

RECOMMENDED ILLUMINANCE ACCORDING TO THE IESNA*

MINIMUM: 0.5 FC (or greater)
 UNIFORMITY RATIO: 4.0-TO-1 (or lesser)
 UNIFORMITY RATIO: 15.0-TO-1 (or lesser)

* RECOMMENDED ILLUMINANCE LEVELS ARE PUBLISHED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA IN RP-20-14 LIGHTING FOR PARKING FACILITIES.

PARKING LOT 1 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 2.2 FC
 MAXIMUM: 5.1 FC
 MINIMUM: 0.6 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 3.7-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 8.5-TO-1

PARKING LOT 2 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 2.1 FC
 MAXIMUM: 4.8 FC
 MINIMUM: 0.5 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 4.2-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 9.6-TO-1

PARKING LOT 7 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 1.8 FC
 MAXIMUM: 2.5 FC
 MINIMUM: 0.7 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 2.5-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 3.6-TO-1

PARKING LOT 3 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 2.2 FC
 MAXIMUM: 3.6 FC
 MINIMUM: 1.5 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 1.5-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 2.4-TO-1

PARKING LOT 8 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 2.2 FC
 MAXIMUM: 4.0 FC
 MINIMUM: 1.3 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 1.7-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 3.1-TO-1

PARKING LOT 4 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 1.8 FC
 MAXIMUM: 2.6 FC
 MINIMUM: 1.2 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 1.4-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 2.2-TO-1

PARKING LOT 9 LIGHTING STATISTICS:

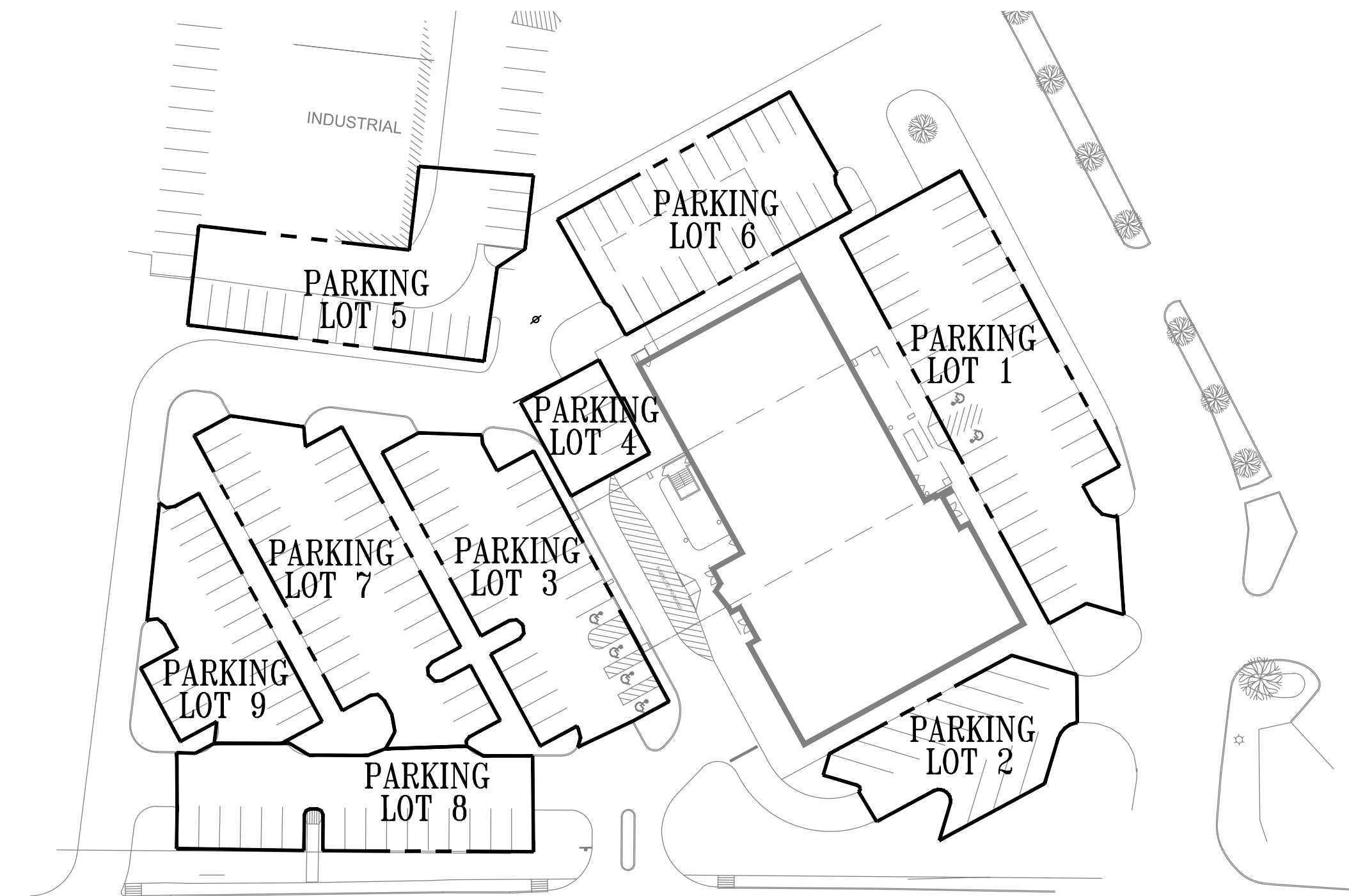
AS DESIGNED
 AVERAGE: 2.0 FC
 MAXIMUM: 2.9 FC
 MINIMUM: 0.6 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 3.4-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 4.8-TO-1

PARKING LOT 5 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 2.4 FC
 MAXIMUM: 5.1 FC
 MINIMUM: 0.7 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 3.4-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 7.3-TO-1

PARKING LOT 6 LIGHTING STATISTICS:

AS DESIGNED
 AVERAGE: 2.3 FC
 MAXIMUM: 4.4 FC
 MINIMUM: 0.6 FC
 AVERAGE-TO-MINIMUM UNIFORMITY RATIO: 3.8-TO-1
 MAXIMUM-TO-MINIMUM UNIFORMITY RATIO: 7.3-TO-1



TYPE S1A
 MANUFACTURER: AMERICAN ELECTRIC LIGHTING
 # ATB2-40BLED70-MVOLT-R3-BK (LUMINAIRE)
 MANUFACTURER: VALMONT # R-170830504T5-P2-DBL (LIGHTING POLE)
 MANUFACTURER: VALMONT # 1HT90 (POLE BRACKET ARM)
 MANUFACTURER: VALMONT # CL14AC-DBL (POLE BASE COVER)
 DESCRIPTION: 18-FOOT TALL TAPERED ALUMINUM POLE WITH CONCRETE FOUNDATION BASE WITH 30-INCHES EXPOSED ABOVE GRADE. LUMINAIRE TO UTILIZE 4000K LED LAMPS WITH IES TYPE III OPTICAL DISTRIBUTION.

TYPE S1B
 DESCRIPTION: SIMILAR TO TYPE S1A EXCEPT WITH 20-FOOT TALL POLE WITH CONCRETE FOUNDATION WITH 6-INCHES EXPOSED ABOVE GRADE. LUMINAIRE TO HAVE IES TYPE V OPTICAL DISTRIBUTION.

TYPE S1C
 DESCRIPTION: SIMILAR TO TYPE S1A EXCEPT LUMINAIRE TO HAVE IES TYPE V OPTICAL DISTRIBUTION.

TYPE S1D
 DESCRIPTION: SIMILAR TO TYPE S1A EXCEPT LUMINAIRE TO HAVE IES TYPE II OPTICAL DISTRIBUTION.

TYPE S1E
 DESCRIPTION: SIMILAR TO TYPE S1A EXCEPT LUMINAIRE TO HAVE IES TYPE IV OPTICAL DISTRIBUTION.

TYPE S1F
 DESCRIPTION: SIMILAR TO TYPE S1A EXCEPT WITH 20-FOOT TALL POLE WITH CONCRETE FOUNDATION WITH 6-INCHES EXPOSED ABOVE GRADE. LUMINAIRE TO HAVE IES TYPE II OPTICAL DISTRIBUTION.

TYPE S2
 MANUFACTURER: HOLOPHANE LIGHTING
 # HLWPC2-P40-40K-12-T3M-BKSDP-PE (LUMINAIRE)
 DESCRIPTION: WALL MOUNTED LUMINAIRE INSTALLED 20-FEET ABOVE GRADE. LUMINAIRE TO UTILIZE 4000K LED LAMPS WITH IES TYPE III OPTICAL DISTRIBUTION.

TYPE S3
 MANUFACTURER: HOLOPHANE LIGHTING
 # PPSQL2-P10-40K-12-FC-T5M-BKSPD-SPD (LUMINAIRE)
 DESCRIPTION: SURFACE CEILING MOUNTED LUMINAIRE INSTALLED UNDER ENTRANCE CANOPY. LUMINAIRE TO UTILIZE WITH 4000K LED LAMPS WITH IES TYPE V OPTICAL DISTRIBUTION.

project no. 18-0018	revisions:
JOHNSON ROAD PROPERTY 90 JOHNSON ROAD PORTLAND, MAINE	
project	drawing title
SITE LIGHTING CALCULATION RESULTS	

date drawn: 06/22/18	date issued: 07/02/18	drawn by: LEB	scale: AS NOTED
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