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| LUMINAIRE LOCATION SUMMARY |       |          |
|----------------------------|-------|----------|
| LUM NO.                    | LABEL | MTG. HT. |
| 1                          | A1    | 20       |
| 2                          | A1    | 20       |
| 3                          | A4    | 20       |
| 4                          | A4    | 20       |
| 5                          | A4    | 20       |
| 6                          | A4    | 20       |
| 7                          | A4    | 20       |
| 8                          | B4    | 20       |
| 9                          | B4    | 20       |
| 10                         | B4    | 20       |
| 11                         | B4    | 20       |
| 12                         | C1    | 18.21    |
| 13                         | C1    | 18.21    |
| 14                         | C1    | 18.21    |
| 15                         | C1    | 18.21    |
| 16                         | C1    | 18.21    |
| 17                         | C1    | 18.21    |
| 18                         | C1    | 18.21    |
| 19                         | C1    | 18.21    |
| 20                         | C1    | 18.21    |
| 21                         | C1    | 18.21    |
| 22                         | C1    | 18.21    |
| 23                         | C1    | 18.21    |
| 24                         | C1    | 16.21    |
| 25                         | C1    | 16.21    |
| 26                         | C1    | 16.21    |
| 27                         | C1    | 16.21    |
| 28                         | C1    | 16.21    |
| 29                         | C1    | 16.21    |

| LUMINAIRE LOCATION SUMMARY |       |          |
|----------------------------|-------|----------|
| LUM NO.                    | LABEL | MTG. HT. |
| 30                         | C1    | 16.21    |
| 31                         | C1    | 16.21    |
| 32                         | C1    | 16.21    |
| 33                         | C1    | 16.21    |
| 34                         | C1    | 16.21    |
| 35                         | C1    | 16.21    |
| 36                         | D1    | 9        |
| 37                         | D1    | 9        |
| 38                         | D1    | 9        |
| 39                         | D1    | 9        |
| 40                         | D1    | 9        |
| 41                         | D1    | 9        |
| 42                         | D1    | 9        |
| 43                         | D1    | 9        |
| 44                         | D1    | 9        |
| 45                         | D1    | 9        |
| 46                         | S1    | 7.5      |
| 47                         | S1    | 7.5      |
| 48                         | W1    | 15       |
| 49                         | W1    | 15       |
| 50                         | W1    | 15       |
| 51                         | W1    | 15       |
| 52                         | W1    | 15       |
| 53                         | W1    | 15       |
| 54                         | W1    | 15       |
| 55                         | W1    | 15       |
| 56                         | W1    | 15       |
| 57                         | W1    | 15       |

| FOOTCANDLE CALCULATION SUMMARY |       |      |     |         |         |
|--------------------------------|-------|------|-----|---------|---------|
| LABEL                          | AVG   | MAX  | MIN | AVG/MIN | MAX/MIN |
| 10' BEYOND PROPERTY LINE       | 0.08  | 0.8  | 0.0 | N.A.    | N.A.    |
| CANOPY                         | 33.69 | 46   | 16  | 2.11    | 2.88    |
| DELIVERY                       | 4.03  | 5.1  | 3.3 | 1.22    | 1.55    |
| ENTRANCES & EXITS              | 3.18  | 5.1  | 0.7 | 4.54    | 7.29    |
| PAVED                          | 3.42  | 13.9 | 1.0 | 3.42    | 13.90   |
| UNDEFINED                      | 0.50  | 4.4  | 0.0 | N.A.    | N.A.    |

| LUMINAIRE SCHEDULE |     |       |             |        |       |            |                 |             |                              |                                      |
|--------------------|-----|-------|-------------|--------|-------|------------|-----------------|-------------|------------------------------|--------------------------------------|
| SYMBOL             | QTY | LABEL | ARRANGEMENT | LUMENS | LLF   | BUG RATING | WATTS/LUMINAIRE | TOTAL WATTS | MANUFACTURER                 | DESCRIPTION                          |
|                    | 2   | A1    | SINGLE      | 12019  | 1.000 | B3-U0-G3   | 134.2           | 268.4       | Cree Lighting                | ARE-EDG-3M-DA-06-E-UL-WH-700-57K     |
|                    | 5   | A4    | SINGLE      | 8891   | 1.000 | B1-U0-G2   | 134             | 670         | CREE, INC.                   | ARE-EDG-3MB-DA-06-E-UL-WH-700-57K    |
|                    | 4   | B4    | SINGLE      | 9549   | 1.000 | B1-U0-G2   | 134             | 536         | CREE, INC.                   | ARE-EDG-4MB-DA-06-E-UL-WH-700-57K    |
|                    | 24  | C1    | SINGLE      | 10912  | 0.980 | B3-U0-G1   | 101             | 2424        | CREE, INC.                   | CAN-304-SL-RD-06-E-UL-WH-525-57K     |
|                    | 10  | D1    | SINGLE      | 1548   | 1.000 | B1-U0-G0   | 27.6            | 276         | PHILIPS LIGHTCLIER           | CBLL1520DW30KCLW/CBL15N1 (CAN LIGHT) |
|                    | 2   | S1    | SINGLE      | 2011   | 1.000 | B0-US-G2   | 46.9            | 93.8        | SCOTT ARCHITECTURAL LIGHTING | WC1 SCOTT ITL61322 S9131 9x20        |
|                    | 10  | W1    | SINGLE      | 4210   | 0.980 | B1-U0-G1   | 43              | 430         | CREE, INC.                   | SEC-EDG-3M-WM-04-E-UL-WH-350-57K     |

NOTE:  
 - FOOTCANDLE LEVELS CALCULATED AT GRADE USING PREDICTED LUMEN VALUES AFTER 25K HOURS OF OPERATION  
 - ALL AREA LIGHTS ON 19.5 FT. POLES MOUNTED ON 0.5 IN. CONCRETE BASES

**Kimley»Horn**  
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 WWW.KIMLEY-HORN.COM

11/07/18 RPP  
 07/02/19 RPP  
 01/03/19 RPP  
 01/14/19 RPP  
 01/17/19 RPP

KHA PROJECT: 11.13160005  
 DATE: 11/09/2018  
 SCALE: AS SHOWN  
 DESIGNED BY: KRW  
 DRAWN BY: KRW  
 CHECKED BY: RPP

REVISIONS  
 No. DATE BY

**LIGHTING PLAN**

**WAWA AT PARHAM AND THREE CHOPT**  
 PREPARED FOR: REBKEE CO.  
 HENRICO COUNTY VIRGINIA

SHEET NUMBER  
**CL-101**

**POD# 2018-00101 & 00196**