

NOTES:

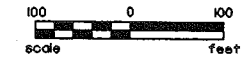
ALL CONDUIT UNDER THE INPLACE ROADWAY SHALL BE 3" RSC INSTALLED BY DIRECTIONAL BORING.

SEE LIGHTING STAGING PLANS FOR REMOVALS, SALVAGING, TEMPORARY LIGHTING AND STAGED PERMANENT CONSTRUCTION.

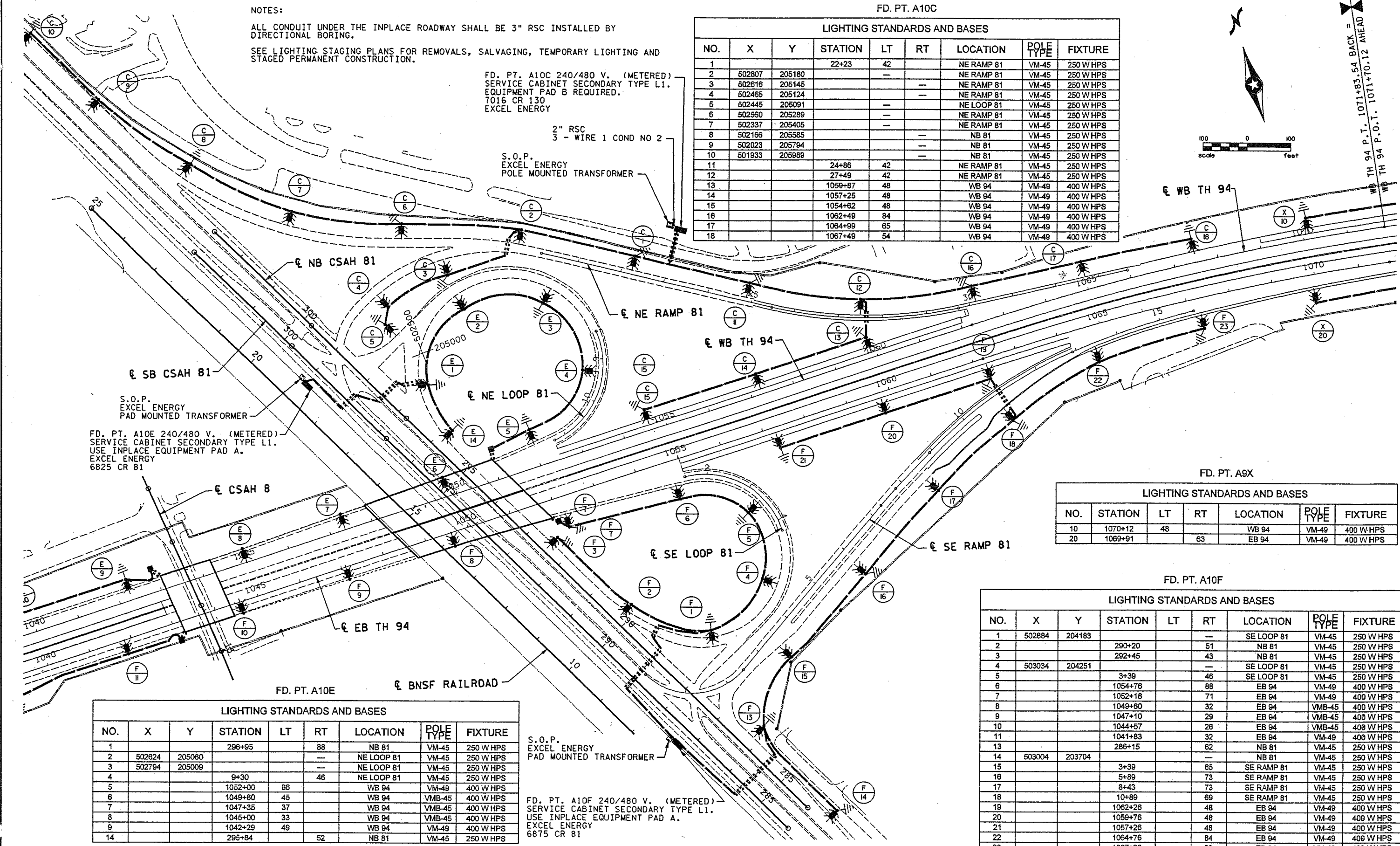
FD. PT. A10C 240/480 V. (METERED)
SERVICE CABINET SECONDARY TYPE L1.
EQUIPMENT PAD B REQUIRED.
7016 CR 130
EXCEL ENERGY

2" RSC
3 - WIRE 1 COND NO 2
S.O.P.
EXCEL ENERGY
POLE MOUNTED TRANSFORMER

| LIGHTING STANDARDS AND BASES | | | | | | | | |
|------------------------------|--------|--------|---------|----|----|------------|-----------|-----------|
| NO. | X | Y | STATION | LT | RT | LOCATION | POLE TYPE | FIXTURE |
| 1 | | | 22+23 | 42 | | NE RAMP 81 | VM-45 | 250 W HPS |
| 2 | 502807 | 205180 | | | | NE RAMP 81 | VM-45 | 250 W HPS |
| 3 | 502616 | 205145 | | | | NE RAMP 81 | VM-45 | 250 W HPS |
| 4 | 502465 | 205124 | | | | NE RAMP 81 | VM-45 | 250 W HPS |
| 5 | 502445 | 205091 | | | | NE LOOP 81 | VM-45 | 250 W HPS |
| 6 | 502560 | 205289 | | | | NE RAMP 81 | VM-45 | 250 W HPS |
| 7 | 502337 | 205405 | | | | NE RAMP 81 | VM-45 | 250 W HPS |
| 8 | 502166 | 205585 | | | | NB 81 | VM-45 | 250 W HPS |
| 9 | 502023 | 205794 | | | | NB 81 | VM-45 | 250 W HPS |
| 10 | 501933 | 205989 | | | | NB 81 | VM-45 | 250 W HPS |
| 11 | | | 24+86 | 42 | | NE RAMP 81 | VM-45 | 250 W HPS |
| 12 | | | 27+49 | 42 | | NE RAMP 81 | VM-45 | 250 W HPS |
| 13 | | | 1059+87 | 48 | | WB 94 | VM-49 | 400 W HPS |
| 14 | | | 1057+25 | 48 | | WB 94 | VM-49 | 400 W HPS |
| 15 | | | 1054+62 | 48 | | WB 94 | VM-49 | 400 W HPS |
| 16 | | | 1062+49 | 84 | | WB 94 | VM-49 | 400 W HPS |
| 17 | | | 1064+99 | 65 | | WB 94 | VM-49 | 400 W HPS |
| 18 | | | 1067+49 | 54 | | WB 94 | VM-49 | 400 W HPS |



WB TH 94 P.T. 1071+83.54 BACK #
WB TH 94 P.O.T. 1071+70.12 AHEAD



FD. PT. A9X

| LIGHTING STANDARDS AND BASES | | | | | | |
|------------------------------|---------|----|----|----------|-----------|-----------|
| NO. | STATION | LT | RT | LOCATION | POLE TYPE | FIXTURE |
| 10 | 1070+12 | 48 | | WB 94 | VM-49 | 400 W HPS |
| 20 | 1069+91 | | 63 | EB 94 | VM-49 | 400 W HPS |

FD. PT. A10F

| LIGHTING STANDARDS AND BASES | | | | | | | | |
|------------------------------|--------|--------|---------|----|----|------------|-----------|-----------|
| NO. | X | Y | STATION | LT | RT | LOCATION | POLE TYPE | FIXTURE |
| 1 | 502884 | 204183 | | | | SE LOOP 81 | VM-45 | 250 W HPS |
| 2 | | | 290+20 | | 51 | NB 81 | VM-45 | 250 W HPS |
| 3 | | | 292+45 | | 43 | NB 81 | VM-45 | 250 W HPS |
| 4 | 503034 | 204251 | | | | SE LOOP 81 | VM-45 | 250 W HPS |
| 5 | | | 3+39 | | 46 | SE LOOP 81 | VM-45 | 250 W HPS |
| 6 | | | 1054+76 | | 88 | EB 94 | VM-49 | 400 W HPS |
| 7 | | | 1052+18 | | 71 | EB 94 | VM-49 | 400 W HPS |
| 8 | | | 1049+60 | | 32 | EB 94 | VMB-45 | 400 W HPS |
| 9 | | | 1047+10 | | 29 | EB 94 | VMB-45 | 400 W HPS |
| 10 | | | 1044+57 | | 28 | EB 94 | VMB-45 | 400 W HPS |
| 11 | | | 1041+83 | | 32 | EB 94 | VM-49 | 400 W HPS |
| 13 | | | 286+15 | | 62 | NB 81 | VM-45 | 250 W HPS |
| 14 | 503004 | 203704 | | | | NB 81 | VM-45 | 250 W HPS |
| 15 | | | 3+39 | | 65 | SE RAMP 81 | VM-45 | 250 W HPS |
| 16 | | | 5+89 | | 73 | SE RAMP 81 | VM-45 | 250 W HPS |
| 17 | | | 8+43 | | 73 | SE RAMP 81 | VM-45 | 250 W HPS |
| 18 | | | 10+89 | | 69 | SE RAMP 81 | VM-45 | 250 W HPS |
| 19 | | | 1062+26 | | 48 | EB 94 | VM-49 | 400 W HPS |
| 20 | | | 1059+76 | | 48 | EB 94 | VM-49 | 400 W HPS |
| 21 | | | 1057+26 | | 48 | EB 94 | VM-49 | 400 W HPS |
| 22 | | | 1064+76 | | 84 | EB 94 | VM-49 | 400 W HPS |
| 23 | | | 1067+26 | | 69 | EB 94 | VM-49 | 400 W HPS |

FD. PT. A10E

| LIGHTING STANDARDS AND BASES | | | | | | | | |
|------------------------------|--------|--------|---------|----|----|------------|-----------|-----------|
| NO. | X | Y | STATION | LT | RT | LOCATION | POLE TYPE | FIXTURE |
| 1 | | | 296+95 | | 88 | NB 81 | VM-45 | 250 W HPS |
| 2 | 502824 | 205080 | | | | NE LOOP 81 | VM-45 | 250 W HPS |
| 3 | 502794 | 205009 | | | | NE LOOP 81 | VM-45 | 250 W HPS |
| 4 | | | 9+30 | | 46 | NE LOOP 81 | VM-45 | 250 W HPS |
| 5 | | | 1052+00 | 86 | | WB 94 | VM-49 | 400 W HPS |
| 6 | | | 1049+80 | 45 | | WB 94 | VMB-45 | 400 W HPS |
| 7 | | | 1047+35 | 37 | | WB 94 | VMB-45 | 400 W HPS |
| 8 | | | 1045+00 | 33 | | WB 94 | VMB-45 | 400 W HPS |
| 9 | | | 1042+29 | 49 | | WB 94 | VM-49 | 400 W HPS |
| 14 | | | 295+84 | | 52 | NB 81 | VM-45 | 250 W HPS |

S.O.P.
EXCEL ENERGY
PAD MOUNTED TRANSFORMER

FD. PT. A10F 240/480 V. (METERED)
SERVICE CABINET SECONDARY TYPE L1.
USE INPLACE EQUIPMENT PAD A.
EXCEL ENERGY
6875 CR 81

DESIGN FILE: P:\AS\11\1071\A10E\1071A10E\ROADWAY\C2786115.LPH
PRE FILE: P:\AS\11\1071\A10E\1071A10E\PRE\ALPH.PCT
PLOTTER: MS-HP55IMX
PLOT SCALE: 202.021C
PLOT DATE/TIME: 01/21 16:01:47

| NO. | DATE | BY | CKD | APPR | REVISION |
|-----|------|----|-----|------|----------|
| | | | | | |

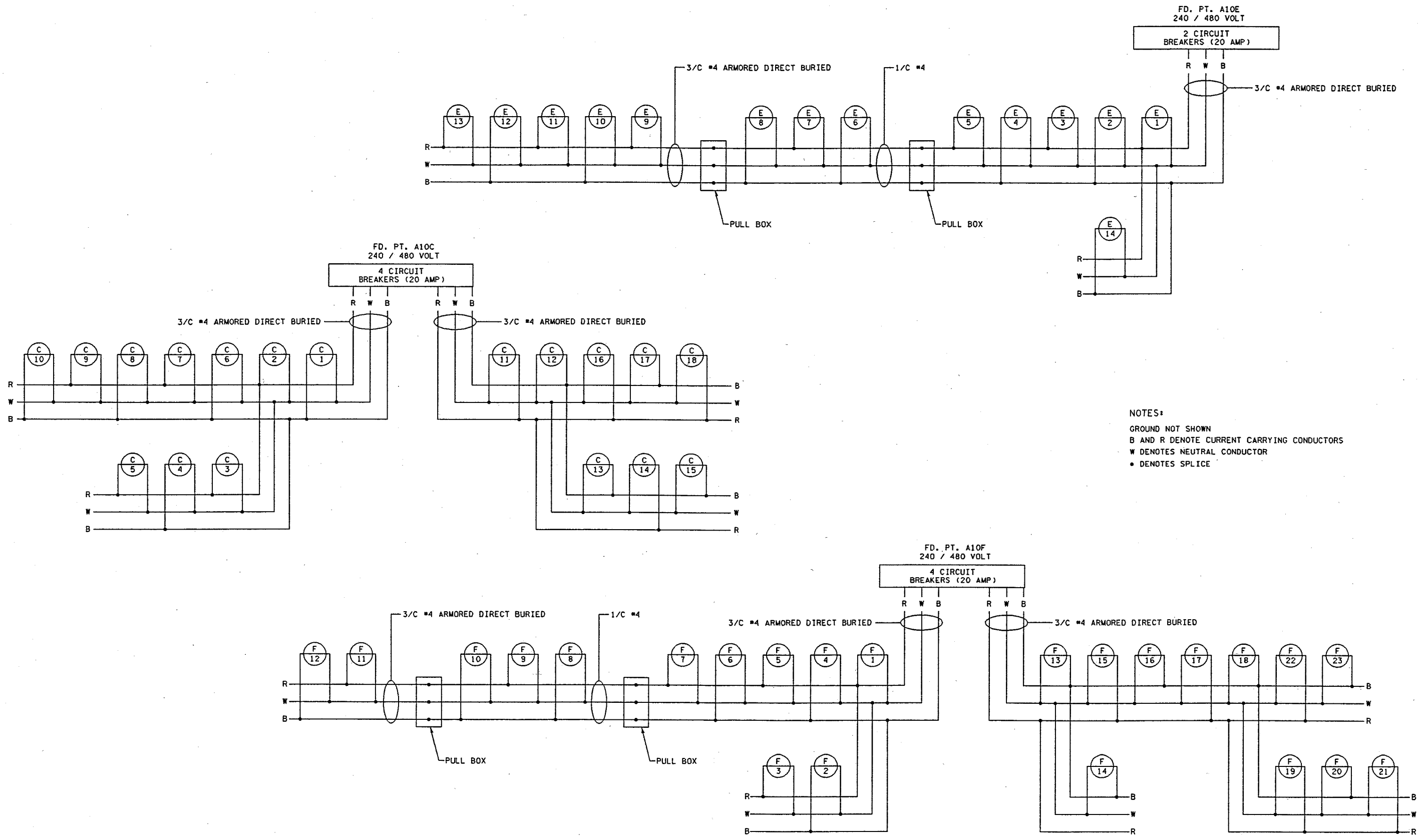
NAME: C2786115.LPH DATE: Jan, 23, 2002

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Brian D. Holt
Brian D. Holt
Date: 1/25/02 License # 21428

STATE AID PROJECT NO. _____
CITY PROJECT NO. _____
DRAWN BY: T. LATOUR DATE: 12-01
DESIGNED BY: B. HOLT DATE: 12-01
CHECKED BY: B. HOLT DATE: 12-01
COMM. NO. 0014003



DESIGN FILE: D:\CIVIL\1087-4003-4004\PIG\ROADWAY\C2786115.LP1
 PLOT FILE: D:\CIVIL\1087-4003-4004\PIG\ROADWAY\C2786115.LP1.PLF
 PLOTTED BY: BSS/MLK
 PLOT DATE/TIME: 01/23/02 15:02:08



NOTES:
 GROUND NOT SHOWN
 B AND R DENOTE CURRENT CARRYING CONDUCTORS
 W DENOTES NEUTRAL CONDUCTOR
 • DENOTES SPLICE

| NO | DATE | BY | CHKD | APPR | REVISION |
|--|------|----|------|------|----------|
| | | | | | |
| NAME: C2786115.LP1 DATE: Jan. 23, 2002 | | | | | |

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Print Name: BRIAN D. HOLT
Brian D. Holt
 Date: 1/25/02 License # 21428

STATE AID PROJECT NO. _____
 CITY PROJECT NO. _____
 DRAWN BY: I. LATOUR DATE: 12-01
 DESIGNED BY: B. HOLT DATE: 12-01
 CHECKED BY: B. HOLT DATE: 12-01
 COMM. NO. 0014003



MINNESOTA DEPT. OF TRANSPORTATION
 S.P. 2786-115 (TH 94)
 LIGHTING PLANS & TABULATIONS
 PERMANENT LIGHTING

SHEET
 345
 OF
 468