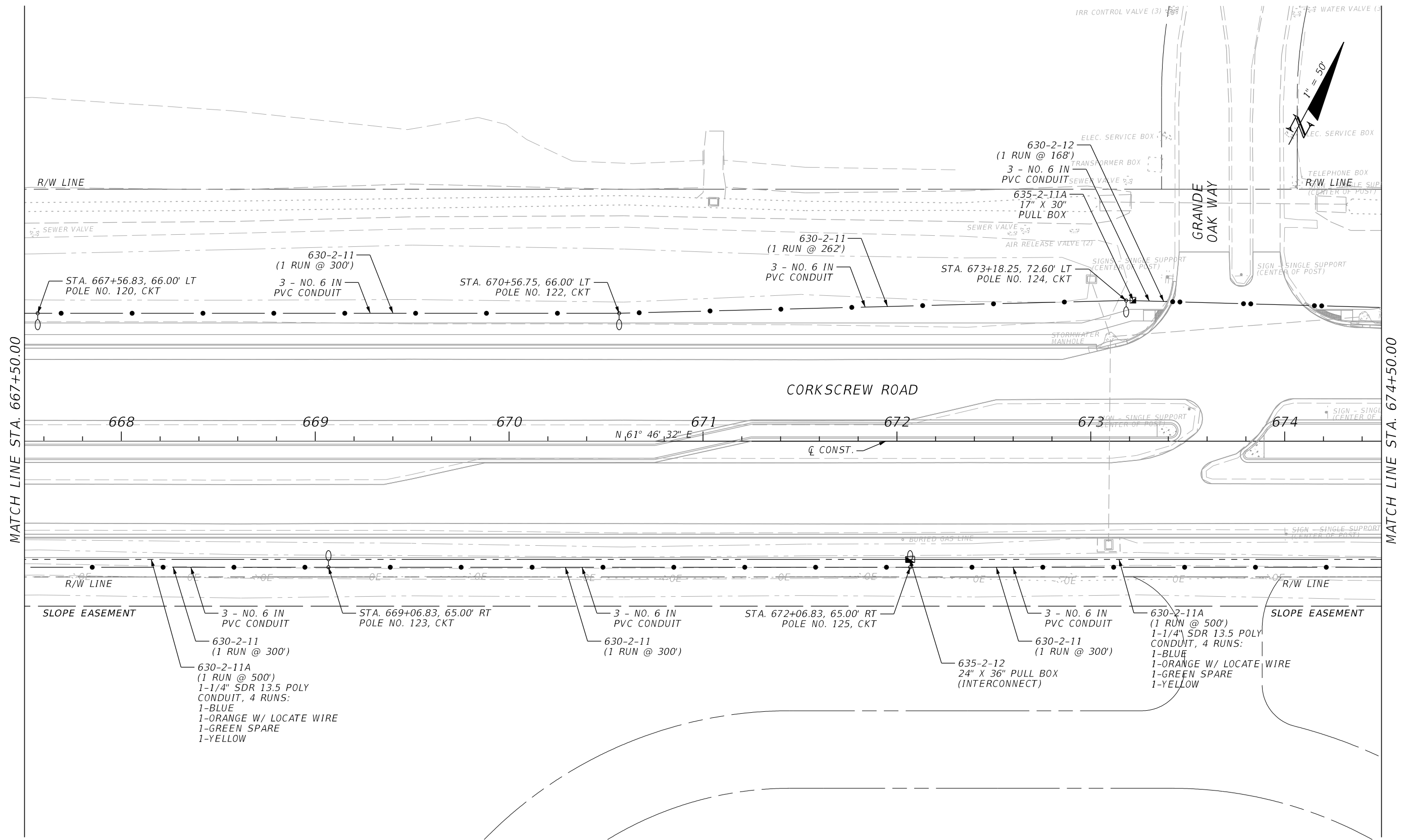
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 2122 JOHNSON STREET • FORT MYERS, FL 33902  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 660+50.00 TO STA. 667+50.00**

SHEET NO.  
**L-16**





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

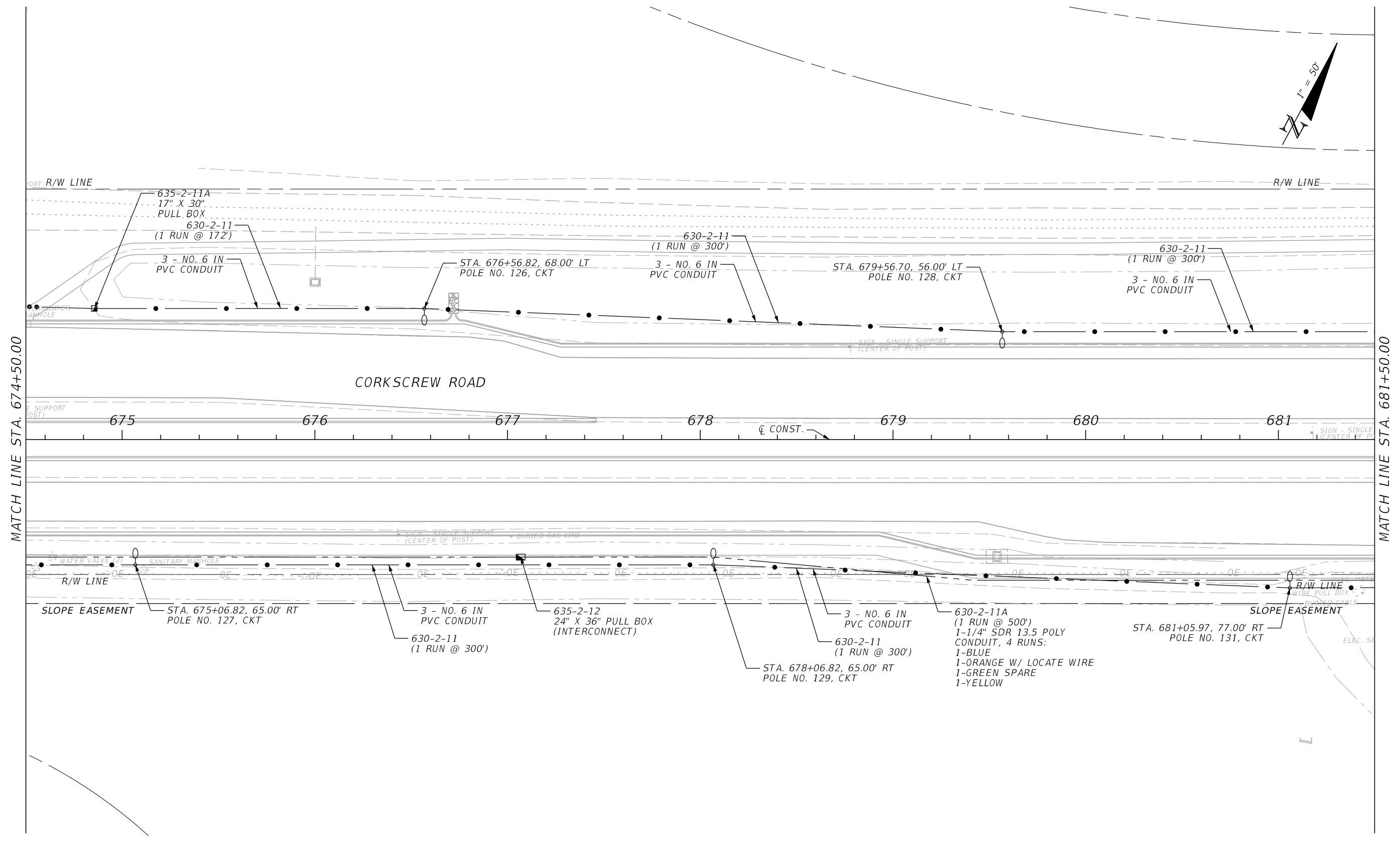
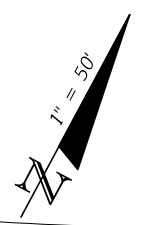
**JOHNSON ENGINEERING**  
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 JOHNSON ENGINEERING, INC.  
 2122 JOHNSON STREET • FORT MYERS, FL 33902  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 667+50.00 TO STA. 674+50.00**

SHEET NO.  
 L-17

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MATCH LINE STA. 674+50.00

MATCH LINE STA. 681+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

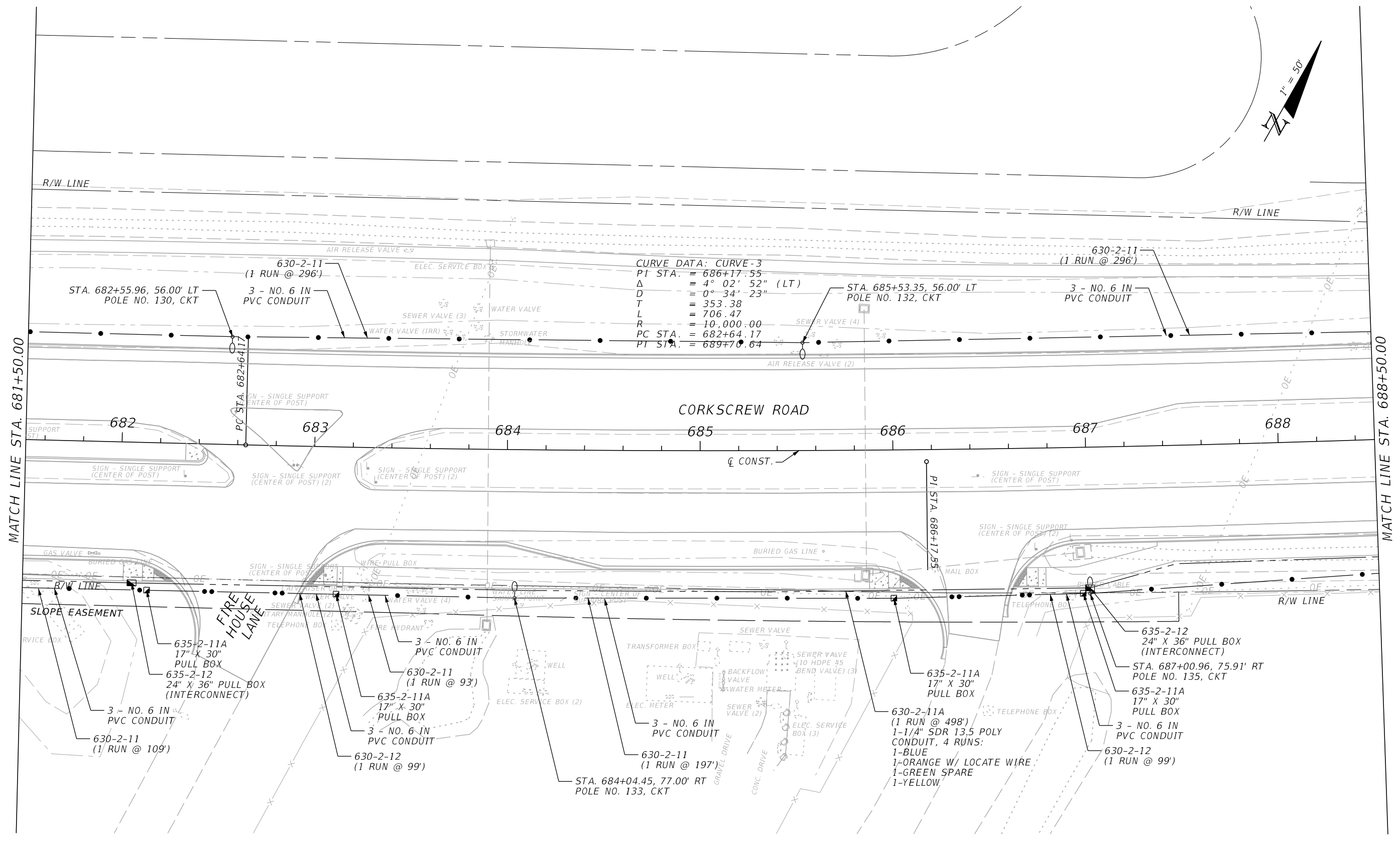
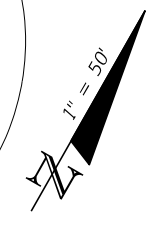
**JOHNSON ENGINEERING**  
 LEAH M. HOLMES • P.E. LICENSE NO. 85359  
 JOHNSON ENGINEERING, INC.  
 2122 JOHNSON STREET • FORT MYERS, FL 33902  
 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 674+50.00 TO STA. 681+50.00**

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.



**CURVE DATA: CURVE-3**  
 PT STA. = 686+17.55  
 $\Delta$  = 4° 02' 52" (LT)  
 $D$  = 0° 34' 23"  
 $T$  = 353.38  
 $L$  = 706.47  
 $R$  = 10,000.00  
 PC STA. = 682+64.17  
 PT STA. = 689+70.64

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

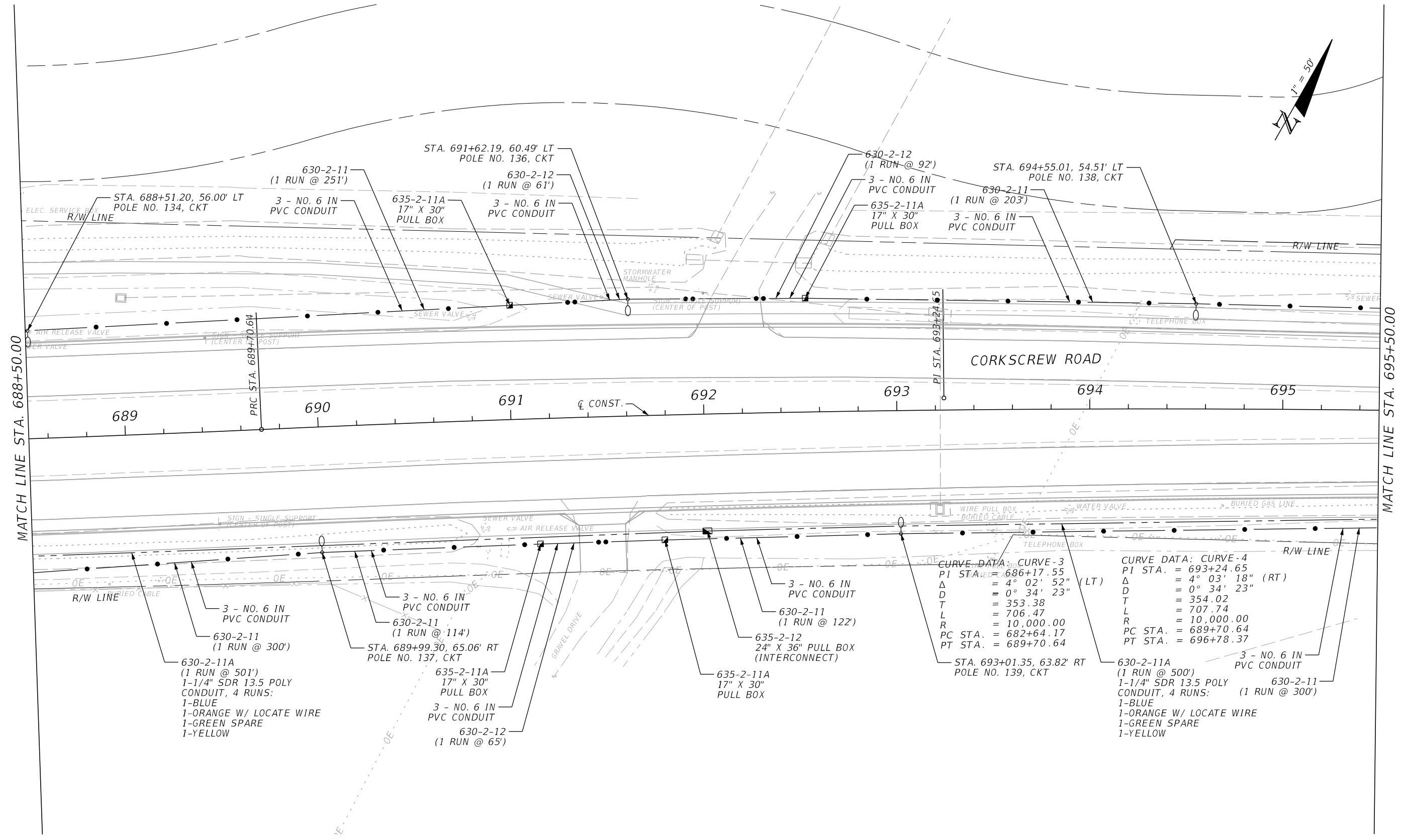
**JOHNSON ENGINEERING**  
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 681+50.00 TO STA. 688+50.00**

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.



**CURVE DATA: CURVE-3**

PI STA.	= 686+17.55
$\Delta$	= 4° 02' 52" (LT)
D	= 0° 34' 23"
T	= 353.38
L	= 706.47
R	= 10,000.00
PC STA.	= 682+64.17
PT STA.	= 689+70.64

**CURVE DATA: CURVE-4**

PI STA.	= 693+24.65
$\Delta$	= 4° 03' 18" (RT)
D	= 0° 34' 23"
T	= 354.02
L	= 707.74
R	= 10,000.00
PC STA.	= 689+70.64
PT STA.	= 696+78.37

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**

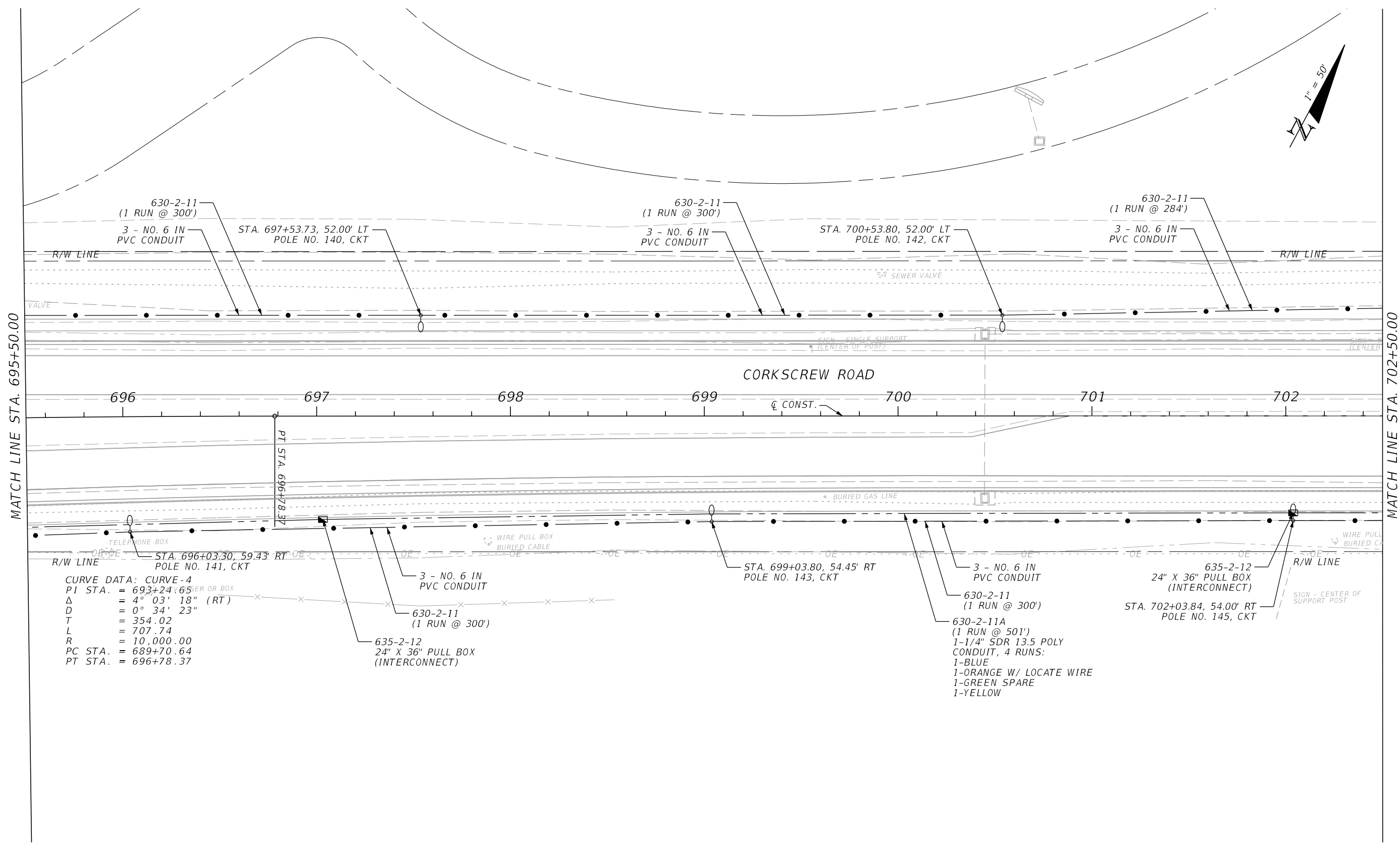
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 688+50.00 TO STA. 695+50.00**

SHEET NO.  
L-20

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

CURVE DATA: CURVE-4  
 PI STA. = 693+24.65  
 $\Delta$  = 4° 03' 18" (RT)  
 $D$  = 0° 34' 23"  
 $T$  = 354.02  
 $L$  = 707.74  
 $R$  = 10,000.00  
 PC STA. = 689+70.64  
 PT STA. = 696+78.37

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**

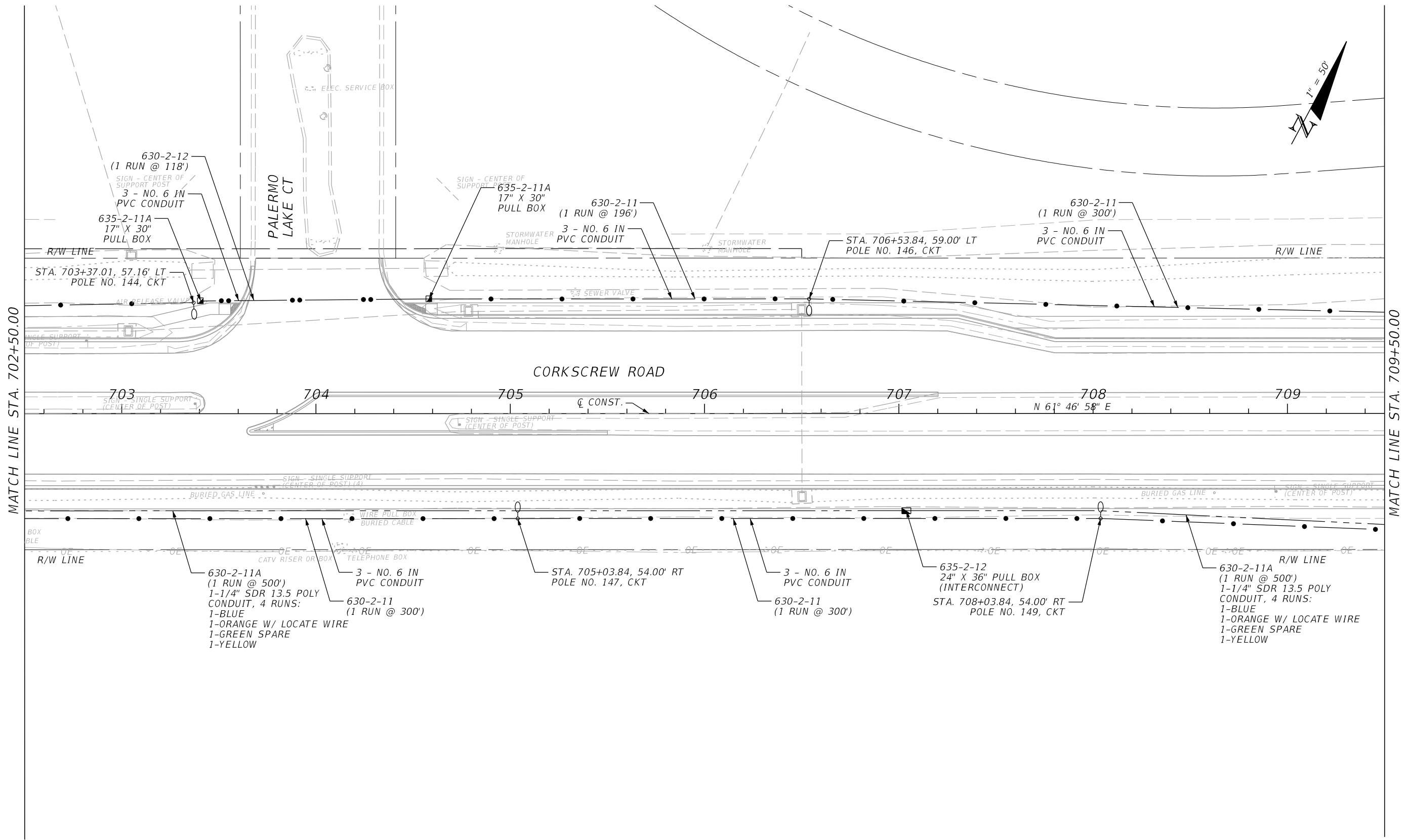
LEAH M. HOLMES • P.E. LICENSE NO. 85359  
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 2122 JOHNSON STREET • FORT MYERS, FL 33902  
 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 695+50.00 TO STA. 702+50.00**

SHEET NO.
L-21

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. 702+50.00

MATCH LINE STA. 709+50.00

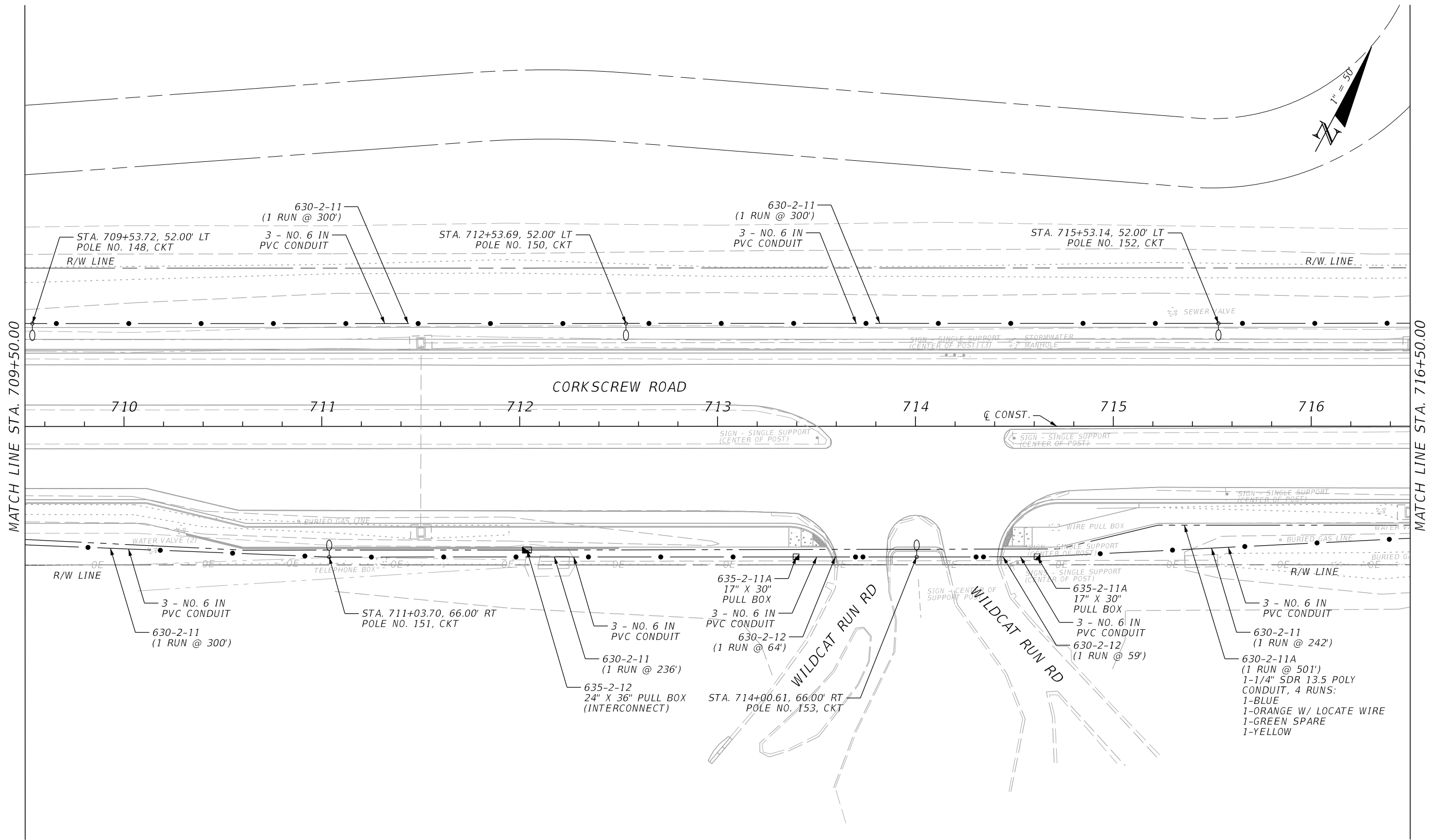
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 702+50.00 TO STA. 709+50.00**

SHEET NO.
L-22



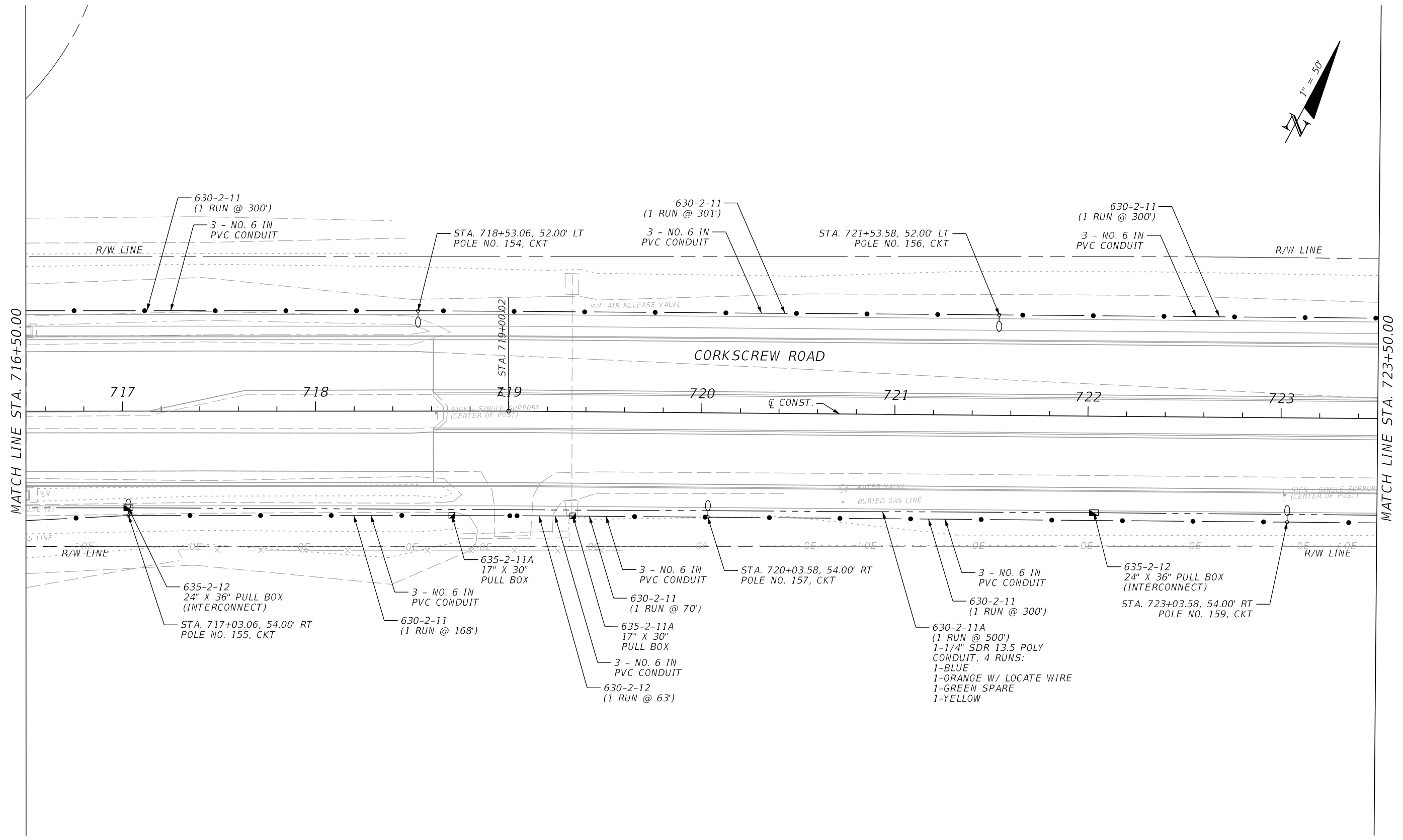
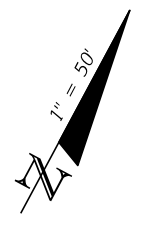
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 709+50.00 TO STA. 716+50.00**

SHEET NO.  
 L-23



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

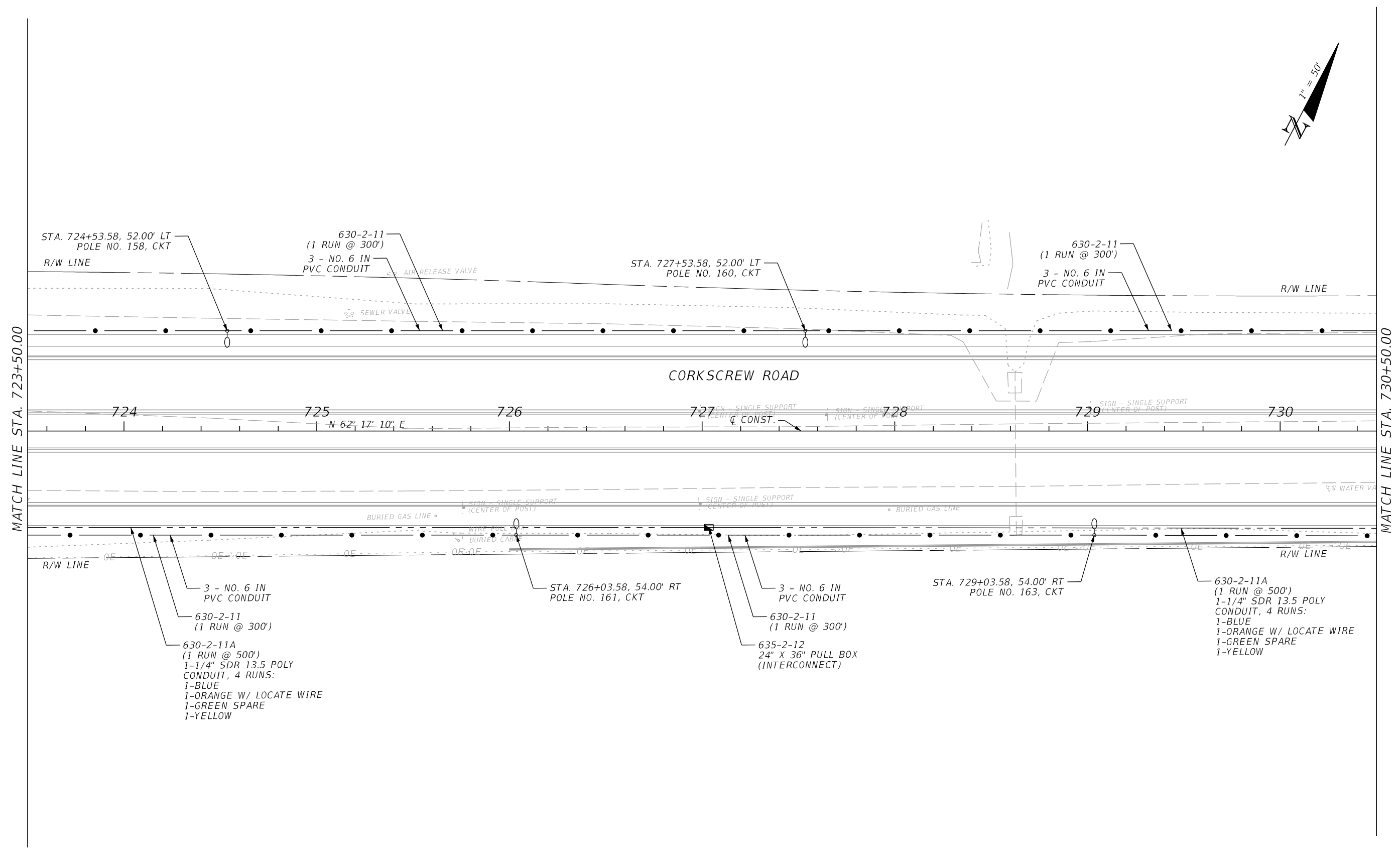
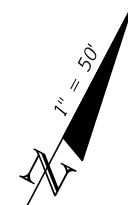
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 716+50.00 TO STA. 723+50.00**

SHEET NO.  
**L-24**





MATCH LINE STA. 723+50.00

MATCH LINE STA. 730+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

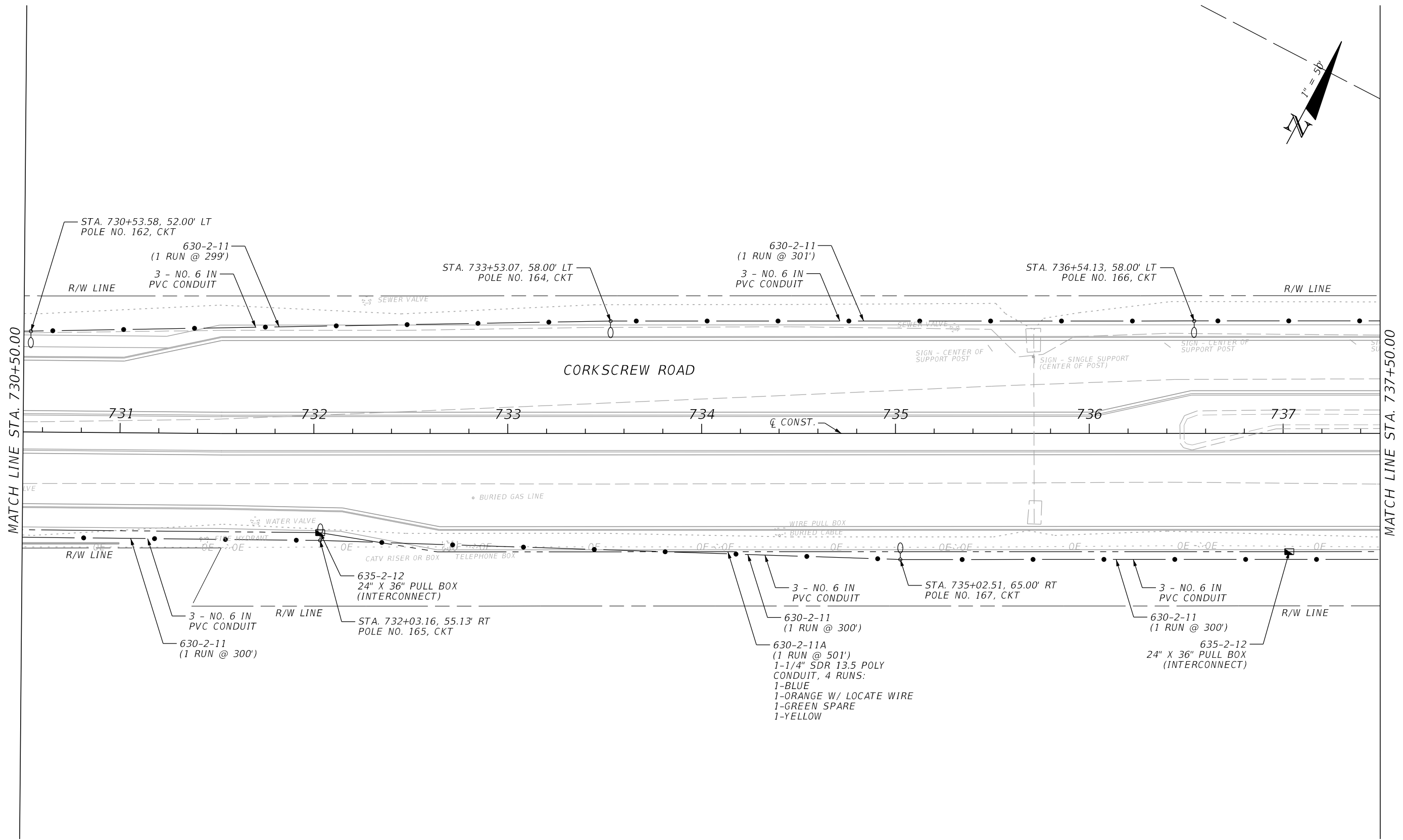
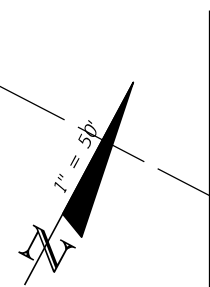
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 723+50.00 TO STA. 730+50.00**

SHEET NO.  
L-25

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

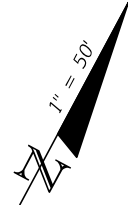
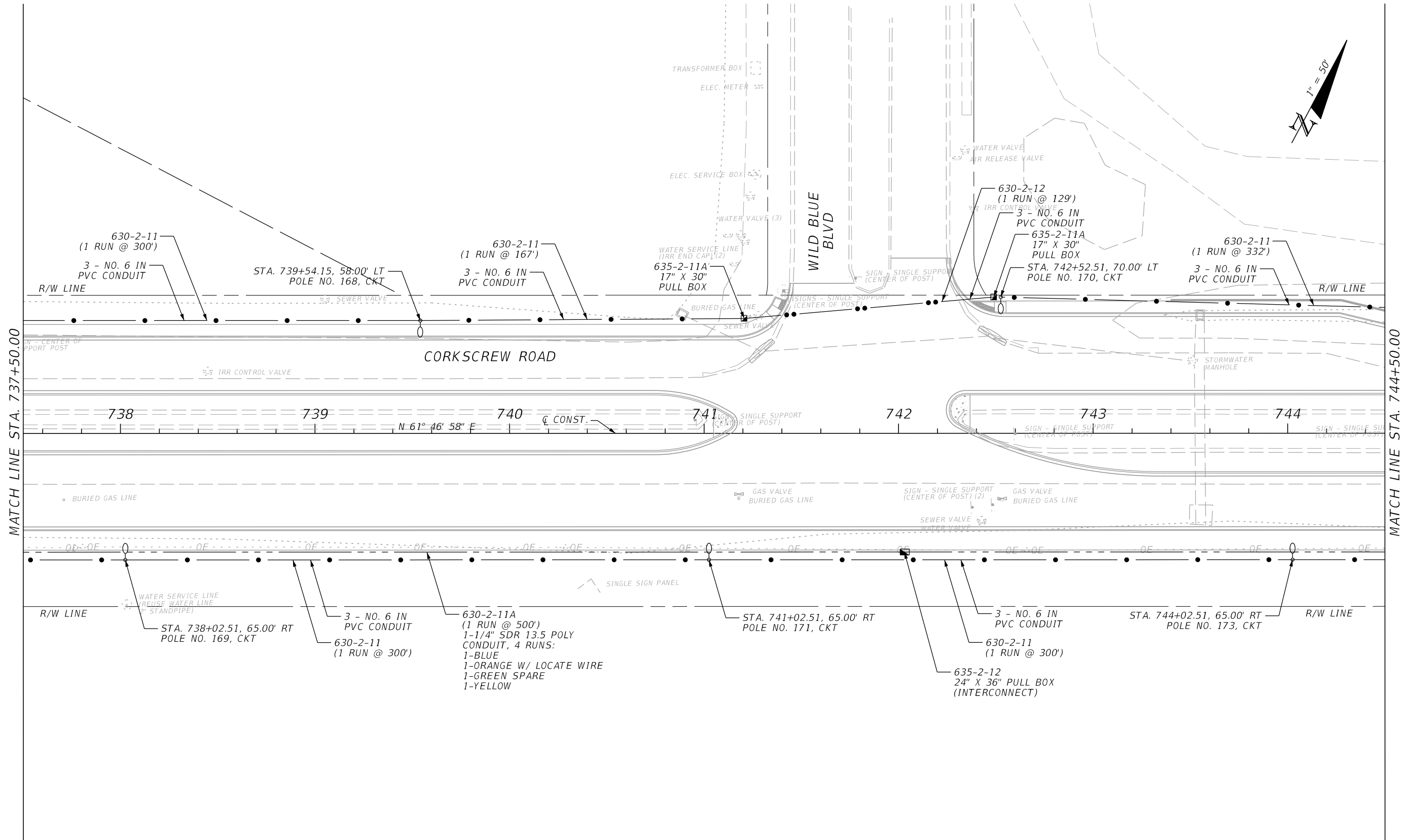
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 730+50.00 TO STA. 737+50.00**

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. 737+50.00

MATCH LINE STA. 744+50.00

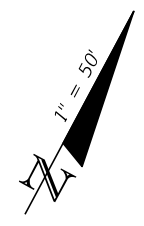
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 CERTIFICATE OF AUTHORIZATION NO. 642

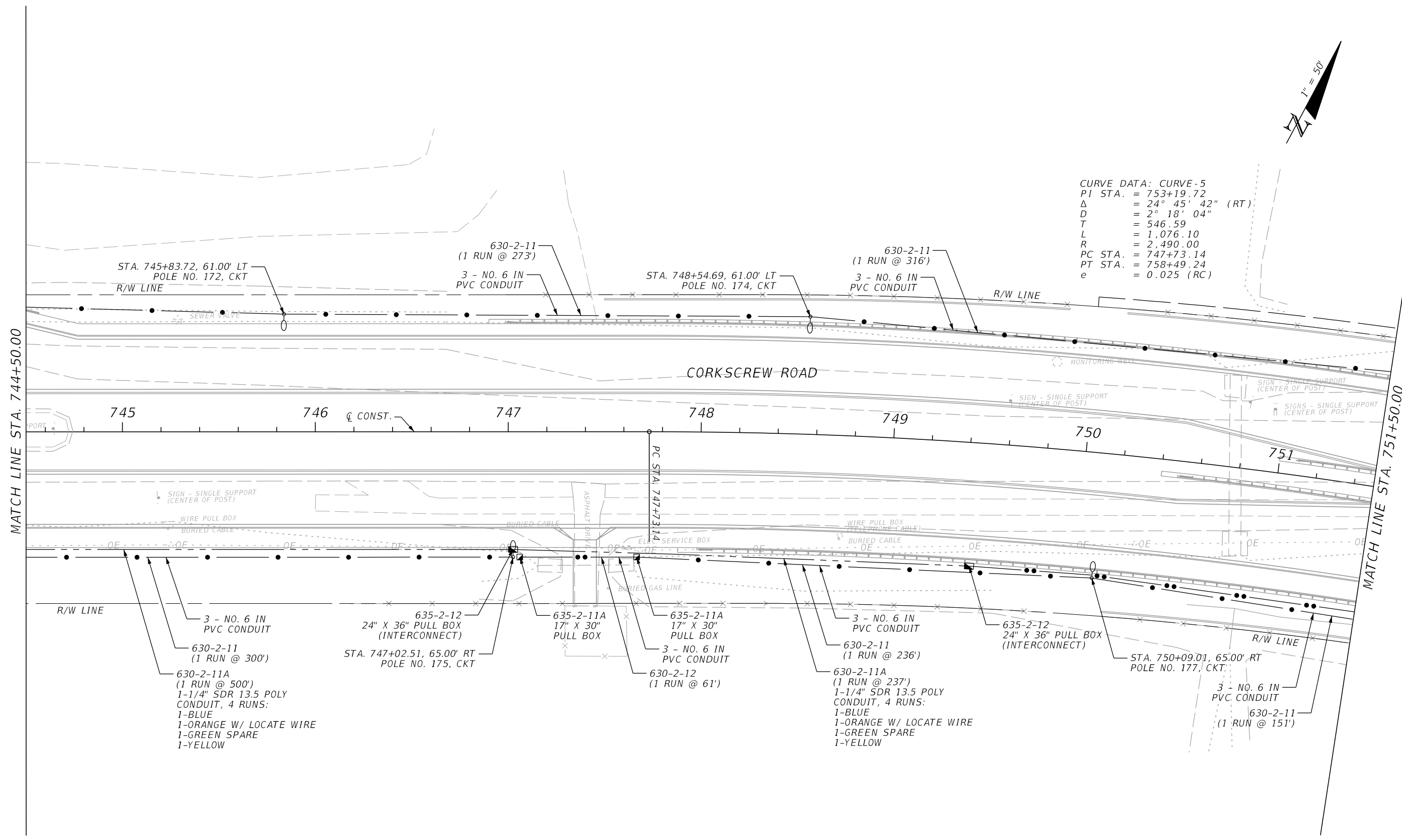
LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 737+50.00 TO STA. 744+50.00**

SHEET NO.	L-27
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CURVE DATA: CURVE-5  
 PI STA. = 753+19.72  
 $\Delta$  = 24° 45' 42" (RT)  
 D = 2° 18' 04"  
 T = 546.59  
 L = 1,076.10  
 R = 2,490.00  
 PC STA. = 747+73.14  
 PT STA. = 758+49.24  
 e = 0.025 (RC)



MATCH LINE STA. 744+50.00

MATCH LINE STA. 751+50.00

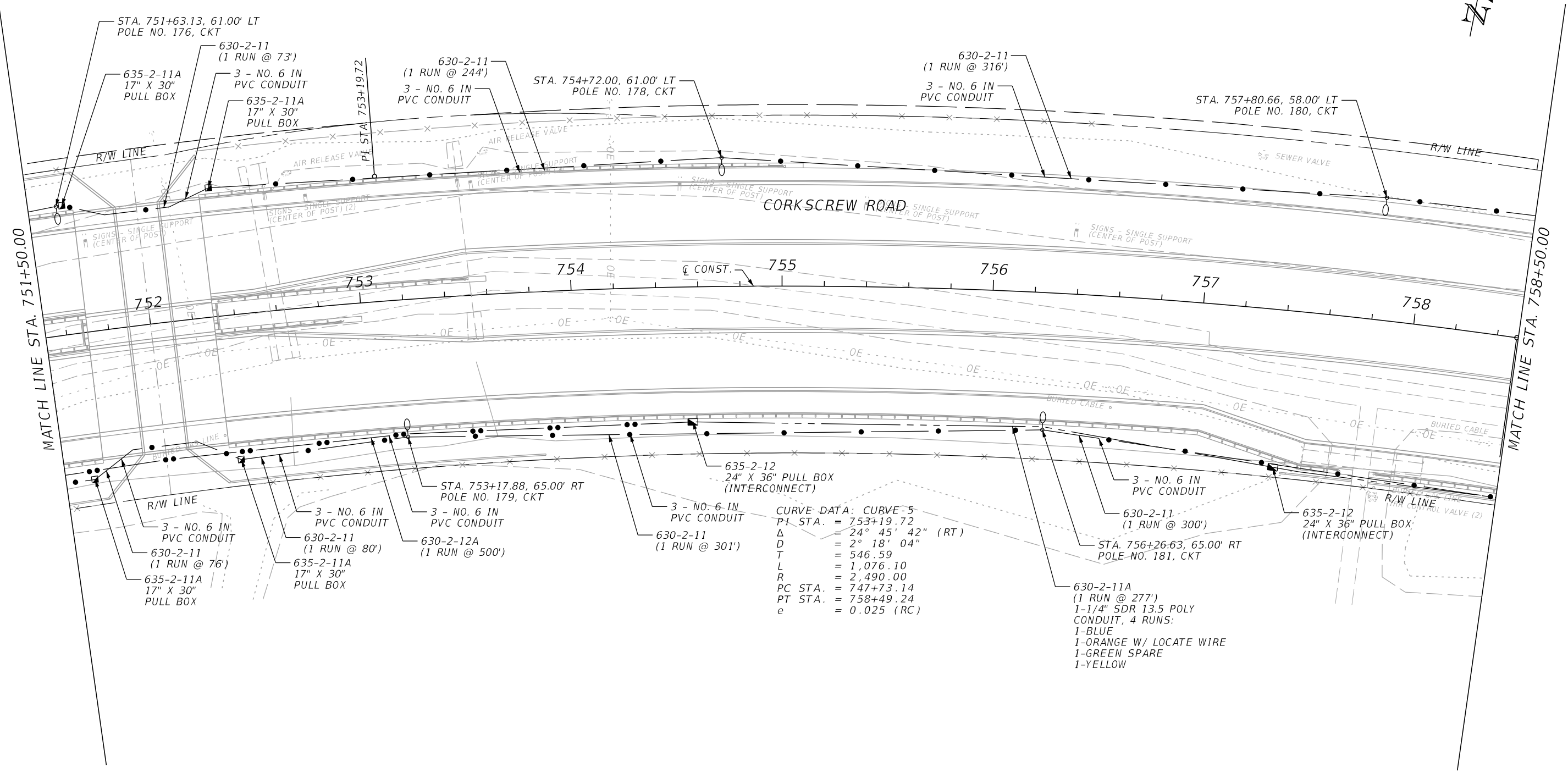
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**  
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 JOHNSON ENGINEERING, INC.  
 2122 JOHNSON STREET • FORT MYERS, FL 33902  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 744+50.00 TO STA. 751+50.00**

SHEET NO.  
**L-28**



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

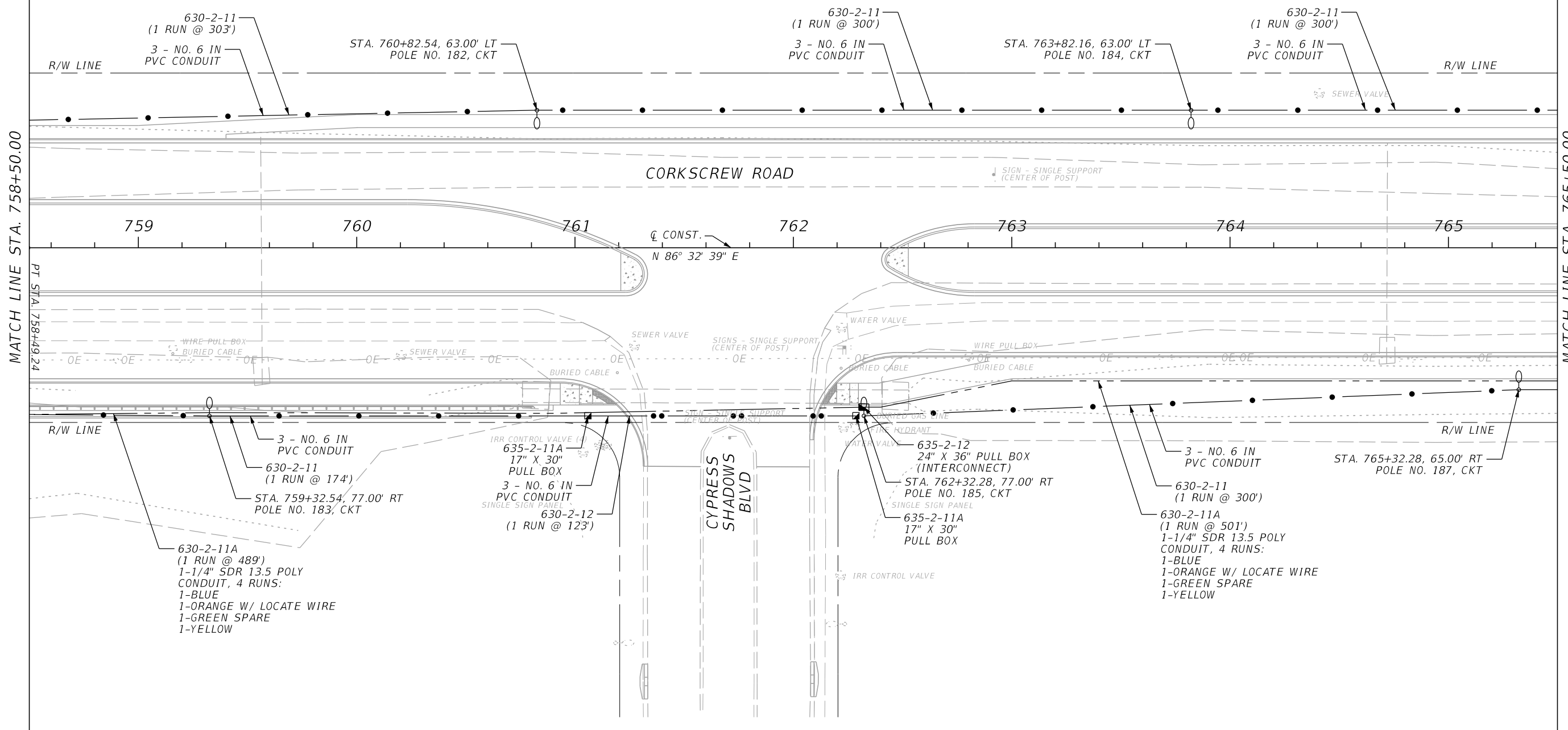
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 751+50.00 TO STA. 758+50.00**

SHEET NO.  
L-29

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

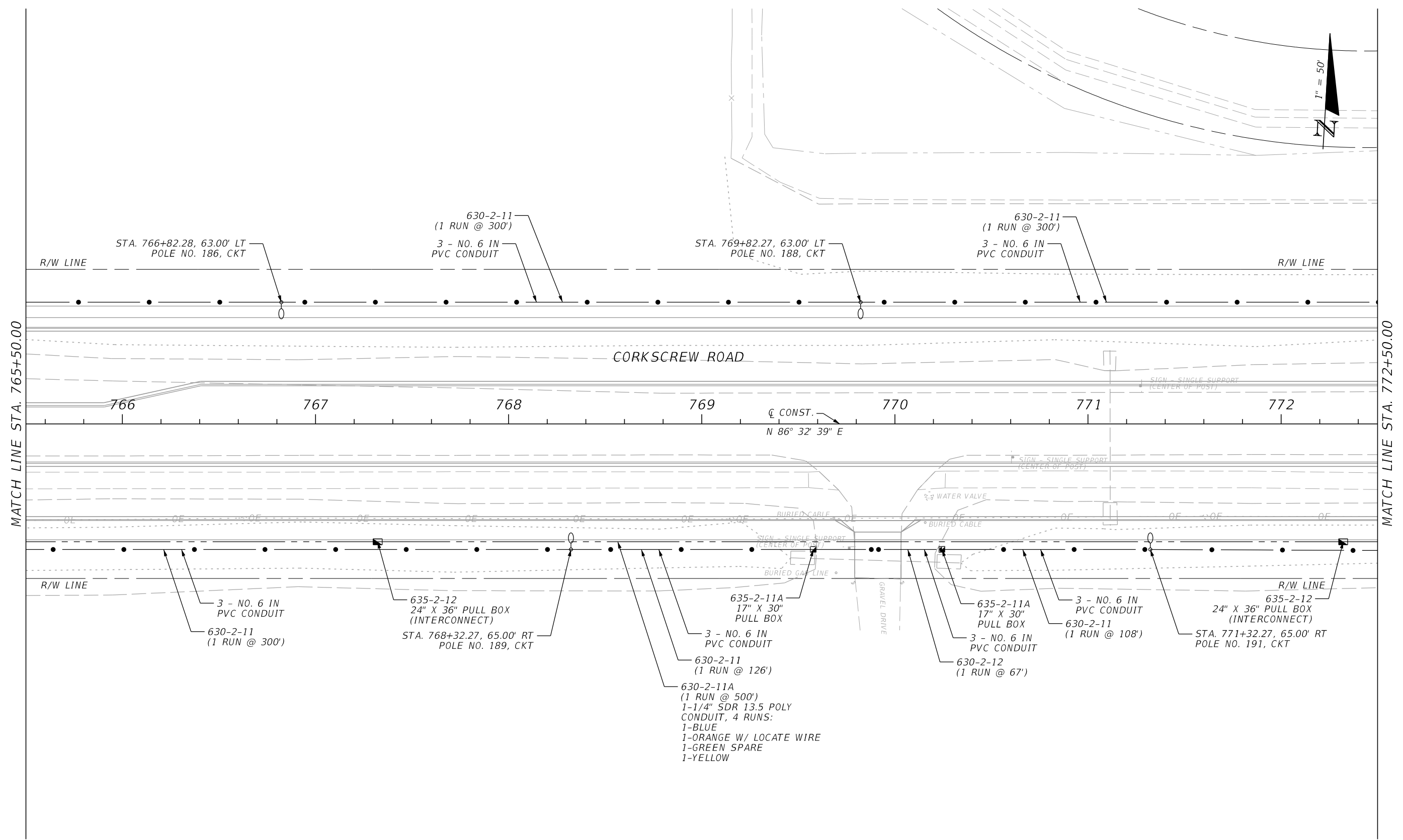
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 758+50.00 TO STA. 765+50.00**

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

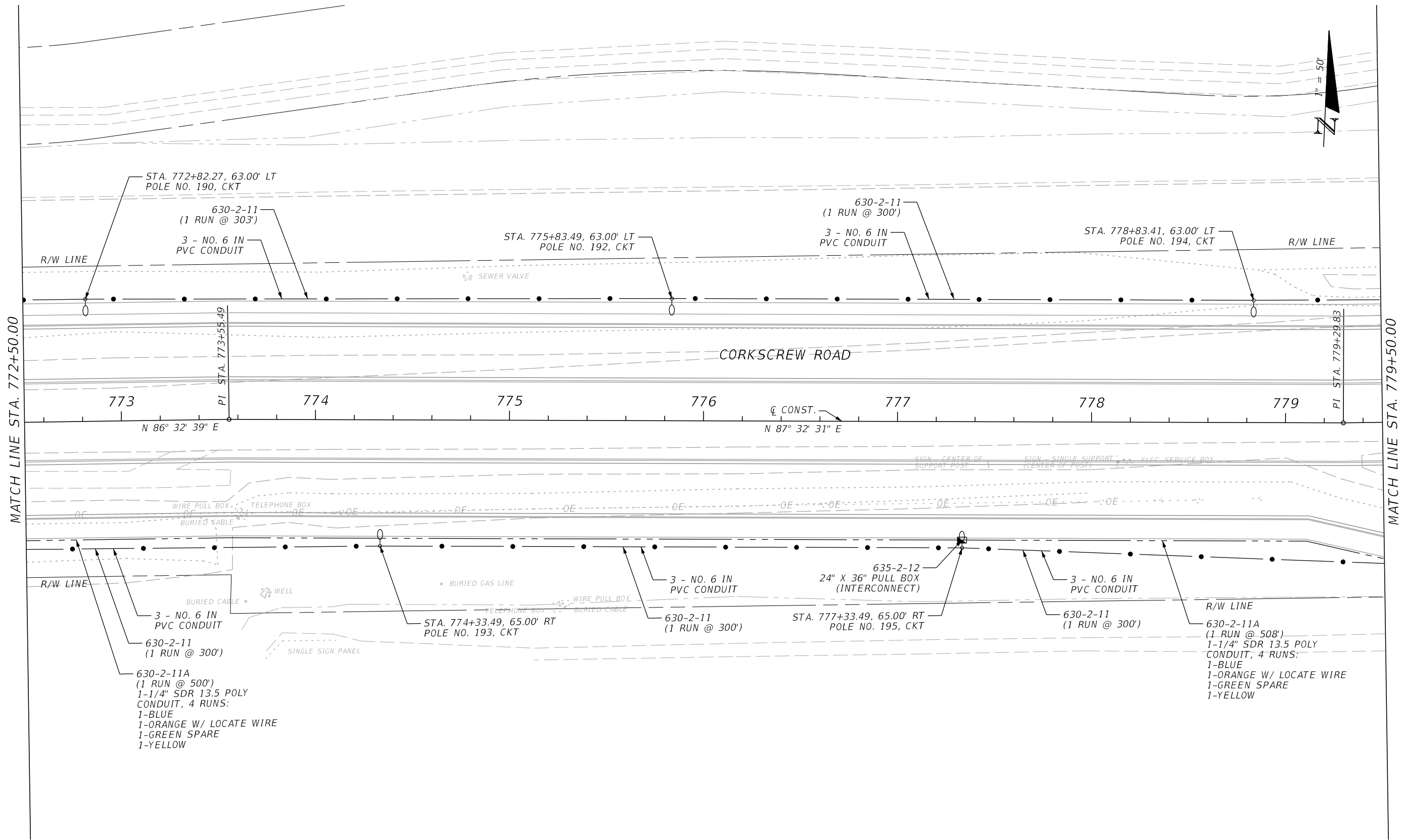
**JOHNSON ENGINEERING**  
 LEAH M. HOLMES • P.E. LICENSE NO. 85359  
 JOHNSON ENGINEERING, INC.  
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 765+50.00 TO STA. 772+50.00**

SHEET NO.  
L-31

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. 772+50.00

MATCH LINE STA. 779+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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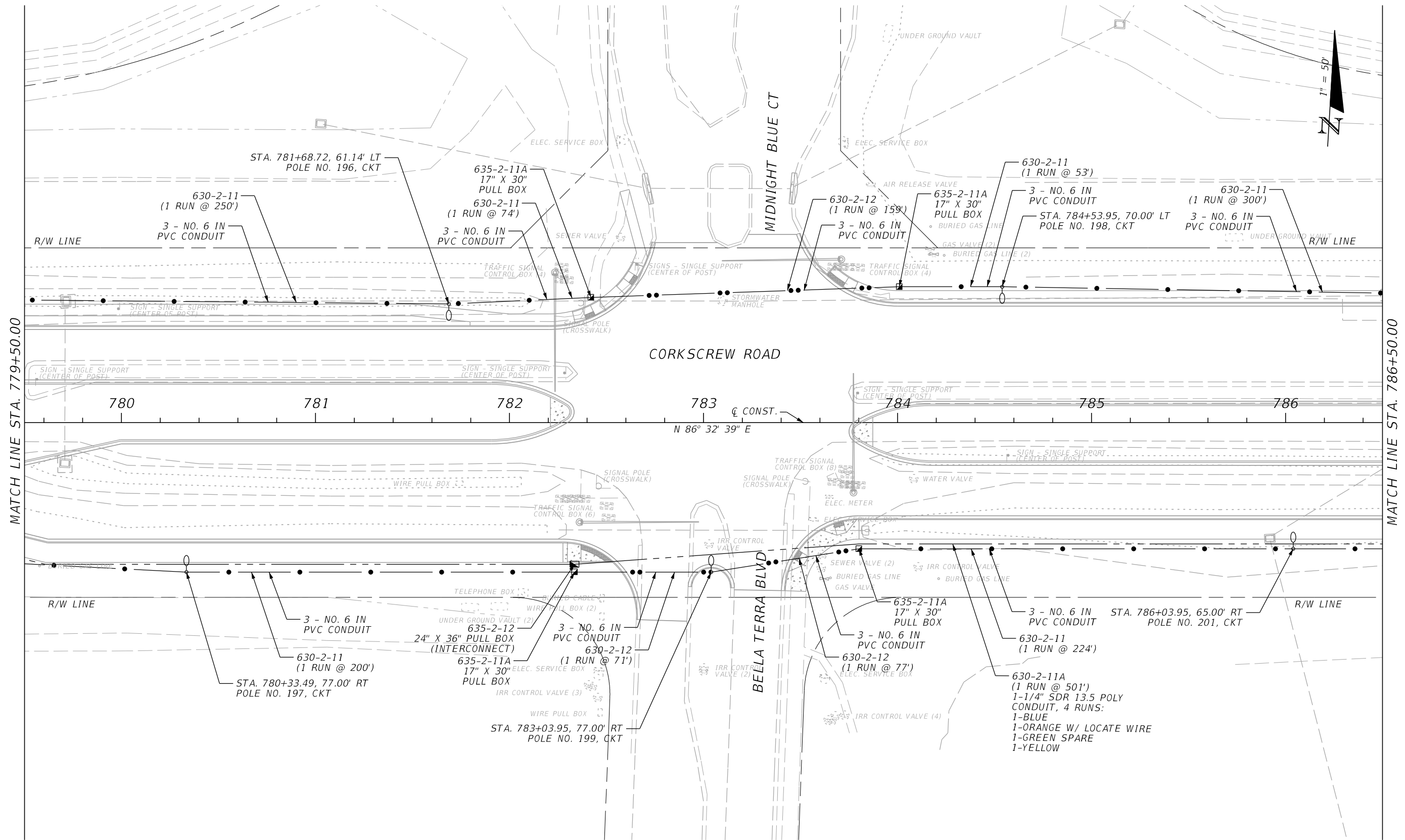
LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 772+50.00 TO STA. 779+50.00**

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. 779+50.00

MATCH LINE STA. 786+50.00

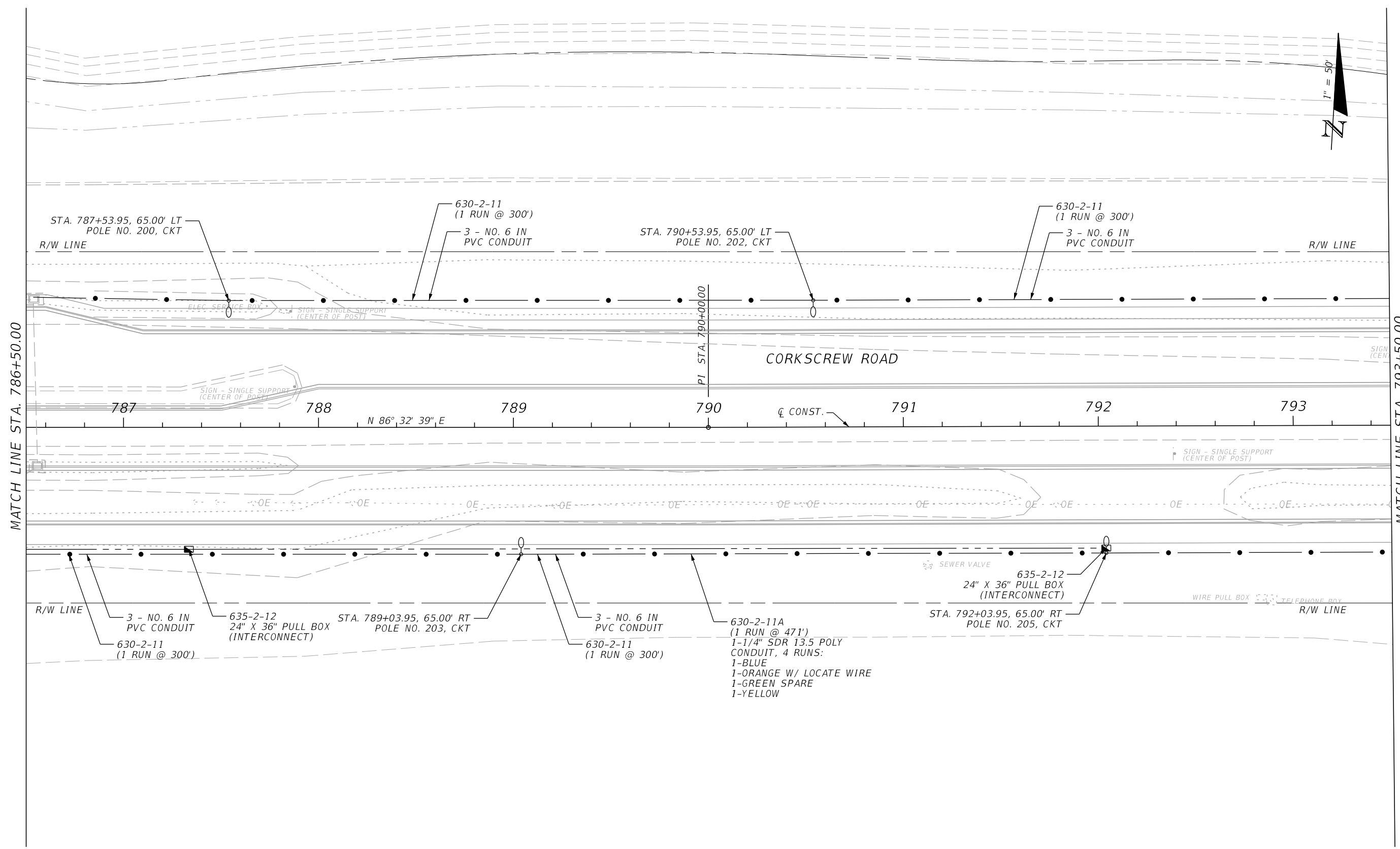
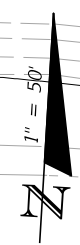
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**  
 LEAH M. HOLMES • P.E. LICENSE NO. 85359  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 779+50.00 TO STA. 786+50.00**

SHEET NO.
L-33



MATCH LINE STA. 786+50.00

MATCH LINE STA. 793+50.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

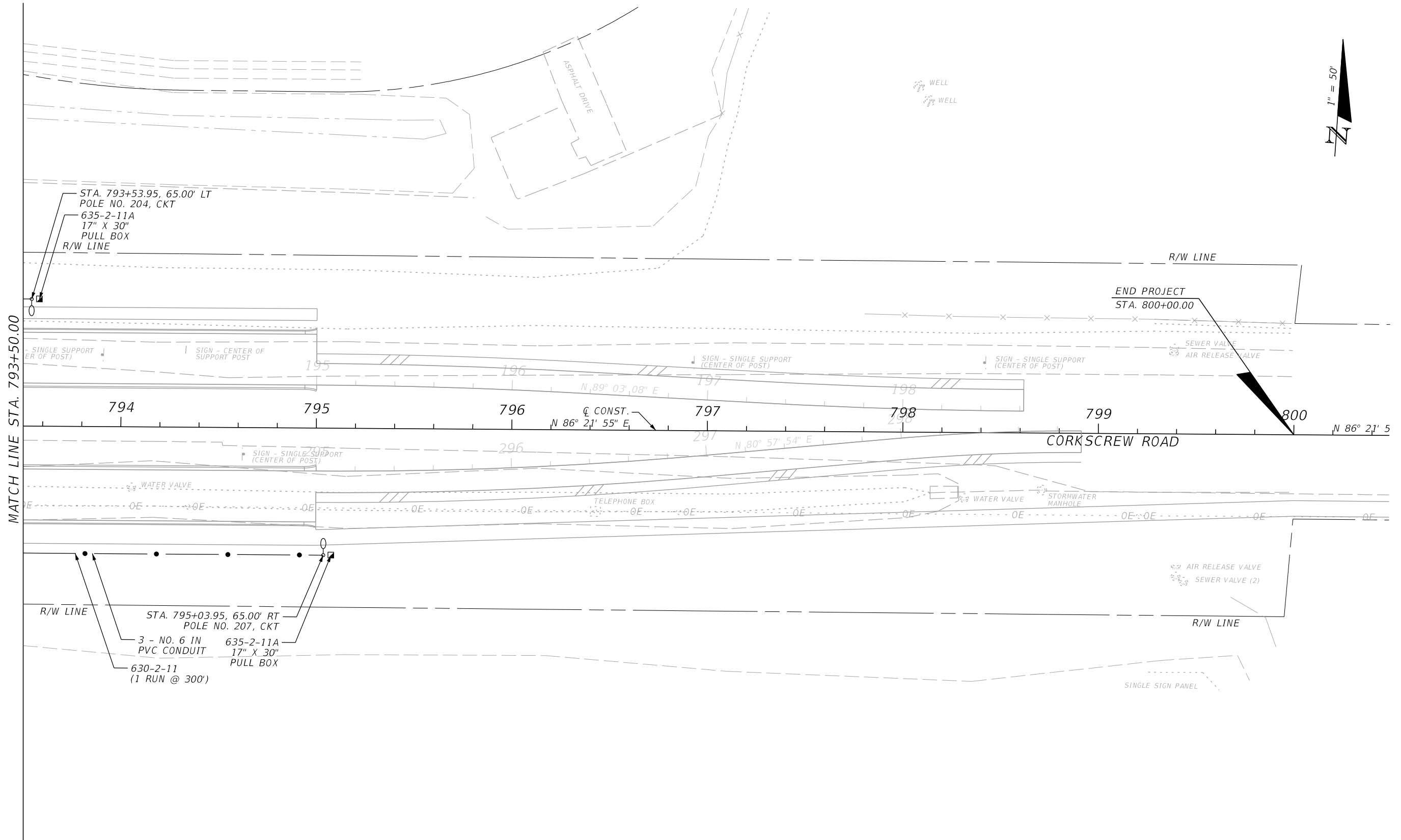
**JOHNSON ENGINEERING**  
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 CERTIFICATE OF AUTHORIZATION NO. 642

LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
**STA. 786+50.00 TO STA. 793+50.00**

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. 793+50.00

END PROJECT  
STA. 800+00.00

CORKSCREW ROAD

STA. 793+53.95, 65.00' LT  
POLE NO. 204, CKT  
635-2-11A  
17" X 30"  
PULL BOX  
R/W LINE

STA. 795+03.95, 65.00' RT  
POLE NO. 207, CKT  
3 - NO. 6 IN  
PVC CONDUIT  
630-2-11  
(1 RUN @ 300')  
635-2-11A  
17" X 30"  
PULL BOX  
R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JOHNSON ENGINEERING**  
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 JOHNSON ENGINEERING, INC.  
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LEE COUNTY PUBLIC WORKS DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	JEI PROJECT ID
C.R. 850	LEE	20192030-000

**LIGHTING PLAN**  
**CORKSCREW ROAD**  
 STA. 793+50.00 TO STA. 800+00.00

SHEET NO.
L-35

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