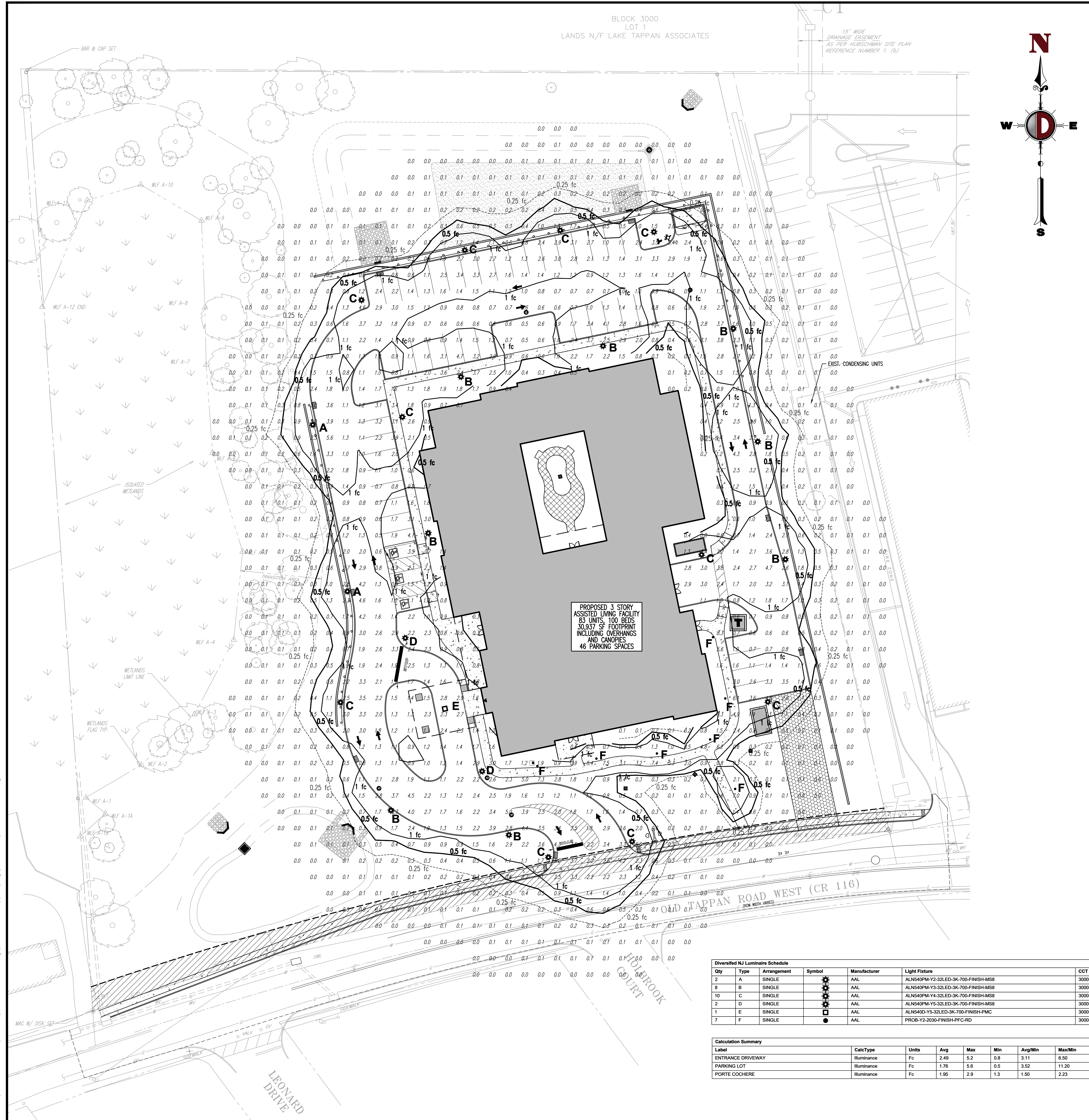


Plotted: 09/30/22 - 1:30 PM. By: jdemartins  
File: P:\CEPC PROJECTS\1423 Capitol Seniors Housing\99-006 Old Tappan\dwg\Site Plans\0142399006SX.dwg. --- 12 LIGHTING PLAN



**THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY**

**GENERAL NOTES**

- 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 LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- 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 TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
- CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDELINE POSTS.
- ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
- REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING DIAGRAM.

**DECORATIVE LIGHT FOUNDATION DETAIL**  
NOT TO SCALE

**SOIL NOTES**

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

**CONCRETE NOTES**

- 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.
- ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
- ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
- 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 ACT AND UNIFORM BUILDING CODE.

**LIGHT POLE FOUNDATION SCHEDULE**

MOUNTING HEIGHT ABOVE GRADE 'A'	14.5'
POLE DIA. 'B'	6" SQUARE (OR PER MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE
FOUNDATION DIAMETER 'C'	18" DIA. ROUND
FOUNDATION DEPTH 'D'	6'
REINFORCING TIES 'E'	#4 @ 16" O.C.
VERTICAL REINFORCEMENT 'F'	(6) #5 BARS EQUALLY SPACED

**GRAPHIC SCALE**  
1" = 30 FT.

**Calculation Summary**

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ENTRANCE DRIVEWAY	Illuminance	Fc	2.49	5.2	0.8	3.11	6.50
PARKING LOT	Illuminance	Fc	1.76	5.6	0.5	3.52	11.20
PORTE COCHERE	Illuminance	Fc	1.95	2.9	1.3	1.50	2.23

**DIVERSIFIED NJ**  
66 LANE ROAD  
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**DYNAMIC ENGINEERING**  
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REV	DATE	COMMENTS
1	07/29/21	REVISED PER SCD & COUNTY COMMENTS
2	09/10/21	REVISED PER SCD & COUNTY COMMENTS
3	12/20/21	REVISED PER SCD & COUNTY COMMENTS
4	02/01/22	REVISED PER SCD COMMENTS
5	03/16/22	NEW REV PER SCD COMMENTS
6	05/02/22	REVISED PER BOROUGH & SCD COMMENTS
7	06/15/22	REVISED PER BOROUGH & SCD COMMENTS
8	07/11/22	REVISED PER BOROUGH COMMENTS
9	08/30/22	REVISED PER BOROUGH COMMENTS
10	09/26/22	REVISED PER ENGINEERING COMMENTS

**THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION**

DESIGNED BY:	JD	CHECKED BY:	JD
REVIEWED BY:	JD	DATE:	05/18/2021

**PROJECT:** CSH OLD TAPPAN, LLC  
PROPOSED ASSISTED LIVING FACILITY  
BLOCK 1606, LOT 3  
244 OLD TAPPAN ROAD  
BOROUGH OF OLD TAPPAN, BERGEN COUNTY, NEW JERSEY

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PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 36618

**TITLE:**  
**LIGHTING PLAN**

**SCALE:** (H) 1" = 30'  
(V) 1" = 30 FT.

**DATE:** 05/18/2021

**PROJECT No:** 1423-99-006

**SHEET No:** 12  
OF 20

**Rev. #:** 10