

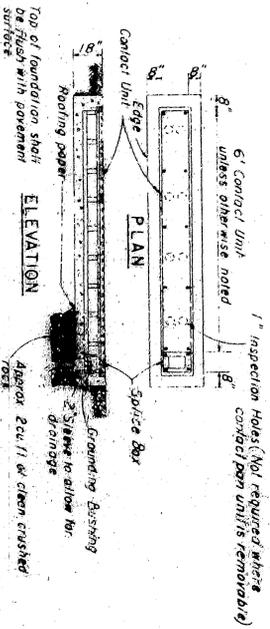
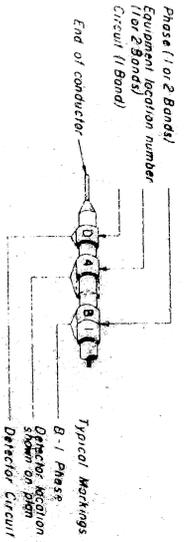
DATE	SCALE	PROJECT NO.	SHEET NO.

SYMBOLS

PROPOSED	EXISTING

TYPICAL BANDING OF CONDUCTOR ENDS

NO SCALE



INSTALLATION NOTES

CONDUIT

- Unless otherwise indicated, service and detector runs and conduit into sign structures foundations shall be 1/2 inch and all other conduit shall be not less than 1/2 inch.
- Conduit shall be installed at minimum 6 inches above grade in sidewalk areas and at minimum 18 inches above grade or finished surface in all other areas, unless otherwise indicated. Conduit shall be installed within curbed dividing strips constructed on existing pavement may be laid on and secured to the pavement.
- Conduit runs parallel to curbs shall be placed adjacent to back of curb, except where in conflict with existing utilities.
- Existing underground conduit to be incorporated into new systems shall be covered with 6 inch or more of compacted gravel.

- Conduit terminating in standards and pedestals shall extend 2" max. above finished top of foundation and shall slope toward the handhole.

- Service runs shall be terminated with a service head or shall be sealed to prevent the entrance of water as approved by the serving utility.

PULL BOXES

- Pull boxes shown in the vicinity of curbs shall be placed adjacent to back of curb, except when in conflict with existing facilities.
- Top of pull boxes shall be flush with top of curb or sidewalk grade or 1" above surrounding ground when no finished grade is established.
- Pull boxes shown adjacent to standards shall be installed against but not on roadway side of foundation.

CONDUCTORS AND WIRING

- Signal neutral shall be a separate #10 AWG conductor.
- Conductors between bollards or transformers and luminaires shall be #10 AWG, 600 volt.
- Conductors between series-to-multiple transformers and sign switch shall be #10 AWG, 600 volt.
- Number of conductors indicated in signal system conduit includes 3 #14 #16 gages.
- Conductors shall be identified with bands.
- Underground conductors to signals shall be run without splices, except that where existing signals are being modified, signal conductors may be spliced where indicated.
- Neutral conductors may be spliced in pull boxes.
- Two feet of slack shall be provided in each conductor in each pull box.
- A separate conductor other than neutral shall be run from each detector or pedestrian push button to controller cabinet.
- Color coding for wiring to pedestrian signals shall be as specified for corresponding vehicular green and red indications.

If one side of secondary circuit of series-to-multiple transformers shall be grounded in structures the grounding electrode shall be installed through system of pull box.

SIGNAL EQUIPMENT

- Pressure detectors shall be 5 feet long, non-directional, unless otherwise indicated.
- Detector position dimensions refer to contact unit.
- Top of detector foundation shall be flush and true with pavement surface.
- Detector contact unit surface shall be level with rim of frame or no more than 1/8-inch higher.

- Vehicular and pedestrian signal mountings shall be oriented so as to provide maximum horizontal clearance to adjacent roadway.

ELECTROLUMES

- A Mercury-vapor lamp ballast shall be installed in a pull box adjacent to each electro-lum, except as indicated.

FOUNDATIONS

- Top of foundations for standards shall be level with local curb in curbed areas or 6 inches above surrounding grade in other areas.
- Except as indicated, standards shall be installed with 2 foot clearance to face of curb, edge of shoulder, back of dikes, and back of ditches.

GENERAL DETAILS

TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

PROJECT NO.	CITY OF SAN FRANCISCO
PROJECT AREA NO.	
DATE	
DESIGNED BY	AC HUNT
CHECKED BY	
DATE	
DESIGNED BY	
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