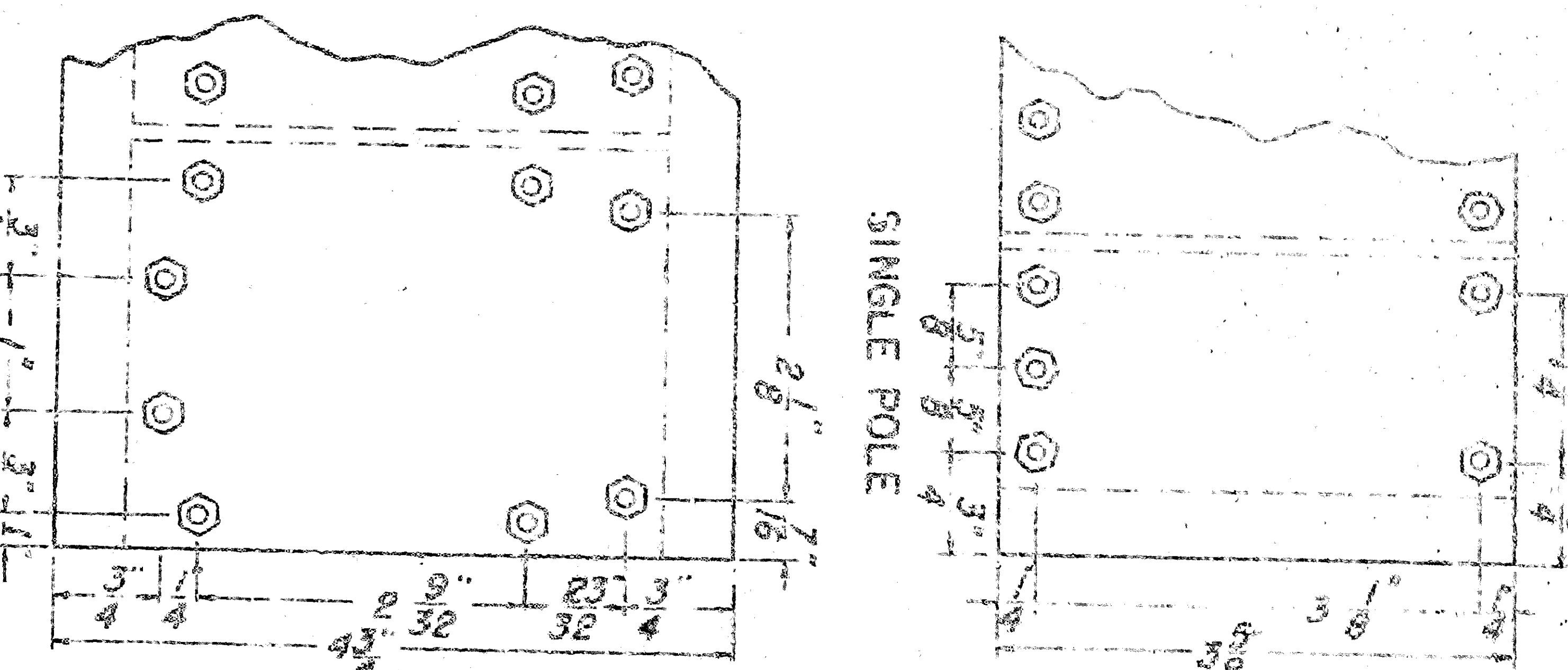


1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
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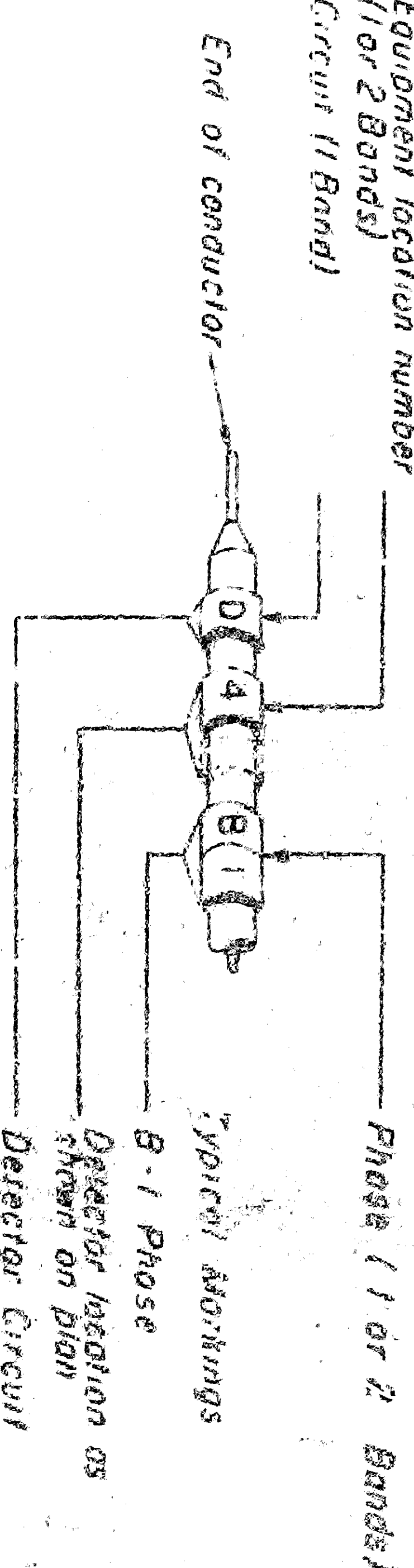


SUB-BASES FOR RELAYS

SYMBOLS

PROPOSED	EXISTING	DESCRIPTION
		Signal console
		Lighting conductor
		Pull box
		Lamp post
		Detector
		Non-directional pressure detector
		Directional magnetic detector
		Directional pressure detector
		Controller
		Traffic signal each arrow and way three color
		Traffic signal one way three-color with backplate
		Traffic signal one way three-color with backplate (Type I standard unless otherwise specified)
		Traffic signal one way three-color with backplate (Type II standard)
		Traffic signal one way three-color with backplate (Type III standard)
		Walk-way pedestrian signal
		Pedestrian signal, 2-color hand
		Most arm traffic signal with backplate (Type II standard)
		Electrician, most arm type (Type X standard)
		Electrician, upright type
		Pedestrian push button on post
		Power pole
		Fire hydrant
		Flashing beacon, one-way
		Traffic signal with all colors lowered
		Overhead conductor
		Ultra-sonic detector (Side View type)
		Inductive loop detector

TYPICAL BANDING OF CONDUCTOR ENDS



INSTALLATION NOTES

- CONDUIT**
- Unless otherwise indicated, service conductors shall be run with signal structure foundations shall be first and other conductors shall be installed thereafter.
 - Conduit shall be installed in minimum depth of 18" grade in sidewalk areas and 24" minimum depth grade or less in road areas. In all other areas, grade existing pavement may be used on or over the pavement.
 - Conduit runs parallel to curbs shall be placed adjacent to back of curb except where in conflict with existing facilities.
 - Existing underground conduit to be incorporated into new systems shall be cleaned with a mallet and blown out with compressed air.
 - Conduit terminating in standards and pedestals shall extend 2" max. above finished top of foundation and shall slope toward the standard.
 - Service risers shall be terminated with a service head or shall be needed to prevent the entrance of water, as approved by the serving utility.
- PULL BOXES**
- Pull boxes in the vicinity of curbs shall be placed adjacent to back of curb except when shown otherwise on the plan or when in conflict with existing facilities.
 - Top of pull boxes shall be flush with top of curb or sidewalk grade or 1" above surrounding grade 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 boxes or transformers and luminaires shall be #14 AWG, 600 volt.
 - Number of conductors indicated in signal system conductor inclusions shall be #14 AWG wires.
 - Conductors shall be identified with bands.
 - Underground conductors to signals shall be run without splice except at 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; excess shall be stored in a separate container other than signal cabinet, from each detector or pedestrian push button to curb, in a separate container.
 - Color coding for wiring to pedestrian signals shall be as selected for corresponding vehicular green and red indicators.
 - One side of secondary circuit of service-to-signal transformers shall be grounded to structures; the grounding electrode shall be the conductor bottom of pull box.

SIGNAL EQUIPMENT

- Pressure detectors shall be 6 feet long, non-directional unless otherwise indicated.
- Detector position dimensions refer to center line.
- Top of detector foundation shall be flush and true with pavement surface.
- Detector control unit surface shall be level with rim of frame or no more than 1/8" high.
- The mounting bracket dimension between the axis thru center of signal head and center of terminal compartment, or slip-fitter, shall not be greater than 11" except where shown otherwise on the plans, or as directed by the Engineer.
- Vehicular and pedestrian signal mountings shall be oriented so as to provide maximum horizontal clearance to adjacent roadway.

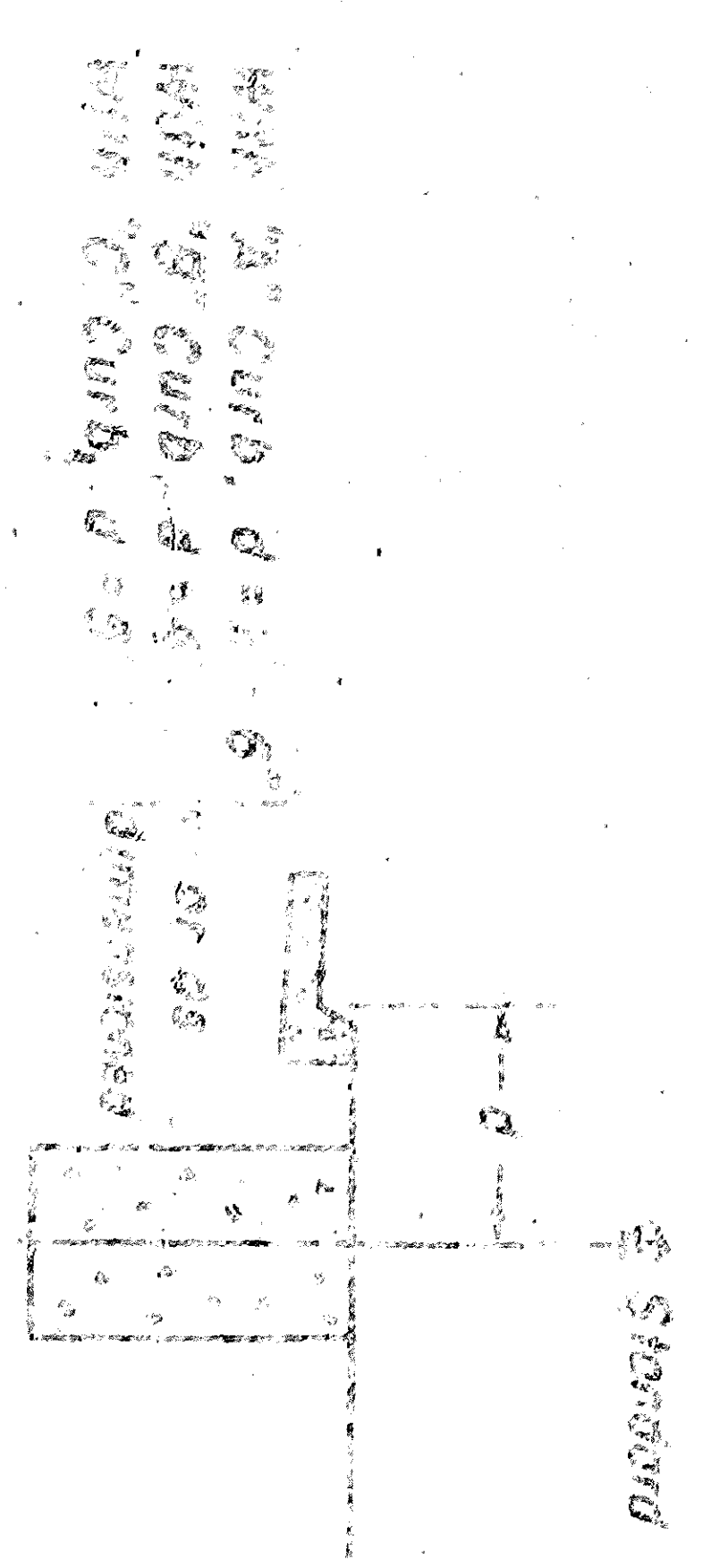
STANDARDS AND POSTS

- Type I standards shall be 1-C.
- Guard posts shall be installed a minimum of 2' clear of curb face.
- Pedestrian push button post installed within the area of curb return shall be of a minimum of 3' clear of curb face.

FOUNDATIONS

- Unless otherwise shown on the plans, the top of foundations for standards shall be level with top of curb in curbed areas or 5 inches above surrounding grade in other areas.
- Unless otherwise shown on the plans, foundations shall be installed with 2 foot clearance to edge of paved shoulder.

GENERAL DETAILS



FOUNDATION INSTALLATION BOUND CURB

TRAFFIC SIGNAL AND LIGHTING INSTALLATIONS

