

CURB IS PREFERRED BUT TO BE ADJUSTED AS NEEDED TO PREVENT ENCROACHMENT OVER PROPERTY LINE. 4. BASE PLATE & ANCHOR BOLTS PER POLE MANUFACTURER. LARGER FOOTING DIAMETER AND/OR ALTERNATE ARRANGEMENT OF REINFORCING TEEL MAY BE REQUIRED TO ACCOMMODATE ANCHOR BOLT CONFIGURATION. CONTRACTOR RESPONSIBLE TO COORDINATE DIMENSIONAL REQUIREMENTS FOR BASE PLATE, ANCHOR BOLTS & REINFORCING STEEL PRIOR TO CONSTRUCTION.

LIGHT POLE FOUNDATION SCHEDULE	
MOUNTING HEIGHT ABOVE GRADE 'A'	24'-25'
POLE DIA. 'B'	6" SQUARE (OR PER MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE
FOUNDATION DIAMETER 'C'	18" DIA. ROUND
FOUNDATION DEPTH 'D'	6.5'
REINFORCING TIES 'E'	#4 @ 12" O.C.
VERTICAL REINFORCEMENT 'F'	(6) #6 BARS EQUALLY SPACED

1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST. 2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.

- 1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
- 2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
- 3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.

4. REINFORCING FRAMEWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE. AREA LIGHT FOUNDATION DETAIL

NOT TO SCALE

GENERAL NOTES

BE CONSIDERED AS APPROXIMATE.

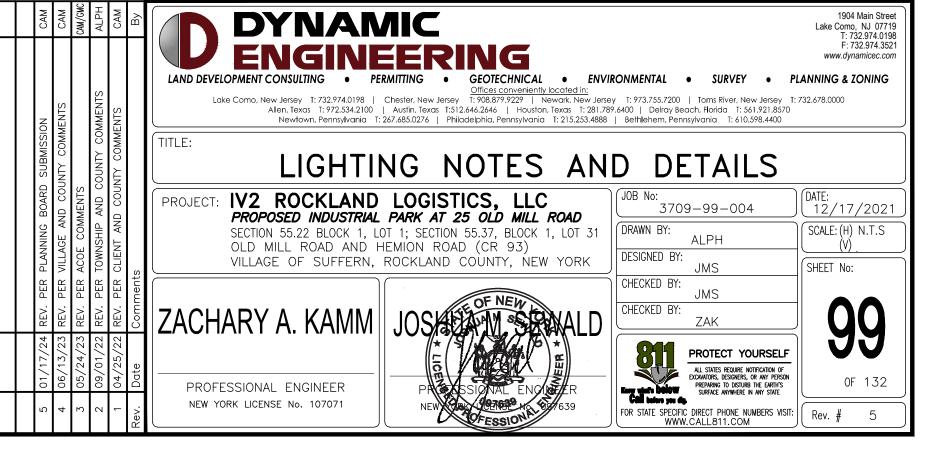
- 1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS, ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER
- RELATED VARIABLE FIELD CONDITIONS. 2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLÉRANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD
 - 3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDERAIL POSTS.
 - 4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
 - 5. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING DIAGRAM.

VILLAGE OF SUFFERN LIGHTING REQUIREMENTS

- A. THE STYLE OF THE LIGHT AND LIGHT STANDARDS SHALL BE CONSISTENT WITH THE ARCHITECTURAL STYLE OF THE PRINCIPAL BUILDING. (§228-24.B(1))
- B. THE MAXIMUM HEIGHT OF FREESTANDING LIGHTS SHALL BE NO HIGHER THAN THE HEIGHT OF THE PRINCIPAL BUILDING BUT SHALL NOT EXCEED 18 FEET. THE MAXIMUM HEIGHT MAY BE INCREASED TO 25 FEET IN LARGE PARKING AREAS WHERE THE PLANNING BOARD FINDS THAT SUCH LIGHTING IS APPROPRIATE AND WHERE SUCH INCREASED HEIGHT WILL NOT BE A DISTURBANCE TO NEIGHBORS. (§228-24.B(2))
- LOCATED. (§228-24.B(3)) ALL LIGHTS SHALL BE SHIELDED TO RESTRICT THE MAXIMUM APPROXIMATE ANGLE OF THE CONE OF ILLUMINATION TO 150°.(\$228-24.B(4))

THE SOURCE OF ILLUMINATION SHALL BE SO SHIELDED THAT IT IS NOT VISIBLE BEYOND THE BOUNDARIES OF THE LOT ON WHICH IT IS

- WHERE LIGHTS MAY BE VISIBLE FROM ADJACENT RESIDENCES OR PUBLIC STREETS, THE LIGHTS SHALL BE APPROPRIATELY SHIELDED TO MINIMIZE VISUAL DISCOMFORT AND IMPAIRMENT OF DRIVER AND PEDESTRIAN VISION DUE TO GLARE. (\$228-24.B(5)) F. SPOTLIGHT-TYPE FIXTURES ATTACHED TO BUILDINGS SHALL NOT BE PERMITTED. (\$228-24.B(6))
- G. FREESTANDING LIGHTS SHALL BE SO LOCATED AND PROTECTED AS TO PREVENT DAMAGE BY VEHICLES. (§228-24.B(7))
- H. LIGHTING SHALL BE LOCATED ALONG STREETS, PARKING AREAS, AT INTERSECTIONS AND WHERE VARIOUS TYPES OF CIRCULATION SYSTEMS MERGE, INTERSECT OR SPLIT, AS REQUIRED BY THE PLANNING BOARD. (\$228-24.B(8))
- PATHWAYS, SIDEWALKS AND TRAILS SHALL BE LIGHTED WITH SUITABLE LOW OR PEDESTRIAN-TYPE STANDARDS. (\$228-24.B(9)) EXTERIOR STAIRWAYS, SLOPING OR RISING PATHS, BUILDING ENTRANCES AND EXITS SHALL BE SUITABLY ILLUMINATED FOR SAFETY PURPOSES. (§228-24.B(10))
- THE LIGHTING INTENSITIES LISTED BELOW SHALL BE USED AS A GENERAL DESIGN GUIDE. THE PLANNING BOARD MAY VARY THESE CRITERIA WHERE THE BOARD FINDS SUCH A VARIATION IS APPROPRIATE AND WHERE SUCH VARIATIONS WILL NOT BE A DISTURBANCE TO NEIGHBORS.
- (§228–24.B(11)) a. SHOPPER PARKING: AN AVERAGE OF 1.0 FOOTCANDLE.
- b. LONG-TERM PARKING: AN AVERAGE OF 0.75 FOOTCANDLE. c. INTERSECTIONS: 2.0 FOOTCANDLE.
- d. MAXIMUM AT PROPERTY LINES: 0.6 FOOTCANDLE.
- e. IN RESIDENTIAL AREAS: AVERAGE OF 0.6 FOOTCANDLE.



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