

LIGHTING PLAN NOTES:

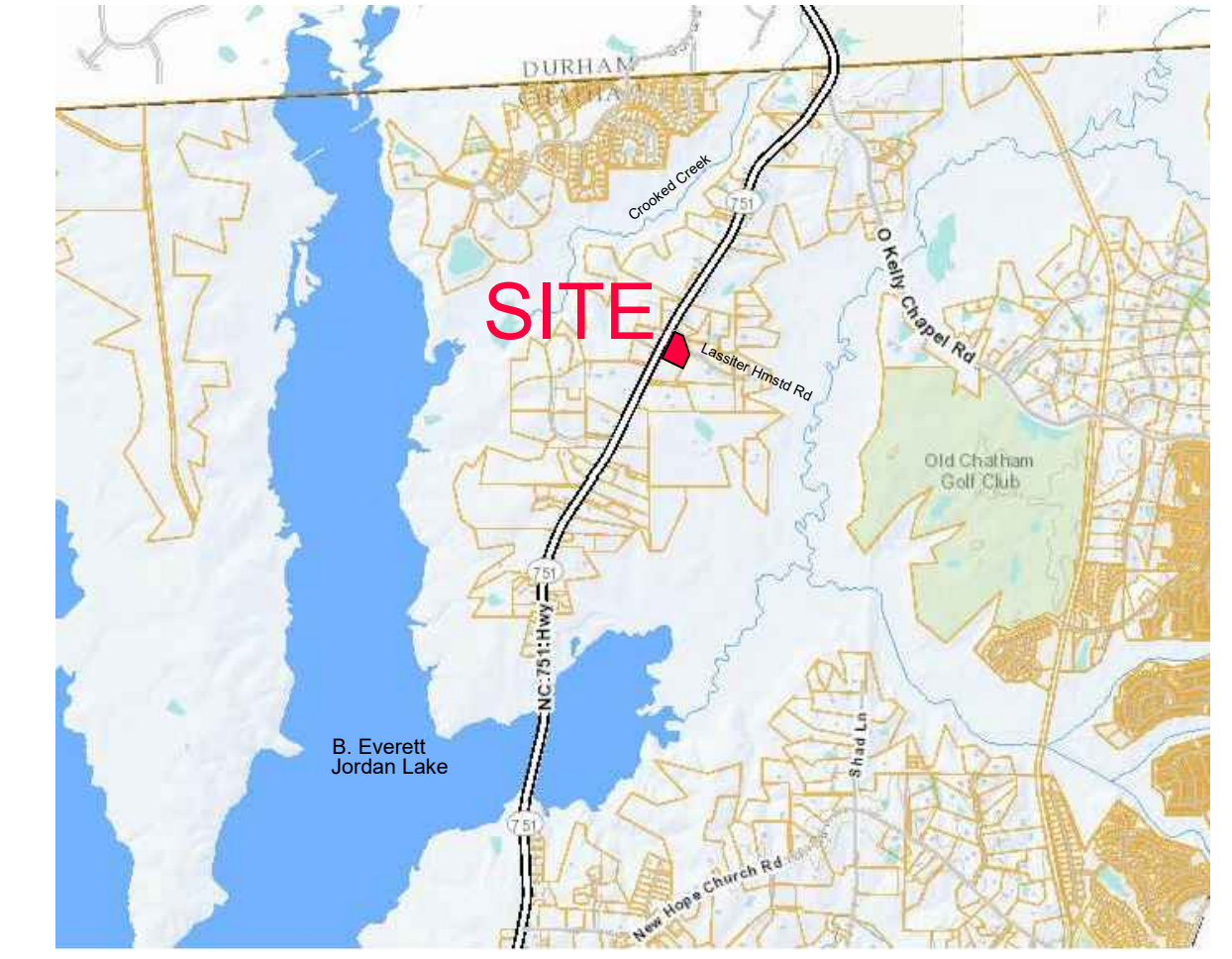
1. THE CE GROUP, INC. IS NOT RESPONSIBLE FOR SAFETY AND SECURITY RISKS DUE INADEQUATE LIGHTING LEVELS.
2. MAINTAINED FOOTCANDLES AT GRADE USING A 0.72 LIGHT LOSS FACTOR.
3. LIGHT LEVELS MODELED USING VISUAL - PROFESSIONAL EDITION SOFTWARE, VERSION 2.06.0234
4. ALL FIXTURES TO MEET IESNA FULL CUTOFF CLASSIFICATION.
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

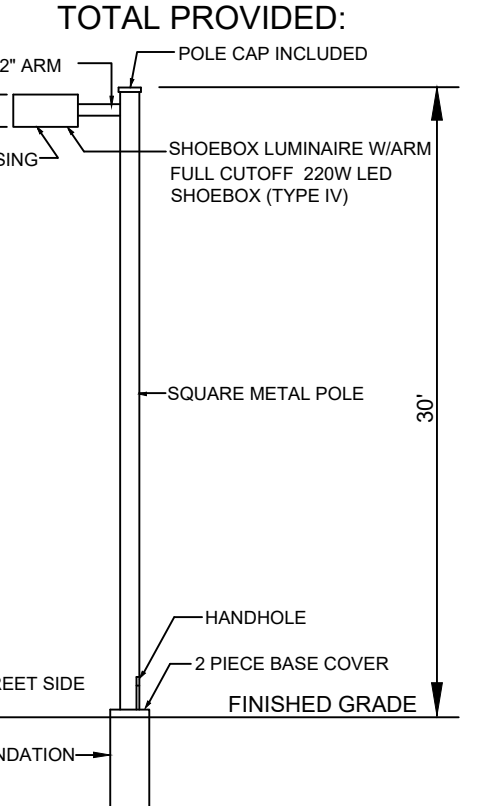
LIGHTING EXHIBIT FOR CAROLINA HOUSE CHATHAM COUNTY, NORTH CAROLINA OCTOBER 2, 2020

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)



- 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.

SHOEBOX LUMINAIRES AND SQUARE POLES
 N.T.S.



N/F
 RONALD WAYNE & GRETA ELAINE
 SEAGROVES
 PIN: 0716-00-35-3218
 AKPAR: 19654
 DB 1936 PG 1022
 5.20 AC
 ZONED: R-1

N/F
 YASHWANT & NAVJOT SINGH &
 NAVPREET KAUR
 PIN: 0716-00-34-6904
 AKPAR: 80785
 DB 1932 PG 0979
 2.13 AC
 ZONED: R-1

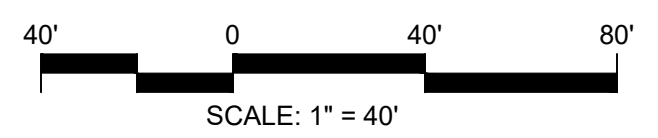
N/F
 ANTHONY A COOK ETUX DONNA J
 PIN: 0716-00-44-0815
 AKPAR: 76388
 DB 1438 PG 0437
 2.94 AC
 ZONED: R-1

N/F
 VAN REGINALD STEPHENS
 PIN: 0716-00-44-3945
 AKPAR: 64697
 DB 986 PG 0836
 5.84 AC
 ZONED: R-1

N/F
 VAN REGINALD STEPHENS
 PIN: 0716-00-44-1409
 AKPAR: 79885
 DB 986 PG 0836
 10.02 AC
 ZONED: R-1

N/F
 DAVID W HUDSON ETUX WADA
 PIN: 0716-00-34-2121
 AKPAR: 93851
 DB 725 PG 0123
 6.42 AC
 ZONED: R-1

N/F
 CRCD TREATMENT INC
 PIN: 0716-00-34-5228
 AKPAR: 73288
 DB 1261 PG 0685
 10.14 AC
 ZONED: CU-01



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 NOT RELEASED
 FOR CONSTRUCTION

