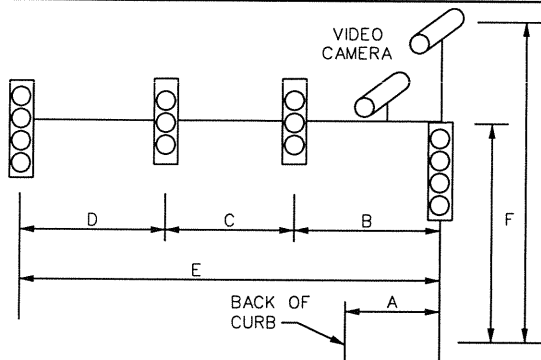


SIGNAL HEAD AND POLE PLACEMENT



SIGNAL HEAD AND POLE PLACEMENT (FEET)

| POLE NO. | A | B | C | D | E | F | FND |
|----------|-----|-----|-----|-----|-----|-----|------|
| T-1 | --- | --- | --- | --- | --- | --- | --- |
| T-2 | --- | --- | --- | --- | --- | --- | --- |
| T-3 | --- | --- | --- | --- | --- | --- | --- |
| T-4 | --- | --- | --- | --- | --- | --- | --- |
| T-5 | 7 | 23 | 11 | 11 | 45 | 19 | 36-A |
| T-6 | 7 | 30 | 12 | --- | 55 | 28 | 36-B |
| T-7 | 5 | --- | --- | --- | 40 | 28 | 36-A |
| T-8 | 5 | 18 | 11 | 11 | 40 | 28 | 36-A |

Q OF POLE

CONDUIT SUMMARY

| SIZE | TYPE | LENGTH (LF) |
|--------|--------|-------------|
| 1" PVC | TRENCH | 50 |
| 3" PVC | TRENCH | 65 |
| 4" PVC | BORE | 420 |
| 4" PVC | TRENCH | 50 |
| 4" RM | BORE | |

GROUND BOX SUMMARY

| TYPE | EA |
|------|----|
| A | 4 |
| C | 1 |

SIGNAL POLE CONDUCTORS

| POLE NUMBER | OPTICOM | 5-CNDR | 7-CNDR | COAX | 3-CNDR |
|-------------|---------|--------|--------|------|--------|
| T-1 | --- | --- | --- | --- | --- |
| T-2 | --- | --- | --- | --- | --- |
| T-3 | --- | --- | --- | --- | --- |
| T-4 | --- | --- | --- | --- | --- |
| T-5 | 65 | 210 | --- | 30 | 30 |
| T-6 | 75 | 150 | --- | 35 | 35 |
| T-7 | --- | 35 | --- | --- | --- |
| T-8 | 60 | 95 | 65 | 35 | 35 |
| TOTAL (LF) | 200 | 490 | 65 | 100 | 100 |

CABLE TERMINATION CHART

| CABLE CONDUCTOR | T-5 (16 CNDR) | | T-6 (16 CNDR) | | T-7 (16 CNDR) | | T-8 (10 CNDR) | | | | | | | | | |
|-----------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|--|--|--|--|--|--|--|--|
| | S.H. NO. | INDICATION | S.H. NO. | INDICATION | S.H. NO. | INDICATION | S.H. NO. | INDICATION | | | | | | | | |
| BLACK | SPARE | | SPARE | | SPARE | | SPARE | | | | | | | | | |
| WHITE | | COMMON | | COMMON | | COMMON | | COMMON | | | | | | | | |
| RED | 13-15 | R | 18-19 | R | SPARE | | 27-29 | R | | | | | | | | |
| GREEN | 13-15 | G | 18-19 | G | SPARE | | 27-29 | G | | | | | | | | |
| ORANGE | 13-15 | Y | 18-19 | Y | SPARE | | 27-29 | Y | | | | | | | | |
| BLUE | SPARE | | SPARE | | SPARE | | SPARE | | | | | | | | | |
| WHT/BLK | | PB COM | | PB COM | | PB COM | | SPARE | | | | | | | | |
| RED/BLK | 30 | DW | 20 | DW | 24 | DW | SPARE | | | | | | | | | |
| GRN/BLK | 30 | W | 20 | W | 24 | W | SPARE | | | | | | | | | |
| ORN/BLK | 16 | Y | SPARE | | 26 | Y | SPARE | | | | | | | | | |
| BLUE/BLK | SPARE | | PB 25 | Ø6 | PB 24 | Ø8 | | | | | | | | | | |
| BLK/WHT | PB 30 | Ø6 | PB 20 | Ø8 | SPARE | | | | | | | | | | | |
| RED/WHT | 16 | R | 25 | DW | SPARE | | | | | | | | | | | |
| GRN/WHT | 16 | G | 25 | W | SPARE | | | | | | | | | | | |
| BLUE/WHT | SPARE | | SPARE | | 26 | G | | | | | | | | | | |
| BLK/RED | SPARE | | SPARE | | 26 | R | | | | | | | | | | |
| WHT/RED | | | | | | | | | | | | | | | | |
| ORN/RED | | | | | | | | | | | | | | | | |
| BLUE/RED | | | | | | | | | | | | | | | | |

SIGNAL HEADS

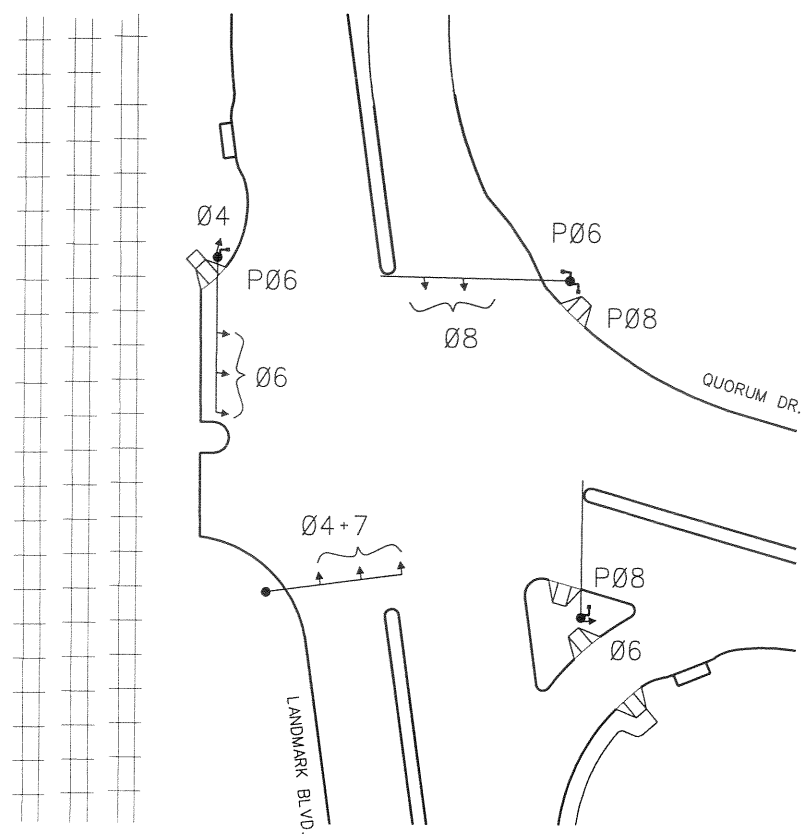
| NO | TYPE | PHASE | BACKPLATE | | SIGNAL HEAD | | PED SIG SEC |
|--------|-------|-------|-----------|-------|-------------|-------|-------------|
| | | | 3 SEC | 4 SEC | 3 SEC | 4 SEC | |
| 13-15 | V3 | Ø6 | 3 | | 3 | | |
| 16 | V3 | Ø4 | 1 | | 1 | | |
| 18-19 | V3 | Ø8 | 2 | | 2 | | |
| 26 | V3 | Ø6 | 1 | | 1 | | |
| 27 | V4LT* | Ø4-7 | | 1 | | 1 | |
| 28-29 | V3 | Ø4 | 2 | | 2 | | |
| 20,24 | PED | Ø8 | | | | | 2 |
| 25,30 | PED | Ø6 | | | | | 2 |
| TOTALS | --- | --- | 9 | 1 | 9 | 1 | 4 |

* -USE GREEN/YELLOW FIBER OPTIC TURN ARROW.

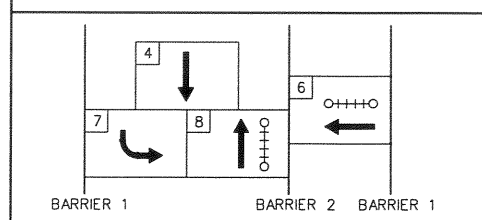
CONDUIT RUNS

| RUN NO. | QUANTITY | SIZE | TYPE | METHOD | *4 XHHW | *6 BARE | COAX CABLE | 4 CNDR OPTICOM | 3 CNDR (VIDEO) | *12 XHHW | *10 CNDR | 16 CNDR | CONDUIT LENGTH | CABLE LENGTH | RUN NO. |
|-----------|----------|------|------|--------|---------|---------|------------|----------------|----------------|----------|----------|---------|----------------|--------------|---------|
| A | 2 | 4" | PVC | Trench | 2 | 1 | 3 | 3 | 3 | | | | 10 | 15 | A |
| B | 2 | 4" | PVC | Trench | | 1 | 3 | 3 | 3 | | 1 | 3 | 15 | 20 | B |
| C | 1 | 4" | PVC | Bored | | 1 | | | | | | 2 | 100 | 110 | C |
| D | 1 | 3" | PVC | Trench | | 1 | 1 | 1 | 1 | | | 1 | 10 | 15 | D |
| E | 1 | 4" | PVC | Bored | | 1 | 1 | 1 | 1 | | | 1 | 115 | 125 | E |
| F | 1 | 3" | PVC | Trench | | 1 | 1 | 1 | 1 | | | 1 | 20 | 25 | F |
| G | 1 | 4" | PVC | Bored | | 1 | 2 | 2 | 2 | | | | 105 | 115 | G |
| H | 1 | 3" | PVC | Trench | | 1 | | | | | | 1 | 20 | 25 | H |
| I | 1 | 4" | PVC | Bored | | 1 | 2 | 2 | 2 | | | 1 | 100 | 110 | I |
| J | 1 | 3" | PVC | Trench | | 1 | 1 | 1 | 1 | | 1 | | 15 | 20 | J |
| K | | | | | | | | | | | | | | | K |
| L | | | | | | | | | | | | | | | L |
| M | | | | | | | | | | | | | | | M |
| N | | | | | | | | | | | | | | | N |
| O | | | | | | | | | | | | | | | O |
| P | | | | | | | | | | | | | | | P |
| Q | | | | | | | | | | | | | | | Q |
| R | | | | | | | | | | | | | | | R |
| S | 1 | 2" | PVC | Trench | 2 | 1 | | | | | | | 50 | 60 | S |
| T | | | | | | | | | | | | | | | T |
| TOTAL(LF) | --- | --- | --- | --- | 150 | 640 | 740 | 740 | 740 | | 55 | 625 | --- | --- | |

SIGNAL HEAD PHASING



NEMA PHASE DIAGRAM



NOTES: Phase 7 is a protected/permissive left turn phase.

7/20/01
 Alan P. McNeil
 REGISTERED PROFESSIONAL ENGINEER
 69951

| | | |
|--|--------------|-----------|
| 1 | FIELD CHANGE | 7/19/01 |
| SIGNAL DESIGN LANDMARK EXTENSION SIGNAL LAYOUT TABLES DEPARTMENT OF PUBLIC WORKS TOWN OF ADDISON, TEXAS | | |
| DESIGN | DRAWN | DATE |
| A.P.M. | E.C.S. | 2/00 |
| SCALE | NOTES | FILE |
| | | |
| AS BUILT | | 40 |