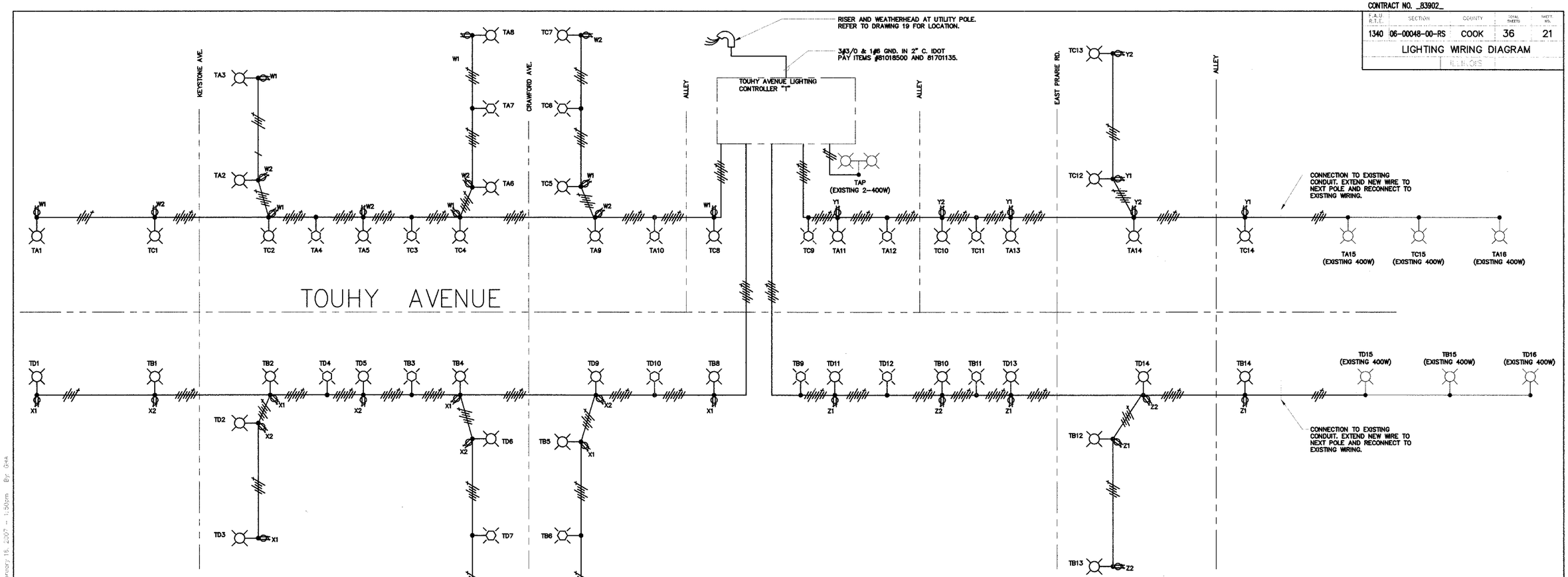
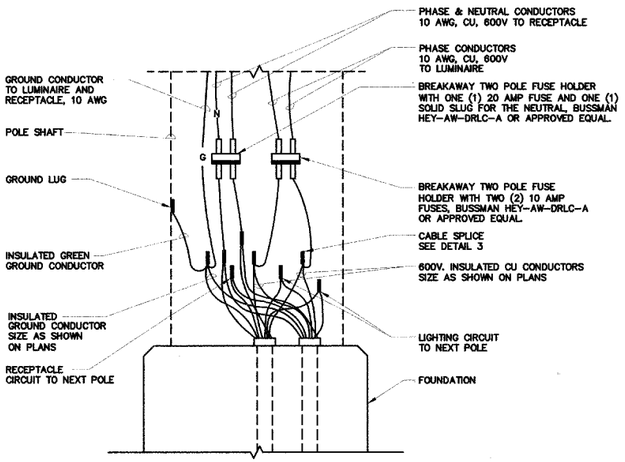
CONTRACT NO. _83902_

| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1340 | 06-00048-00-RS | COOK | 36 | 21 |
| LIGHTING WIRING DIAGRAM | | | | |
| REVISIONS | | | | |




## LIGHTING WIRING DIAGRAM 1

NO SCALE




## POLE BASE WIRING DIAGRAM 2

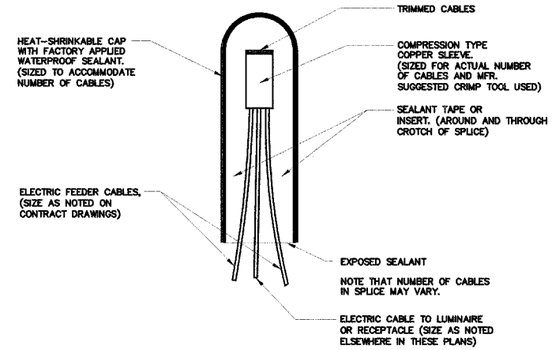
NO SCALE

## LEGEND

- 250 W. M.H. STREET LUMINAIRE, 240V, 1 PHASE, 2 WIRE
- #6 AWG 600V. (TYPE XLP-RHW)
  - GROUND
  - NEUTRAL
  - PHASE
- TA3 — CIRCUITING DESIGNATION SCHEME
  - 3 – DENOTES POLE NO. ON GIVEN CIRCUIT ('P' INDICATES PARKING LOT)
  - A – DENOTES CIRCUIT LABEL
  - T – DENOTES LIGHTING CONTROLLER
- 50 W. M.H. PEDESTRIAN LUMINAIRE, 240V, 1 PHASE, 2 WIRE
- W2 — DUPLEX RECEPTACLE INSTALLED NEAR TOP BANNER ARM 120V, 20A, GFCI WITH WEATHERPROOF COVER PLATE.
  - 2– DENOTES 120 VOLT PHASE
  - W– DENOTES 240 VOLT CIRCUIT AND NEUTRAL

### LOAD TABULATION AND VOLTAGE DROP FOR LIGHTING CONTROLLER "T"

| CIRCUIT | VOLT AMPS | AMPS | VOLTAGE DROP AT WORST POLE |
|---|---|---|---|
| A LTG | 2332 | 9.7 | 2.2% (TA16) |
| B LTG | 1656 | 6.9 | 2.2% (TB15) |
| C LTG | 1959 | 8.2 | 2.0% (TC15) |
| D LTG | 2332 | 9.7 | 2.4% (TD16) |
| W1 RECEPTS | 1400 | 11.7 | 3.7% (TA1) |
| W2 RECEPTS | 1200 | 10.0 | 3.8% (TA2) |
| X1 RECEPTS | 1400 | 11.7 | 4.8% (TD1) |
| X2 RECEPTS | 1200 | 10.0 | 4.1% (TB1) |
| Y1 RECEPTS | 800 | 6.7 | 2.5% (TC14) |
| Y2 RECEPTS | 600 | 5.0 | 1.8% (TC13) |
| Z1 RECEPTS | 800 | 6.7 | 2.8% (TB14) |
| Z2 RECEPTS | 600 | 5.0 | 2.3% (TB13) |




## SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS 3

NO SCALE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REFERENCE SCALE IN INCHES 0 1 2 3


PLANS PREPARED BY:
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Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax


ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING WIRING DIAGRAM

BUSINESS DISTRICT IMPROVEMENTS
TOUHY AVE. AND CRAWFORD AVE.
SECTION # 06 – 00048 – 00 –RS

SCALE: N.T.S.
DATE: 11-2-06

DRAWN BY: CEF
DESIGNED BY: SWR
CHECKED BY: SDR


K:\KJW # 06.0150.00 – Lincolnwood Street Lighting – C:\Documents and Settings\CHA\Desktop\L21.dwg Scale: N.T.S. Friday, February 16, 2007 – 1:50pm By: GHA

C18.dwg 1" 11/17/2006 10:15 A.M. Pyrabilp