# TYPE 170 CONTROLLER SETTINGS

| "WAPITI PROGRAM" | | | | | | | | | | NORMAL DISPLAY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INTERVAL | | PHASE | | | | | | | | TIME CLOCK | | FEATURES | | | | | | |
| | | 1 WBLT | 2 EB | 3 SBLT | 4 NB | 5 EBLT | 6 WB | 7 NBLT | 8 SB | C | | F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| MAX | 0 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | YEAR | VEH RECALL | | | | | X | X | | |
| MAX 2 | 1 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 1 | MONTH | PED RECALL | | | | | X | X | | |
| WALK | 2 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 2 | DAY/MONTH | RED LOCK | | | | | | | | |
| FL DW | 3 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 3 | DAY/WEEK | YEL LOCK | | | | | | | | |
| MAX INIT. | 4 | 0 | 24 | 0 | 0 | 0 | 24 | 0 | 0 | 4 | HOUR | Ø PERMIT | | | | | X | X | | |
| MIN GREEN | 5 | 0 | 23 | 0 | 0 | 0 | 23 | 0 | 0 | 5 | MINUTE | PED PHASES | | | | | X | X | | |
| TBR | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | SECOND | LEAD PHASES | X | X | X | X | | | | |
| TTR | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | DBL ENTRY | | | | | | | | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8 | | SEQUENTIAL | | | | | | | | |
| PASSAGE | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9 | | START UP | | | | | | | | |
| MIN GAP | a | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | a | | OVERLAP A | | | | | | | | |
| ADD ACT | b | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | b | | OVERLAP B | | | | | | | | |
| YELLOW | c | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 3.0 | c | | OVERLAP C | | | | | | | | |
| RED CLR | d | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | d | | OVERLAP D | | | | | | | | |
| RED REV | e | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | e | | EXCLUSIVE | | | | | | | | |
| WALK II | f | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | f | | SIM GAP | | | | | | | | |

## TRAFFIC SIGNAL POLE SUMMARY

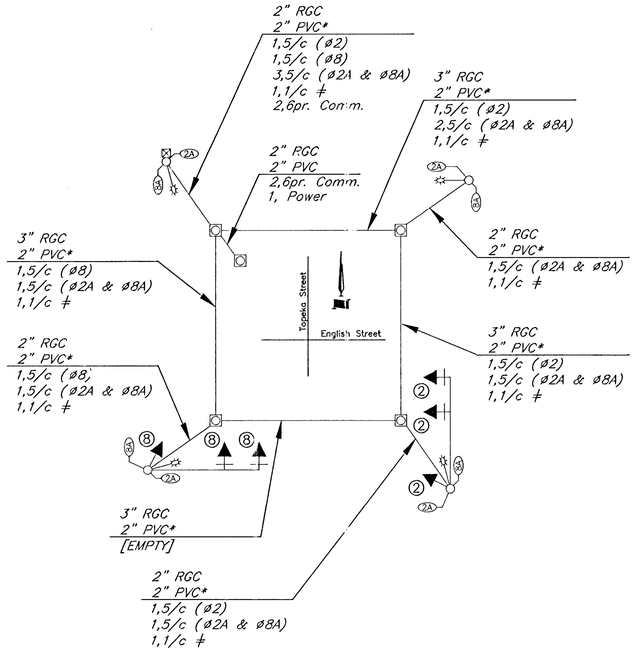
| POLE NO. | STATION | OFFSET/ SIDE | TYPE ① | ARM LENGTH | X1 | X2 | ARM BRACKET TYPE | ARM BRACKET NO. | POLE BRACKET TYPE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4+52 | 29.5' Lt. | D | – | – | – | – | – | II | ② ③ |
| 2 | 5+42 | 31' Lt. | D | – | – | – | – | – | II | ② |
| 3 | 5+45 | 30' Rt. | C | 36' | 22' | 12' | I | 2 | III | ② ④ |
| 4 | 4+65 | 38' Rt. | C | 45' | 34' | 12' | I | 2 | III | ② ④ |
| | | | | | | | | | | |
| | | | | | | | | | | |

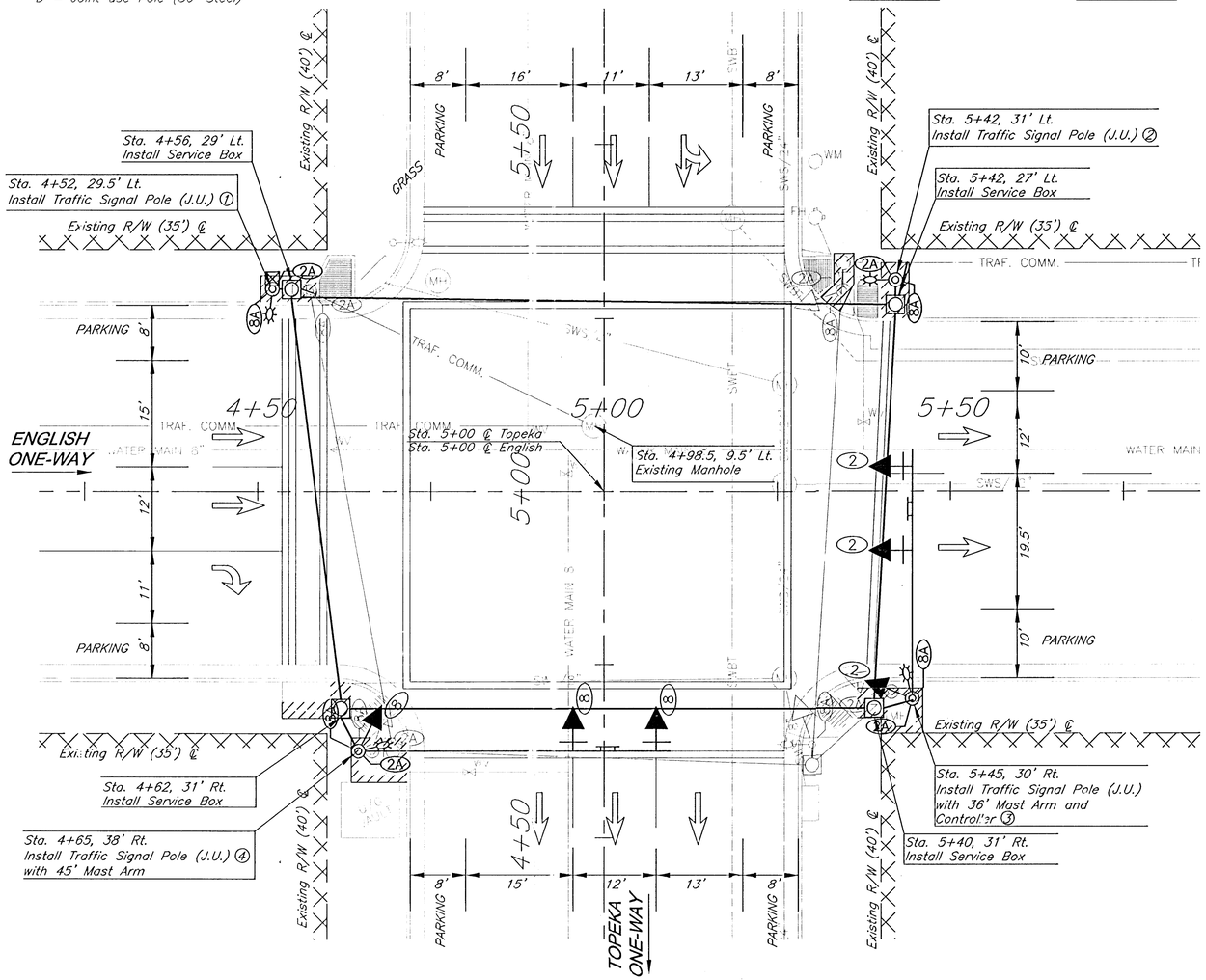
① A – Pedestal Pole (15' Aluminum)
B – Pole (20' Steel with Mast Arm)
C – Joint use Pole (30' Steel with Mast Arm)
D – Joint use Pole (30' Steel)

② R6-1 Sign
③ Meter & Controller Pole Mounted
④ Street Name Sign

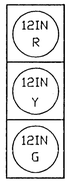
## WIRING DIAGRAM

≠ Denotes #8AWG Equipment Ground
* For Street Lights (Wiring to be installed by Westar Energy)

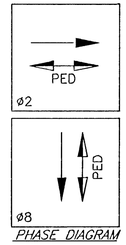



## SIGNAL HEADS

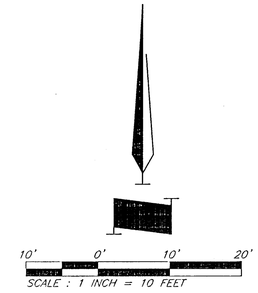



## PHASE DIAGRAM




## LEGEND

| Proposed | Existing | |
|---|---|---|
| ⊠ | ⊠ | Traffic Signal Controller |
| —▶ | —▷ | Traffic Signal Head |
| —▶ | —▷ | Traffic Signal Head with Backplate |
| ◎ | ◎ | Pedestrian Signal Pole |
| ◎— | ◎— | Traffic Signal Pole |
| —☼ | | Luminaire |
| (S2) | | Movement Number |
| (X) | | Pole Number |
| | | Street Name Sign |
| ▣ | ▣ | Signal Service Box |
| ▣ | ▣ | Westar Energy Manhole |
| ● | ● | Westar Energy Wood Pole |
| ⊘ | ⊘ | Westar Energy Metal Pole |
| ◕ | ◕ | SWB Wood Pole |
| ○ | ○ | City Metal Pole |
| FH◇ | FH◇ | Fire Hydrant |
| WV | WV | Water Valve |
| | | Pavement & Walk Removal |




NOTES:
Existing underground (U/G), overhead (O.H.) utilities and drainage structures have been plotted from available information and therefore, their locations must be considered approximate only. It is the responsibility of the individual contractors to exactly locate each utility before actual construction.

Poles to be galvanized prior to black powder coating.

Communication Cable shall be pulled back to existing City Service Box (Sta. 4+98.5, 9.5' Lt.). Contractor to install underground splice and re-route communication cable through new service box to new controller.

All existing traffic signal equipment to be removed unless otherwise noted.

Service boxes within sidewalk shall use a 1981 Deeter Rim and Cover.

Meter Address:
241 S. Topeka

| SHEET NO. | TOTAL SHEETS |
|---|---|
| 6 | 11 |

| NO. | DATE | REVISIONS | BY | APP'D |
|---|---|---|---|---|
| 3 | | | | |
| 2 | | | | |
| 1 | 8/09/02 | PER CITY COMMENTS | RLC | SAC |

CITY OF WICHITA, KANSAS
SEDGWICK COUNTY
TRAFFIC SIGNAL PLAN
TOPEKA & ENGLISH

PROJECT NO. 472-83510 (MS-231001)

GBA GEORGE BUTLER ASSOCIATES, INC.
Engineers · Architects

| DESIGNED | SAC | CHECKED | SAC | PROJ. NO. | 9807.00 |
|---|---|---|---|---|---|
| DRAWN | JDB | | | DATE | JUL. 19, 2002 |

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