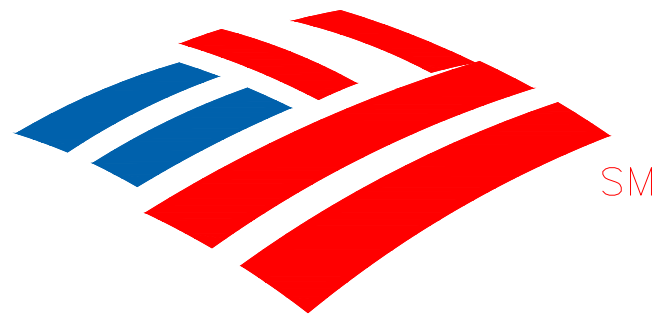


# Bank of America<sup>®</sup>



## EXTERIOR LIGHTING PROGRAM



Facility Analysis + Engineering

Office: (972) 771-6038

1629 Smirl Drive, Suite 200, Heath, Texas 75032

www.gmr1.com

LUMINAIRE SCHEDULE					**SEE FUTURE CLARIFICATION NOTE #9		(NFP) = NEW POLE (CBO) CONTROLLED BY OTHERS		** CONTRACTOR TO VERIFY MOUNTING ACCESSORIES BEFORE ORDERING**		
SYMBOL	QTY	LABEL	FIXTURE ARRANGEMENT	TOTAL FIXTURE COUNT	NEW POLE COUNT	FIXTURE TYPE / MOUNTING / MANUFACTURER	BUG RATING	MOUNTING HEIGHT	MOUNTING ACCESSORIES	NOTES	
	7	UDT1	SINGLE	7	-	(UDT1) LNBX-70-30K / CANOPY MOUNT / CREE	B1-UD-G0	MATCH EXISTING	CS-LSA	REPLACE EXISTING FIXTURE	
	3	UDV1	SINGLE	3	-	(UDV1) LNBX-30-30K / CANOPY MOUNT / CREE	B1-UD-G0	MATCH EXISTING	CS-LSA	REPLACE EXISTING FIXTURE	
	2	UDV2	SINGLE	2	-	(UDV2) LNBX-30-30K / CANOPY MOUNT / CREE	B1-UD-G0	8' AFG	CS-LSA	ADD NEW FIXTURE - MATCH EXISTING CANOPY HEIGHT	
	2	UDW1	SINGLE	2	-	(UDW1) LNBX-38L-30K / CANOPY MOUNT / CREE	B1-UD-G0	MATCH EXISTING	CS-LSA	REPLACE EXISTING FIXTURE	
	2	USK1 (NEW POLE)	DOUBLE (2@90°)	4	2	(USK1) DSQ-M-B-16L-30K-5N-LN-NM-B2 / POLE MOUNT / CREE	B4-UD-G3	20' AFG	DSQ-M-L-B-DA-B2	ADD NEW POLE AND FIXTURE	
	1	UHM1	DOUBLE (2@90°)	2	-	(UHM1) DSQ-L-B-30L-30K-4M-LN-NM-B2 / POLE MOUNT / CREE	B3-UD-G3	MATCH EXISTING	DSQ-M-L-B-DA-B2	REPLACE EXISTING FIXTURE	
	1	USA1	SINGLE	1	-	(USA1) SEC-EDG-25-WM-02-E-L-82-525-30K / WALL MOUNT / CREE	B1-UD-G1	MATCH EXISTING	-	REPLACE EXISTING FIXTURE	
	2	USF1	SINGLE	2	-	(USF1) SEC-EDG-3M-WM-02-E-L-82-525-30K / WALL MOUNT / CREE	B1-UD-G1	MATCH EXISTING	-	REPLACE EXISTING FIXTURE	
	1	USH1	SINGLE	1	-	(USH1) SEC-EDG-4M-WM-02-E-L-82-550-30K / WALL MOUNT / CREE	B1-UD-G1	MATCH EXISTING	-	REPLACE EXISTING FIXTURE	
	1	USJ1	SINGLE	1	-	(USJ1) SEC-EDG-4M-WM-02-E-L-82-700-30K / WALL MOUNT / CREE	B1-UD-G1	MATCH EXISTING	-	REPLACE EXISTING FIXTURE	
	3	USK1	SINGLE	3	-	(USK1) SEC-EDG-4M-WM-04-E-L-82-525-30K / WALL MOUNT / CREE	B2-UD-G2	MATCH EXISTING	-	REPLACE EXISTING FIXTURE	
	1	USK2	SINGLE	1	-	(USK2) SEC-EDG-4M-WM-04-E-L-82-525-30K / WALL MOUNT / CREE	B2-UD-G2	11' AFG	-	ADD NEW FIXTURE	
	1	YB1	SINGLE	1	-	EXISTING POLE FIXTURE	-	-	-	OUT OF SCOPE	
	2	ZC1	SINGLE	2	-	BOA DRIVE UP ATM #1 FIXTURE (GEWH4848B4T)	-	-	-	OUT OF SCOPE	

#### CONTRACTOR RESPONSIBILITY NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, INCLUDING COORDINATION WITH THE LOCAL JURISDICTION AND ANY ASSOCIATED PERMIT FEES OR PROCESSING. CONTRACTOR SHALL NOTIFY GMR UPON RECEIPT OF PERMIT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING DOCUMENTS THAT ARE NOT INCLUDED IN THE LIGHTING DESIGN PACKAGE. THESE INCLUDE, BUT ARE NOT LIMITED TO, STAMPED ELECTRICAL DRAWINGS, STAMPED POLE BASE DRAWINGS, AND PROFESSIONAL SURVEYS.
- SHOULD STAMPED PHOTOGRAPHIC DRAWINGS BE REQUIRED, CONTRACTOR SHALL ENGAGE LOCAL ENGINEER OR LIGHTING DESIGNER TO PROVIDE STAMP ON GMR PHOTOGRAPHIC DRAWINGS.
- CONTRACTOR SHALL PROVIDE THE BANNING CENTER NOTIFICATION AT LEAST ONE WEEK IN ADVANCE OF VISITING SITES OR STARTING WORK.
- CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS FOR FIXTURES PRIOR TO PLACEMENT OF FIXTURE ORDERS.
- CONTRACTOR TO VERIFY LIGHTING CONTROLS PRIOR TO BEGINNING CONSTRUCTION. SEE LIGHTING CONTROL NOTES.
- CONTRACTOR SHALL RECEIVE FORMAL APPROVAL FROM GMR ON ANY FIXTURE MODIFICATIONS OR VARIATIONS FROM THE LUMINAIRE SCHEDULE.
- CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED FIXTURE MOUNTING CONDITIONS IN FIELD. ANY SPECIAL MOUNTING HARDWARE NEEDED FOR PROPOSED FIXTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL SUPPLY ALL NEW LIGHT POLES. NEW LIGHT POLES SHALL MATCH EXISTING CONDITIONS ON SITE FOR POLE TYPE AND PAINT COLOR.
- CONTRACTOR SHALL ORDER ALL FIXTURES FROM BORDER STATES IN ACCORDANCE WITH BANK OF AMERICA NATIONAL ACCOUNT CONTRACT NATIONAL ACCOUNT NOTES (REMARKS) AT BORDER STATES (TEXAS, OKLAHOMA, AND NEW YORK).
- CONTRACTOR SHALL PERFORM ALL NECESSARY PATCHING OR REPAIRING FOR HOLES, REMOVED, OR REPLACED FIXTURES.
- CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS BACK TO EXISTING CONDITION INCLUDING PAVED AREAS, LANDSCAPED AREAS, ETC.
- CONTRACTOR SHALL VERIFY AND DOCUMENT COMPLETED WORK DURING NIGHT HOURS. ALL FIXTURES MUST BE FUNCTIONAL DURING NIGHT HOURS PRIOR TO SCHEDULING A FINAL SURVEY WITH GMR.
- CONTRACTOR SHALL PROVIDE BEFORE AND AFTER NIGHT TIME PHOTOS OF THE SITE.
- CONTRACTOR SHALL UTILIZE THE "JOB LEAD" PROTECTIVE SITE SURVEY FORM TO DOCUMENT THE EXACT DETAILS OF EACH FIXTURE BEING REMOVED FOR REBATE AND ENERGY SAVINGS CALCULATION PURPOSES.
- CONTRACTOR SHALL RECEIVE A PURCHASE ORDER FROM GMR UPON FINAL SURVEY FOR ANY REMAINING ITEMS TO BE COMPLETED.

#### CONTROLS & ADDITIONAL NOTES:

##### LIGHTING CONTROL NOTES:

THE CONTRACTOR SHALL VERIFY THE CONTROLS FOR ALL EXTERIOR LIGHTING AND ATM/HAZARD INTERIOR LOBBIES ON THE SITE (EXCLUDING SIGNAGE) AND ADJUST ACCORDING TO THE FOLLOWING:

- IC3 CONTROL:**  
CONTRACTOR SHALL VERIFY THAT EXTERIOR LIGHTING CIRCUITS ARE CONTROLLED BY THE CORRECT IC3 CIRCUIT. WHERE EXTERIOR LIGHTING IS INCLUDED ON CONTROL CIRCUITS FOR INTERIOR SYSTEMS, INTERIOR LIGHTING, OR EXTERIOR SIGNAGE, CONTRACTOR SHALL ADJUST EXTERIOR LIGHTING TO THE CORRECT CONTROL CIRCUIT AS REQUIRED.
- PHOTOCELL CONTROL:**  
CONTRACTOR SHALL REPLACE EXISTING PHOTOCELLS WITH NEW AND INSTALL IN A LOCATION BEST SUITED TO PROVIDE APPROPRIATE LIGHT EXPOSURE SUCH THAT EXTERIOR LIGHTS ARE ON DURING DARKNESS.
- TIME CLOCK CONTROL:**  
CONTRACTOR SHALL VERIFY LOCATION OF TIME CLOCK. IF TIME CLOCK IS IN ELECTRICAL ROOM ADJACENT WITH IC3 CONTROL, CONTRACTOR SHALL ADJUST CIRCUIT TO BE CONTROLLED BY IC3 EXTERIOR LIGHTING CONTROLS. IF TIME CLOCK IS IN A REMOTE LOCATION NOT IN CLOSE PROXIMITY TO THE IC3 CONTROL, CONTRACTOR SHALL VERIFY TIME CLOCK IS SET PROPERLY AND LEAVE CIRCUIT ON TIME CLOCK CONTROL.
- MANUAL CONTROL:**  
CONTRACTOR SHALL VERIFY THAT NO EXTERIOR LIGHTING IS CONTROLLED MANUALLY. IF ANY EXTERIOR LIGHTING IS ON A MANUALLY CONTROLLED CIRCUIT, CONTRACTOR SHALL ADJUST TO BE CONTROLLED BY PHOTOCELL OR IC3, WHICHEVER IS MOST ECONOMICALLY ACCOMMODATED.

#### ADDITIONAL CONTRACTOR NOTES:

##### CONSTRUCTION COMPLETION VERIFICATION:

UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE VERIFICATION IN WRITING TO THE BANK OF AMERICA FIRM THAT ALL WORK IS COMPLETE ACCORDING TO THE CONSTRUCTION DOCUMENTS, AND THAT ALL EXTERIOR LIGHTING IS FUNCTIONING DURING NIGHTTIME HOURS. COMPLETION PHOTOS, TAKEN AT NIGHT, SHALL BE PROVIDED IN THE FOLLOWING FORMAT:

PROVIDE A SINGLE DOCUMENT CONTAINING THE FOLLOWING:

- SITE PHOTOS FROM ALL SIDES OF BUILDING
- MINIMUM OF 3 PHOTOS OF EACH COMPLIANCE AREA (ATMS), AFTER-HOUR DEPOSITORIES, ASSOCIATE ENTRY FROM DIFFERENT ANGLES
- MINIMUM OF 2 PHOTOS OF ALL NON-COMPLIANCE AREAS FROM DIFFERENT ANGLES

##### FIXTURE CLARIFICATION NOTES:

1. OUT OF SCOPE: EXISTING FIXTURES TO REMAIN ON SITE WITHOUT MODIFICATION. NO ACTION REQUIRED UNLESS NOTED OTHERWISE.

2. REMOVE AND PATCH: EXISTING FIXTURES TO BE FULLY REMOVED AND ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY CONTRACTOR.

3. REPLACE EXISTING FIXTURE: EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. CONTRACTOR TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW FIXTURES. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY CONTRACTOR.

4. ADD NEW FIXTURE: NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY CONTRACTOR.

5. ADD NEW POLE & FIXTURE: A NEW POLE AND FIXTURE TO BE ADDED. CONTRACTOR TO SPECIFY POLE TO MATCH EXISTING POLE AND COLOR AND, IF NOT PROVIDED, POLE BASE DATA FOR NEW POLE LOCATIONS. CONTRACTOR TO VERIFY IF POLE AND POLE BASE IS SUFFICIENT FOR THE HEIGHT, LOCATION AND FIXTURE SPECIFIED.

6. GMR DOES NOT SPECIFY MOUNTING HARDWARE FOR ANY SPECIFIED FIXTURES. CONTRACTOR IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.

7. CONTRACTOR TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.

8. CONTRACTOR TO SPECIFY POLE COLOR AND TYPE PRIOR TO ORDERING.

9. CONTRACTOR TO CONFIRM PRIOR TO ORDERING.

GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON A LIMITED AMOUNT OF INFORMATION AVAILABLE TO THE ENGINEER. ALL SUCH CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING THE BID AND ADJUSTED IF NECESSARY. NO ADDITIONAL COMPENSATION SHALL BE AWARDED AFTER AWARDING A BID FOR ANY EQUIPMENT, MATERIAL OR LABOR REQUIRED TO REWORK OR OTHERWISE MODIFY EXISTING CONDITIONS.

2. THIS LIGHTING DESIGN IS BASED ON THE BANK'S CURRENT SECURITY POLICY FOR NON-SECURITY COMPLIANCE ZONES.

3. FROM ALL THEE LANDSCAPING FROM AROUND THE BUILDING, THE BANK'S CURRENT SECURITY POLICY FOR EXTERIOR ATM AND AFTER-HOUR DEPOSITORIES AND BANK GUIDELINES FOR NON-SECURITY COMPLIANCE ZONES.

4. ALL MOUNTING HEIGHTS ARE INTENDED TO THE BOTTOM OF THE FIXTURE.

5. DRAINAGE PROVIDED IS FOR PROPOSED FIXTURE PLACEMENT DIMENSIONS ONLY. UNLESS OTHERWISE NOTED ON THE DRAWING.

6. THE CONTRACTOR SHALL ATTEMPT TO ELIMINATE THE USE OF EXPOSED CONDUIT WHERE POSSIBLE. IF EXPOSED CONDUIT IS NECESSARY, THE CONTRACTOR SHALL VERIFY USE WITH PROJECT MANAGER.

7. ALL EXISTING LIGHTS SHALL BE REPLACED WITH LED LIGHTS AND ALL PROPOSED LIGHTS WILL ALSO BE LED, UNLESS OTHERWISE NOTED.

8. ALL FIXTURES ARE TO BE MOUNTED ABOVE FINISH GRADE.

9. UNLESS OTHERWISE NOTED, MATCH EXISTING POLE BASES.

10. UNLESS OTHERWISE NOTED, MATCH EXISTING POLE BASES.

SITE ABBREVIATIONS:

PL = PROPERTY LINE

AFG = ABOVE FINISHED GRADE

FC = FOOT CANDLE

CBO = CONTROLLED BY OTHERS

AHD = AFTER HOUR DEPOSITORY

NOTE: THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA 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.

#### SITE NOTES:

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

21.

22.

23.

24.

25.

26.

27.

28.

29.

30.

31.

32.

33.

34.

35.

36.

37.

38.

39.

40.

41.

42.

43.

44.

45.

46.

47.

48.

49.

50.

51.

52.

53.

54.

55.

56.

57.

58.

59.

60.

61.

62.

63.

64.

65.

66.

67.

68.

69.

70.

71.

72.

73.

74.

75.

76.

77.

78.

79.

80.

81.

82.

83.

84.

85.

86.

87.

88.

89.

90.

91.

92.

93.

94.

95.

96.

97.

98.

99.

100.

101.

102.

103.

104.

105.

106.

107.

108.

109.

110.

111.

112.

113.

114.

115.

116.

117.

118.

119.

120.

121.

122.

123.

124.

125.

126.

127.

128.

129.

130.

131.

132.

133.

134.

135.

136.

137.

138.

139.

140.

141.

142.

143.

144.

145.

146.

147.

148.

149.

150.

151.

152.

153.

154.

155.

156.

157.

158.

159.

160.

161.

162.

163.

164.

165.

166.

167.

168.

169.

170.

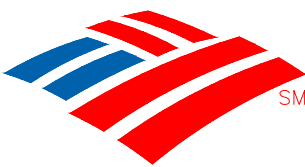
171.

172.

173.

&lt;

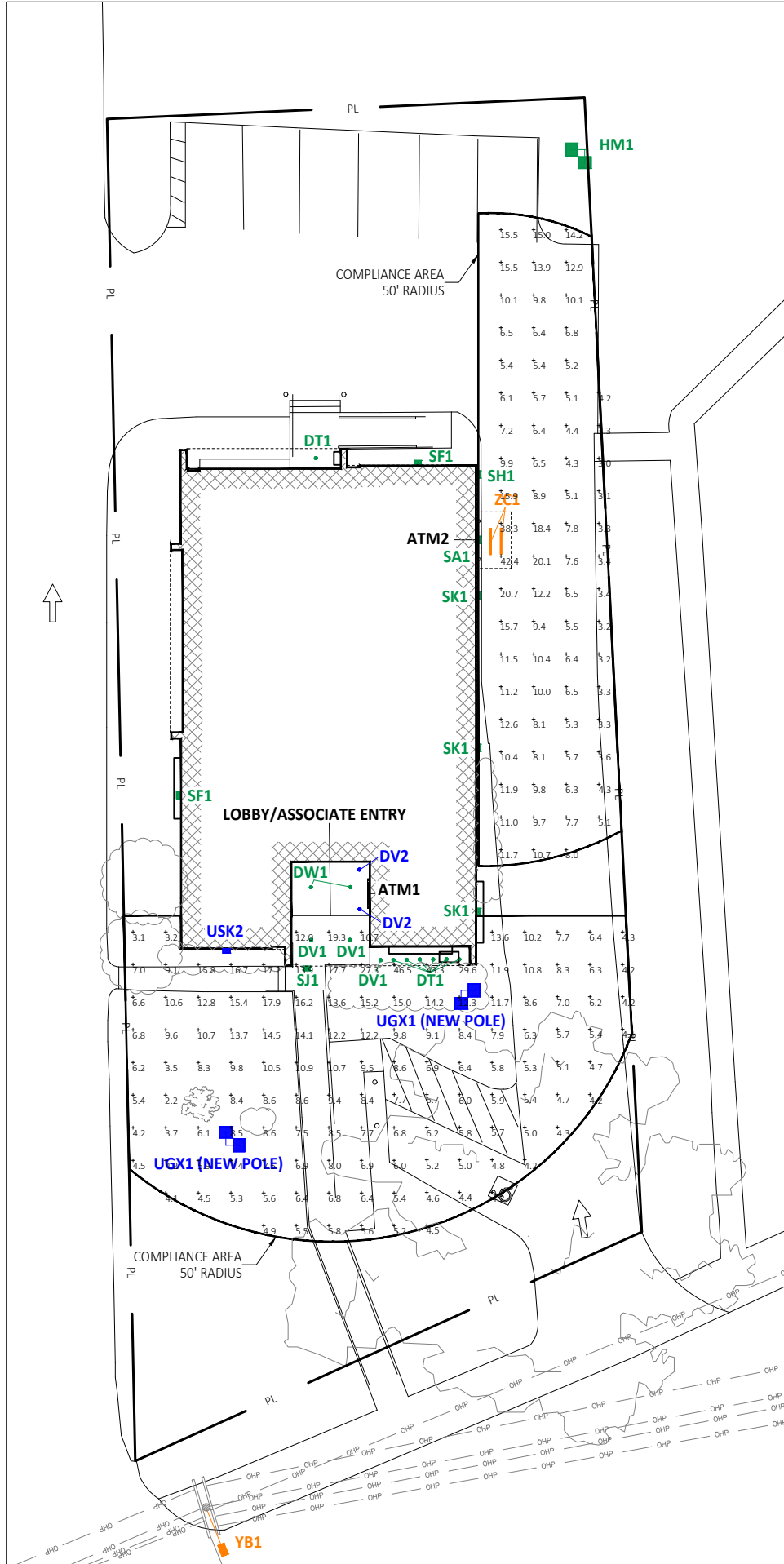




BLUE = NEW FIXTURE  
GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED  
ORANGE = EXISTING FIXTURE TO REMAIN  
TURQUOISE = FIXTURE TO BE REMOVED  
PINK = REPLACE WITH NEW POLE AT NEW HEIGHT  
— = INDICATES NEW SECURITY FENCE  
— PL — = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION

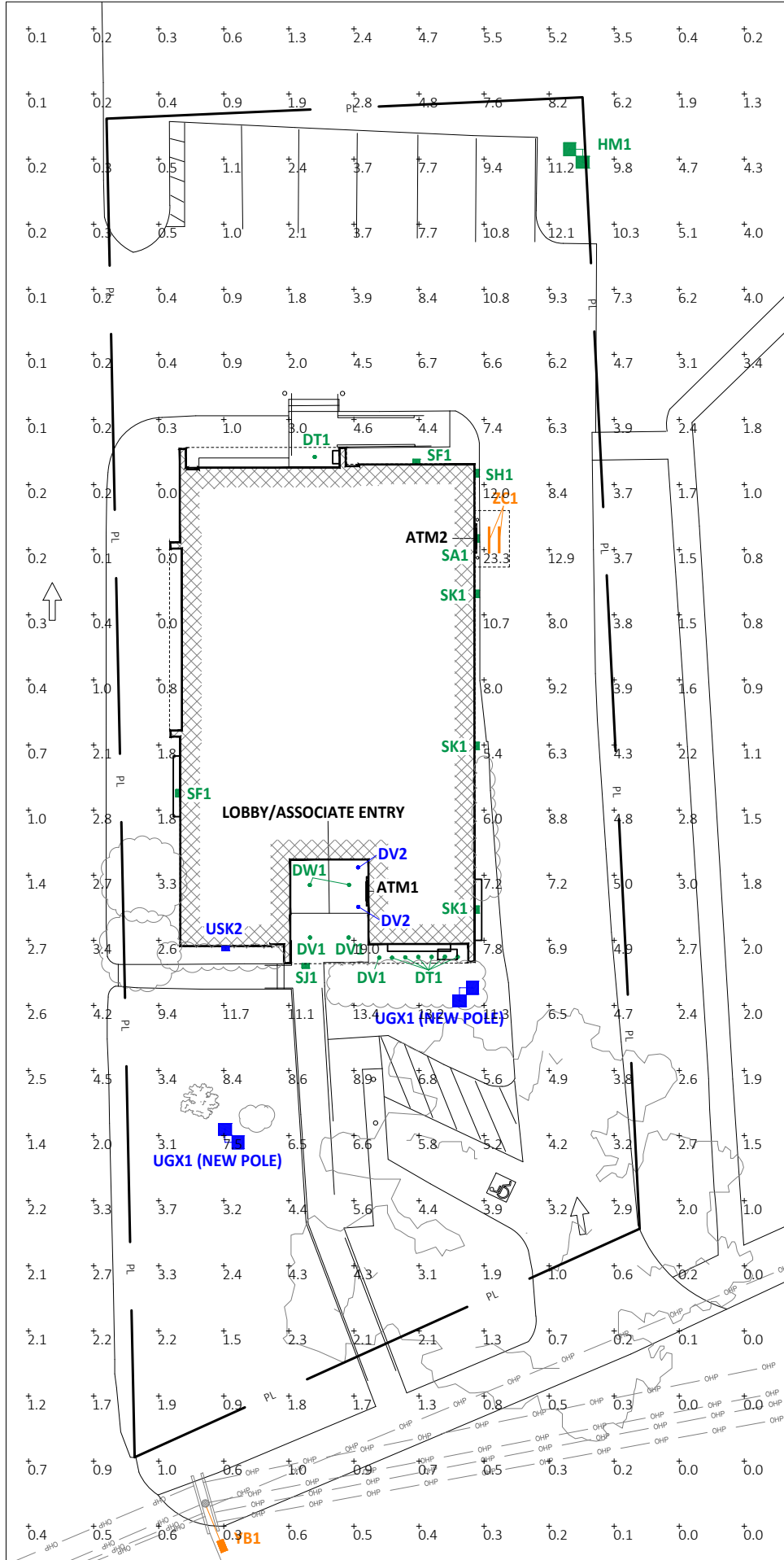


COMPLIANCE AREA



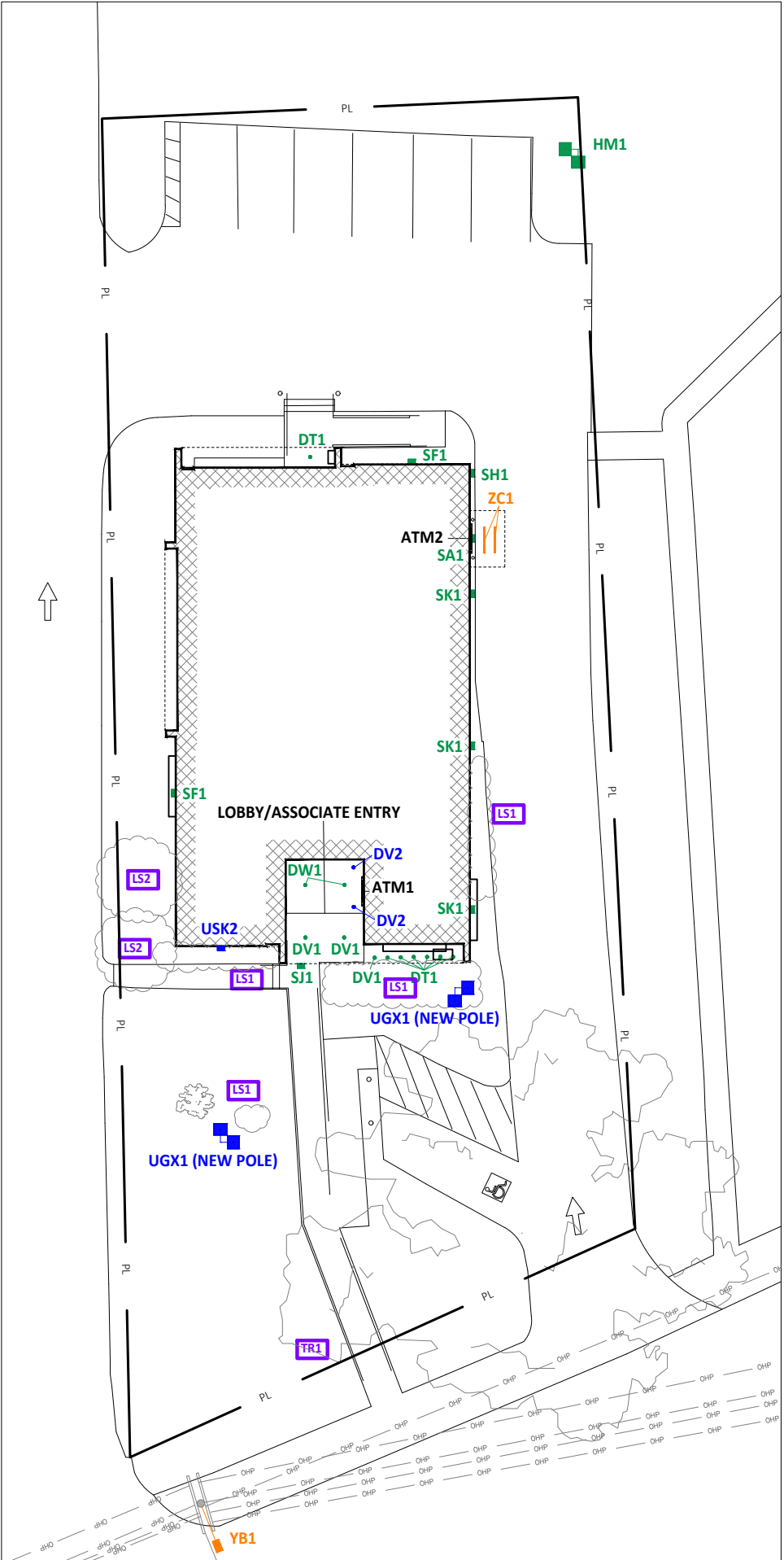
SCALE: 1/2" = 1'-0"

FULL SITE CALCS



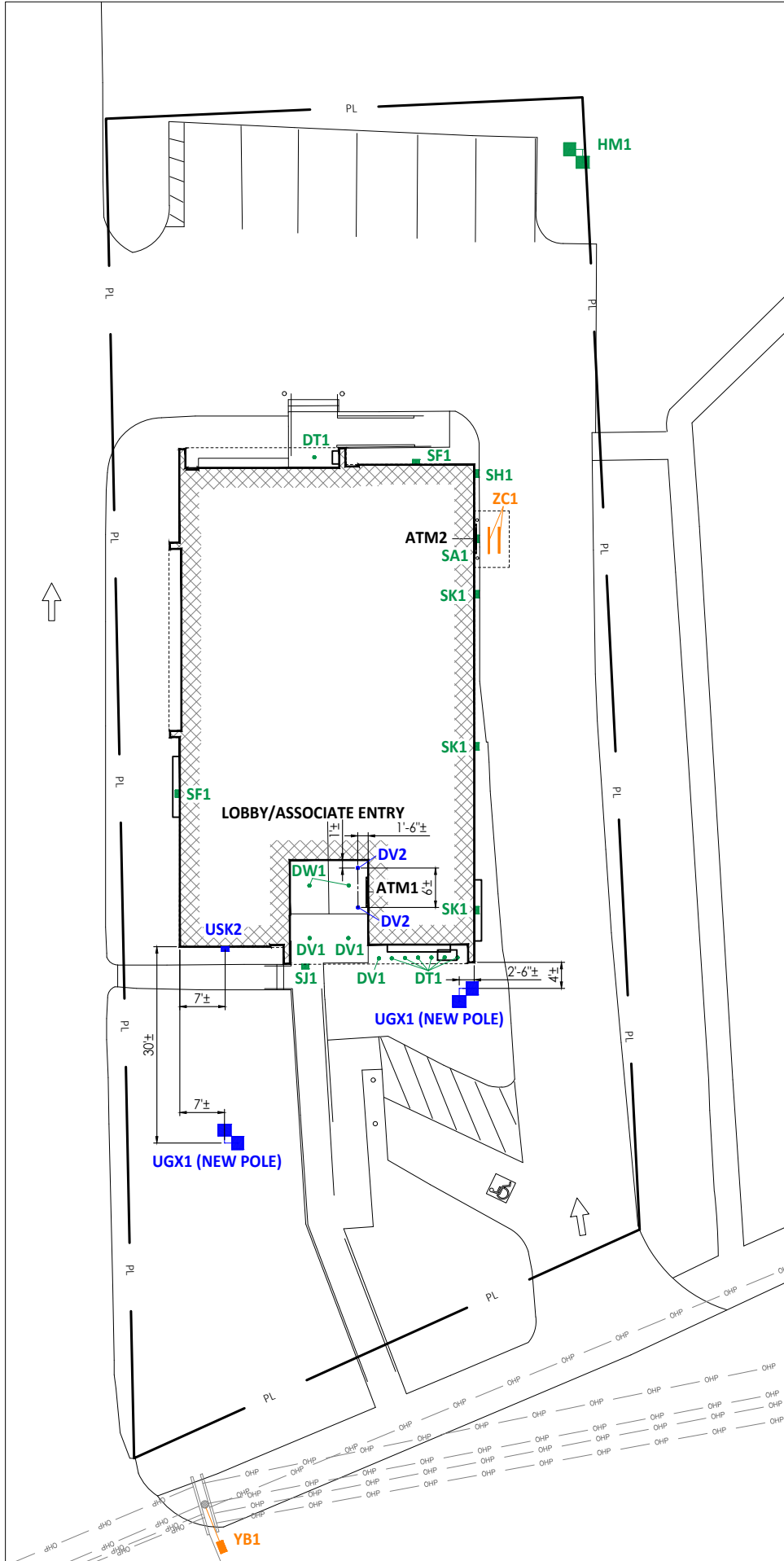
SCALE: 1/2" = 1'-0"

LANDSCAPE



SCALE: 1/2" = 1'-0"

DIMENSIONS



SCALE: 1/2" = 1'-0"

QTY	LABEL	NOTES	MOUNTING HEIGHT
7	UDT1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	UDV1	REPLACE EXISTING FIXTURE	MATCH EXISTING
2	UDV2	ADD NEW FIXTURE - MATCH EXISTING CANOPY HEIGHT	8' AFG
2	UDW1	REPLACE EXISTING FIXTURE	MATCH EXISTING
2	UGK1 (NEW POLE)	ADD NEW POLE AND FIXTURE	20' AFG
1	UHM1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	USA1	REPLACE EXISTING FIXTURE	MATCH EXISTING
2	USF1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	USH1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	USI1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	USK1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	USK2	ADD NEW FIXTURE	21' AFG
1	YB1	OUT OF SCOPE	-
2	ZC1	OUT OF SCOPE	-

UNIT CALCS 50'							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ATM2 50' @ 36"	Illuminance	Fc	9.26	42.4	3.0	3.09	14.13
LOBBY 50' @ 36"	Illuminance	Fc	8.99	46.5	2.2	4.09	21.14
NOTES: 1. READINGS ARE MEASURED AT 36" (3') ABOVE GRADE.							

FULL SITE CALCS							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
FULL SITE @ GRADE	Illuminance	Fc	9.38	23.3	0.0	N.A.	N.A.
NOTES: 1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS. 2. REFERENCE THE LUMINAIRE SCHEDULE FOR ADDITIONAL LIGHT FIXTURE INFORMATION.							

SITE NOTES:	
-	
EXISTING CONDITIONS:	
1. EXISTING POLES - DECORATIVE - STEEL 2. EXISTING POLE BASES - 12" 3. EXISTING DRIVE THRU CEILING - N/A	

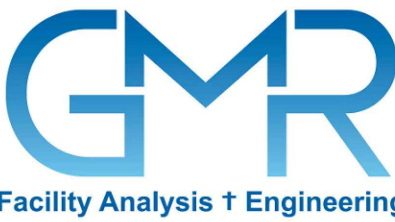
LANDSCAPE SCHEDULE		CM = CRAPE MYRTLE	UNK = UNKNOWN
SYMBOL	QTY	NOTES	
TR1	1	TRIM TREE UP TO 15' AND AWAY FROM LIGHT FIXTURE TO ENSURE THAT IT DOES NOT INTERFERE WITH INTENDED ILLUMINATION	
LS1	-	TRIM LANDSCAPING DOWN TO 36"	
LS2	2	REMOVE LANDSCAPING AND REPLACE WITH LANDSCAPING THAT CAN BE MAINTAINED AT 36"	
GC TO VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION ON TREE TRIMMING AND/OR REMOVAL PRIOR TO COMMENCING WORK			

NOTE: THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA 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.

N.T.S.

v3 220419

REVISION NO.	DESCRIPTION	REVISED BY
1		KRM
2		
3		



Wilton  
CT2-255  
117 Old Ridgefield Rd  
Wilton, CT

SITE DETAILS

DESIGN BY:	JDH	DRAWN BY:	RCS
REVIEWED BY:	AJH	APPROVED BY:	KRM

SHEET NO.

LU-1