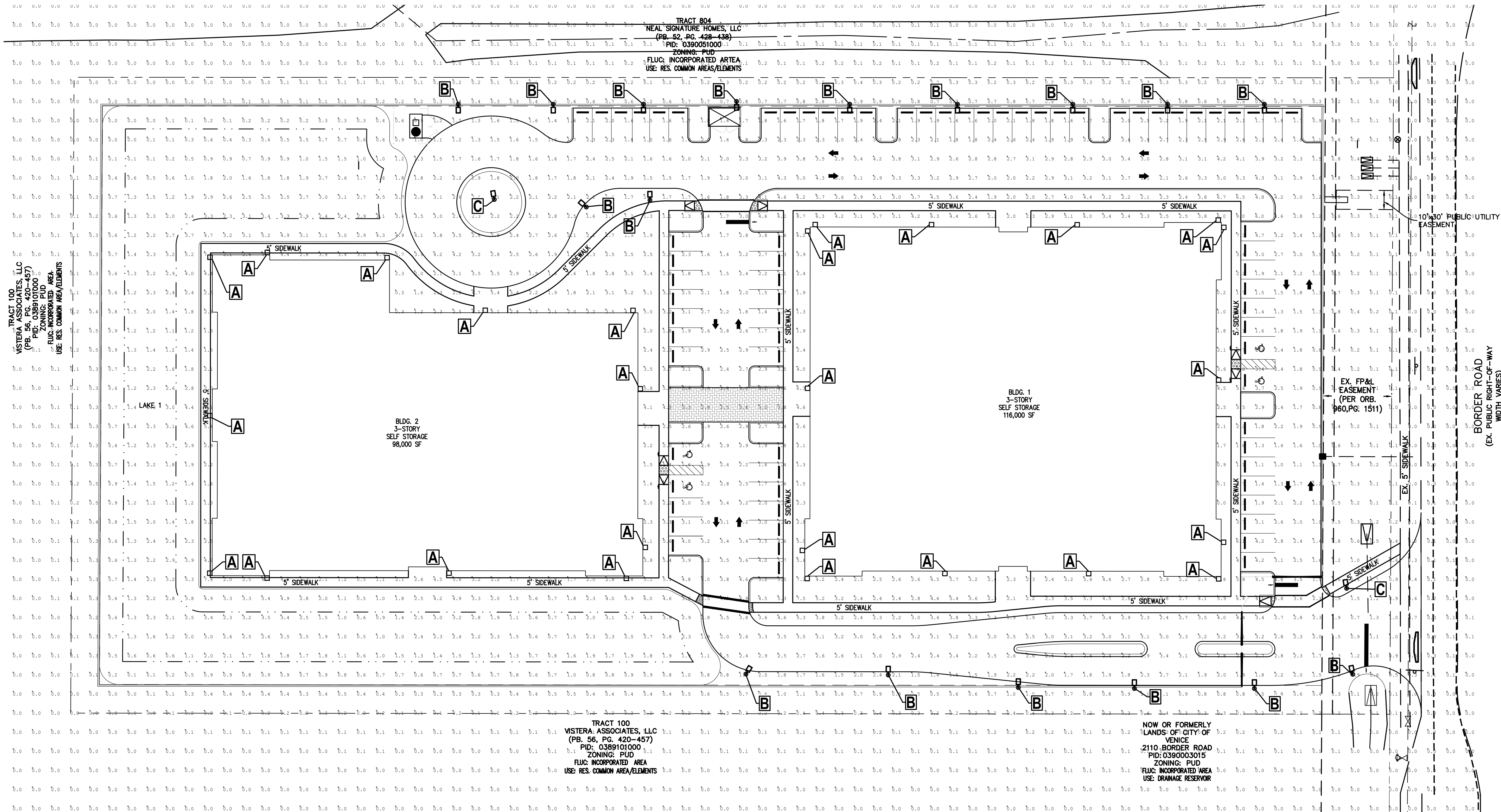




Lighting hours of operation:
Lighting shall only be on from the hours of 6am to 6pm daily.

CALCULATION SUMMARY							
LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVEMENT	ILLUMINANCE	Fc	2.76	9.70	0.60	4.60	16.17

LUMINAIRE SCHEDULE										
SYMBOL	QUANTITY	LABEL	FIXTURE ARRANGEMENT	FIXTURE COUNT	MANUFACTURER / FIXTURE DESCRIPTION / MOUNTING TYPE	MOUNTING HEIGHT	LLF	COLOR TEMPERATURE	ARRANGEMENT WATTS	TOTAL WATTS
	26	A	SINGLE	1	HUBBEL / GEOPAK SERIES 2/QSP2-160L-100-3K7-4F / BUILDING	24'-0"	0.900	3000 K	95	2470.0
 	17	B	SINGLE	1	KIM LIGHTING / ALT1-54L-120-AM-4W / LIGHT POLE	15'-0"	0.900	3000 K	122	2074.0
 	2	C	SINGLE	1	KIM LIGHTING / ALT1-54L-120-AM-5R / LIGHT POLE	15'-0"	0.900	3000 K	122	244.0
									TOTAL	4,788.0

LIGHT POLE FOUNDATION SCHEDULE	
MAXIMUM HEIGHT ABOVE GRADE 'A'	15'-0" MAX
ASSUMED AVERAGE POLE DIAMETER WIDTH 'B'	5" (SQUARE ALUMINUM)
MAXIMUM NUMBER OF FIXTURES	SINGLE
MINIMUM FOUNDATION DIAMETER 'C'	2'-0"
MINIMUM FOUNDATION DEPTH 'D'	5'-0"
REINFORCING TIES 'E' *	#3 TIE AT 12" O.C.
VERTICAL HOOKED REINFORCEMENT 'F'	(6) #6 BARS EQUALLY SPACED

* = ADD 3 TIES, 1-1/2" C-C, AT TOP OF THE FOUNDATION

DESIGN CRITERIA

SUBGRADE MINIMUM ALLOWABLE BEARING PRESSURE = 3,000 PSF (ASSUMED)

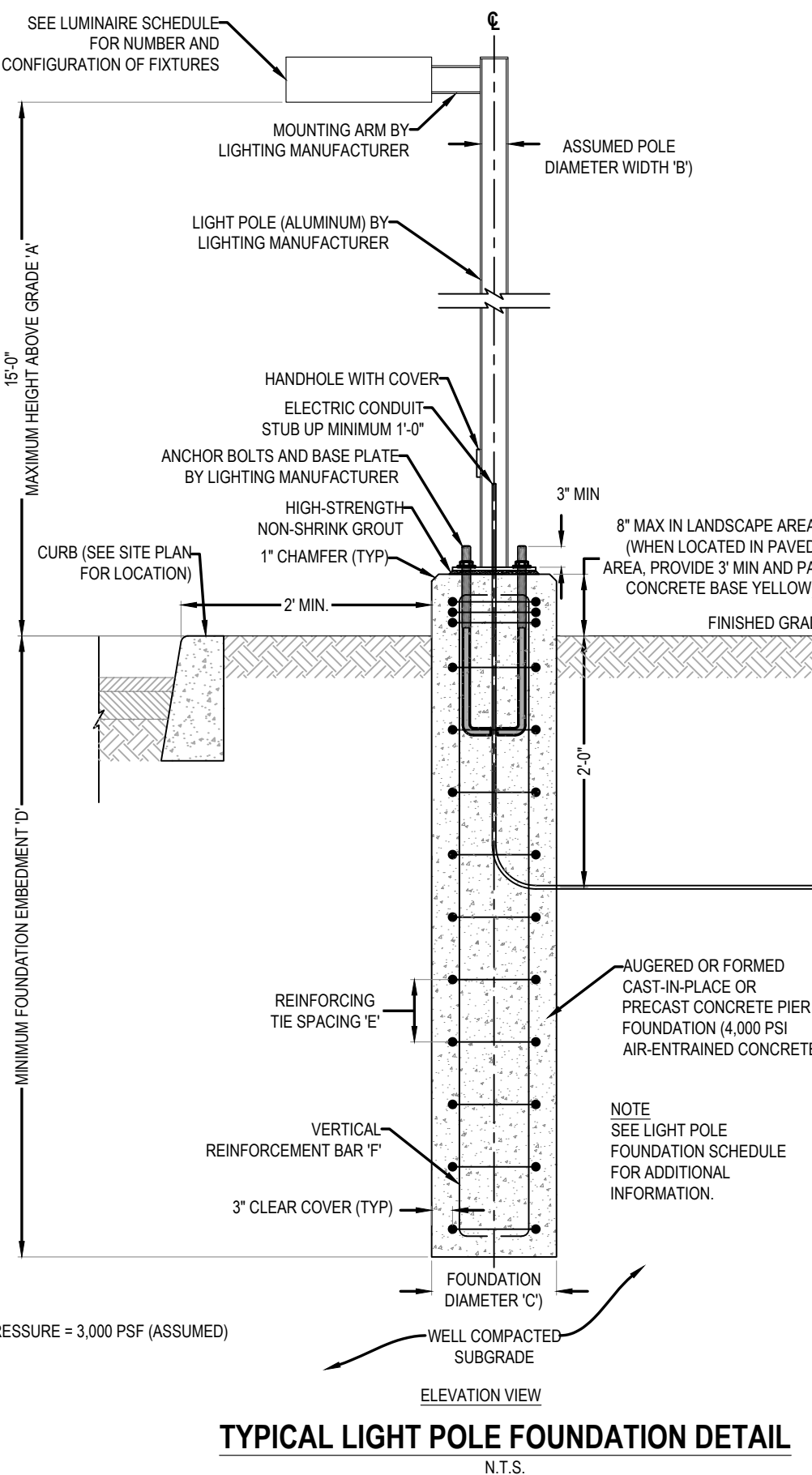
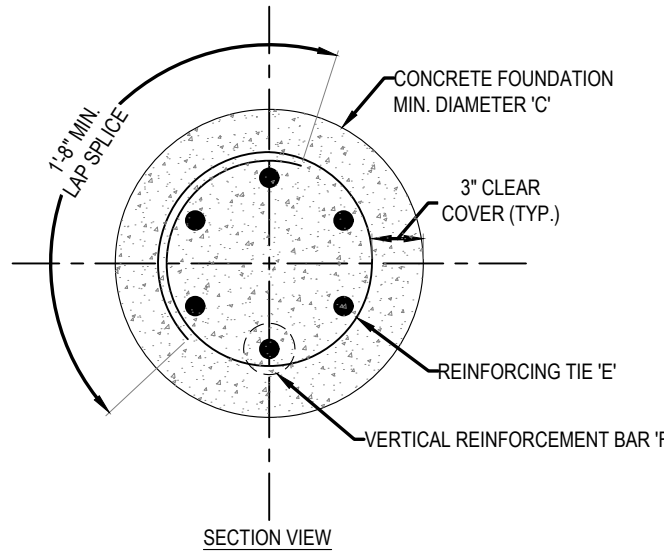
SOIL FRICTION ANGLE = 30 DEG (ASSUMED)

SOIL DRY UNIT WEIGHT = 110 PCF (ASSUMED)

BASIC WIND SPEED = 120 MPH



1. THE CONTRACTOR, MATERIALS, AND WORKMANSHIP SHALL COMPLY WITH THE REQUIREMENTS OF THE CONSTRUCTION CODE OF THE TOWN'S LATEST EDITION AND ALL APPLICABLE FEDERAL AND STATE CODES, STANDARDS, REGULATIONS, AND LAWS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS, AND COORDINATE WITH ALL CONTRACT DRAWINGS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DESIGN PLANS ARISE, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
3. THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES, AND UTILITY LINES FROM ALL DAMAGE.
4. JOB SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF ALL EXCAVATION SLOPES, WHERE NECESSARY, SHEETING AND SHORING OF EXCAVATION SHALL BE PROVIDED WITH ALL REQUIRED TIE BACKS AND BRACING. METHODS EMPLOYED IN ALL SHEETING AND SHORING SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE PROJECT'S STATE.
6. THE CONTRACTOR SHALL HAVE A GEOTECHNICAL ENGINEER, LICENSED IN THE PROJECT'S STATE, ON SITE TO INSPECT FILL, MONITOR FILL COMPACTION, VERIFY SUBGRADE ALLOWABLE BEARING CAPACITY, AND SOIL DESIGN CRITERIA PRIOR TO CONSTRUCTION IN ACCORDANCE TO THE DESIGN ASSUMPTIONS STATED IN CONTRACT DOCUMENTS. UNSUITABLE MATERIALS FOUND SHALL BE REMEDIED AS PER THE DIRECTION OF THE ON SITE GEOTECHNICAL ENGINEER.
7. NO REVISIONS, ALTERNATES, OR SUBSTITUTIONS TO THE CONTRACT DOCUMENTS ARE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
8. ILLUMINATION LEVELS SHOWN IN FOOT-CANDELS.
9. ILLUMINATION LEVELS ON THIS PLAN HAVE BEEN CALCULATED FOR PROPOSED SITE AREA LIGHTS ONLY. ACTUAL ILLUMINATION LEVELS IN THE FIELD MAY DIFFER FROM THOSE DEPICTED ON THE PLAN DUE TO INTERFERENCE FROM EXISTING/AMBIENT LIGHTING WHOSE ILLUMINATION LEVELS ARE NOT REFLECTED ON THIS PLAN.
10. LIGHT CIRCUITRY PLAN PREPARED BY OTHERS.
11. ILLUMINATION LEVELS SHOWN ON THIS PLAN WERE CALCULATED USING AG323 PHOTOMETRIC SOFTWARE.



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ISSUE DATE	COMMENT	
07/16/24 01/31/25	SITE LIGHTING REVISED LIGHTING	
CLIENT:		
<u>BORDER ROAD 5 LP</u> <u>1876B BARBER ROAD,</u> <u>UNIT 100</u> <u>SARASOTA, FL 34240</u>		
PROJECT:		
VENICE SELF STORAGE 2114 BORDER ROAD VENICE, FL 34292		
SEAL & SIGNATURE		
		
PROJECT No.	230395C	
DRAWING BY:	D.R.	
CHK BY:	J.N.	
SHEET NUMBER:	OF X	
TITLE DRAWING:		
SITE LIGHTING DESIGN		
LD-100		