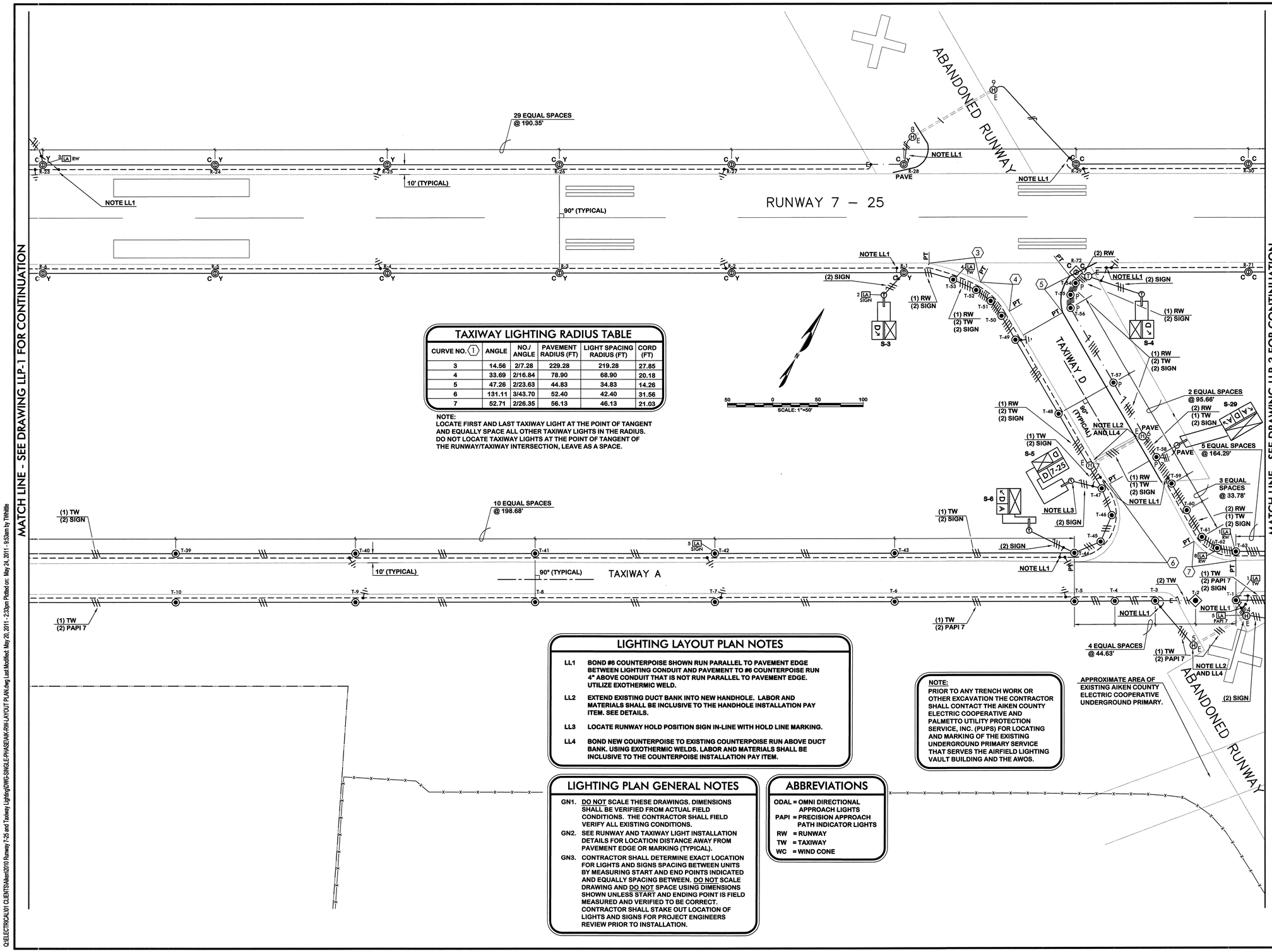


TAXIWAY LIGHTING RADIUS TABLE

CURVE NO. (1)	ANGLE	NO./ ANGLE	PAVEMENT RADIUS (FT)	LIGHT SPACING RADIUS (FT)	CORD (FT)
3	14.56	2/7.28	229.28	219.28	27.85
4	33.69	2/16.84	78.90	68.90	20.18
5	47.26	2/23.63	44.83	34.83	14.26
6	131.11	3/43.70	52.40	42.40	31.56
7	52.71	2/26.35	56.13	46.13	21.03

NOTE:
LOCATE FIRST AND LAST TAXIWAY LIGHT AT THE POINT OF TANGENT AND EQUALLY SPACE ALL OTHER TAXIWAY LIGHTS IN THE RADIUS. DO NOT LOCATE TAXIWAY LIGHTS AT THE POINT OF TANGENT OF THE RUNWAY/TAXIWAY INTERSECTION, LEAVE AS A SPACE.

LIGHTING LAYOUT PLAN NOTES

LL1 BOND #6 COUNTERPOISE SHOWN RUN PARALLEL TO PAVEMENT EDGE BETWEEN LIGHTING CONDUIT AND PAVEMENT TO #6 COUNTERPOISE RUN 4" ABOVE CONDUIT THAT IS NOT RUN PARALLEL TO PAVEMENT EDGE. UTILIZE EXOTHERMIC WELD.

LL2 EXTEND EXISTING DUCT BANK INTO NEW HANDHOLE. LABOR AND MATERIALS SHALL BE INCLUSIVE TO THE HANDHOLE INSTALLATION PAY ITEM. SEE DETAILS.

LL3 LOCATE RUNWAY HOLD POSITION SIGN IN-LINE WITH HOLD LINE MARKING.

LL4 BOND NEW COUNTERPOISE TO EXISTING COUNTERPOISE RUN ABOVE DUCT BANK. USING EXOTHERMIC WELDS. LABOR AND MATERIALS SHALL BE INCLUSIVE TO THE COUNTERPOISE INSTALLATION PAY ITEM.

NOTE:
PRIOR TO ANY TRENCH WORK OR OTHER EXCAVATION THE CONTRACTOR SHALL CONTACT THE AIKEN COUNTY ELECTRIC COOPERATIVE AND PALMETTO UTILITY PROTECTION SERVICE, INC. (PUPS) FOR LOCATING AND MARKING OF THE EXISTING UNDERGROUND PRIMARY SERVICE THAT SERVES THE AIRFIELD LIGHTING VAULT BUILDING AND THE AWOS.

LIGHTING PLAN GENERAL NOTES

GN1. DO NOT SCALE THESE DRAWINGS. DIMENSIONS SHALL BE VERIFIED FROM ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.

GN2. SEE RUNWAY AND TAXIWAY LIGHT INSTALLATION DETAILS FOR LOCATION DISTANCE AWAY FROM PAVEMENT EDGE OR MARKING (TYPICAL).

GN3. CONTRACTOR SHALL DETERMINE EXACT LOCATION FOR LIGHTS AND SIGNS SPACING BETWEEN UNITS BY MEASURING START AND END POINTS INDICATED AND EQUALLY SPACING BETWEEN. DO NOT SCALE DRAWING AND DO NOT SPACE USING DIMENSIONS SHOWN UNLESS START AND ENDING POINT IS FIELD MEASURED AND VERIFIED TO BE CORRECT. CONTRACTOR SHALL STAKE OUT LOCATION OF LIGHTS AND SIGNS FOR PROJECT ENGINEERS REVIEW PRIOR TO INSTALLATION.

ABBREVIATIONS

ODAL = OMNI DIRECTIONAL APPROACH LIGHTS
PAPI = PRECISION APPROACH PATH INDICATOR LIGHTS
RW = RUNWAY
TW = TAXIWAY
WC = WIND CONE

AIKEN SOUTH CAROLINA

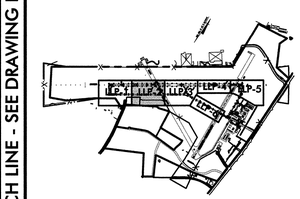
AIKEN MUNICIPAL AIRPORT
AIKEN, SOUTH CAROLINA

THE LPA GROUP
TRANSPORTATION CONSULTANTS
ATLANTA, GA BATON ROUGE, LA CHARLESTON, SC CHARLOTTE, NC CHICAGO, IL COLUMBIA, SC GREENSBORO, NC GULFPORT, MS JACKSONVILLE, FL KNOXVILLE, TN MOBILE, AL ORLANDO, FL RALEIGH, NC RICHMOND, VA SARASOTA, FL TALLAHASSEE, FL TAMPA, FL WEST PALM BEACH, FL

SOUTH CAROLINA AVIATION CERTIFICATE OF AUTHORITY
THE LPA GROUP INCORPORATED No. C00448

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 21653 GARY H. LITY 5-24-11

Designer: FME/RES	Checked by: GHL
Technician: MTW	Project Number: 05500005



KEY PLAN

REVISIONS

No.	Description	Date	By

Project Name:
AIRFIELD LIGHTING REHABILITATION

Drawing Name:
LIGHTING LAYOUT PLAN NO. 2

FAA A.I.P. Project Number:
3-45-0002-12-2010 & -14-2011

Date: MAY, 2011	Division: AIRPORTS
Scale: 1"=50'	Sheet Number:
	Drawing Number: LLP-2

Q:\ELECTRICAL\01 CLIENTS\Aiken\2010 Runway 7-25 and Taxiway Lighting\DWG-SINGLE-PHASE\AIK-RWY-LAYOUT PLAN.dwg Last Modified: May 20, 2011 - 2:33pm Plotted on: May 24, 2011 - 9:53am by TWWelle