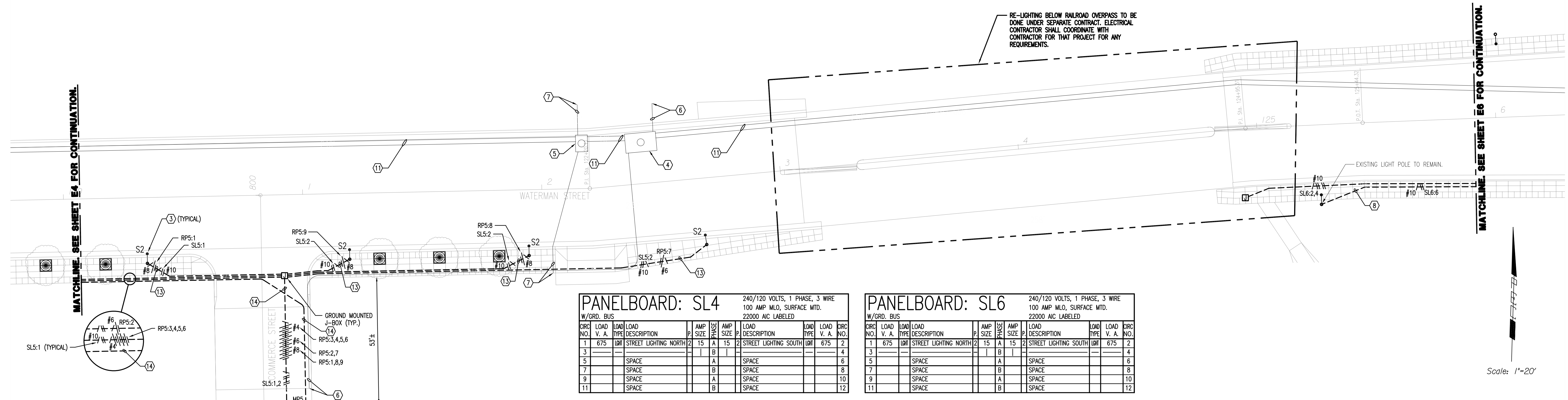


Saved: 02-27-2007 3:45:58 PM by WAN
 Project: 06237 - SHEET E5
 EA: 000006237-06237-SHEET E5



MATCHLINE SEE SHEET E4 FOR CONTINUATION.

MATCHLINE SEE SHEET E6 FOR CONTINUATION.

Scale: 1"=20'

PANELBOARD: MP1 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | PANELBOARD: SL1 | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | 200 | PANEL RP1 CONTROL | | 1 | 20 | B | 20 | 1 | SPARE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

PANELBOARD: MP3 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | SPARE | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | 200 | PANEL RP1 CONTROL | | 1 | 20 | B | 20 | 1 | SPARE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

PANELBOARD: MP5 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | PANELBOARD: SL5 | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | 200 | PANEL RP1 CONTROL | | 1 | 20 | B | 20 | 1 | SPARE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

PANELBOARD: MP7 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | PANELBOARD: SL7 | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | | SPACE | | | B | | | | SPACE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

PANELBOARD: RP1 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|------------------|------------------|---|----------|------------|------------------|-----------|------------------|----------|---|
| 1 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | RECEPTACLE SOUTH | 1500 | 2 |
| 3 | 1500 | RECEPTACLE NORTH | | 1 | 20 | B | 20 | 1 | RECEPTACLE SOUTH | 1500 | 4 |
| 5 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | SPARE | 6 | |
| 7 | 1500 | RECEPTACLE SOUTH | | 1 | 20 | B | 20 | 1 | SPARE | 8 | |
| 9 | | SPACE | | | A | | | | SPACE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: RP3 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|------------------|------------------|---|----------|------------|------------------|-----------|------------------|----------|---|
| 1 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | RECEPTACLE SOUTH | 1500 | 2 |
| 3 | 1500 | RECEPTACLE NORTH | | 1 | 20 | B | 20 | 1 | RECEPTACLE SOUTH | 1500 | 4 |
| 5 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | SPARE | 6 | |
| 7 | 1500 | RECEPTACLE SOUTH | | 1 | 20 | B | 20 | 1 | SPARE | 8 | |
| 9 | | SPACE | | | A | | | | SPACE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: RP5 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|-----------------|------------------|---|----------|------------|------------------|-----------|-----------------|----------|---|
| 1 | 1500 | RECEPTACLE WEST | | 1 | 20 | A | 20 | 1 | RECEPTACLE WEST | 1500 | 2 |
| 3 | 1500 | RECEPTACLE WEST | | 1 | 20 | B | 20 | 1 | RECEPTACLE WEST | 1500 | 4 |
| 5 | 1500 | RECEPTACLE WEST | | 1 | 20 | A | 20 | 1 | RECEPTACLE WEST | 1500 | 6 |
| 7 | 1500 | RECEPTACLE EAST | | 1 | 20 | B | 20 | 1 | RECEPTACLE EAST | 1500 | 8 |
| 9 | 1500 | RECEPTACLE EAST | | 1 | 20 | A | 20 | 1 | SPARE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: SL7 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|----------------------|-----------------------|---|----------|------------|------------------|-----------|-----------------------|----------|---|
| 1 | 675 | LIGHT | STREET LIGHTING NORTH | 2 | 15 | A | 15 | 2 | STREET LIGHTING SOUTH | 675 | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 | |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 | |
| 7 | | SPACE | | | B | | | | SPACE | 8 | |
| 9 | | SPACE | | | A | | | | SPACE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: MP2 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | SPARE | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | 200 | PANEL RP1 CONTROL | | 1 | 20 | B | 20 | 1 | SPARE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

PANELBOARD: MP4 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | PANELBOARD: SL1 | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | 200 | PANEL RP1 CONTROL | | 1 | 20 | B | 20 | 1 | SPARE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

PANELBOARD: SL5 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|-----------|-----------------------|---|----------|------------|------------------|-----------|-----------------------|----------|---|
| 1 | 675 | LIGHT | STREET LIGHTING NORTH | 2 | 15 | A | 15 | 2 | STREET LIGHTING SOUTH | 675 | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 | |
| 5 | | SPACE | | | A | | | | SPACE | 6 | |
| 7 | | SPACE | | | B | | | | SPACE | 8 | |
| 9 | | SPACE | | | A | | | | SPACE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: RP2 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|------------------|------------------|---|----------|------------|------------------|-----------|------------------|----------|---|
| 1 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | RECEPTACLE SOUTH | 1500 | 2 |
| 3 | 1500 | RECEPTACLE NORTH | | 1 | 20 | B | 20 | 1 | RECEPTACLE SOUTH | 1500 | 4 |
| 5 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | SPARE | 6 | |
| 7 | 1500 | RECEPTACLE SOUTH | | 1 | 20 | B | 20 | 1 | SPARE | 8 | |
| 9 | | SPACE | | | A | | | | SPACE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: RP4 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MLO, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. | |
|----------|------------|------------------|------------------|---|----------|------------|------------------|-----------|------------------|----------|---|
| 1 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | RECEPTACLE SOUTH | 1500 | 2 |
| 3 | 1500 | RECEPTACLE NORTH | | 1 | 20 | B | 20 | 1 | RECEPTACLE SOUTH | 1500 | 4 |
| 5 | 1500 | RECEPTACLE NORTH | | 1 | 20 | A | 20 | 1 | SPARE | 6 | |
| 7 | 1500 | RECEPTACLE SOUTH | | 1 | 20 | B | 20 | 1 | SPARE | 8 | |
| 9 | | SPACE | | | A | | | | SPACE | 10 | |
| 11 | | SPACE | | | B | | | | SPACE | 12 | |

PANELBOARD: MP6 240/120 VOLTS, 1 PHASE, 3 WIRE
100 AMP MAIN BKR, SURFACE MTD.
22000 AIC LABELED

| CIRC NO. | LOAD V. A. | LOAD TYPE | LOAD DESCRIPTION | P | AMP SIZE | W/GRD. BUS | LOAD DESCRIPTION | LOAD TYPE | LOAD V. A. | CIRC NO. |
|----------|------------|----------------------|------------------|---|----------|------------|------------------|-----------|------------|----------|
| 1 | | | PANELBOARD: SL6 | 2 | 60 | A | 60 | 2 | | 2 |
| 3 | | | | 1 | B | 1 | | | | 4 |
| 5 | 400 | TIMECLOCK, PHOTOCELL | | 1 | 20 | A | 20 | 1 | SPARE | 6 |
| 7 | | SPACE | | | B | | | | SPACE | 8 |
| 9 | | SPACE | | | A | | | | SPACE | 10 |
| 11 | | SPACE | | | B | | | | SPACE | 12 |

KEYED NOTES:

- (1) NOTE NOT USED.
- (2) NOTE NOT USED.
- (3) STREET LIGHTING POLE. LETTER DESIGNATES POLE/FIXTURE TYPE. SEE POLE DETAIL SHEET AND LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
- (4) ELECTRICAL POWER MANHOLE. SEE ELECTRICAL DUCTBANK PLANS FOR EXACT LOCATION AND ADDITIONAL INFORMATION. COMMUNICATION CONDUITS SHALL PASS THROUGH MANHOLE UNBROKEN.
- (5) ELECTRICAL COMMUNICATIONS MANHOLE. SEE ELECTRICAL DUCTBANK PLANS FOR EXACT LOCATION AND ADDITIONAL INFORMATION. POWER CONDUITS SHALL PASS THROUGH MANHOLE UNBROKEN.
- (6) (1) 6" CONDUIT WITH PULL ROPE ROUTED TO ALLEY FOR FUTURE WESTAR USE. CAP CONDUIT AND PROVIDE UTILITY MARKER AT GRADE TO INDICATE END OF CONDUIT.
- (7) (1) 4" CONDUIT WITH PULL ROPE ROUTED TO ALLEY FOR FUTURE COX COMMUNICATIONS CABLE ROUTING. CAP CONDUIT AND PROVIDE UTILITY MARKER AT GRADE TO INDICATE END OF CONDUIT.
- (8) (1) 2" RGS CONDUIT WITH PULL ROPE FOR STREET LIGHTING CIRCUITING.
- (9) NOTE NOT USED.
- (10) NOTE NOT USED.
- (11) (6) 6"C. (POWER) AND (6) 4"C. (COMM.) DUCTBANK SEE ELECTRICAL DUCTBANK PLAN DETAILS.
- (12) NOTE NOT USED.
- (13) (1) 2" RGS CONDUIT FOR STREET LIGHTING CIRCUITING AND POLE MOUNTED RECEPTACLE CIRCUITING.
- (14) CONTINUE (2) 2" CONDUIT THROUGH ALLEY AND TO ENCLOSURE FOR STREET LIGHTING AND RECEPTACLE CIRCUITS TERMINATION. SEE SHEET R43 FOR ALLEY PAVEMENT CUT & PATCH DETAIL.
- (15) (1) 2" RGS CONDUIT FOR JOINT USE POLE LIGHTS AT EMPORIA/WATERMAN INTERSECTION.

| | | | |
|---|----------|---------|----------------|
| No. | Revision | By | Date |
| WATERMAN STREET ELEC. STREETScape PLAN STA. 120+00 TO STA. 126+00 JAMES L. ARMOUR, P.E.—CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-84167 Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003 | | | |
| Designed by | SMS | Job No. | 06237 |
| Drawn by | WAN | Date | February, 2007 |
| | | | Sht. E5 of 8 |