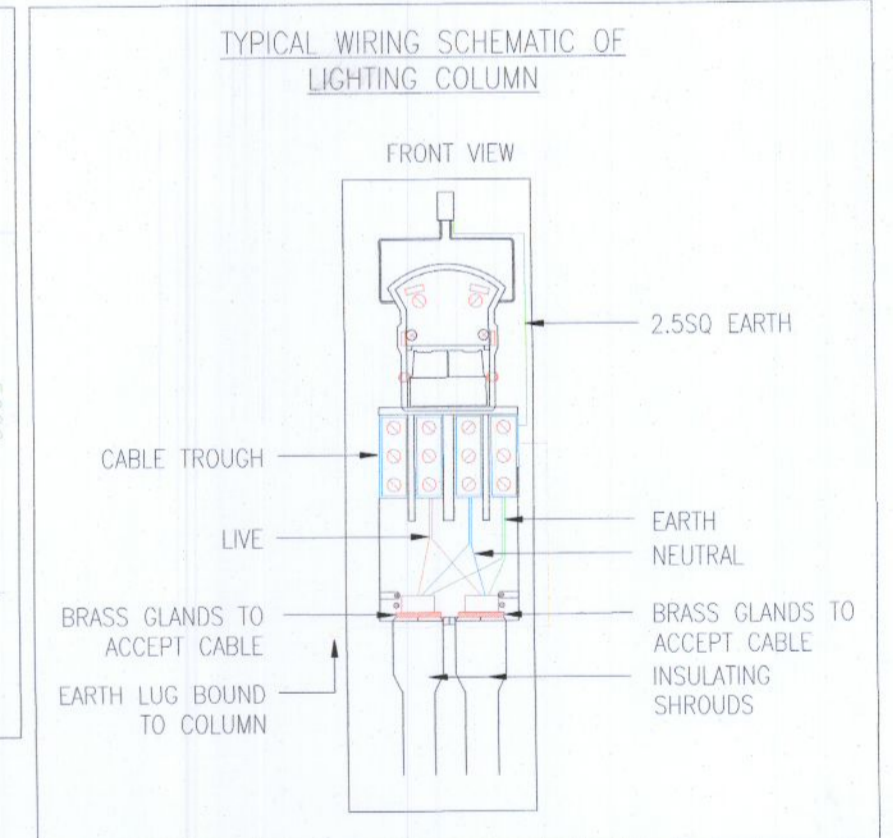
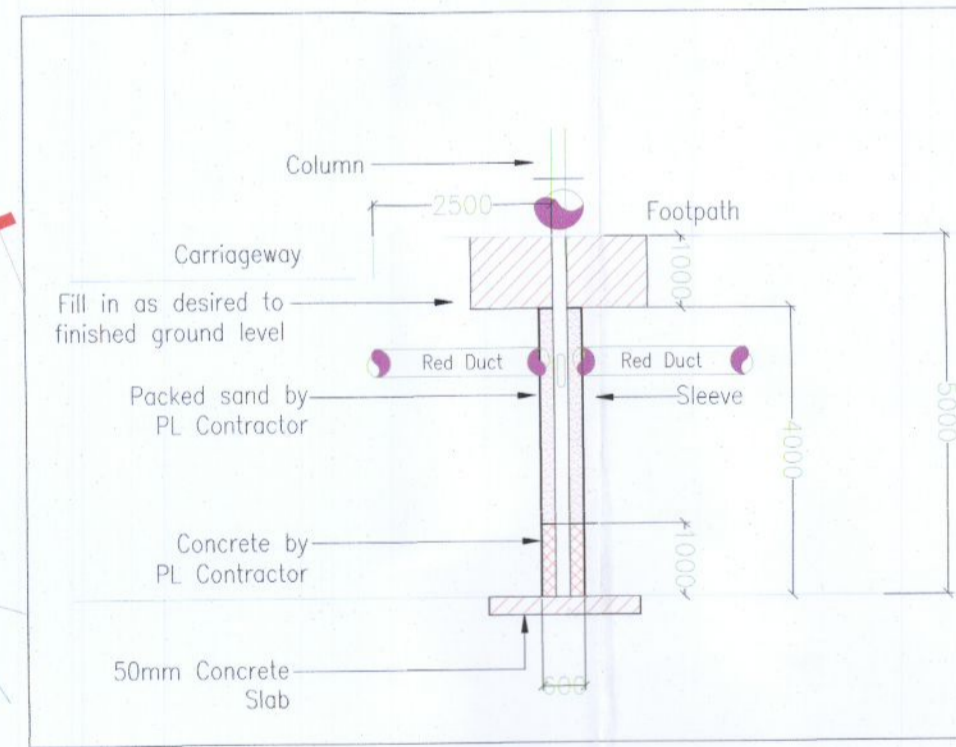


- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR SITWORKS INFORMATION.
 - ALL AREAS SHALL BE CAT SCAN/GPR SURVEYED PRIOR TO COMMENCEMENT OF THE WORKS.
 - ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH M&E SERVICES DRAWINGS AND DETAIL DRAWINGS.
 - ALL DUCTS TO BE TWIN WALL DUCTING SIZE AS INDICATED.
 - BUILDING CONTRACTOR TO INSTALL 110/ LV RED UNDERGROUND uPVC DUCTING FOR FINAL CONNECTION LOOPED INTO AND OUT FROM ALL SITE LIGHT FITTINGS, FROM EACH MANHOLE (ACCESS CHAMBER) LOCATION.
 - ALL SITE LIGHTING CIRCUITS SHALL BE WIRED USING NYCY SUITABLY SIZED AS PER SPEC.
 - ALL DUCTS TO BE PROVIDED WITH 12mm NYLON DRAW ROPES. LED LUMINAIRES SHALL BE PROGRAMMABLE ON SITE AND SHALL INITIALLY BE DIMMED BETWEEN MID-NIGHT AND 6AM TO 75%.
 - ELECTRICAL CONTRACTOR TO LAISE WITH BUILDING CONTRACTOR TO ENSURE DUCTS FOR EXTERNAL LIGHTING ARE IN PLACE.
 - "AS BUILT" UNDERGROUND SITE SERVICES DRAWINGS TO BE PROVIDED BY CONTRACTOR TO CLIENT IN PAPER AND ELECTRONIC COPY AT PRACTICAL COMPLETION.
 - NUMERICAL GRID INDICATES LUX LEVELS AT THAT POINT
 - BLUE 1.19 LINE INDICATES 1.19 LUX AT THAT LINE.

| Results - Horizontal Illuminance (lux) | NORTH Results - Horizontal Illuminance (lux) | SOUTH Results - Horizontal Illuminance (lux) | SOUTH Results - Horizontal Illuminance (lux) | NORTH Results - Horizontal Illuminance (lux) | PRIVATE GARDEN AREA Results - Horizontal Illuminance (lux) |
|--|---|---|--|--|---|
| Eav= 14.29 Emin= 4.42 Emax= 42.99 Emin/Emax= 0.10 Emin/Eav= 0.31 Emax/Eav= 3.01 | Eav= 26.68 Emin= 20.10 Emax= 32.50 Emin/Emax= 0.51 Emin/Eav= 0.70 Emax/Eav= 1.37 | Eav= 35.66 Emin= 24.96 Emax= 53.16 Emin/Emax= 0.47 Emin/Eav= 0.70 Emax/Eav= 1.49 | Eav= 157.94 Emin= 111.22 Emax= 204.52 Emin/Emax= 0.54 Emin/Eav= 0.70 Emax/Eav= 1.29 | Eav= 155.09 Emin= 113.89 Emax= 177.73 Emin/Emax= 0.64 Emin/Eav= 0.73 Emax/Eav= 1.15 | Eav= 8.09 Emin= 3.76 Emax= 15.47 Emin/Emax= 0.24 Emin/Eav= 0.46 Emax/Eav= 1.91 |



LIGHTING LEGEND

| NAME | TYPE | SYMBOL | HEIGHT | DESCRIPTION |
|---|------|--------|--------|--------------|
| HIGHWAY DIAMOND | A | ● | 6m | POLE |
| HIGHWAY DIAMOND | B | ● | 6m | POLE |
| HIGHWAY DIAMOND | C | ● | 6m | POLE |
| HIGHWAY DIAMOND | D | ● | 6m | POLE |
| HIGHWAY DIAMOND | E | ● | 6m | POLE |
| HIGHWAY DIAMOND | F | ● | 6m | POLE |
| HIGHWAY DIAMOND | G | ● | 6m | POLE |
| HIGHWAY DIAMOND | H | ● | 6m | POLE |
| STEALTH | K | ● | 2m | WALL MOUNTED |
| PUBLIC LIGHTING CUSTOMER SERVICE PILLAR | | □ | | |

LEGEND

BLUE ISOLINE = 2.5 LUX
 GREEN ISOLINE = 1.25 LUX
 RED ISOLINE = 1.25 LUX
 TURQUOISE ISOLINE = 20 LUX

Luminaire Data

| Luminaire | Model | Gen | Height | Beam | Gen | Height | Beam | Gen | Height | Beam | Gen | Height | Beam | Gen | Height | Beam |
|-------------|---------------|-------------------|-----------------------|------|-----|--------|------|-----|--------|------|-----|--------|------|-----|--------|------|
| Luminaire A | HWD2-#4K16 | 700-M1-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire B | HWD2-#4K16 | 800-F0-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire C | HWD2-#4K08 | 500-M1-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire D | HWD2-#4K08 | 600-M1-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire E | HWD2-#4K08 | 400-M1-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire F | HWD2-#4K16 | 850-N3-CLO | 7 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire G | HWD2-#4K12 | 700-S1-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire H | HWD2-#4K04 | 350-N2-CLO | 5 | Lamp | LED | MF | 0.83 | | | | | | | | | |
| Luminaire K | STEALTH ELITE | BLACK CLEAR 4000K | LED 5000 T OPTIC IP65 | Lamp | LED | MF | 0.83 | | | | | | | | | |

THIS IS A PERFORMANCE DRAWING ONLY. WORKING AND INSTALLATION DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. FINAL POSITIONS OF ALL ITEMS SHOWN ARE FOR GUIDANCE AND PRICING PURPOSES ONLY. THE EXACT FINAL LOCATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR WHO SHALL CO-ORDINATE HIS INSTALLATIONS WITH THE MAIN CONTRACTOR AND ALL OTHER TRADES.

| REV | DATE | DESCRIPTION | BY | CHK |
|-----|------------|---------------------|----|-----|
| P01 | 09.09.2022 | ISSUED FOR PLANNING | RD | MD |

PROJECT:
21 FIRST AVENUE, COOKSTOWN DEVELOPMENT

DRAWING TITLE:
SITE LIGHTING DESIGN

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DRAWING NUMBER: 4046-JVT-00-SI-DR-E-6004

| DRAWN | DATE | ISSUED FOR | REVISION |
|-------|------------|---------------------|----------|
| RD | 07/09/2022 | ISSUED FOR PLANNING | P01 |

SCALE: 1:250@A1L PROJECT NUMBER: 4046

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