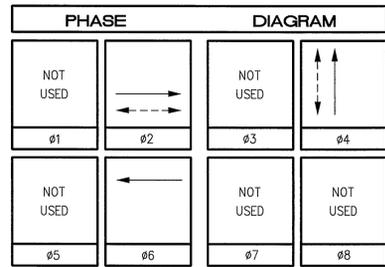


| CONDUCTOR   |                   | TABLE          |    |    |      |    |
|---|-------------------|----------------|----|----|------|----|
| CONTROL FUNCTION  | CONDUCTORS        | CONDUCTOR RUNS |    |    |      |    |
|   |                   | 1              | 2  | 3  | 4    | 5  |
| VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS | 12 CONDUCTOR IMSA | -              | -  | 1  | 3    | 1  |
|   | 9 CONDUCTOR IMSA  | -              | -  | -  | -    | -  |
|   | 5 CONDUCTOR IMSA  | 2              | 2  | 2  | 2    | -  |
|   | 3 CONDUCTOR IMSA  | 2              | 3  | 3  | 4    | 1  |
| DETECTOR CABLE  | #16/2             |                |    |    |      |    |
| PHASE 2   |                   | 2              | 2  | 2  | 2    | -  |
| PHASE 4   |                   | -              | 1  | 1  | 1    | -  |
| PHASE 6   |                   | -              | -  | -  | 2    | -  |
| TOTALS  |                   | 2              | 3  | 3  | 5    | -  |
| EVPE CABLE  | #20/4             | -              | -  | 2  | 2    | -  |
| ISNS  | #12               | -              | -  | 2  | -    | 2  |
| LUMINAIRES  | #8                | -              | -  | 2  | -    | 2  |
| SIGNAL SERVICE  | #6                | -              | -  | -  | 2    | -  |
| CONDUIT SIZE  |                   | 3"             | 3" | 3" | 2-3" | 2" |



PP #37183J



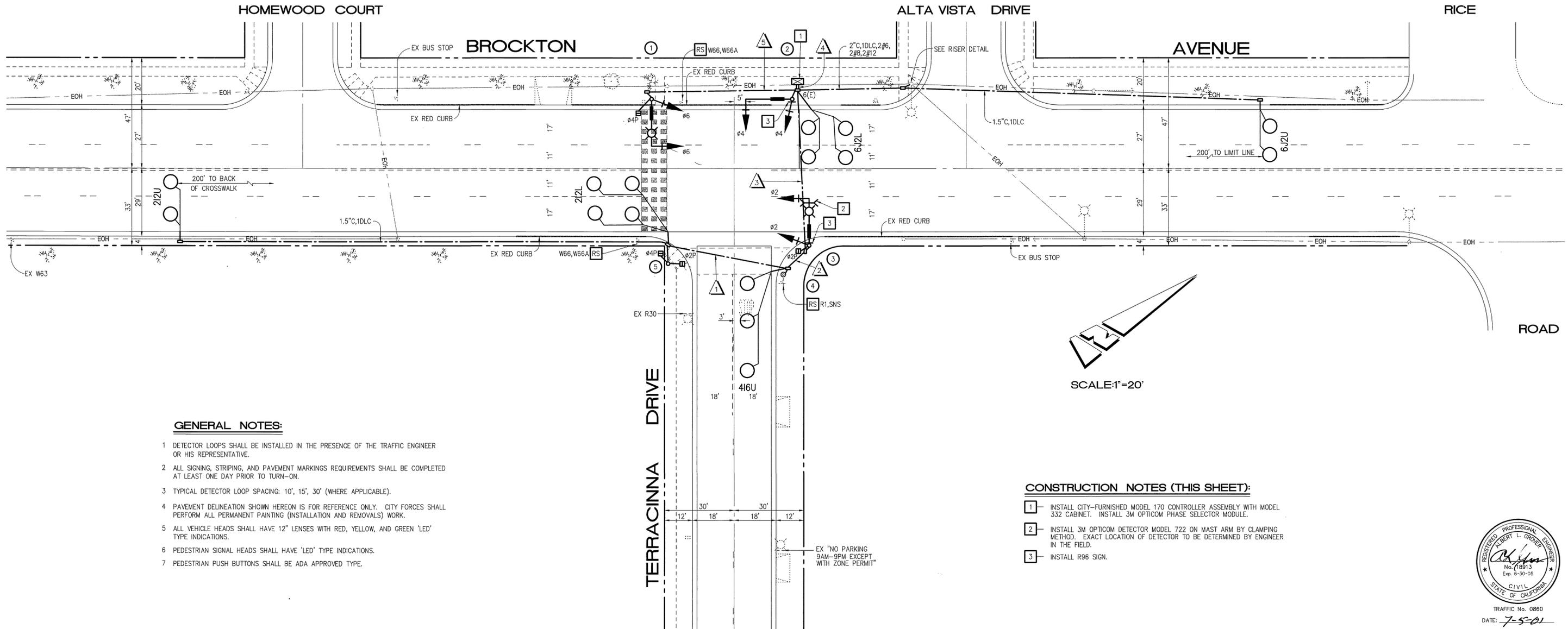
**RISER DETAIL**

INSTALL 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DWG. NO. 612

| POLE |          | SCHEDULE |           |           |         |                    |             |                 |         |        |             |         |
|------|----------|----------|-----------|-----------|---------|--------------------|-------------|-----------------|---------|--------|-------------|---------|
| No.  | TYPE     | STANDARD |           |           |         | LUMINAIRE HPS      | ISNS LEGEND | SIGNAL MOUNTING |         |        | PPB PHASE   | REMARKS |
|      |          | HGT.     | SIG. M.A. | LUM. M.A. | VEHICLE |                    |             | PED             | AUDIBLE |        |             |         |
| 1    | 17-2-80  | 30'      | 20'       | 12'       | 250W    | Terracina Ave 4100 | -           | MAS             | SV-1-T  | SP-1-T | ((C))       | Ø4      |
| 2    | 16-2-80  | 17'      | 20'       | -         | -       | Brockton Ave 4700  | -           | MAS             | SV-1-T  | -      | -           | -       |
| 3    | 17-2-80  | 30'      | 20'       | 12'       | 250W    | Terracina Ave 4100 | -           | MAS             | SV-1-T  | SP-1-T | ((P))       | -       |
| 4    | PPB POST | 3'10"    | -         | -         | -       | -                  | -           | -               | -       | -      | -           | Ø2      |
| 5    | 1-A      | 7'       | -         | -         | -       | -                  | -           | -               | -       | TP-2-T | ((C))/((P)) | Ø2/Ø4   |

NOTE: ALL POLES AND MAST ARMS WILL BE CITY-FURNISHED.

((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED; ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.



**GENERAL NOTES:**

- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- ALL SIGNING, STRIPING, AND PAVEMENT MARKINGS REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- TYPICAL DETECTOR LOOP SPACING: 10', 15', 30' (WHERE APPLICABLE).
- PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY. CITY FORCES SHALL PERFORM ALL PERMANENT PAINTING (INSTALLATION AND REMOVALS) WORK.
- ALL VEHICLE HEADS SHALL HAVE 12" LENSES WITH RED, YELLOW, AND GREEN 'LED' TYPE INDICATIONS.
- PEDESTRIAN SIGNAL HEADS SHALL HAVE 'LED' TYPE INDICATIONS.
- PEDESTRIAN PUSH BUTTONS SHALL BE ADA APPROVED TYPE.

**CONSTRUCTION NOTES (THIS SHEET):**

- INSTALL CITY-FURNISHED MODEL 170 CONTROLLER ASSEMBLY WITH MODEL 332 CABINET. INSTALL 3M OPTICOM PHASE SELECTOR MODULE.
- INSTALL 3M OPTICOM DETECTOR MODEL 722 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR TO BE DETERMINED BY ENGINEER IN THE FIELD.
- INSTALL R96 SIGN.



TRAFFIC No. 0860

DATE: 7-5-01

AGA Job No. : 134-003  
AGA File Name: BROTERSG  
Print Date : 6/18/01  
Last Revision : 6/18/01

**ALBERT GROVER & ASSOCIATES**  
TRANSPORTATION CONSULTING ENGINEERS  
211 E. Imperial Hwy., Suite 208 Fullerton, CA 92835

Underground Service Alert  
Call TOLL FREE  
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TWO WORKING DAYS BEFORE YOU DIG

|   |          |            |                       |  |  |             |
|---|----------|------------|-----------------------|--|--|-------------|
| CITY OF RIVERSIDE, CALIFORNIA<br>DEPARTMENT OF PUBLIC WORKS |          |            |                       | TRAFFIC SIGNAL PLAN                        |  | ACCOUNT NO. |
| APPROVED BY   | DATE     | BY         | APPROVED BY           | BROCKTON AVENUE AT TERRACINA DRIVE         |  |             |
| PRINCIPAL ENGINEER  | 8/14/01  | R. McEath  | PUBLIC WORKS DIRECTOR | X-167                                      |  |             |
| INSPECTION  | 8/14/01  | RC         |                       | SHEET ___ OF ___                           |  |             |
| TRAFFIC DIVISION  | 8/13/01  | CS         |                       | HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = - |  |             |
| CHIEF P. W. ENGINEER  | 8/16/01  | TG         |                       |  |  |             |
| PUBLIC UTILITIES  | 8/20/01  | GA         |                       |  |  |             |
| DESIGNED BY   | DRAWN BY | CHECKED BY | DATE                  |  |  |             |