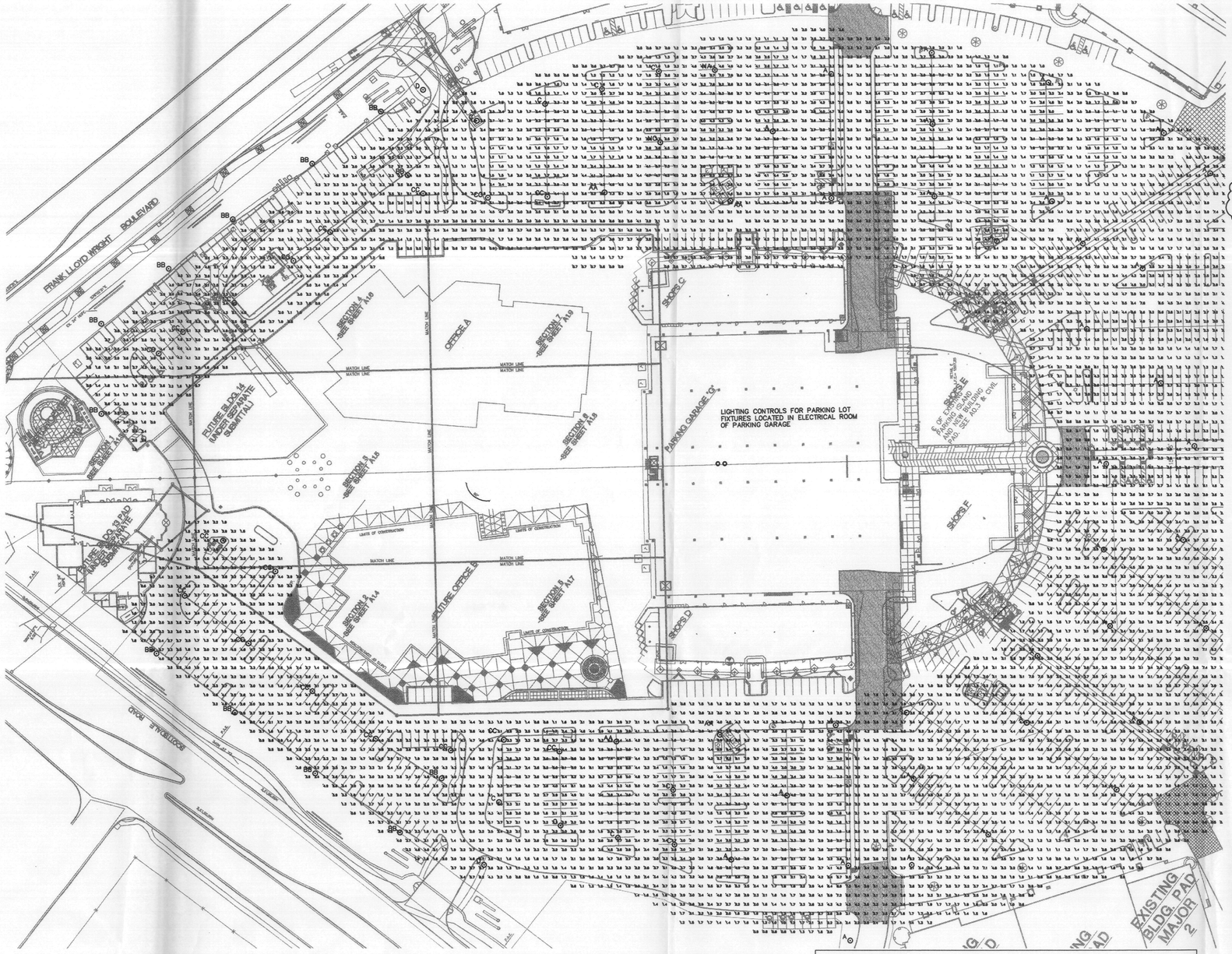

PHOTOMETRIC NOTES

1. PHOTOMETRIC CALCULATIONS ARE BASED ON GIVEN DATA AND PHOTOMETRIC DATA PROVIDED BY LUMINAIRE AND LAMP MANUFACTURERS. CALCULATIONS REPRESENT A MATHEMATICAL MODEL OF THE SITE OR INTERIOR SPACE. ACTUAL FIELD RESULTS WILL VARY BASED ON MANUFACTURING TOLERANCES OF LAMPS, LUMINAIRES, BALLASTS, AND OTHER COMPONENTS, AS WELL AS ON FIELD AND INSTALLATION CONDITIONS, AND MAINTENANCE PRACTICES.
2. THIS DRAWING FOR INFORMATION ONLY, NOT FOR CONSTRUCTION.
3. EXISTING PHOTOMETRY AND POLE LOCATIONS BASED ON DRAWINGS BY DALE E. WALKER & COMPANY, INC., 02/16/99.
   EXISTING STATISTICAL SUMMARY:
   AVERAGE FC = 2.59
   MAXIMUM FC = 11.1
   MINIMUM FC = 0.6
   AVERAGE/MINIMUM = 4.32
   MAXIMUM/MINIMUM = 18.5
   (BASED ON A LLF OF .6)
4. LIGHT LOSS FACTOR CALCULATION IS AS FOLLOWS:
   LAMP LFF IS .65
   TIMES BALLAST FACTOR OF .92
   EQUALS .598

1

STATISTICS					
Description	Avg	Max	Min	Max/Min	Avg/Min
Retail Parking	2.6 fc	9.3 fc	0.4 fc	46.5:1	14.1:1

LUMINAIRE SCHEDULE *

Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
A	41	EXISTING 1000W MH LUMINAIRE	TYPE V DISTRIBUTION, 20' MOUNTING HEIGHT	1000W MH, HORIZONTAL LAMP	PI5013-5.ies	110000	0.60	458
AA	2	Spaulding CI-III-SM--SF-M1000-VS-480	AREA LUMINAIRE W/ VERTICLE 1000W MH LAMP, TYPE V DISTRIBUTION AND FLAT GLASS, 20' MOUNTING HEIGHT	1000W MH REDUCED JACKET	L4796.IES	110000	0.60	1000
BB	12	Spaulding CI-III-SM--SF-M400-III-480	AREA LUMINAIRE W/ VERTICLE 400W MH LAMP, TYPE III DISTRIBUTION AND FLAT GLASS, 20' MOUNTING HEIGHT	MH400/U/ED28 - REDUCED JACKET, ED28 LAMP	L4663.IES	36000	0.60	458
C	9	EXISTING 400W MH LUMINAIRE	TYPE V DISTRIBUTION, 20' MOUNTING HEIGHT	400W MH, HORIZONTAL LAMP	PI5013-5.ies	40000	0.60	458
NC	1	EXISTING 400W MH LUMINAIRE	TYPE V DISTRIBUTION, 20' POLE	400W MH, HORIZONAL LAMP	L3034.IES	40000	0.60	460
CC	19	Spaulding CI-III-SM--IF-M400-VS-480-FG	VERTICLE 400W MH LAMP, TYPE V DISTRIBUTION AND FLAT GLASS, 20' MOUNTING HEIGHT	REDUCED JACKET, ED28 LAMP	L4803.IES	36000	0.60	400
D	2	EXISTING 400W MH LUMINAIRE	TYPE IV DISTRIBUTION, 20' MOUNTING HEIGHT	400W MH, HORIZONTAL LAMP	L4664.IES	36000	0.60	458

* LUMINAIRE SHEDULE SHOWN FOR REFERENCE ONLY. FOR LIGHTING FIXTURE SCHEDULE SEE SHEET ES-0.

PHOTOMETRIC ANALYSIS
FIXTURE SCHEDULE & NOTES

DRAWING NAME: F:\CAD\BVA TMAD PROJECTS\OLD\2001\201-036 PROMENADE RETAIL-SITE\SITE\ELECT\ES-3.DWG ** DATE: 01/30/2003 ** TIME: 6:15

architecture planning
727 E. MARYLAND AVE
Phoenix, AZ. 85014
phone: 602.266.6202
facsimile: 602.265.6212

THE PROMENADE - PHASE II
SCOTTSDALE, AZ
FOR THE PEDERSON GROUP

SITE PHOTOMETRICS

8176 ROBERT T. BALTES REGISTERED PROFESSIONAL ENGINEER ARIZONA USA

APPROVED
FINAL PLANS PLANNING
6-20-03
DATE
APPROVED BY

08 MAY 03 CITY COMMENTS

- SCHEMATIC
- DESIGN DEVELOPMENT
- ● CONSTRUCTION DOCUMENTS
- BID/PRICING PACKAGE
- BUILDING DEPT. APPROVAL

DATE ISSUED 02.31.03
DRAWN BY TPS/TCK
CHECKED BY J. YURKUS
PROJECT NO. 97018
CADD FILE
SCALE: 1"=50'-0"

PHOTOMETRIC ANALYSIS

0 25' 50' 100'

Schematic drawing only. All dimensions are approximate.

12/03/01 00173o

NORTH

DRAWING NO.

ES-3

BVA Baltes/Valentino Associates, Limited
Engineering for Building Owners
Mechanical & Electrical Consulting Engineers
7250 N. 16th St. #102 • Phoenix, AZ 85020 • (602) 371-1333
www.bvaeng.com E-Mail ca@bvaeng.com

DESIGNED BY: J. YURKUS
DRAWN BY: TPS/TCK