

STANDARD BANK OF AMERICA REQUIREMENTS	
REQUIRED	PROPOSED
MINIMUM 10 FOOTCANDLES AT FACE OF ATM EXTENDING 5 FT OUTWARD IN ALL DIRECTIONS MEASURED 36" ABOVE GRADE	10.1 FC
MINIMUM 2 FOOTCANDLES AT FACE OF ATM EXTENDING 60 FT OUTWARD IN ALL DIRECTIONS MEASURED 36" ABOVE GRADE	2.0 FC

PROPOSED LUMINAIRE SCHEDULE							
SYMBOL	LABEL	QUANTITY	LIGHTING	DISTRIBUTION	LLF	MANUFACTURER	IES FILE
	A	2	M805_LED MAIN STREET SERIES	TYPE III	0.9	STERNBERG	MS805_SRT0H5_150HPS.IES
	B	15	QSP GEOPAK SERIES 2	TYPE IV	0.9	HUBBELL	TRP2-24L-30-4K7-4.IES
	C	4	ZR-C COMMERCIAL SERIES CANOPY FIXTURE	-	0.9	CREE LIGHTING	ZR14-40L-830-10V5-UNV_STD200105NB-AB.IES
	D	1	CREE OSQ SERIES POLE MOUNTED AREA LIGHT WITH BACKLIGHT SHIELD - 9L, 4,000 K	4ME	0.90	CREE	OSQM-B-9L-40K7-4M-U_OSQ-BLSMF_CONFIGURED.ies
	E	2	CREE OSQ SERIES POLE MOUNTED AREA LIGHT WITH BACKLIGHT SHIELD - 22L, 4,000 K	4ME	0.90	CREE	OSQM-B-22L-40K7-4M-U_OSQ-BLSMF_CONFIGURED.ies

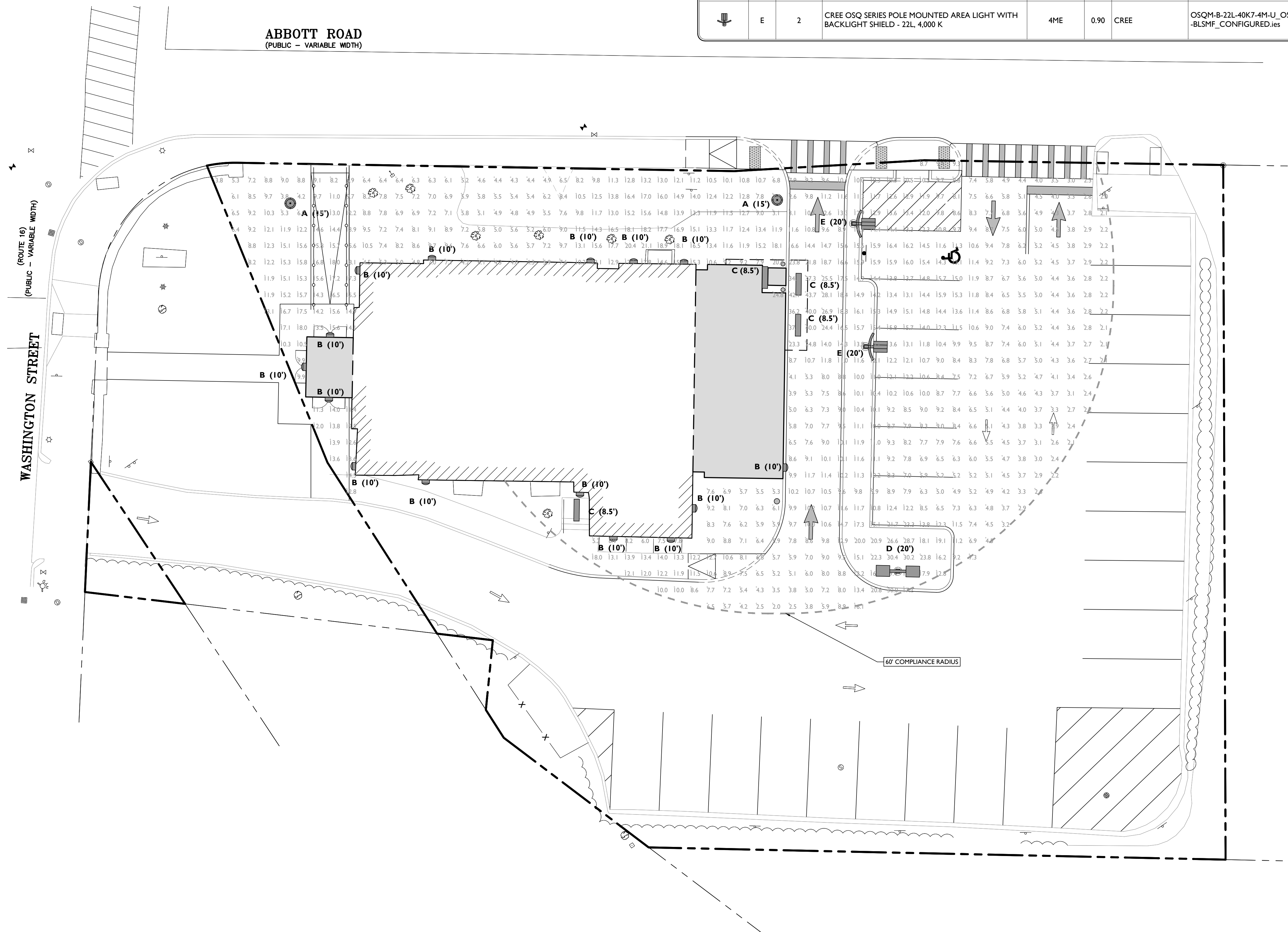
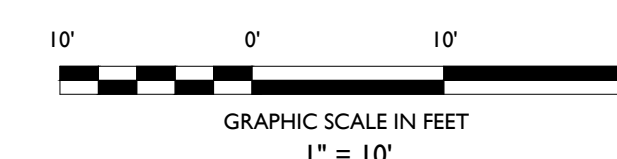
SYMBOL	DESCRIPTION
---	PROPOSED ISOMETRIC LINE
A (XX')	PROPOSED LIGHTING FIXTURE (MOUNTING HEIGHT)
XXX	PROPOSED LIGHTING INTENSITY (FOOTCANDLES)
	PROPOSED AREA LIGHT
	PROPOSED CANOPY LIGHT
	PROPOSED BUILDING MOUNTED LIGHT
	PROPOSED AREA LIGHT

**GENERAL LIGHTING NOTES**

- THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH AS WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS.
- WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
- UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
  - LIGHT EMITTING DIODES (LED): 0.90
  - HIGH PRESSURE SODIUM: 0.72
  - METAL HALIDE: 0.72
- THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING PROPOSED DRAINAGE UTILITY, OR OTHER IMPROVEMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.

**ATM LIGHTING NOTES:**

- THE CONTRACTOR SHALL REPLACE LAMP COVERS, RE-LAMP AND RE-BALLAST EXISTING LIGHT FIXTURES AS INDICATED WITHIN THE PLAN SET. THE EXISTING FIXTURE HEIGHT SHALL BE MAINTAINED UNLESS INDICATED OTHERWISE. THE LIGHTING DESIGN IS SUBJECT TO CHANGE IF THE EXISTING LIGHT FIXTURES ARE NOT GREATER THAN OR EQUAL TO THE FOLLOWING WATTAGE:
  - FIXTURE 'X' = MINIMUM X WATTS
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING IF THE EXISTING LIGHT FIXTURES ARE NOT THE MINIMUM WATTAGE SPECIFIED WITHIN THE PLAN SET.
- THE CONTRACTOR IS RESPONSIBLE TO CONFIRM THAT ANY EXISTING LIGHT POLES IDENTIFIED FOR REUSE WITH A PROPOSED LIGHT FIXTURE(S) SHALL BE IN ACCEPTABLE WORKING CONDITION AND HAVE THE CAPACITY TO SUPPORT THE PROPOSED LIGHT FIXTURE(S). ANY MOUNTING EQUIPMENT REQUIRED TO ATTACH THE PROPOSED LIGHTING FIXTURE TO THE EXISTING LIGHT POLE SHALL BE PROVIDED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL CONFIRM THAT THE LOCATION OF ANY PROPOSED BUILDING MOUNTED LIGHTING FIXTURE WILL NOT CONFLICT WITH ANY EXISTING OR PROPOSED STRUCTURAL ELEMENT (E.G. CANOPY SUPPORT BEAMS). THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING OF ANY FIXTURE CONFLICT PRIOR TO THE START OF CONSTRUCTION.
- ALL EXISTING TREE LIMBS WITHIN THE 60 FOOT ATM RADIUS SHOWN IN THE PLAN SET SHALL BE TRIMMED TO A MINIMUM OF 6 FEET ABOVE GRADE. ALL SHRUBS WITHIN THE 60 FOOT ATM RADIUS SHALL BE TRIMMED TO A MINIMUM OF 36 INCHES ABOVE GRADE. ALL BRUSH SHALL BE REMOVED. THE CONTRACTOR SHALL CONSIDER ALL FUTURE GROWTH AND FULL BLOOM WHEN TRIMMING LANDSCAPING. EXISTING TREE LIMBS ADJACENT TO LIGHTING FIXTURES SHALL BE TRIMMED AS REQUIRED TO PREVENT LIGHT INTERFERENCE.
- PRIOR TO BID, CONTRACTOR SHALL VERIFY EXISTING EXTERIOR LIGHTING CONDITIONS AFTER DUSK AND NOTIFY THE DEVELOPER/OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC. OF DAMAGED OR INOPERABLE LIGHTS. THE CONTRACTOR SHALL REPAIR ALL INOPERABLE LIGHTS UNLESS OTHERWISE NOTED WITHIN THIS PLAN SET.
- THE ILLUMINATION LEVELS DEPICTED WITHIN THE PLAN SET ARE BASED ON REGULATORY STATE STANDARDS FOR SAFETY LIGHTING AND ON CLIENT STANDARDS.
- ALL LIGHTING FIXTURES, UNLESS OTHERWISE NOTED WITHIN THIS PLAN SET, HAVE THE PHOTOCELL OPTION ENABLED.
- EXISTING LIGHTING FIXTURES CONTROLLED BY OUTSIDE ENTITIES (E.G. LANDLORD) HAVE BEEN EXCLUDED FROM THE LIGHTING ANALYSIS REFLECTED WITHIN THE PLAN SET. THE PROPOSED LIGHT LEVELS HAVE BEEN DESIGNED TO COMPLY WITH ALL APPLICABLE ATM AND SAFETY LIGHTING REQUIREMENTS INDEPENDENT OF ANY UNCONTROLLED LIGHT FIXTURES.



**BANK OF AMERICA**  
**PROPOSED SITE IMPROVEMENTS**  
**Wellesley, MA**

Map 75, Lot 44  
 342 Washington Street  
 Town of Wellesley  
 Norfolk County, Massachusetts

**ARCHITECT:**

**Gensler**

1 Beacon Street  
 3rd Floor  
 Boston, MA 02108

**CIVIL ENGINEER:**

**STONEFIELD**  
 engineering & design

Rutherford, NJ · New York, NY · Boston, MA  
 Princeton, NJ · Tampa, FL · Detroit, MI  
 www.stonefielddeng.com

1 Beacon Street, 15 Floor, Boston, MA 02108  
 Phone 617.203.2076

Issue	Date	Issue Description	By	Check
01	05/10/2022	FOR CLIENT REVIEW	JB	JAM

JAKE MODESTOW, P.E.  
 MASSACHUSETTS LICENSE No. 6201065336  
 LICENSED PROFESSIONAL ENGINEER

JB DM  
 DRAWN BY CHECKED BY  
**STONEFIELD**  
 engineering & design, llc.

SCALE: (H) 1" = 10'

PROJECT ID: BOS-200032

TITLE:  
**LIGHTING PLAN**

SHEET:  
**2 OF 2**