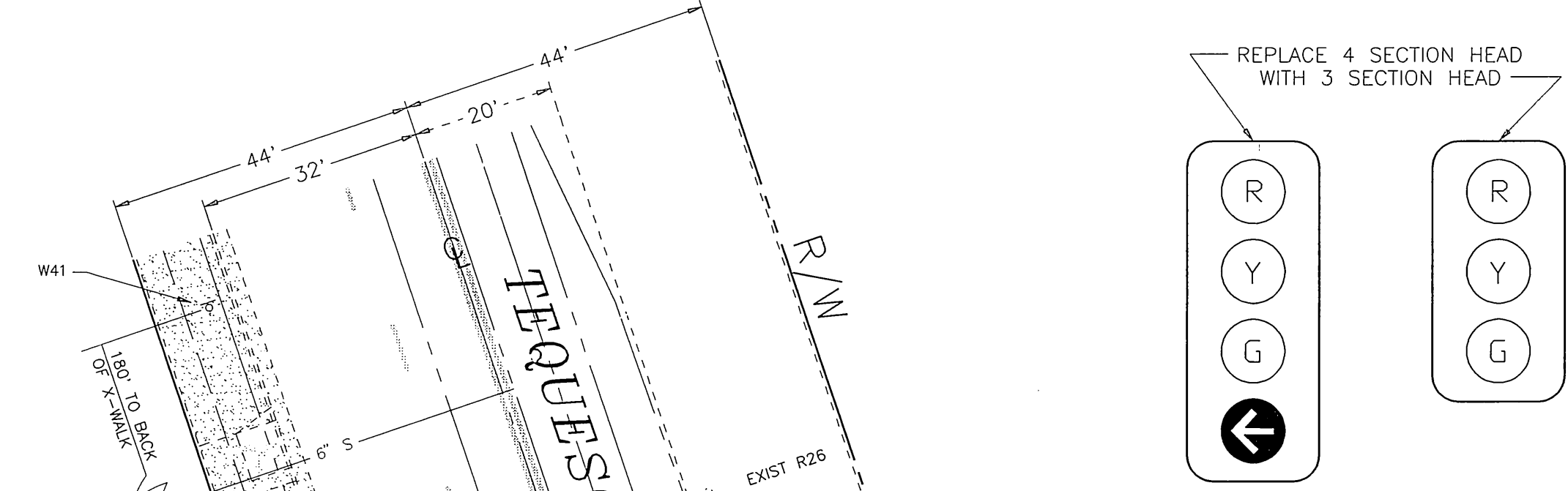
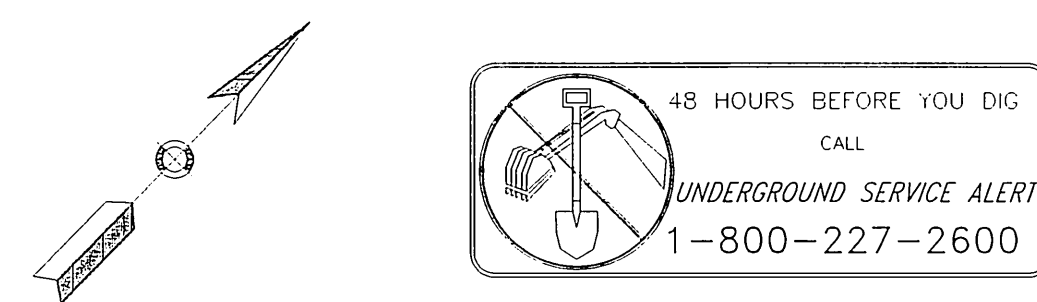


| CONDUCTOR | | TABLE | | | | | | | | | |
|---|---|-----------|----|----|-------|------|------|----|----|----|---|
| CONTROL FUNCTION | CONDUCTORS | CONDUCTOR | | | | | RUNS | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1c | |
| VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS | 12 WIRE IMSA 9 WIRE IMSA 5 WIRE IMSA 3 WIRE IMSA | 1 | 1 | 1 | 2 | 3 | - | - | - | - | - |
| DETECTOR CABLE | #16/2 | - | - | - | - | - | - | - | - | - | |
| PHASE 1 (NEW) | | - | - | - | 1 | - | - | - | - | - | |
| PHASE 2 | | - | - | - | 2 | - | - | - | - | - | |
| PHASE 3 (NOT USED) | | - | - | - | - | - | - | - | - | - | |
| PHASE 4 | | - | - | - | 3 | 3 | - | - | - | - | |
| PHASE 5 | | - | - | - | 1 | 1 | - | - | - | - | |
| PHASE 6 | | - | - | - | 2 | 2 | - | - | - | - | |
| PHASE 7 (NOT USED) | | - | - | - | - | - | - | - | - | - | |
| PHASE 8 (NEW) | | - | - | - | 1 | 1 | - | - | - | - | |
| TOTALS | | - | - | - | 1 | 3 | 4 | 10 | 3 | 3 | |
| INTERCONNECT CABLE | #19 | - | - | - | - | - | - | - | - | - | |
| I.I.S.N.S. | #12 | 2 | 2 | 2 | 2 | - | - | 2 | 2 | - | |
| LUMINAIRES | #8 | 2 | 2 | 2 | 2 | - | - | 2 | 2 | - | |
| SIGNAL SERVICE | #6 | - | - | - | 2 | 2 | - | - | - | - | |
| CONDUIT SIZE | | 2" | 2" | 2" | 3" | 2-3" | 2" | 2" | 2" | - | |
| (E)=EXISTING (N)=NEW | | N | N | N | N & E | E | E | E | N | - | |

NOTES: 1. CONDUCTORS INCLUDE FUTURE PHASE 2 PED AND PPB. SIGNAL SYSTEM SHALL HAVE NEW CABLES AND CONDUCTORS.



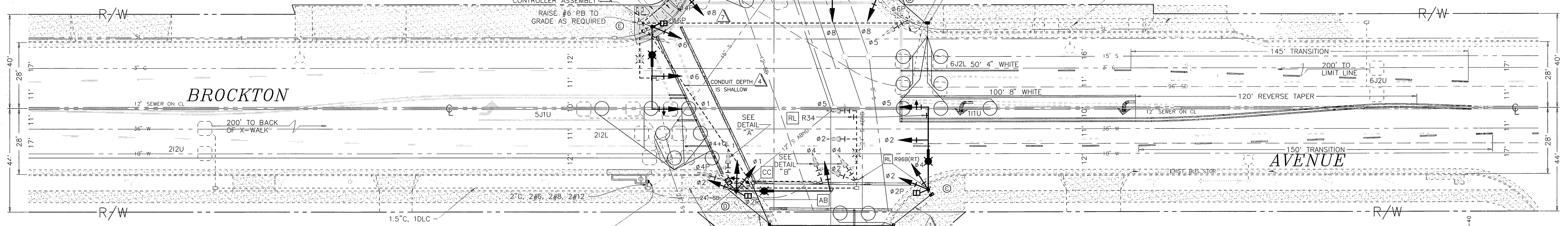
DETAIL "B"
NO SCALE

| EQUIPMENT | | SCHEDULE | | | | | | | | | | | |
|-----------|----------------------|----------|--------|----------|-------------------|------------------|--------------------|-----------|------------|------------|------------|-------------|---------------------------|
| NO. | SIGNAL STANDARD TYPE | HEIGHT | M.A. | H.P.S.V. | I.I.S.N.S. LEGEND | SIGNAL MOUNTINGS | | | PPB PHASE | REMARKS | | | |
| | | | | | | VEHICLE | PEDESTRIAN | AUDIBLE | | | | | |
| (A) | 17-2-80(R) | 30' | 20'(E) | 12'(E) | 250W(E) | BROCKTON(N) | AV ₂₅₀₀ | MAS(E) | SV-1-T(E) | | | SEE NOTE 7 | |
| (B) | 1A(E) | 10' | | | | | | TV-1-T(E) | SP-1-T(E) | ((IC)) (E) | 6(E) | | |
| (C) | 24-4-80(N) | 30' | 35'(N) | 12'(R) | 250W(R) | TEQUESQUITE(R) | AV ₂₅₀₀ | MAS(R) | SV-3-TA(N) | SP-1-T(N) | ((IC)) (N) | 2(N) | SEE NOTE 8 AND DETAIL "B" |
| (D) | 26-4-80(N) | 30' | 40'(N) | 12'(N) | 250W(N) | BROCKTON(R) | AV ₄₈₀₀ | MAS(R) | SV-3-TA(R) | SP-2-T(N) | ((IC)) (N) | 2(N) | SEE NOTE 9 AND DETAIL "B" |
| (E) | 24-4-80(N) | 30' | 35'(N) | 12'(N) | 250W(N) | TEQUESQUITE(R) | AV ₂₅₀₀ | MAS(N) | SV-1-T(N) | SP-1-T(R) | ((IC)) (R) | 4(R) | SEE NOTE 10 |
| (F) | 1A(N) | 10' | | | | | | TV-1-T(N) | SP-1-T(R) | ((IP)) (R) | 6(R) | SEE NOTE 11 | |

(E)=EXISTING (N)=NEW (R)=RELOCATE

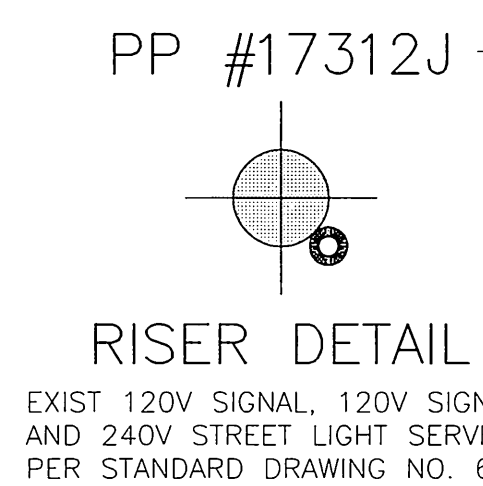
NOTES:

- ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
- ALL LEFT TURN HEADS SHALL HAVE ALL ARROWS.
- ((IC)) OR ((IP)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((IC)) INDICATES CUCKOO SOUND; ((IP)) INDICATES PEEP-PEEP SOUND.
- REMOVE AND SALVAGE ALL SIGNAL EQUIPMENT NOT TO BE REUSED.
- PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
- LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.
- RL 17-2-80 POLE, MAST ARM, VEHICLE HEADS, LUMINAIRE ASSEMBLY AND OTHER EQUIPMENT FROM LOCATION (E) TO LOCATION (A) AND PROVIDE NEW EQUIPMENT OS INDICATED.
- RL VEHICLE HEADS, LUMINAIRE ASSEMBLY AND OTHER EQUIPMENT TO NEW LOCATION AND PROVIDE NEW EQUIPMENT AS INDICATED.
- RL VEHICLE HEADS, PEDESTRIAN HEAD AND OTHER EQUIPMENT TO NEW POLE AND PROVIDE NEW EQUIPMENT AS INDICATED.
- RL PEDESTRIAN HEAD, I.I.S.N.S. AND OTHER EQUIPMENT TO NEW POLE AND MAST ARM AND PROVIDE NEW EQUIPMENT AS INDICATED.
- RS 7' 1A POLE. RL PEDESTRIAN HEAD AND OTHER EQUIPMENT TO NEW POLE AND PROVIDE NEW EQUIPMENT AS INDICATED. INSTALL NEW POLE ON EXISTING FOUNDATION.



CONSTRUCTION NOTES

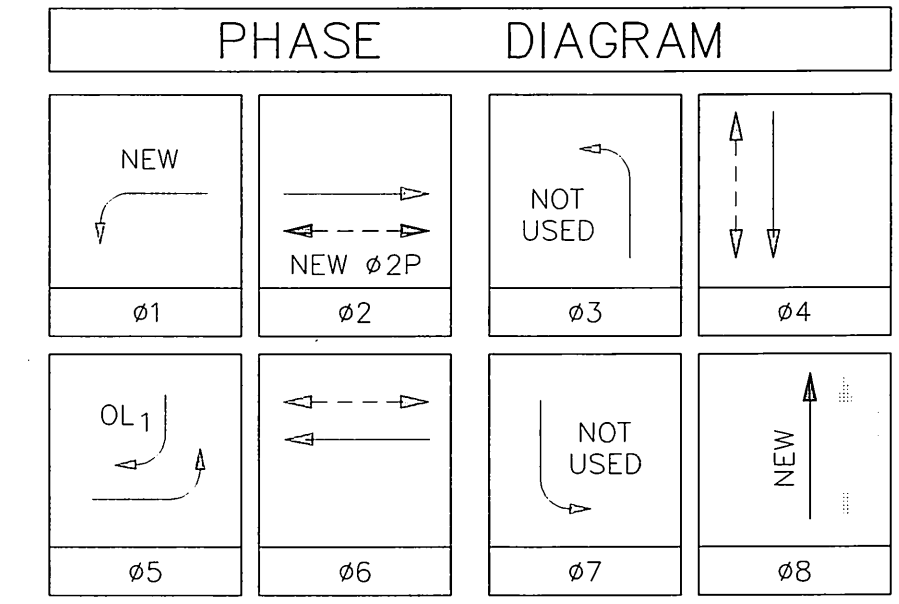
- 200 CONSTRUCT P.C.C. CURB AND GUTTER PER C/R STANDARD DRAWING NO. 200 (6" C.F.)
- 325 CONSTRUCT SIDEWALK PER C/R STANDARD DRAWING NO. 325.
- ABB C CONSTRUCT CASE C WHEELCHAIR RAMP PER CALTRANS STD. PLAN NSP ABB.



RISER DETAIL
EXIST 120V SIGNAL, 120V SIGN AND 240V STREET LIGHT SERVICE PER STANDARD DRAWING NO. 612.

| DETECTOR SCHEDULE | | |
|-------------------|-----------------|----------|
| LOOP DESIGNATION | NUMBER OF LOOPS | FEATURES |
| 11U(N) | 3(N) | |
| 212U(E) | 2(E) | |
| 212L(E) | 4(N) | |
| 416U(E) | 3(E) | |
| 416L(E) | 3(E) | △ |
| 417U(N) | 2(N) | |
| 5JU(E) | 3(N) | |
| 6J2U(E) | 2(E) | |
| 6J2L(E) | 4(N) | |
| 8JU(N) | 4(N) | |

(N) = NEW (E) = EXISTING
NOTE: DETECTORS SHALL BE 2-CHANNEL RACK MOUNTED.
△ = DELAY



FLASHING OPERATION: ALL RED.

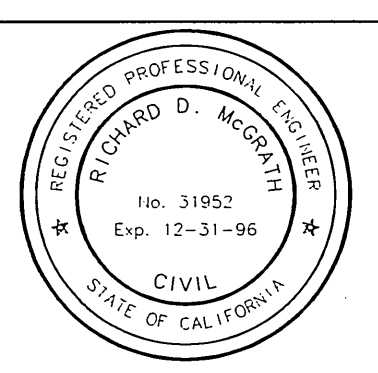
GENERAL NOTES

- DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- TYPICAL DETECTOR LOOP SPACING: 10', 15'.
- PAVEMENT DELINEATION SHOWN HEREON IS FOR REFERENCE ONLY. CITY FORCES SHALL PERFORM ALL PERMANENT PAINTING (INSTALLATION AND REMOVALS) WORK.
- ALL SIGNING, STRIPING AND PAVEMENT MARKING REQUIREMENTS, SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- SEE PLAN R-3433 FOR STREET IMPROVEMENTS.

PAVEMENT DELINEATION

- FOR REFERENCE ONLY
- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN UNLESS OTHERWISE INDICATED.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.

ENGINEER IN RESPONSIBLE CHARGE
Richard D. McGrath
R.I.C.E. NO. 31952 EXPIRES 12-31-96
DATE 4-23-96



| MARK | REVISIONS | APP'D | DATE |
|------|-----------|-------|------|
| | | | |

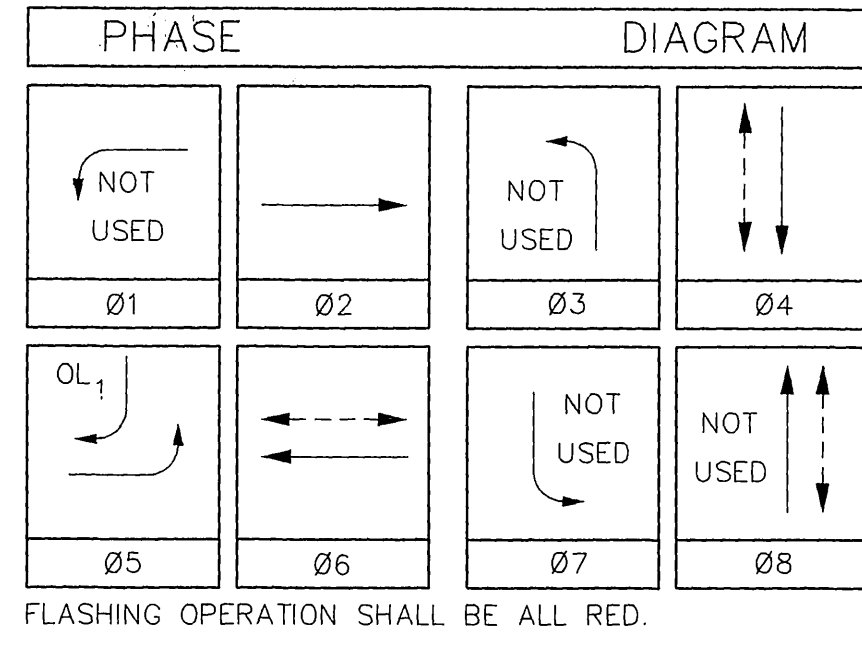
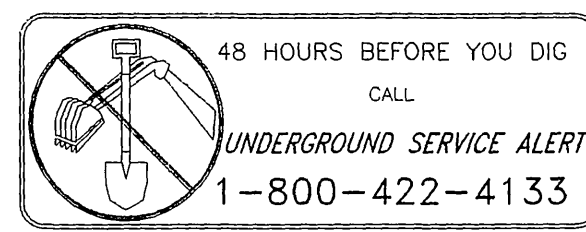
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
DATE: 4/23/96

TRAFFIC SIGNAL REVISION
BROCKTON AVENUE AND TEQUESQUITE AVENUE
X-370A
SHEET 1 OF 1
FILE NAME: X370A.DWG

INDEXED 4/24/96
FILE W/R-3433

| CONDUCTOR | | TABLE | | | | | |
|---|---------------|------------|--------------|----|------|----|----|
| CONTROL FUNCTION | CONDUCTORS | | CONDUIT RUNS | | | | |
| | I.M.S.A. SIZE | INSULATION | 1 | 2 | 3 | 4 | 5 |
| VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS | #12 | P.E. | 1 | 2 | 3 | | |
| | 9 | | | | 1 | | 1 |
| | 5 | | 1 | 2 | 3 | 1 | 1 |
| | 3 | | | 1 | 4 | 1 | 1 |
| DETECTOR CABLE | #16/2 | P.E. | | | | | |
| PHASE 1 | | | | | | | |
| PHASE 2 | | | | 2 | 2 | | |
| PHASE 3 | | | | | | | |
| PHASE 4 | | | | | 2 | 2 | |
| PHASE 5 | | | | 1 | 1 | | |
| PHASE 6 | | | | | 2 | | 2 |
| TOTALS | #16/2 | P.E. | 3 | 7 | 2 | 2 | |
| INTERCONNECT CABLE | #19 | P.E. | | | | | |
| I.I.S.N.S. | #12 | T.W. | 2 | 2 | | | |
| LUMINAIRES | #8 | T.H.W. | 2 | 2 | | | |
| SIGNAL SERVICE | #6 | T.W. | 2 | 2 | | | |
| CONDUIT SIZE | | | 2" | 3" | 2-3" | 2" | 2" |

NOTE:
1. I.M.S.A. cable is required as applicable. Applies to signal heads and pedestrian push buttons only.



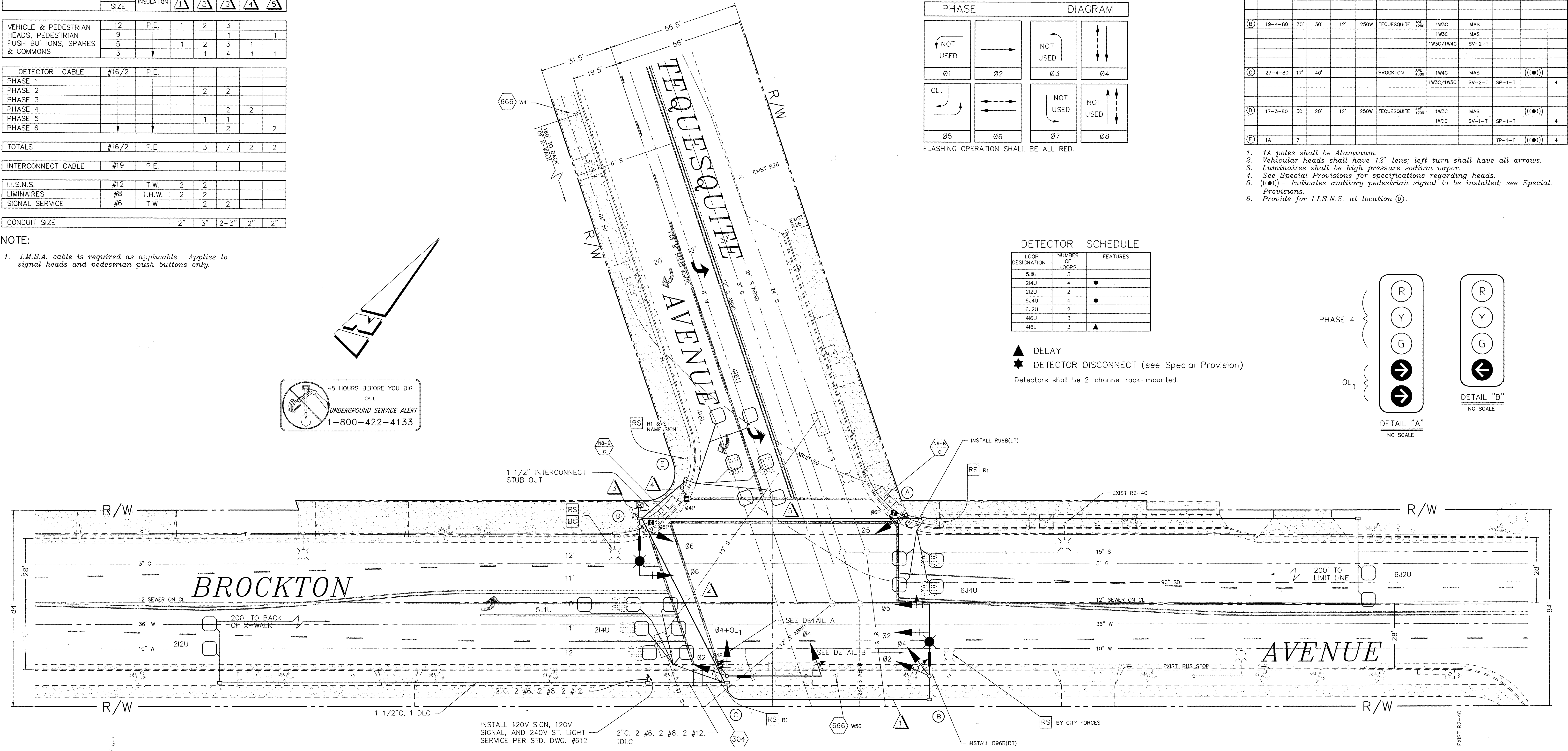
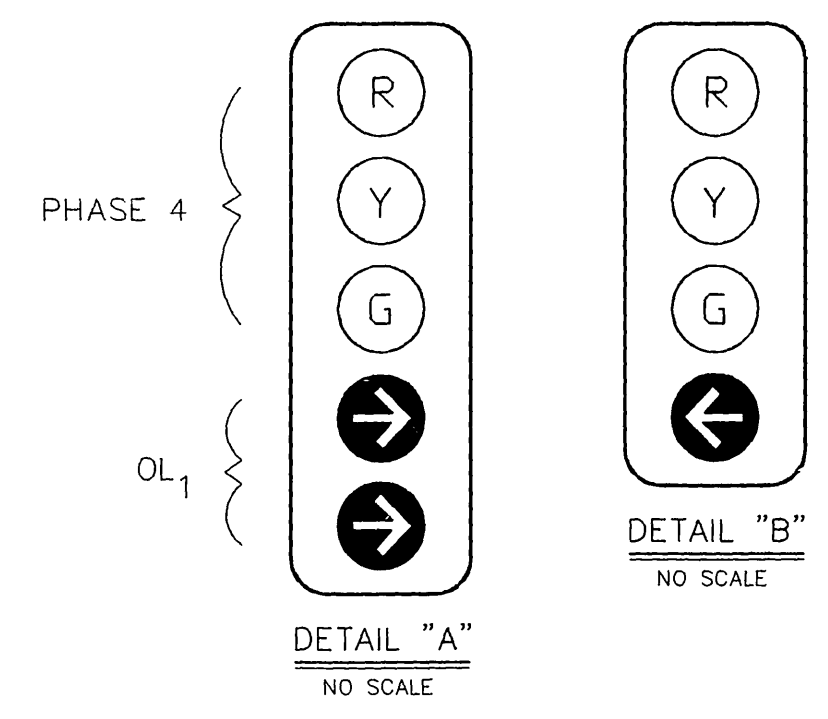
| STANDARD | | POLE | | SCHEDULE | | SIGNAL | | SIGNAL MOUNTING | | PPB | |
|----------|---------|------|-----------|-----------|---------------------------|-----------|---------|-----------------|---------|-------|---|
| No. | TYPE | HGT. | SIG. M.A. | LUM. M.A. | I.I.S.N.S. LEGEND | HEAD | VEHICLE | PED. | AUDIBLE | PHASE | |
| (A) | 1A | 10' | | | | 1W3C | TV-1-T | SP-1-T | ((1)) | 6 | |
| (B) | 19-4-80 | 30' | 30' | 12' | 250W TEQUESQUITE AVE 4250 | 1W3C | MAS | | | | |
| | | | | | | 1W3C | MAS | | | | |
| | | | | | | 1W3C/1W4C | SV-2-T | | | | |
| (C) | 27-4-80 | 17' | 40' | | BROCKTON AVE 4600 | 1W4C | MAS | | ((1)) | 4 | |
| | | | | | | 1W3C/1W5C | SV-2-T | SP-1-T | | | |
| (D) | 17-3-80 | 30' | 20' | 12' | 250W TEQUESQUITE AVE 4250 | 1W3C | MAS | | ((1)) | 4 | |
| | | | | | | 1W3C | SV-1-T | SP-1-T | | | |
| (E) | 1A | 7' | | | | | | | TP-1-T | ((1)) | 4 |

- 1A poles shall be Aluminum.
- Vehicle heads shall have 12" lens; left turn shall have all arrows.
- Luminaires shall be high pressure sodium vapor.
- See Special Provisions for specifications regarding heads.
- ((1)) - Indicates auditory pedestrian signal to be installed; see Special Provisions.
- Provide for I.I.S.N.S. at location (D).

DETECTOR SCHEDULE

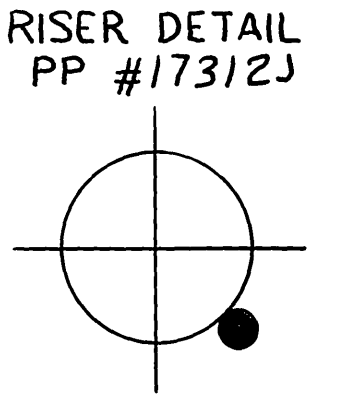
| LOOP DESIGNATION | NUMBER OF LOOPS | FEATURES |
|------------------|-----------------|----------|
| 5JU | 3 | |
| 214U | 4 | * |
| 212U | 2 | |
| 6J4U | 4 | * |
| 6J2U | 2 | |
| 46U | 3 | |
| 46L | 3 | ▲ |

- ▲ DELAY
 - * DETECTOR DISCONNECT (see Special Provision)
- Detectors shall be 2-channel rack-mounted.



- GENERAL NOTES
- 1 - Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
 - 2 - All signing, striping, and pavement marking requirements shall be completed at least one day prior to turn-on.
 - 3 - Typical detector loop spacing: 10', 15', and 30' (where applicable).
 - 4 - Pavement Delineation shown hereon is for reference only. City forces shall perform all permanent painting (installation and removals) work.

- CONSTRUCTION NOTES
- 1 - Signs not shown on plan to be replaced with W41 signs and exist as follows.
Brockton Ave. (NB) - 1 ea. W17
Brockton Ave. (SB) - 1 ea. W17
 - 2 - Pavement markings not shown on plan to be removed and replaced with "SIGNAL AHEAD"
Brockton Ave. (NB) - 1 ea. "STOP AHEAD"
Brockton Ave. (SB) - 1 ea. "STOP AHEAD"
 - 3 - W41 to be installed on street light pole at location designated in the field.



- PAVEMENT DELINEATION
- Indicates striping and pavement markings to be installed.
 - Indicates striping and pavement markings to remain.
 - Indicates striping and pavement markings to be removed.
- Pavement markings not shown on plan to be removed as follows:
Brockton Ave. (NB)
Brockton Ave. (SB)

FOR REFERENCE ONLY: SEE SPECIAL PROVISIONS REGARDING PAVEMENT DELINEATION



FEDERAL AID PROJECT NO. STPLG-5058(7)
Contractor's License Requirement: "A" or "C-10"

| | | | | | | |
|--|--|---|----------------------------------|--|---|--------------------------------------|
| ENGINEER IN RESPONSIBLE CHARGE <i>Richard D. McGrath</i> RICHARD D. McGRATH R.C.E. No. 31952 expires 12/31/96 DATE 6/22/93 | | CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS | | TRAFFIC SIGNALS BROCKTON AVENUE AND TEQUESQUITE AVENUE | | ACCT. NO. 430-541600-440125-35019 |
| | | APPROVED BY: [Signature] DATE: 6/24/93 | BY: [Signature] DATE: 6/24/93 | TRAFFIC DIVISION CHIEF P.W. ENGR. [Signature] PUBLIC UTILITIES [Signature] | DIRECTOR OF PUBLIC WORKS DATE: 6/24/93 | SCALE: 1" = 20' |