



# **Historic Resources Commission**

## **Meeting Agenda**

August 9, 2016 at 6:00pm  
Council Chambers, 201 S Main St

1. Pledge of Allegiance and opening invocation.
2. Approve minutes of the July 12, 2016 meeting.
3. COA1606 Bank Maintenance, an application to install three metal light poles.

*A complete agenda packet is available at [www.cityofgraham.com](http://www.cityofgraham.com)*



# Application for a CERTIFICATE OF APPROPRIATENESS

P.O. Drawer 357  
201 South Main Street  
Graham, NC 27253  
(336) 570-6705  
Fax (336) 570-6703  
www.cityofgraham.com

The Historic Resources Commission (HRC) processes applications for Certificates of Appropriateness for (1) any changes in the external appearance of existing structures; (2) design of new structures; and (3) demolition of existing structures, within locally designated historic districts or landmarks. Regulations for Certificates of Appropriateness can be found in Article IV, Division 10, Historic Resources, of the *Development Ordinance*.

## Property

Street Address: \_\_\_\_\_

Property Owner: \_\_\_\_\_

## Project

General description of each modification or improvement:

If a site plan is required, has it been submitted?  Yes  No

Is there any approval pending by any other regulatory or administrative authority which may have a bearing on the proposed project?  Yes  No If yes, please specify:

**EXHIBITS:** This application **must be accompanied** by sketches, drawings, photographs, specifications, descriptions, etc. of the proposed project, which must be sufficiently detailed for the Commission to evaluate the proposal. **See the back of this application for a checklist of required exhibits.** There are 5 for signs, 6 for minor alterations, and 10 for new construction, additions or major alterations.

## Applicant

Name: \_\_\_\_\_

Property Owner  Lessee Other \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone # \_\_\_\_\_

Email: \_\_\_\_\_

I, the applicant, hereby make application for a Certificate of Appropriateness for a  Sign  Minor Alteration  New Construction, Addition or Major Alteration

I, the applicant, understand that this application cannot be processed unless and until it is complete, including all required exhibits, and it has been submitted at least 10 calendar days before the Commission meeting.

\_\_\_\_\_  
Signature of Applicant Date

\_\_\_\_\_  
Signature of Owner, when applicable Date

## Representation at HRC Meeting

Who will represent the applicant at the HRC meeting?  
*Should have the authority to commit the applicant to make changes that may be suggested or required by the Commission.*

Name: \_\_\_\_\_

Relationship to Applicant: \_\_\_\_\_

Phone # \_\_\_\_\_

Email: \_\_\_\_\_

FOR OFFICE USE ONLY	
Received by:	Remarks:
Received date:	
Tax Map #	
HRC date:	

## Exhibits Required for an Application for a Certificate of Appropriateness

- 1. **A location or vicinity map** clearly showing the location of the project within the immediate neighborhood.
- 2. **Current color photographs** of the property showing its present condition, which accurately represents the existing material, colors and textures. In addition, color photographs of all adjacent sites, buildings and other improvements clearly showing the style and character of the area. Such photographs shall accurately represent all colors and textures of the various materials of adjacent improvements. All photographs shall be labeled to indicate the direction of view.

### for Signs

- 3. **Colored elevations**, drawn to scale, showing the size of the sign in relation to the building, the location of the sign, all details of construction, colors and textures; complete with dimensions showing ground clearance, length, height, width and projection.
- 4. **A large scale drawing** showing the size of the sign, details of construction, materials, colors, lighting, size-style and spacing of letters, method of support, and proposed materials and finishes, noted and keyed to the physical samples required in Exhibit 5.
- 5. **Physical samples** of all materials proposed for use on the sign, labeled and keyed to the large scale drawing required in Exhibit 4.

#### *\*Types and kinds of improvements to be considered minor:*

1. Repainting resulting in a different color.
2. Addition or deletion of awnings, shutters, canopies and similar appurtenances.
3. Application or use of exterior materials of a different kind, type, color or texture than those already in use, which will substantially cover one or more sides of the structure. This provision applies to roofing as well as siding.
4. All improvements, alterations and renovations which can be accomplished without obtaining a building permit.
5. Outside storage which does not require structure changes, such as a car sales lot.

#### *^Types and kinds of improvements to be considered major:*

1. Construction of a new building or auxiliary structure.
2. Any addition or alteration of an existing structure which increases the square footage in that structure or otherwise alters its size, height, contour or outline.
3. Change or alteration of a structure's architectural style.
4. Addition or removal of one or more stories.
5. Alteration of a roof line.
6. Landscaping.
7. All other items as defined in the ordinance.

### for Minor\* and New/Major^

- 3. **Colored elevations**, drawn to scale, of all sides showing complete architectural details and including all exterior equipment and appurtenances located on the roof, in the walls and on the ground. All existing and proposed materials and finishes shall be identified, noted on the elevations, and keyed to the samples required in Exhibit 4. Colored elevations shall be prepared at the largest practical scale. *For new/major*, the elevations should show accurately the placement of landscaping elements (showing their size and shape) where they are in close proximity to any structure.
- 4. **Physical samples** of all materials, items or devices to be installed, accurately showing color, texture and scale. All samples shall be identified by listing the manufacturer's name, brand name and manufacturer's color number, and keyed to the elevations required in Exhibit 3.
- 5. **Manufacturer's catalog data** (if applicable) on all mail boxes, trash receptacles or containers, signs, transformers, air conditioning equipment and other visible devices and materials showing size, form, quantity, color, type of material, height, location and method of installation.

### for Minor\*

- 6. **A colored site plan** of the property showing proposed storage area and proposed method of screening. If landscaped, the plan shall define size, location and species of plant material. If other screening is proposed, materials shall be identified, typical samples shall be submitted, and the plan shall show a cross-section of a typical section drawn to scale.

### for New/Major^

- 6. **A site plan** of the property, identical to the site plan required by the Planning Dept.
- 7. **A colored landscaping plan** clearly showing the size, location and species of all plant material. A schedule showing the type of plant, number, size at installation (height and spread), size at maturity (height and spread) and time required to reach maturity. In addition, the plan shall show any exterior lighting, provisions for trash storage and removal, location of air conditioning equipment, transformers, signs, fences or walls, and any other equipment or construction. This plan should be similar in size and scale to the site plan in Exhibit 6.
- 8. **Manufacturer's catalog data** or other material showing each type of exterior light fixture, its size, shape, lighting characteristics, color, type of mounting, type of pole and height of pole-mounted lights.
- 9. **A colored perspective rendering** (when requested) showing the form, style and scale of the project, all rooftop equipment and screening proposed, signs, landscaping and other architectural features. Such rendering shall be accurate as to both scale and color of representation.
- 10. **A set of floor plans and details** showing the location of entrances, windows, halls, rooftop equipment, etc.

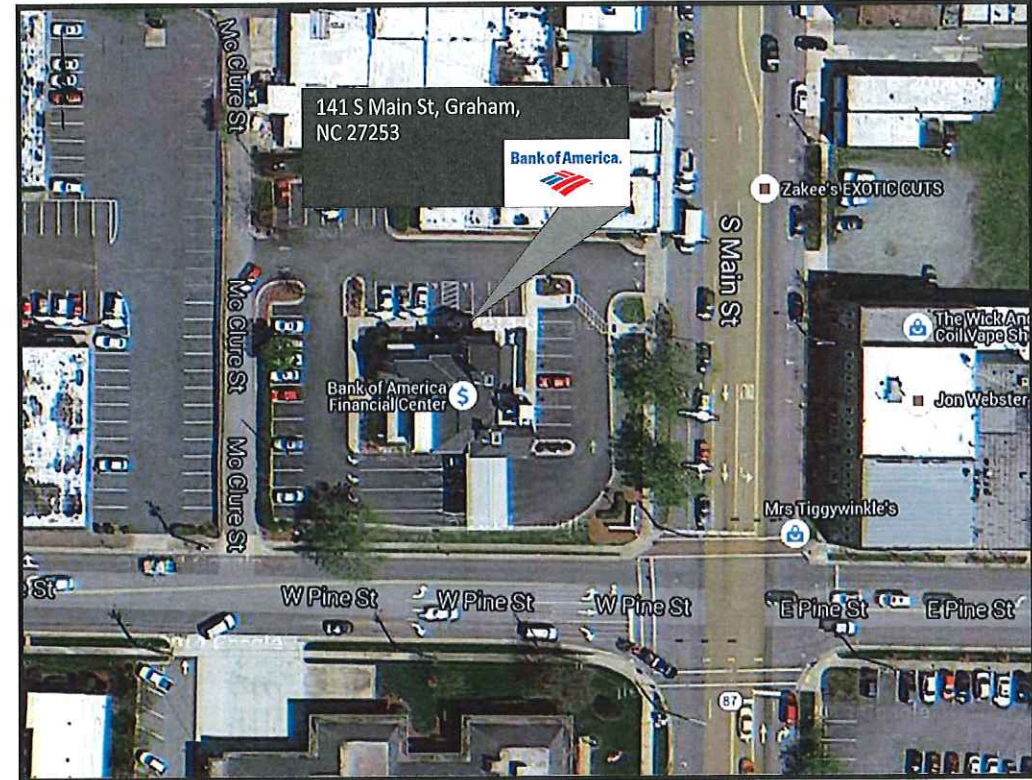


# 2016 EXTERIOR LIGHTING PROGRAM

**NC4-705**  
**141 South Main St.**  
**Graham, NC**

DRAWING INDEX:

- COVER SHEET
- LU-1 GENERAL NOTES
- LU-2 LUMINAIRE SCHEDULE
- LU-3 OVERALL SITE PLAN
- LU-4 FIXTURE REMOVAL PLAN
- LU-5 DIMENSIONING PLAN
- LU-6 ATM COMPLIANCE AREA PHOTOMETRIC PLAN AT 36"
- LU-7 FULL SITE PHOTOMETRIC PLAN AT GRADE
- LU-8 LANDSCAPING PLAN



**VICINITY MAP**

**REVIEW AND  
APPROVAL SET  
IFP 1 160419**



Facility Data and Design. Optimized.

P.O. Box 645, Rockwall, Texas 75087  
www.gmr1.com  
Office: (972) 771-6038 FAX: (972) 722-2762



**CONTRACTOR RESPONSIBILITY NOTES:**

1. 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.
2. 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.
3. SHOULD STAMPED PHOTOMETRIC DRAWINGS BE REQUIRED, CONTRACTOR SHALL ENGAGE LOCAL ENGINEER OR LIGHTING DESIGNER AS REQUIRED TO PROVIDE STAMP ON GMR PHOTOMETRIC DESIGN DOCUMENTS.
4. CONTRACTOR SHALL PROVIDE THE BANKING CENTER NOTIFICATION AT LEAST ONE WEEK IN ADVANCE OF VISITING SITES OR STARTING WORK.
5. CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS FOR FIXTURES PRIOR TO PLACEMENT OF FIXTURE ORDERS.
6. CONTRACTOR TO VERIFY LIGHTING CONTROLS PRIOR TO BEGINNING CONSTRUCTION. SEE LIGHTING CONTROL NOTES.
7. CONTRACTOR SHALL RECEIVE FORMAL APPROVAL FROM GMR ON ANY FIXTURE MODIFICATIONS OR VARIATIONS FROM THE LUMINAIRE SCHEDULE.
8. 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.
9. CONTRACTOR SHALL SUPPLY ALL NEW LIGHT POLES. NEW LIGHT POLES SHALL MATCH EXISTING CONDITIONS ON SITE FOR POLE TYPE AND PAINT COLOR.
10. CONTRACTOR SHALL ORDER ALL FIXTURES FROM SHEALY ELECTRICAL WHOLESALERS IN ACCORDANCE WITH BANK OF AMERICA NATIONAL ACCOUNT.
11. CONTRACTOR SHALL PERFORM ALL NECESSARY PATCHING OR REPAINTING FOR ADDED, REMOVED, OR REPLACED FIXTURES.
12. CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS BACK TO EXISTING CONDITION INCLUDING PAVED AREAS, LANDSCAPED AREAS, ETC.
13. 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.
14. CONTRACTOR SHALL PROVIDE BEFORE AND AFTER NIGHT TIME PHOTOS OF THE SITE.
15. CONTRACTOR SHALL UTILIZE THE "BOA ELP INCENTIVE SITE SURVEY FORM" TO DOCUMENT THE EXACT DETAILS OF EACH FIXTURE BEING REMOVED FOR REBATE AND ENERGY SAVINGS CALCULATION PURPOSES.
16. CONTRACTOR SHALL RECEIVE A PUNCHLIST 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 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 ALONG WITH IC3 CONTROLS, 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 CONTROLS, 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 ACCOMPLISHED.

**ADDITIONAL CONTRACTOR NOTES:**

**CONSTRUCTION COMPLETION VERIFICATION**

UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE VERIFICATION IN WRITING TO THE BANK OF AMERICA PJM 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 (ATM(S), NIGHT DROP, 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 GC.
3. REPLACE EXISTING FIXTURE - EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. GC 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 GC.
4. REMOVE EXISTING POLE & FIXTURES - INSTALL NEW POLE & FIXTURES AT DIFFERENT HEIGHT - POLE FIXTURES TO BE MOUNTED IN THE SAME LOCATION, BUT WILL EITHER REQUIRE A NEW POLE, POLE AND BASE OR MODIFICATION OF EXISTING POLE TO ACCOMMODATE NEW SPECIFIED HEIGHT. GC TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW HEIGHT AND REPLACE OR MODIFY AS NEEDED. GMR WILL ASSUME A NEW POLE IS NEEDED UNLESS OTHERWISE DIRECTED BY GC.
5. ADD NEW FIXTURE - NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY GC.
6. ADD NEW POLE & FIXTURE - A NEW POLE AND FIXTURE TO BE ADDED. GC TO SPECIFY POLE TO MATCH EXISTING STYLE AND COLOR AND, IF NOT PROVIDED, POLE BASE DATA FOR NEW POLE LOCATIONS. GC TO VERIFY IF POLE AND POLE BASE IS SUFFICIENT FOR THE HEIGHT, LOCATION AND FIXTURE SPECIFIED.
7. GMR DOES NOT SPECIFY MOUNTING HARDWARE FOR ANY SPECIFIED FIXTURES. GC IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.
8. GC TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.
9. GC TO SPECIFY POLE COLOR AND TYPE PRIOR TO ORDERING.
10. ALL FIXTURES ARE ASSUMED BRONZE IN COLOR UNLESS NOTED OTHERWISE IN THE LUMINAIRE SCHEDULE. GC 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 GRANTED AFTER AWARDED A BID FOR ANY EQUIPMENT, MATERIAL OR LABOR REQUIRED TO REWORK OR OTHERWISE MODIFY EXISTING CONDITIONS.
2. THIS LIGHTING DESIGN IS BASED ON A COMBINATION OF STATE STANDARDS, THE BANK'S CURRENT SECURITY POLICY FOR EXTERIOR ATM AND AFTER-HOUR/NIGHT DEPOSITORIES AND BANK GUIDELINES FOR NON-SECURITY COMPLIANCE ZONES.
3. TRIM ALL TREES/LANDSCAPING TO MINIMIZE IMPEDING LIGHT FROM ANY LIGHT FIXTURES THAT IMPACT THE 60' RADIUS AROUND ALL ATMS AND A RADIUS OF 50' AROUND ALL AFTER-HOUR/NIGHT DEPOSITORIES. CONSIDERATION MUST BE GIVEN TO TREES/LANDSCAPING IN A STATE OF FULL FOLIAGE/BLOOM AND FUTURE GROWTH. ALL LANDSCAPING WORK WILL BE PERFORMED BY OTHERS WITH A SEPARATE PERMIT (IF REQUIRED).
4. ALL MOUNTING HEIGHTS ARE INTENDED TO THE BOTTOM OF THE FIXTURE.
5. CONTRACTOR TO FIELD VERIFY FIXTURE PLACEMENT DIMENSIONS PRIOR TO CONSTRUCTION.
6. DIMENSIONING PROVIDED IS FOR PROPOSED FIXTURE LOCATIONS ONLY, UNLESS OTHERWISE NOTED ON THE DRAWING.
7. 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.
8. ALL EXISTING LIGHTS WILL BE REPLACED WITH LED LIGHTS AND ALL PROPOSED LIGHTS WILL ALSO BE LED, UNLESS OTHERWISE NOTED.
9. ALL FIXTURES ARE TO BE MOUNTED ABOVE FINISH GRADE.

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.

**Bank of America**



**REVIEW AND APPROVAL SET IFP 1 160419**

REVISION NO.	DESCRIPTION	REVISED BY



**Graham Main - Relocation  
NC4-705  
141 South Main St.  
Graham, NC**

**GENERAL NOTES**

DESIGN BY:	KRM	DRAWN BY:	JSR
REVIEWED BY:	ABH	APPROVED BY:	KFB

SHEET NO. **LU-1**





BLUE = NEW FIXTURE  
 GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED  
 PINK = REPLACED WITH NEW POLE AT NEW HEIGHT AND/OR ARRANGEMENT  
 ORANGE = EXISTING FIXTURE TO REMAIN  
 TURQUOISE = FIXTURE TO BE REMOVED

LUMINAIRE SCHEDULE		**SEE FIXTURE CLARIFICATION NOTE #10			(NH-A) = NEW HEIGHT & NEW ARRANGEMENT (NP) = NEW POLE (A) = NEW ARRANGEMENT (NH) = NEW POLE HEIGHT			
SYMBOL	QTY	LABEL	FIXTURE ARRANGEMENT	TOTAL FIXTURE COUNT	NEW POLE COUNT	FIXTURE TYPE / MOUNTING / MANUFACTURER	MOUNTING HEIGHT	NOTES
	8	BN1	SINGLE	8	-	(BN) CPY250-A-DM-F-C-UL-WH-40K / CANOPY MOUNT / CREE	MATCH EXISTING	REPLACE EXISTING FIXTURE
	1	CA1	SINGLE	1	-	(CA) LR6C / CANOPY MOUNT / CREE	MATCH EXISTING	REPLACE EXISTING FIXTURE
	3	FJ1	SINGLE	3	-	(FJ) FLD-EDG-40-AA-02-E-UL-BZ-350-40K / FLOOD LIGHT / CREE	-	REPLACE EXISTING FIXTURE - AIM AT BUILDING
	3	GE1 (NP)	SINGLE	3	3	(GE) OSQ-DA-BZ+OSQ-BLSMF-A-NM-4ME-A-40K-UL-BZ / POLE MOUNT / CREE	20' AFG	ADD NEW POLE AND FIXTURE
	2	GM1 (NP)	DOUBLE (2@90°)	4	2	(GM) OSQ-DA-WH+OSQ-A-NM-5SH-J-40K-UL-WH / POLE MOUNT / CREE	20' AFG	ADD NEW POLE AND FIXTURE
	2	R1	SINGLE	-	-	EXISTING WALL FIXTURE	-	REMOVE AND PATCH
	3	R2	SINGLE	-	-	EXISTING CAN LIGHT	-	REMOVE AND PATCH
	6	X1	SINGLE	-	-	EXISTING DECORATIVE FIXTURE	-	WASH AND RELAMP
	3	X2	SINGLE	-	-	EXISTING DECORATIVE PENDANT FIXTURE	-	WASH AND RELAMP
	5	X3	SINGLE	-	-	EXISTING DECORATIVE POLE LIGHT	-	WASH AND RELAMP

**REVIEW AND APPROVAL SET  
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Graham Main - Relocation  
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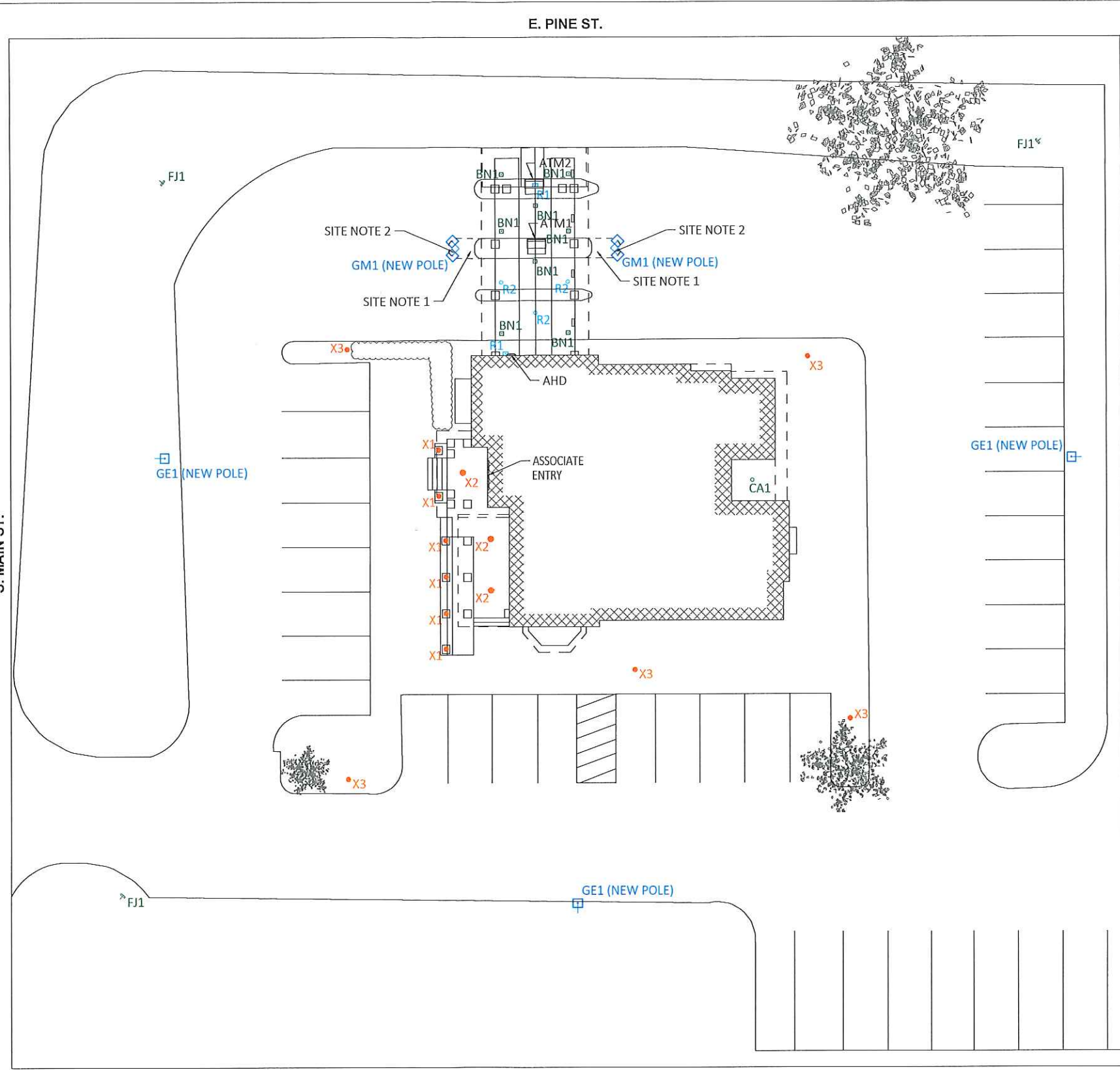
**LUMINAIRE SCHEDULE**

DESIGN BY:	KRM	DRAWN BY:	JSR
REVIEWED BY:	ABH	APPROVED BY:	KFB

SHEET NO. **LU-2**

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 LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

QTY	LABEL	NOTES	MOUNTING HEIGHT
8	BN1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	CA1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	FJ1	REPLACE EXISTING FIXTURE - AIM AT BUILDING	-
3	GE1 (NP)	ADD NEW POLE AND FIXTURE	20' AFG
2	GM1 (NP)	ADD NEW POLE AND FIXTURE	20' AFG
2	R1	REMOVE AND PATCH	-
3	R2	REMOVE AND PATCH	-
6	X1	WASH AND RELAMP	-
3	X2	WASH AND RELAMP	-
5	X3	WASH AND RELAMP	-



BLUE = NEW FIXTURE  
 GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED  
 PINK = REPLACED WITH NEW POLE AT NEW HEIGHT AND/OR ARRANGEMENT  
 ORANGE = EXISTING FIXTURE TO REMAIN  
 TURQUOISE = FIXTURE TO BE REMOVED

N. T. S.  
**REVIEW AND APPROVAL SET**  
**IFP 1 160419**

REVISION NO.	DESCRIPTION	REVISED BY



**Graham Main - Relocation**  
**NC4-705**  
**141 South Main St.**  
**Graham, NC**

**OVERALL SITE PLAN**

DESIGN BY: KRM	DRAWN BY: JSR
REVIEWED BY: ABH	APPROVED BY: KFB

SHEET NO. **LU-3**

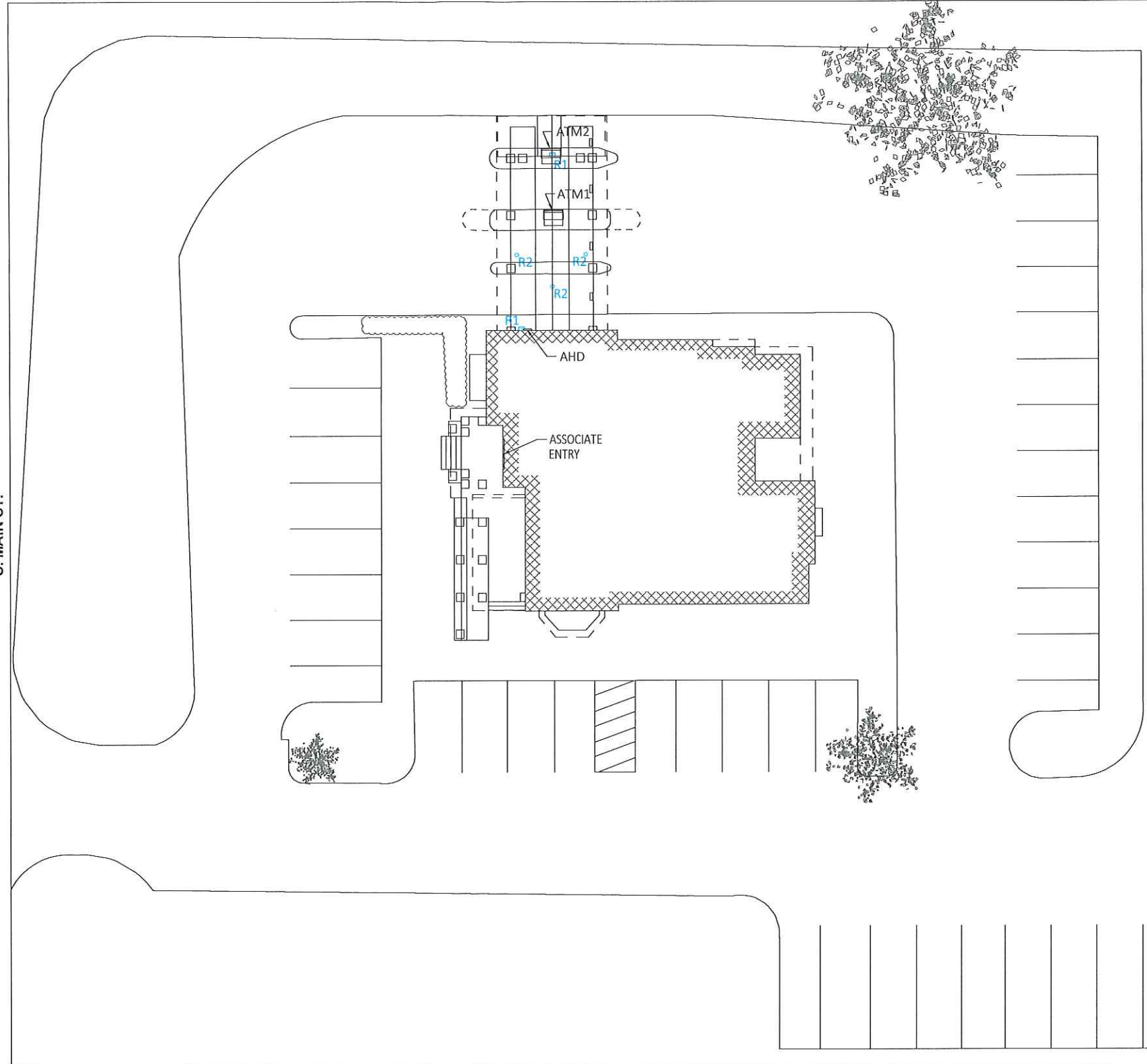
SITE NOTES:  
 1. EXTEND ISLAND BEYOND POLE, AS SHOWN.  
 2. GM1 POLES ARE TO BE WHITE IN COLOR

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.

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QTY	LABEL	NOTES	MOUNTING HEIGHT
8	BN1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	CA1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	FJ1	REPLACE EXISTING FIXTURE - AIM AT BUILDING	-
3	GE1 (NP)	ADD NEW POLE AND FIXTURE	20' AFG
2	GM1 (NP)	ADD NEW POLE AND FIXTURE	20' AFG
2	R1	REMOVE AND PATCH	-
3	R2	REMOVE AND PATCH	-
6	X1	WASH AND RELAMP	-
3	X2	WASH AND RELAMP	-
5	X3	WASH AND RELAMP	-

S. MAIN ST.



Bank of America®



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N. T. S.

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REVISION NO.	DESCRIPTION	REVISION BY



Facility Data and Design. Optimized.

**Graham Main - Relocation**  
**NC4-705**  
**141 South Main St.**  
**Graham, NC**

**FIXTURE REMOVAL PLAN**

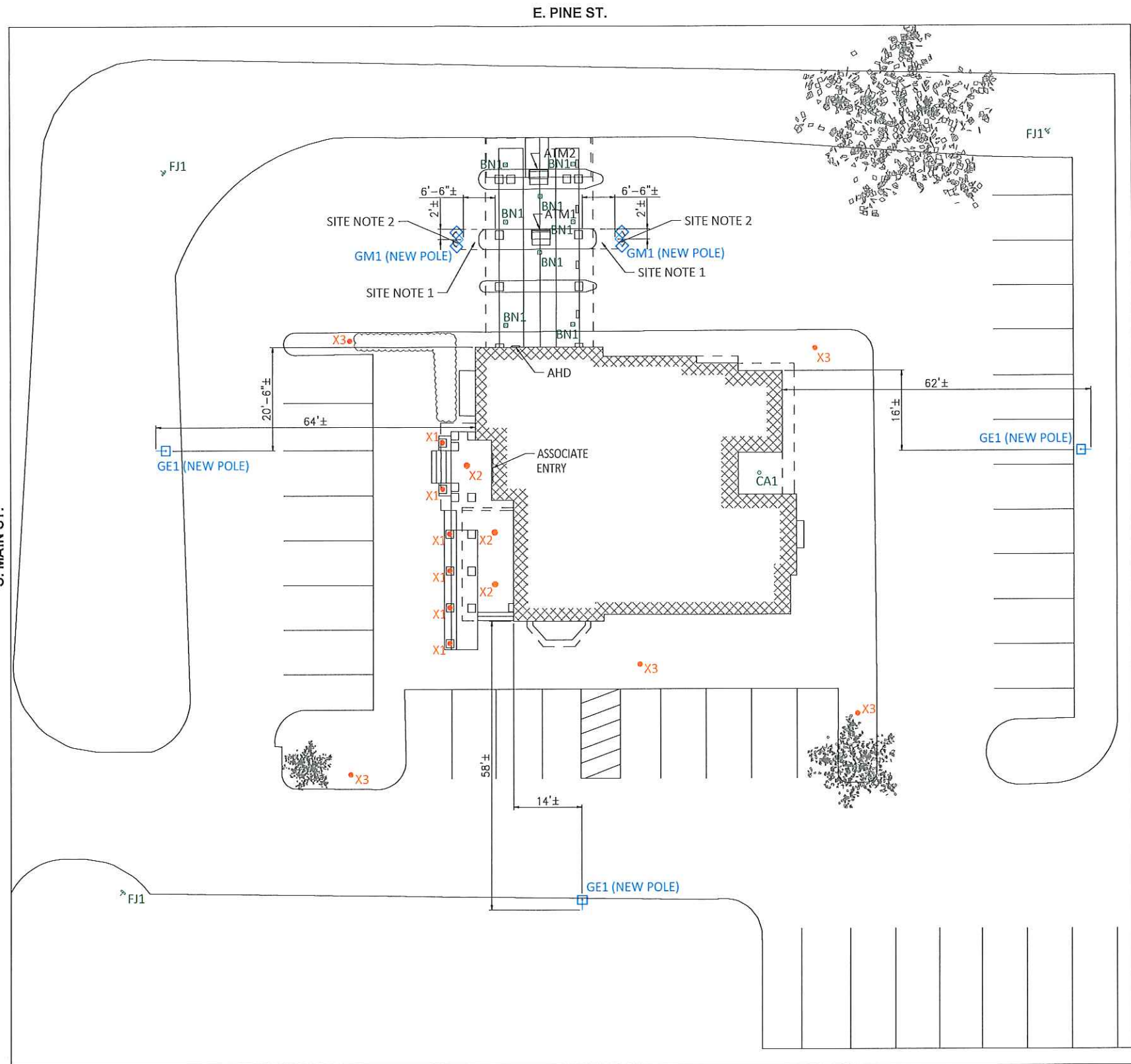
DESIGN BY:	KRM	DRAWN BY:	JSR
REVIEWED BY:	ABH	APPROVED BY:	KFB

SHEET NO. **LU-4**

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.



QTY	LABEL	NOTES	MOUNTING HEIGHT
8	BN1	REPLACE EXISTING FIXTURE	MATCH EXISTING
1	CA1	REPLACE EXISTING FIXTURE	MATCH EXISTING
3	FJ1	REPLACE EXISTING FIXTURE - AIM AT BUILDING	-
3	GE1 (NP)	ADD NEW POLE AND FIXTURE	20' AFG
2	GM1 (NP)	ADD NEW POLE AND FIXTURE	20' AFG
2	R1	REMOVE AND PATCH	-
3	R2	REMOVE AND PATCH	-
6	X1	WASH AND RELAMP	-
3	X2	WASH AND RELAMP	-
5	X3	WASH AND RELAMP	-



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Facility Data and Design. Optimized.

Graham Main - Relocation  
 NC4-705  
 141 South Main St.  
 Graham, NC

DIMENSIONING PLAN

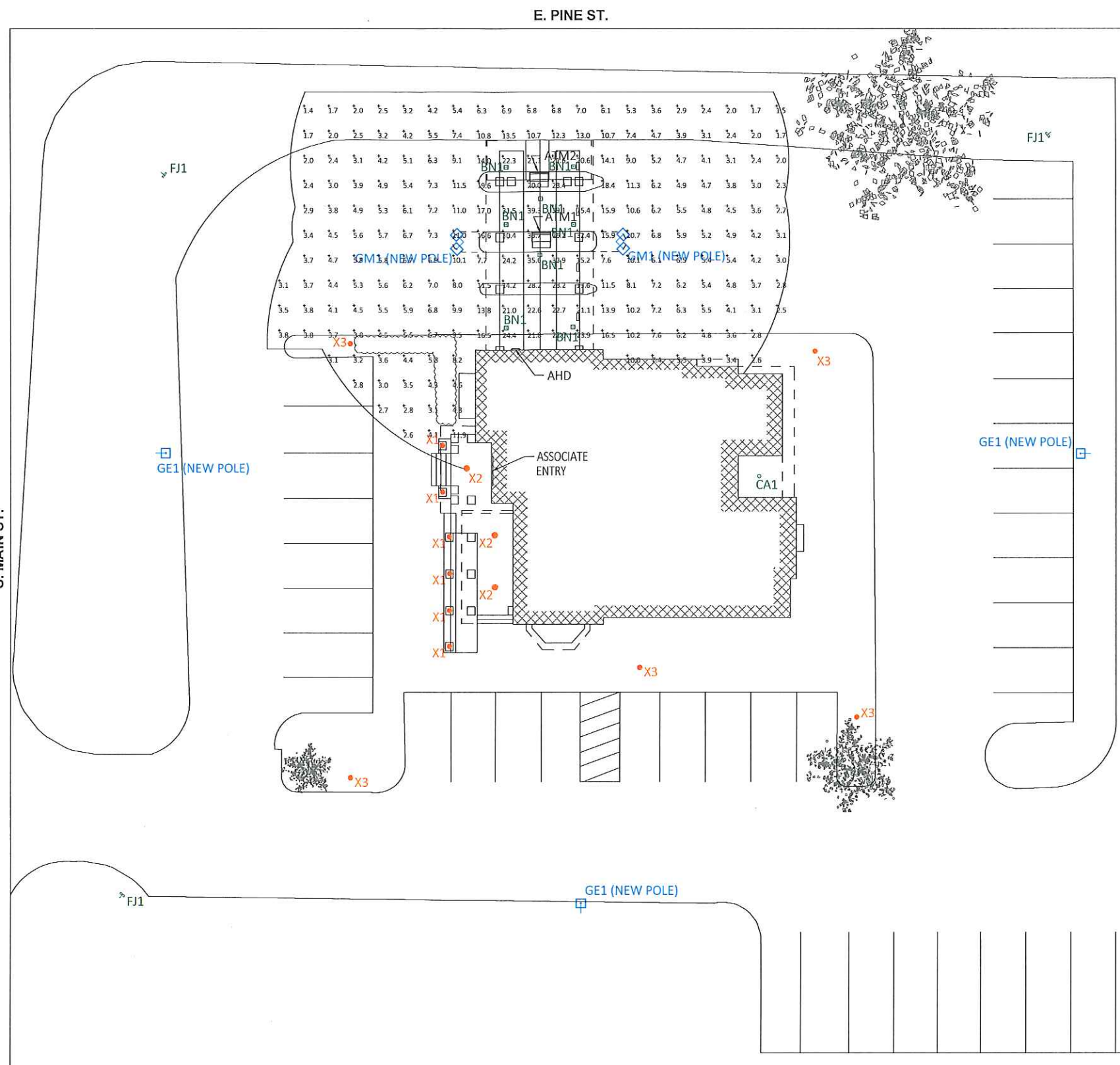
DESIGN BY:	KRM	DRAWN BY:	JSR
REVIEWED BY:	ABH	APPROVED BY:	KFB
SHEET NO.	LU-5		

SITE NOTES:	
1.	EXTEND ISLAND BEYOND POLE, AS SHOWN.
2.	GM1 POLES ARE TO BE WHITE IN COLOR

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.



- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- PINK = REPLACED WITH NEW POLE AT NEW HEIGHT AND/OR ARRANGEMENT
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED



N. T. S.

**REVIEW AND APPROVAL SET**  
**IFP 1 160419**

REVISION NO.	DESCRIPTION	REVISED BY



Facility Data and Design. Optimized.

Graham Main - Relocation  
NC4-705  
141 South Main St.  
Graham, NC

**ATM COMPLIANCE AREA PHOTOMETRIC PLAN**

DESIGN BY:	KRM	DRAWN BY:	JSR
REVIEWED BY:	ABH	APPROVED BY:	KFB

SHEET NO. **LU-6**

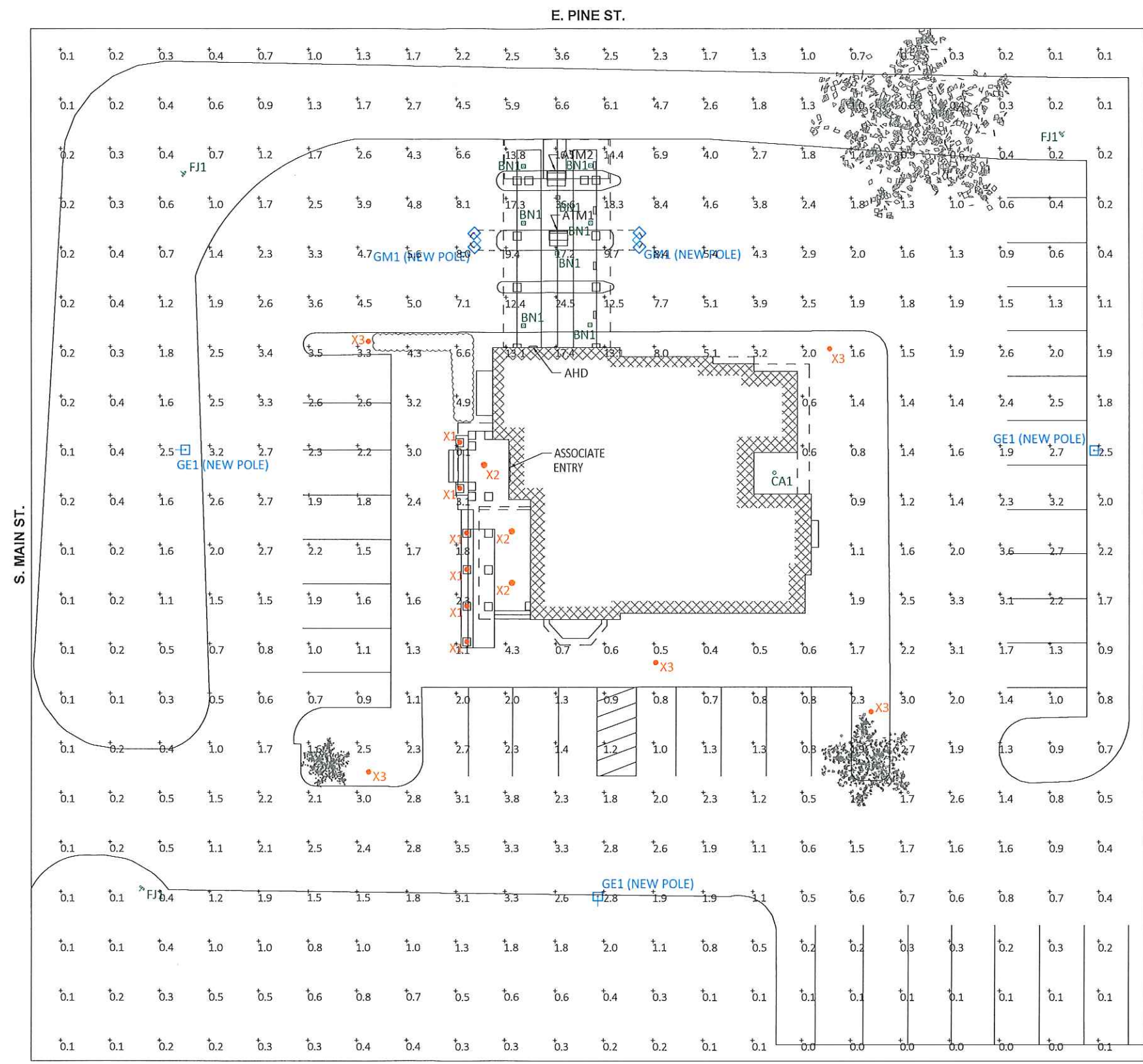
CALCULATION SUMMARY							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
EXPOSURES @ 36"	Illuminance	Fc	8.63	39.3	1.4	6.16	28.07

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 LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.





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**N. T. S.**  
**REVIEW AND APPROVAL SET**  
**IFP 1 160419**

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▲	REVISED XX	KFB
REVISION NO.	DESCRIPTION	REVISED BY



**Graham Main - Relocation**  
**NC4-705**  
**141 South Main St.**  
**Graham, NC**

**FULL SITE PHOTOMETRIC PLAN**

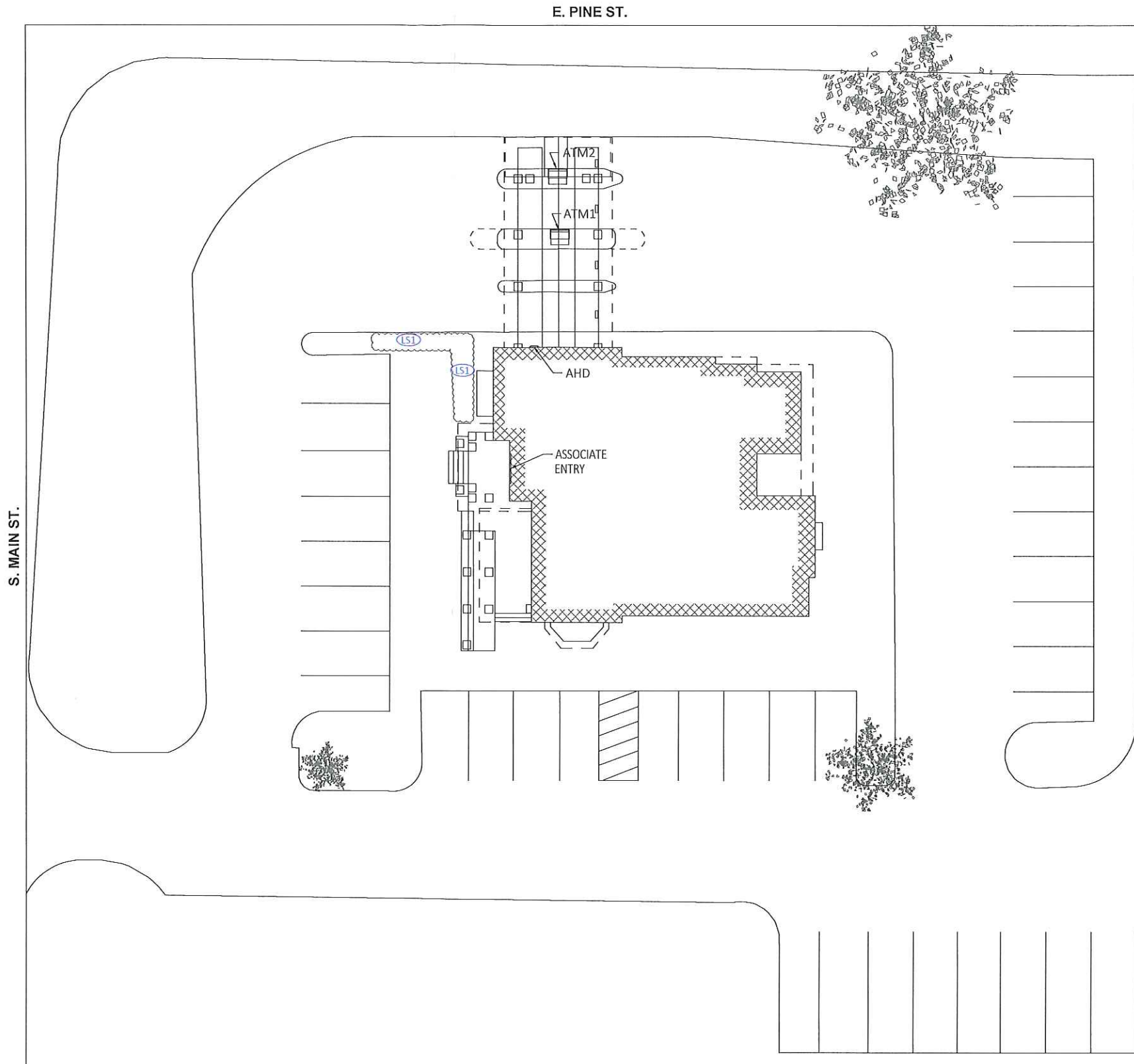
DESIGN BY: KRM	DRAWN BY: JSR
REVIEWED BY: ABH	APPROVED BY: KFB

**LU-7**

CALCULATION SUMMARY							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
FULL SITE @ GRADE	illumiance	Fc	2.15	36.6	0.0	N.A.	N.A.

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.





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 NC4-705  
 141 South Main St.  
 Graham, NC

**LANDSCAPING PLAN**

DESIGN BY:	KRM	DRAWN BY:	JSR
REVIEWED BY:	ABH	APPROVED BY:	KFB
SHEET NO.			

**LU-8**

**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 LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SYMBOL	QTY	NOTES
LS1	-	TRIM LANDSCAPING DOWN TO 36"

LANDSCAPE SCHEDULE CM = CRAPE MYRTLE UNK = UNKNOWN

## Thomas, Anita

---

**From:** Brian Estes <bestes@GMR1.com>  
**Sent:** Friday, July 08, 2016 11:36 AM  
**To:** Thomas, Anita  
**Subject:** NC4-705 141 South Main St., Graham, NC  
**Attachments:** Cree OSQ Pole Light.jpg

Anita,

After reviewing my notes from the site walk I found that the reason we were adding the new poles were due to the fact that we wanted to keep the existing poles as out of scope and just add new poles. Our original plan called for the exiting poles to be replaced with new taller ones to help cover areas that are currently dark at night.

Attached photos of what the fixtures that were specified will look like once they are installed. The poles near the drive up ATMs will be white in color and the fixtures will be white also. All new poles at the location will be bronze and the fixtures will be bronze to match the existing conditions unless otherwise directed.

Please let me know if you have additional questions.

Thank you,

**Brian Estes**  
*Senior Project Manager*



5 Horizon Court • Heath, Texas 75032 • GMR1.com  
p 972-772-1257 • f 972-722-4748 • c 214-356-5492

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