


LIGHTING PLAN NOTES:

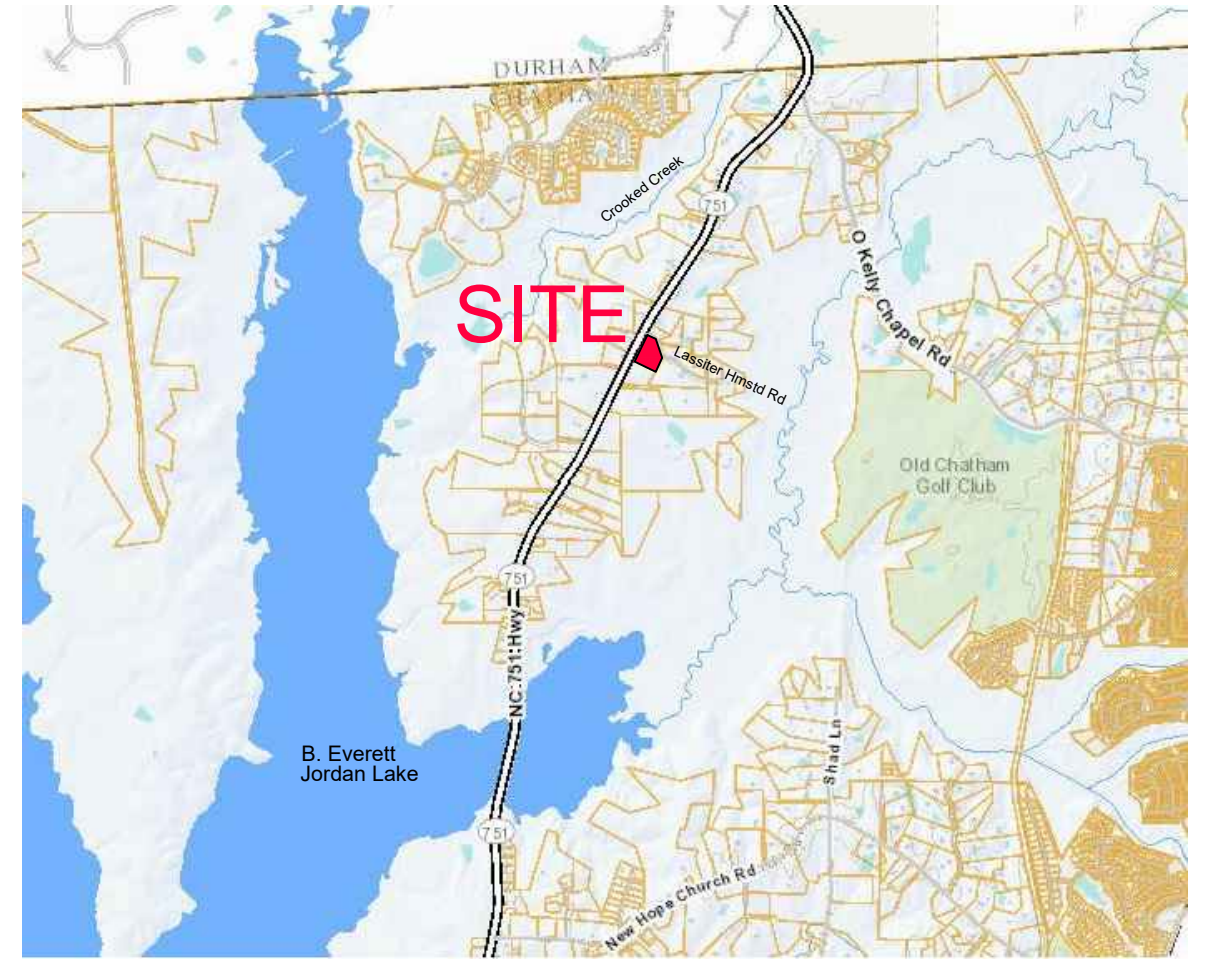
1. THE CE GROUP, INC. IS NOT RESPONSIBLE FOR SAFETY AND SECURITY RISKS DUE INADEQUATE LIGHTING LEVELS.
2. MAINTAINED FOOTCANDLES AT GRADE USING A 0.72 LIGHT LOSS FACTOR.
3. LIGHT LEVELS MODELED USING VISUAL - PROFESSIONAL EDITION SOFTWARE, VERSION 2.06.0234
4. ALL FIXTURES TO MEET IESNA FULL CUTOFF CLASSIFICATION.
5. UNDERGROUND UTILITIES (EXISTING AND PROPOSED) ARE FOR INFORMATIONAL PURPOSES ONLY. SEE APPROPRIATE SHEET IN THIS SET FOR DETAILS. CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE OWNER AND/OR ENGINEER OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
6. SEE ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING EXTERIOR DECORATIVE FIXTURES.

LIGHTING DATA	
PARKING AREA #1	
AVERAGE	4.0 fc
MAXIMUM	7.9 fc
MINIMUM	1.0 fc
AVG / MIN	4.0 : 1

LIGHTING DATA	
PARKING AREA #2	
AVERAGE	5.2 fc
MAXIMUM	9.4 fc
MINIMUM	1.3 fc
AVG / MIN	4.0 : 1

LIGHTING DATA	
PARKING AREA #3	
AVERAGE	4.4 fc
MAXIMUM	7.3 fc
MINIMUM	1.1 fc
AVG / MIN	4.0 : 1

LEGEND
 **SHOEBOX LIGHTS**
 8 EA - DUKE ENERGY PROGRESS SHOEBOX - 220W LED - TYPE IV THROW PATTERN FULL CUTOFF - 20' MOUNTING HEIGHT



VICINITY MAP
 NTS
 NORTH

LIGHTING EXHIBIT FOR CAROLINA HOUSE CHATHAM COUNTY, NORTH CAROLINA OCTOBER 2, 2020

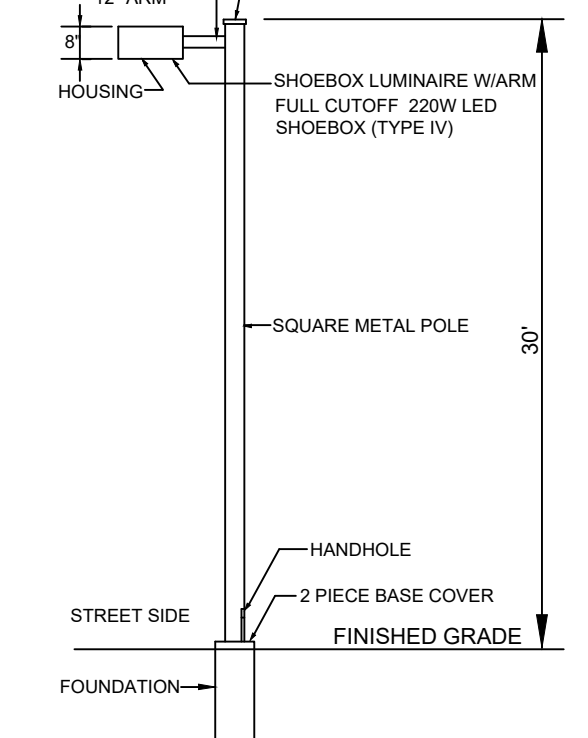
SITE DATA

EXISTING PROJECT AREA:
 TOTAL PROPERTY ACREAGE: ± 6.38 ACRES
 PROPOSED PROJECT AREA: ± 5.57 ACRES
 AREA IN R/W & PRIVATE RD EASE: ± 0.81 ACRES
 PROPERTY OWNER: DAVID W AND WANDA HUTSON
 20029 (6.35 AC)
 93851 (0.03 PORTION OF)
 7990 NC HWY 751
 DURHAM, NORTH CAROLINA
 R-1
 WS-IV PA

IMPERVIOUS AREA:
 EXISTING IMPERVIOUS: ± 30,412 SF (± 12.5%)
 PROPOSED IMPERVIOUS: ± 43,293 SF (± 17.8%)

PARKING DATA:
 TOTAL REQUIRED: 22.5 OR 23 SPACES
 GENERAL OFFICE: 16.5 OR 17 SPACES (3,300 SF @ 5 SPACES/1,000 SF)
 REHABILITATION: 4 SPACES (8 BEDS @ 1 SPACES/2 BEDS)
 HEALTH CARE EMPLOYEES: 2 SPACES (1 SPACE PER EMPLOYEE)

TOTAL PROVIDED: 25 SPACES



- NOTES:**
1. FINAL LEVELING OF POLE IS TO BE MADE THROUGH USE OF DOUBLE NUTS.
 2. ALL FOUR SIDES OF POLE ARE DRILLED WITH 3 HOLES AS SHOWN IN INSERT AND WASHERS PROVIDED WITH ANCHOR BOLTS OR GALVANIZED SHIMS. ABOVE TO ACCOMMODATE A MAXIMUM OF FOUR LUMINAIRES. STEEL PLATES OR PLUG COVER EACH SIDE UNTIL UNITS ARE INSTALLED.
 3. SPECIAL HANDLING OF THESE SQUARE POLES IS NECESSARY TO MINIMIZE DAMAGE TO FINISH OF POLE. A NYLON SLING SHOULD BE USED TO LIFT POLE AT ALL TIMES. CHAINS, CABLES, OR ROPES MUST NOT BE USED. A CAN OF TOUCH-UP PAINT IS INCLUDED WITH ACCESSORIES FOR EACH POLE.
 4. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR ASSEMBLY AND ATTACHMENT OF FIXTURE(S) AND ARM(S) TO POLE.
 5. WHEN APPLICABLE, NEW POLE SHALL BE POSITIONED SUCH THAT THE HANDHOLE IS FACING AWAY FROM THE STREET.
 6. FOR MULTIPLE LIGHTING CIRCUITS, CONNECT THE SOURCE AND LOAD CONDUCTORS INTO THE HANDHOLE AND CONNECT USING WIRE NUTS FOR ALL #10 CONDUCTORS OR THE STREETLIGHT CONNECTION BLOCK FOR LARGER (1/0 MAX.) SOURCE AND LOAD CONDUCTORS.



SCALE: 1" = 40'

PRELIMINARY
 FOR REVIEW ONLY
 NOT RELEASED
 FOR CONSTRUCTION

