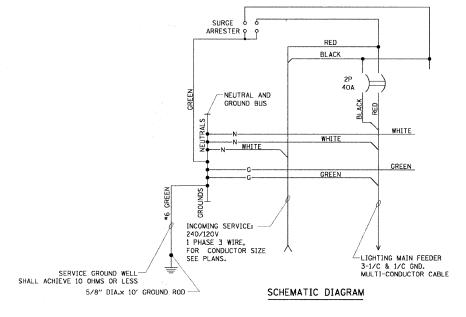


NOTES:

- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY, SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR Z-WIRE SERVICE.
- THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER.
- 3. THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT
- 4. THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE
 NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH
 A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING
 STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS
 AND DOOR STOP, HOFMAN CATALOG NO. A-16HIZOBSS6LP/A-16
 P12/A-DSTOPK/C-PMKIZ, OR APPROVED EQUAL.
- 5. CIRCUIT BREAKER SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. IT SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLE SHALL BE TRIP FREE.
- 6. THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTAGE SINGLE PHASE 60HZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.

- 7. BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER,
 INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT
 SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC.
 THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN
 INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO
 CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED
 SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED
 EQUAL.
- 8. THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- 10. A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER
- 12. LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- 13. THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



| Ciorba G | roup, Inc. | | | |
|--|------------------|--|--|--|
| 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 | | | | |
| Tel. 773.775.4009 | Fax 773.775.4014 | | | |

| , | USER NAME = jvondra | DESIGNED | - | RJR | REVISED | |
|----|----------------------------|----------|---|-----------|---------|---|
| ٠. | - | DRAWN | - | RJR | REVISED | - |
| 02 | PLOT SCALE = 1.0000 '/ IN. | CHECKED | - | JMV | REVISED | w |
| 14 | PLOT DATE = 7/12/2010 | DATE | - | 6/16/2010 | REVISED | - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ALGONQUIN ROAD LIGHTING IMPROVEMENTS SERVICE INSTALLATION, TYPE C (SPECIAL) | | | | | | F.A.P. SECTION | | COUNTY | TOTAL | SHEET NO. |
|---|-----------|----|--------|------|---------|--------------------|-----------------------------------|-----------|-------|--------------|
| | | | | | | 339 09-00100-00-LT | | COOK | 64 | 62 |
| SERVICE INSTALLATION, TIPE C (SPECIAL) | | | | | | | | CONTRACT | NO. 6 | 3426 |
| ALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. | FED. RO | AD DIST. NO. 1 ILLINOIS FED. AI | D PROJECT | | |