

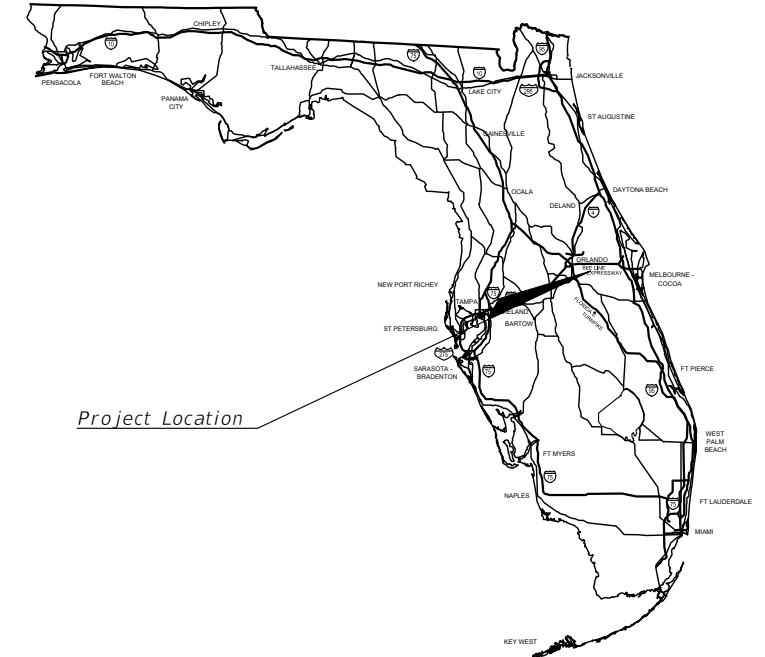


OSCEOLA COUNTY, FLORIDA TRANSPORTATION AND TRANSIT

CONTRACT PLANS

SIMPSON RD LIGHTING PLANS

FPID:
FAN:



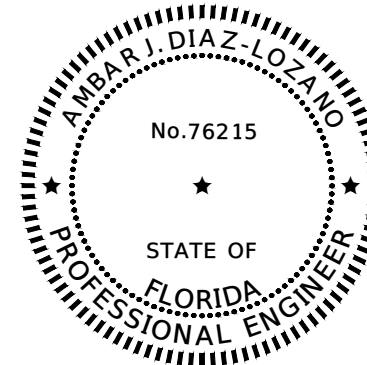
INDEX OF LIGHTING PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	TABULATION OF QUANTITIES
L-3	GENERAL NOTES
L-4 to L-10	LIGHTING PLANS

LIGHTING PLANS SHOP DRAWINGS TO BE SUBMITTED TO:

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

AMBAR J. DIAZ-LOZANO, P.E.
VANASSE HANGEN BRUSTLIN, INC.
225 E. ROBINSON STREET, SUITE 300
ORLANDO, FL 32801



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PLANS PREPARED BY:

VANASSE HANGEN BRUSTLIN, INC.
TRANSPORTATION, LAND DEVELOPMENT,
ENVIRONMENTAL SERVICES
225 E. ROBINSON ST., SUITE 300
LANDMARK CENTER TWO
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION #3932
AMBAR J. DIAZ-LOZANO, P.E. NO. 76215

vhb Engineers | Scientists
Planners | Designers
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932

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

FINAL PLANS
DATE: JANUARY 16, 2023

OSCEOLA COUNTY PUBLIC WORKS

BRANDON ARRINGTON	CHAIRMAN OF THE BOARD OF COUNTY COMMISSIONERS
VIVIANA JANER	VICE CHAIRWOMAN OF THE BOARD OF COUNTY COMMISSIONERS
PEGGY CHOUNDHRY	COUNTY COMMISSIONER
RICKY BOOTH	COUNTY COMMISSIONER
CHERYL GRIEB	COUNTY COMMISSIONER
DON FISHER	COUNTY MANAGER
DAVID MAY	COUNTY ENGINEER
FRANK RAYMOND	PUBLIC WORKS DIRECTOR
TAWNY H. OLORE, P.E.	DIRECTOR OF TRANSPORTATION AND TRANSIT

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2022-23 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.shtm>

APPLICABLE IRs: IR700-010-1
Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July, 2022 Standard Specifications for Road and Bridge Construction at the following website:

<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

OSCEOLA COUNTY PROJECT MANAGER: CONROY JACOBS, A.I.C.P., M.P.A.

LIGHTING PLANS

ENGINEER OF RECORD: AMBAR J. DIAZ-LOZANO, P.E.

P.E. NO.: 76215

SHEET NO.

L-1

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TABULATION OF QUANTITIES

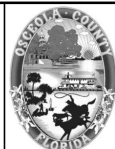
PAY ITEM NO.	DESCRIPTION	UNIT	L-4		L-5		L-6		L-7		L-8		L-9		L-10		TOTAL THIS SHEET		GRAND TOTAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
630-2-11	CONDUIT (F&I) (OPEN TRENCH) UNDERGROUND	LF	81		643		104		87		318		90		660		1,983		1,983	
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE) UNDERGROUND OR UNDER PAVEMENT	LF	889						206		303		582				1,980		1,980	
635-2-11	PULL & SPLICE BOX, F&I, 13"X24"	EA	7														7		7	
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDG., METER PURCH. BY CONTRACTOR	AS	1														1		1	
639-2-1	ELECTRICAL SERVICE WIRE, F&I	LF	5														5		5	
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA	1														1		1	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 6	LF	2184														2,184		2,184	
715-61-411	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT, 8' ARM LENGTH	EA	3														3		3	
715-69-000	LIGHT POLE COMPLETE, REMOVE	EA	2														2		2	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	EA	1														1		1	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, F&I, CONVENTIONAL	EA	3														3		3	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



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OSCEOLA COUNTY
FLORIDA

TABULATION OF QUANTITIES

SHEET NO.
L-2

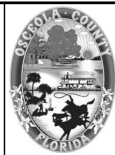
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1. KUA TO INSTALL POLES, PULL BOXES, LUMINAIRES, BRACKETS AND CONDUCTORS AS NECESSARY ALONG SIMPSON ROAD.
2. CONTRACTOR TO INSTALL, REMOVE AND RELOCATE ALL LIGHTING EQUIPMENT AS CALLED OUT IN PLANS ALONG E. IRLO BRONSON MEMORIAL HIGHWAY (US 192) AS NECESSARY IN ORDER INSTALL PROPOSED LIGHTING AND TAP/CONNECT THE RELOCATED LIGHT TO ITS CURRENT CIRCUIT B-2; LOAD CENTER B LOCATED APPROXIMATELY 2,500' WEST OF SIMPSON ROAD, ON THE NORTH SIDE OF US 192.
3. CONTRACTOR TO INSTALL CONDUIT AS CALLED IN PLANS.

R E V I S I O N S			
DATE	DESCRIPTION	DATE	DESCRIPTION



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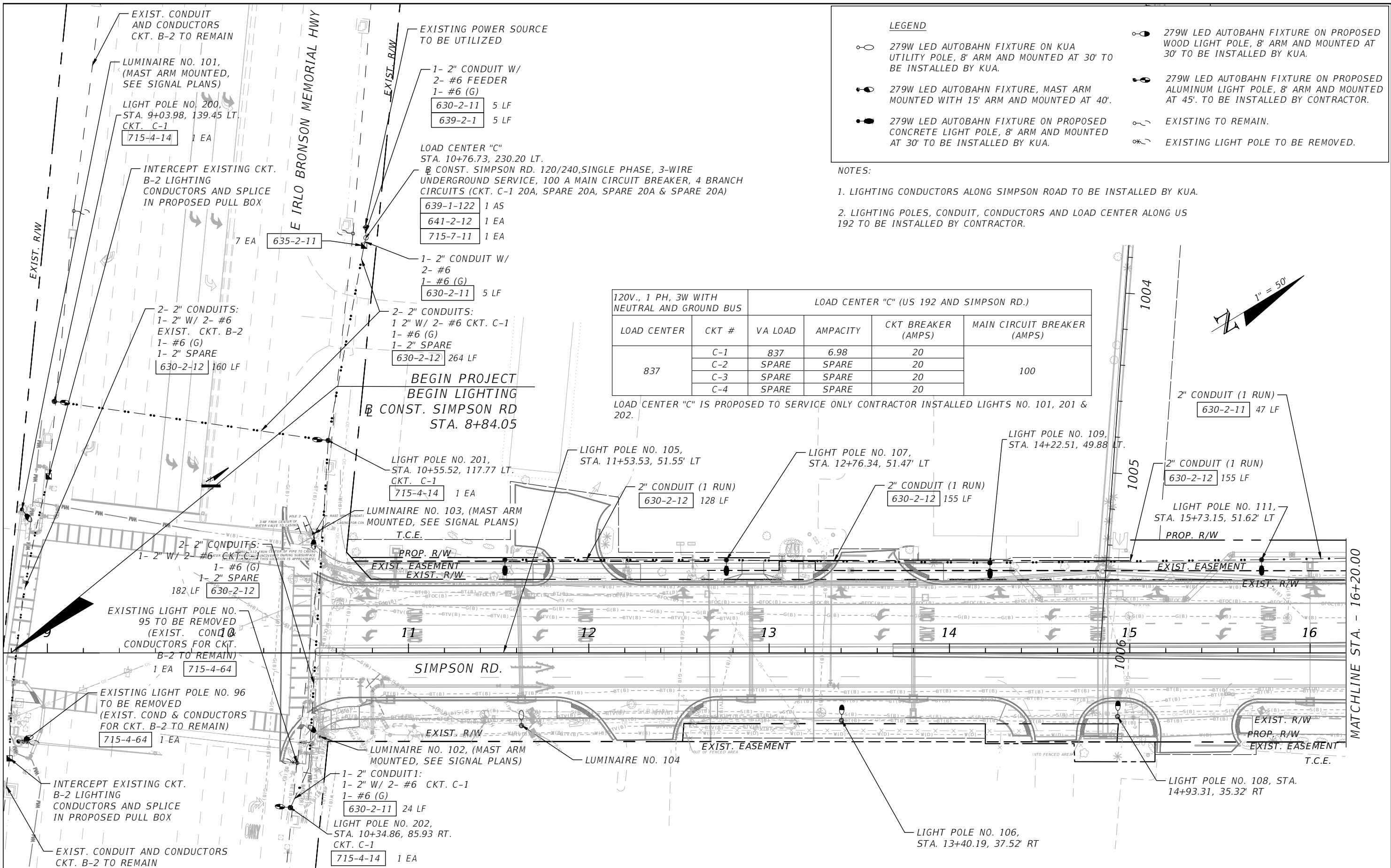


OSCEOLA COUNTY
FLORIDA

GENERAL NOTES

SHEET
NO.
L-3

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LEGEND

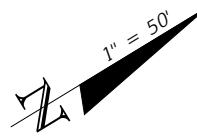
- 279W LED AUTOBAHN FIXTURE ON KUA UTILITY POLE, 8' ARM AND MOUNTED AT 30' TO BE INSTALLED BY KUA.
- 279W LED AUTOBAHN FIXTURE ON PROPOSED WOOD LIGHT POLE, 8' ARM AND MOUNTED AT 30' TO BE INSTALLED BY KUA.
- 279W LED AUTOBAHN FIXTURE ON PROPOSED ALUMINUM LIGHT POLE, 8' ARM AND MOUNTED AT 45'. TO BE INSTALLED BY CONTRACTOR.
- 279W LED AUTOBAHN FIXTURE ON PROPOSED CONCRETE LIGHT POLE, 8' ARM AND MOUNTED AT 30' TO BE INSTALLED BY KUA.
- EXISTING TO REMAIN.
- EXISTING LIGHT POLE TO BE REMOVED.

NOTES:

- LIGHTING CONDUCTORS ALONG SIMPSON ROAD TO BE INSTALLED BY KUA.
- LIGHTING POLES, CONDUIT, CONDUCTORS AND LOAD CENTER ALONG US 192 TO BE INSTALLED BY CONTRACTOR.

120V., 1 PH, 3W WITH NEUTRAL AND GROUND BUS		LOAD CENTER "C" (US 192 AND SIMPSON RD.)			
LOAD CENTER	CKT #	VA LOAD	AMPACITY	CKT BREAKER (AMPS)	MAIN CIRCUIT BREAKER (AMPS)
837	C-1	837	6.98	20	100
	C-2	SPARE	SPARE	20	
	C-3	SPARE	SPARE	20	
	C-4	SPARE	SPARE	20	

LOAD CENTER "C" IS PROPOSED TO SERVICE ONLY CONTRACTOR INSTALLED LIGHTS NO. 101, 201 & 202.



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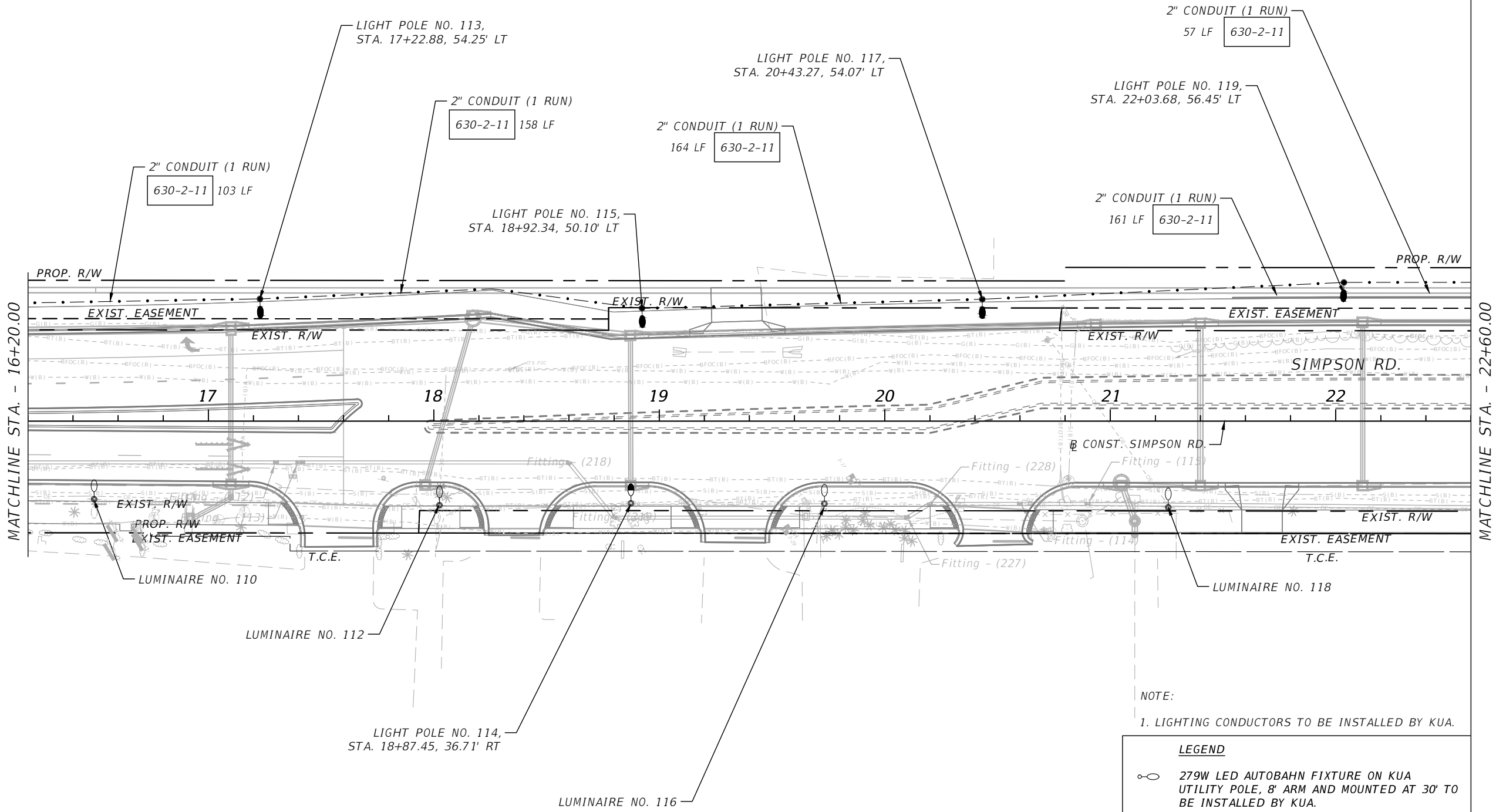
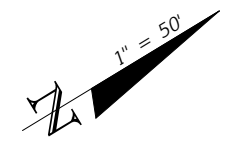


OSCEOLA COUNTY
FLORIDA

SIMPSON RD
LIGHTING PLAN

SHEET NO.
L-4

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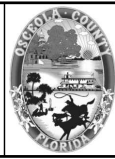
NOTE:
1. LIGHTING CONDUCTORS TO BE INSTALLED BY KUA.

LEGEND

- 279W LED AUTOBAHN FIXTURE ON KUA UTILITY POLE, 8' ARM AND MOUNTED AT 30' TO BE INSTALLED BY KUA.
- 279W LED AUTOBAHN FIXTURE, MAST ARM MOUNTED WITH 15' ARM AND MOUNTED AT 40'.
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- 279W LED AUTOBAHN FIXTURE ON PROPOSED WOOD LIGHT POLE, 8' ARM AND MOUNTED AT 30' TO BE INSTALLED BY KUA.

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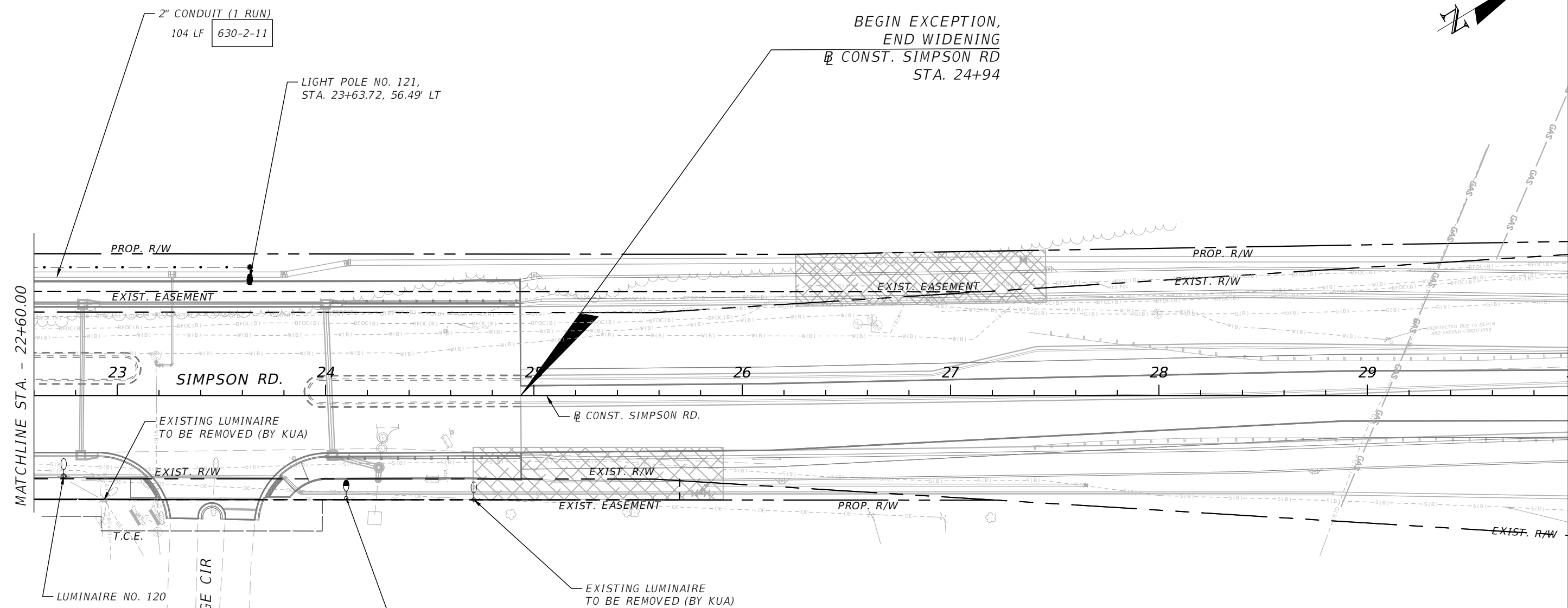
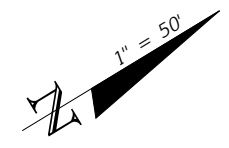


OSCEOLA COUNTY
FLORIDA

SIMPSON RD
LIGHTING PLAN

SHEET NO.
L-5

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- NOTE:**
1. LIGHTING CONDUCTORS TO BE INSTALLED BY KUA.
 2. BRIDGE TO BE DESIGNED BY OTHERS BETWEEN STA. 24+94 & STA. 41+76.

LEGEND

	279W LED AUTOBAHN FIXTURE ON KUA UTILITY POLE, 8' ARM AND MOUNTED AT 30' TO BE INSTALLED BY KUA.
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MATCHLINE STA. - 22+60.00

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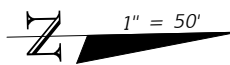
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OSCEOLA COUNTY
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SIMPSON RD
LIGHTING PLAN

SHEET NO.
L-6



END EXCEPTION,
BEGIN WIDENING
CONST. SIMPSON RD
STA. 41+76

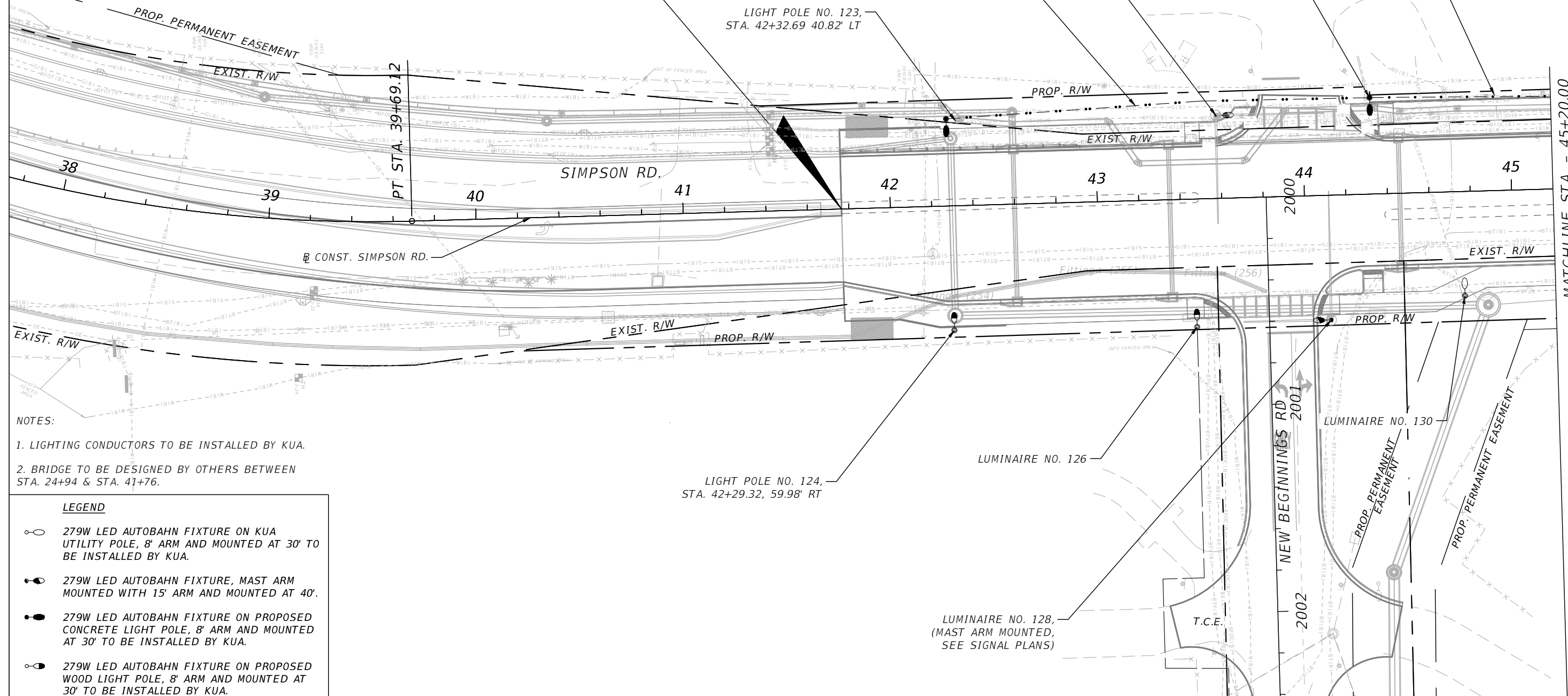
LUMINAIRE NO. 125,
(MAST ARM MOUNTED,
SEE SIGNAL PLANS)

2" CONDUIT (2 RUNS)
206 LF 630-2-12

LIGHT POLE NO. 127,
STA. 44+32.73, 46.52' LT

2" CONDUIT (1 RUN)
87 LF 630-2-11

LIGHT POLE NO. 123,
STA. 42+32.69 40.82' LT



MATCHLINE STA. - 45+20.00

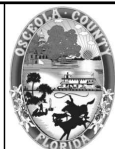
- NOTES:
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OSCEOLA COUNTY
FLORIDA

SIMPSON RD
LIGHTING PLAN

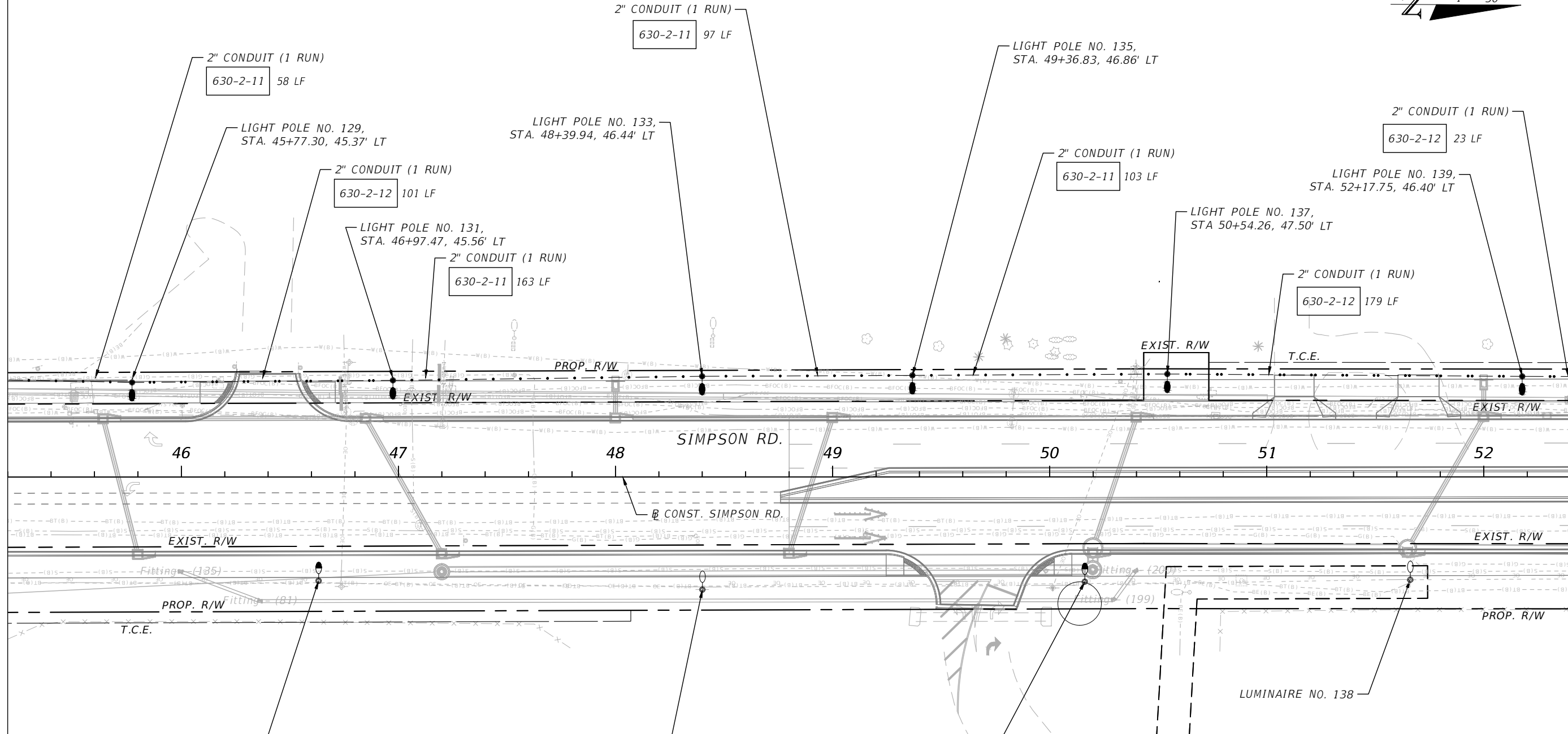
SHEET
NO.
L-7

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1" = 50'

MATCHLINE STA. - 45+20.00

MATCHLINE STA. - 52+40.00



NOTE:
1. LIGHTING CONDUCTORS TO BE INSTALLED BY KUA.

LEGEND

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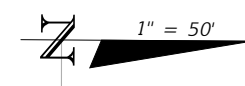


OSCEOLA COUNTY
FLORIDA

**SIMPSON RD
LIGHTING PLAN**

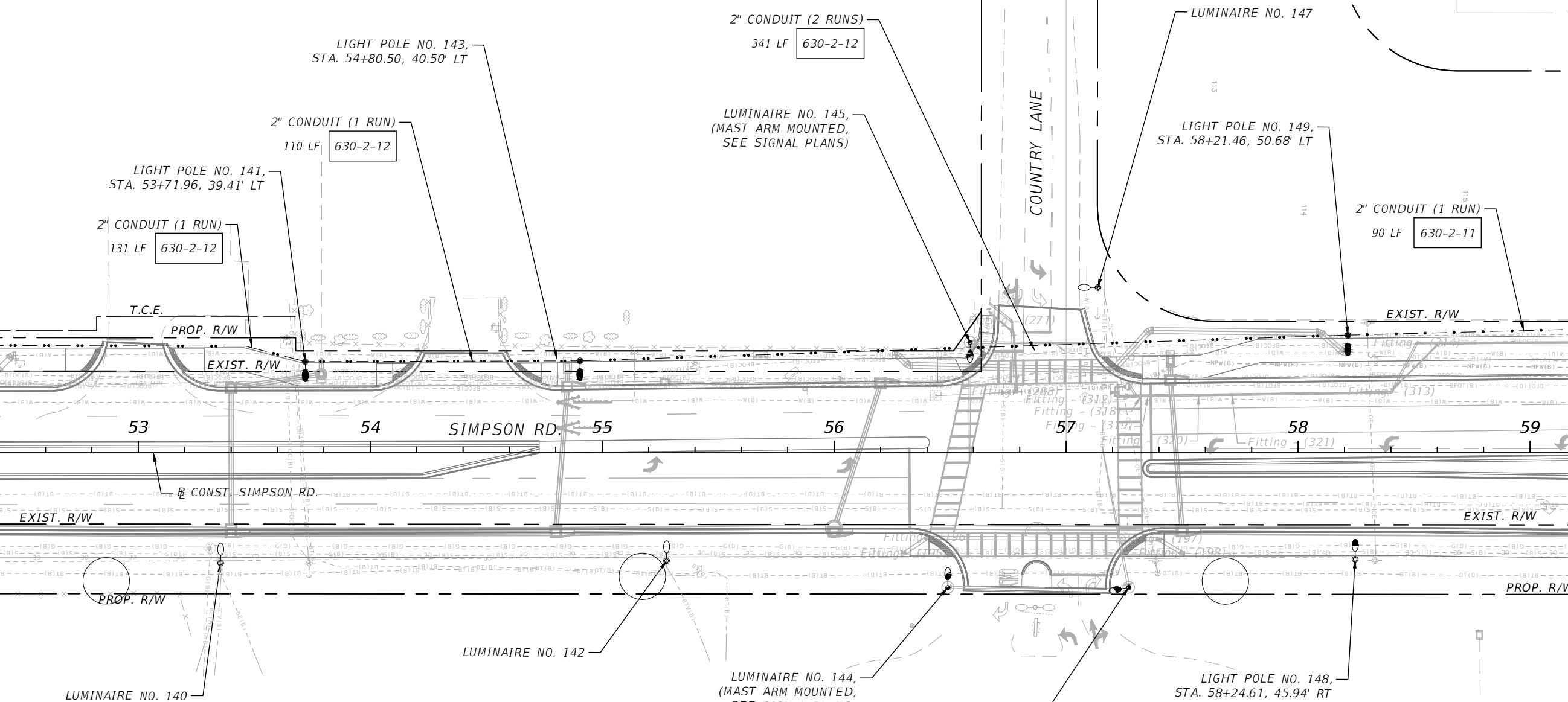
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L-8

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MATCHLINE STA. - 52+40.00


MATCHLINE STA. - 59+20.00



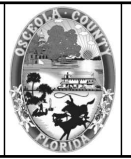
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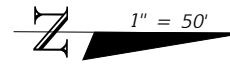


OSCEOLA COUNTY
FLORIDA

**SIMPSON RD
LIGHTING PLAN**

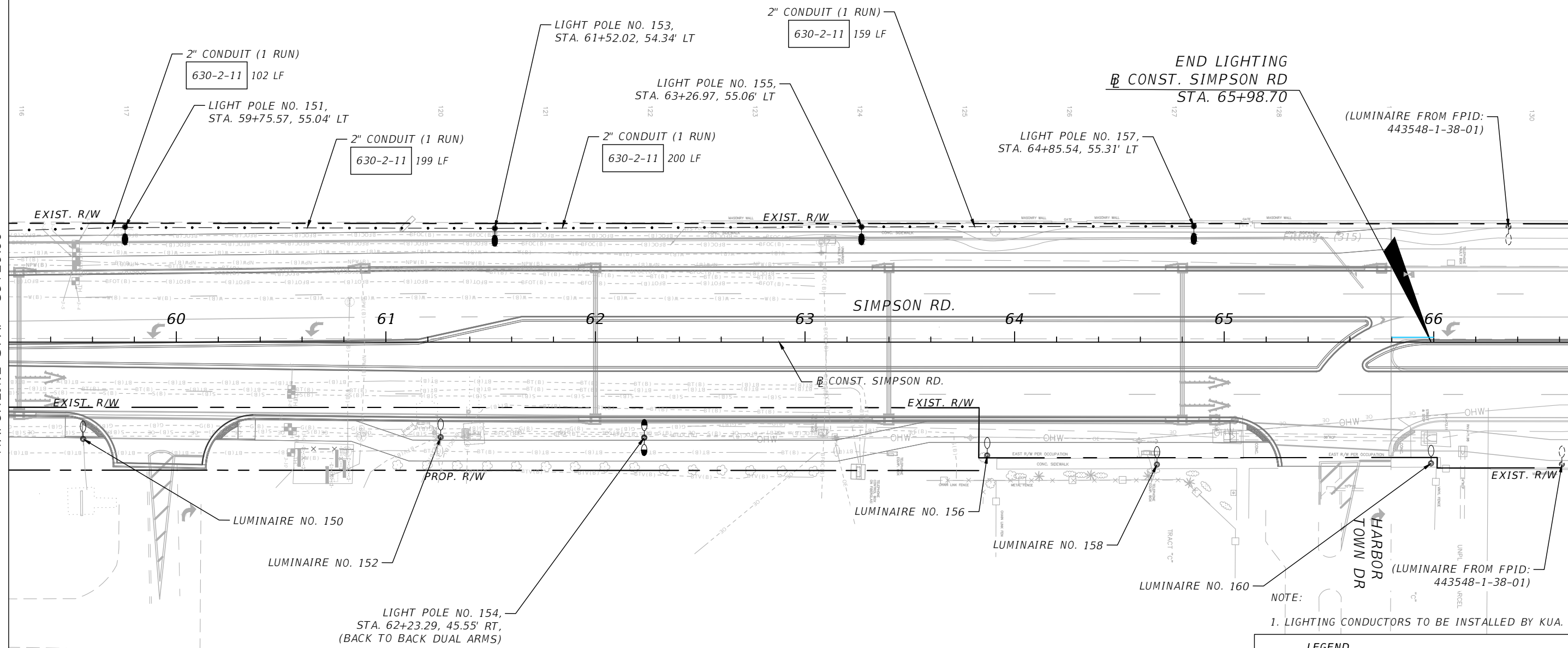
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L-9

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WOODFIELD CT

MATCHLINE STA. - 59+20.00

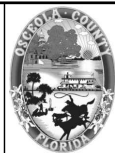


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OSCEOLA COUNTY
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SIMPSON RD
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SHEET NO.
L-10

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