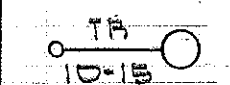
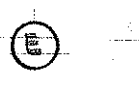
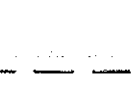
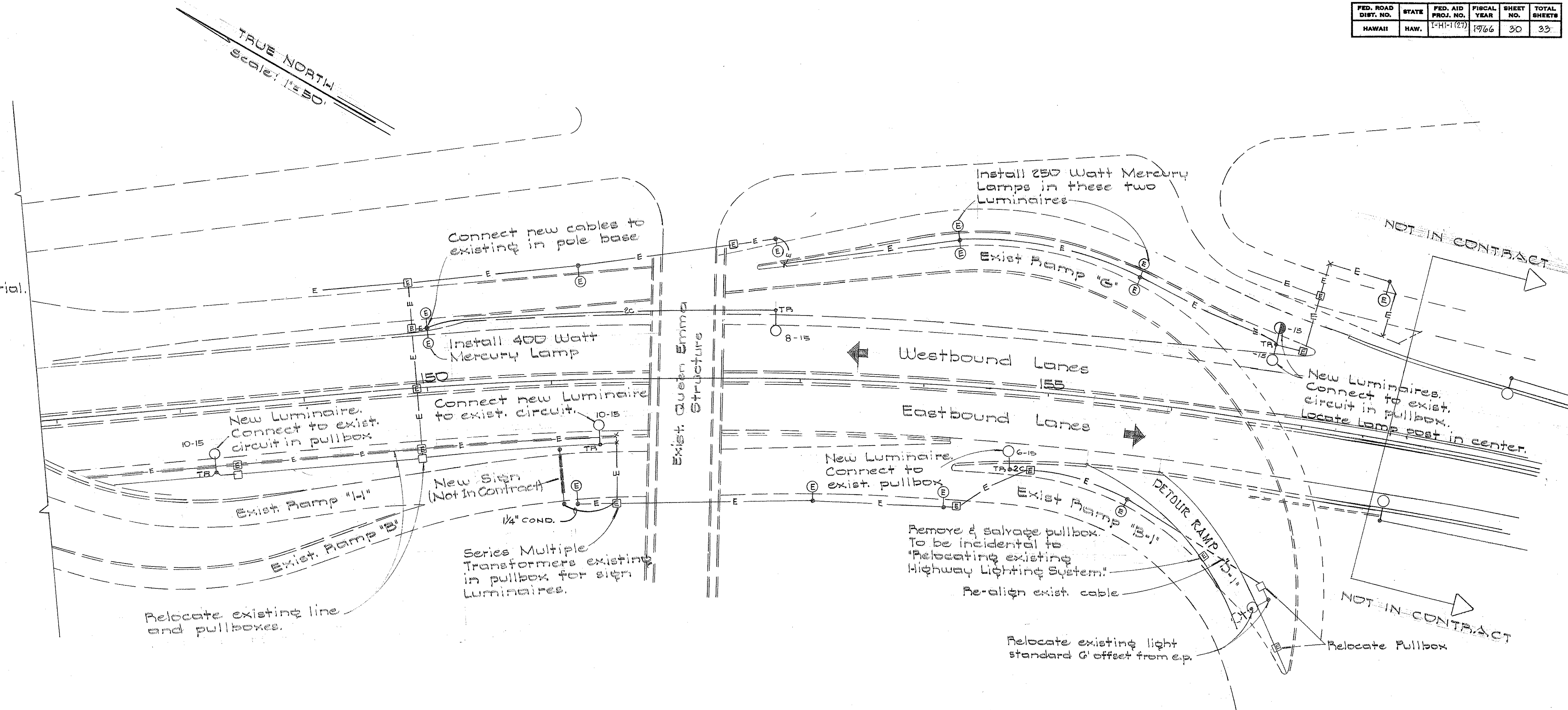


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(27)	1966	30	33

ELECTRICAL SYMBOLS

- 10-15 
- 1c Series street lighting cable, direct burial. '1c' = one cable, 2c = two cables.
- E Existing cable in conduit or duct, direct burial.
- x Conduit terminated with marker.
-  Existing Luminaire and metal lamp post.
-  20,000 lumen luminaire
-  11,000 lumen luminaire
-  Illuminated sign-lamp as indicated.
-  Existing Pullbox
-  Relocated Pullbox
-  Relocated series street lighting cable
-  Steel Conduit with concrete jacket.



GENERAL NOTES

- The Contractor shall verify dimensions and locations of existing equipment and facilities.
- All existing circuits are series circuits.
- All new cable runs and relocated cable that fall under roadway shall be in steel conduit and concrete jacketed.
- Relocated cable shall be installed as shown in "Direct Burial Cable Detail".
- Installation of new lamps in existing luminaires shall be incidental to "Relocating Existing Highway Lighting System."

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM

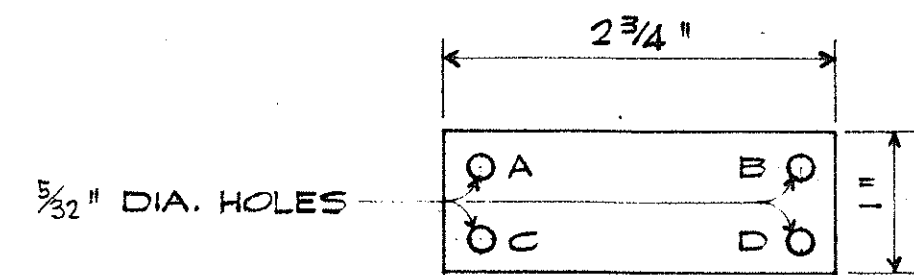
INTERSTATE HIGHWAY (LUNALILO FWY.)
F.A.I. PROJ. NO. I-HI-1(27)

Scale: As Shown Date: April 1966

SHEET No. 1 OF 2 SHEETS

33 (1)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FHH-1(27)	1966	31	33



LEGEND

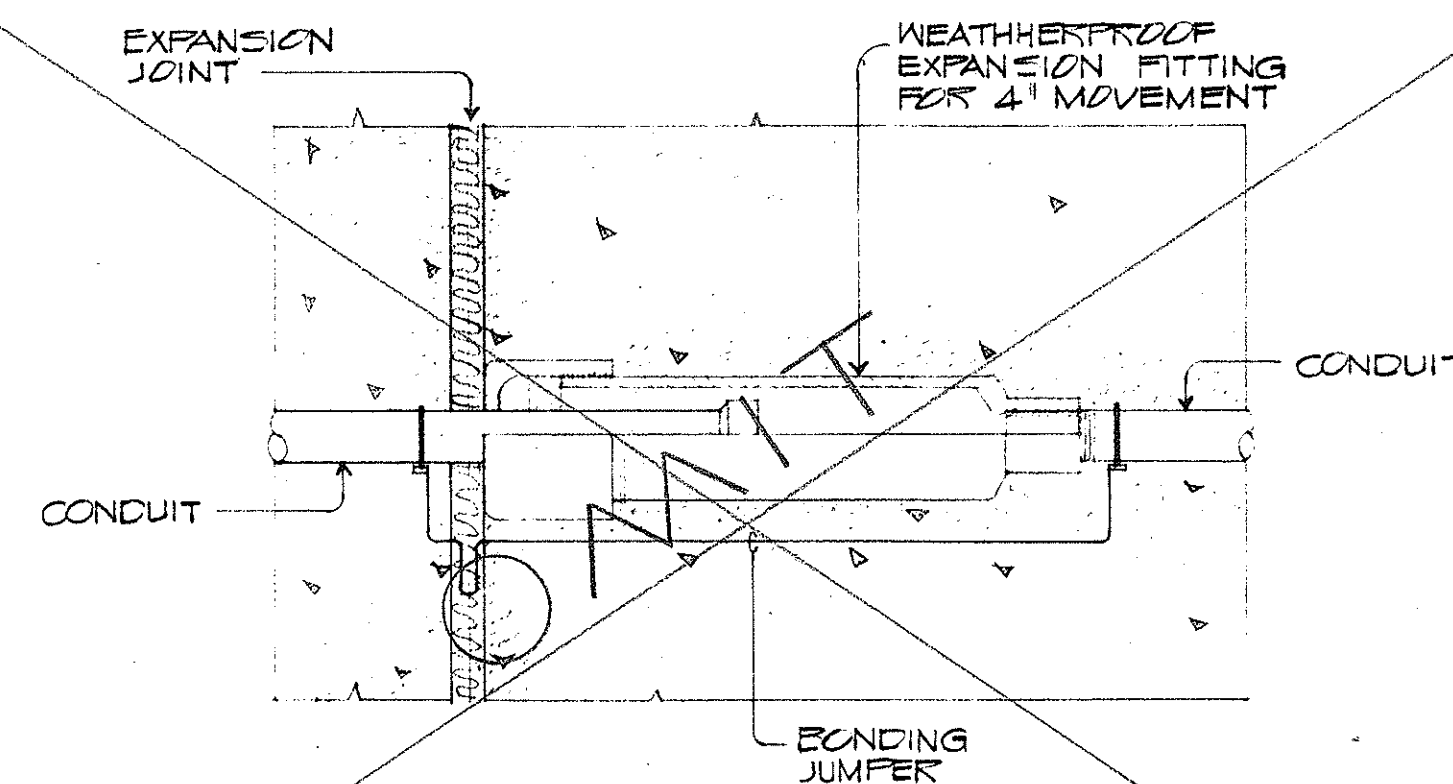
- A = CONTRACT NUMBER. OBTAIN FROM STATE OR H.E.CO. LTD.
- B = LIGHT NUMBER. FROM CONTRACT DRAWINGS STATE OR H.E.CO.
- C = LAMP DATA. SEE NOTE #5 BELOW.
- D = REFRACTOR DATA. USE ROMAN NUMERAL "IES" TYPE AS INDICATED ON DRAWING OR IN SPECIFICATIONS 1-1.

NOTES:

1. MAKE FROM LAMINATED PLASTIC - BLACK ON WHITE.
2. ATTACH TO ALUMINUM POST WITH NO. 7 ALUMINUM DRIVE SCREWS.
3. ATTACH TO STEEL POST WITH NO. 7 GALV. PLATED DRIVE SCREWS.
4. ATTACH TO WOOD POLES WITH 4D ALUMINUM NAILS.
5. ATTACH TO RETAINING WALL WITH EXPANSION ANCHOR & BRASS SCREWS.
6. ATTACH 6'-0" ABOVE CURB. IF NO CURB 6'-0" ABOVE FIN. GRADE.
7. LETTERS NO. 5 REDUCED 1/5" ENGRAVED OR STENCILED.
8. ATTACH TO ALL RULES WITH STATE MULTIPLE SYSTEM LUMINAIRES.
9. LAMP DATA CODE H250 (250 WATT) OR H400 (400 WATT) IF POST IS DOUBLE BRACKET. TWO TAGS, ONE ON EACH SIDE OF THE POST WITH THE INFORMATION FOR THE LUMINAIRE ON THE RESPECTIVE SIDE SHALL BE INSTALLED.
10. FOR NOMENCLATURE OF TAGS AT ILLUMINATED SIGNS AND PANELS OR SERVICE POINTS, SEE H.E.CO.

MULTIPLE STREET LIGHTING IDENTIFICATION TAG

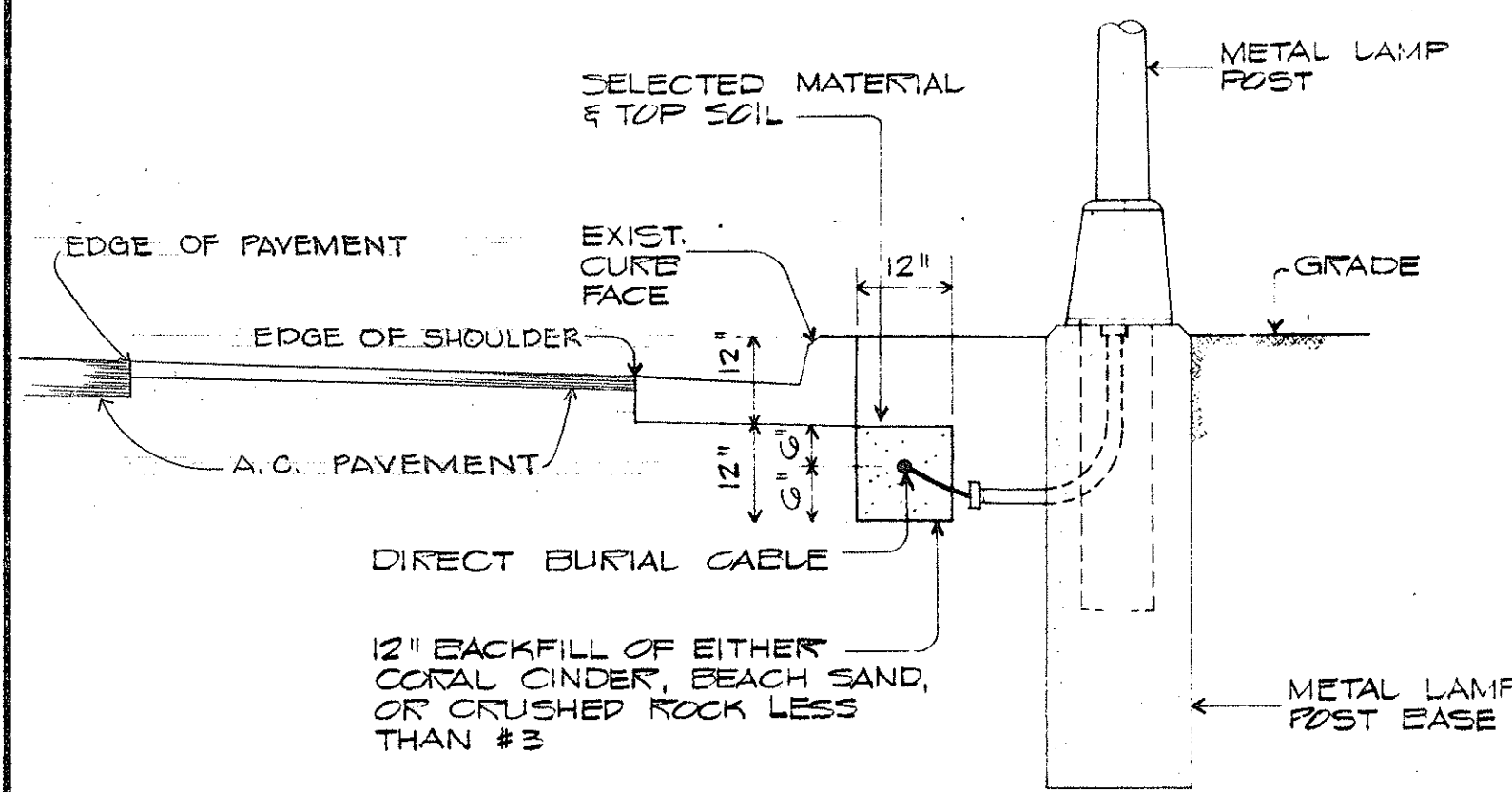
(A)
7



EXPANSION JOINT INSTALLATION

NOT TO SCALE

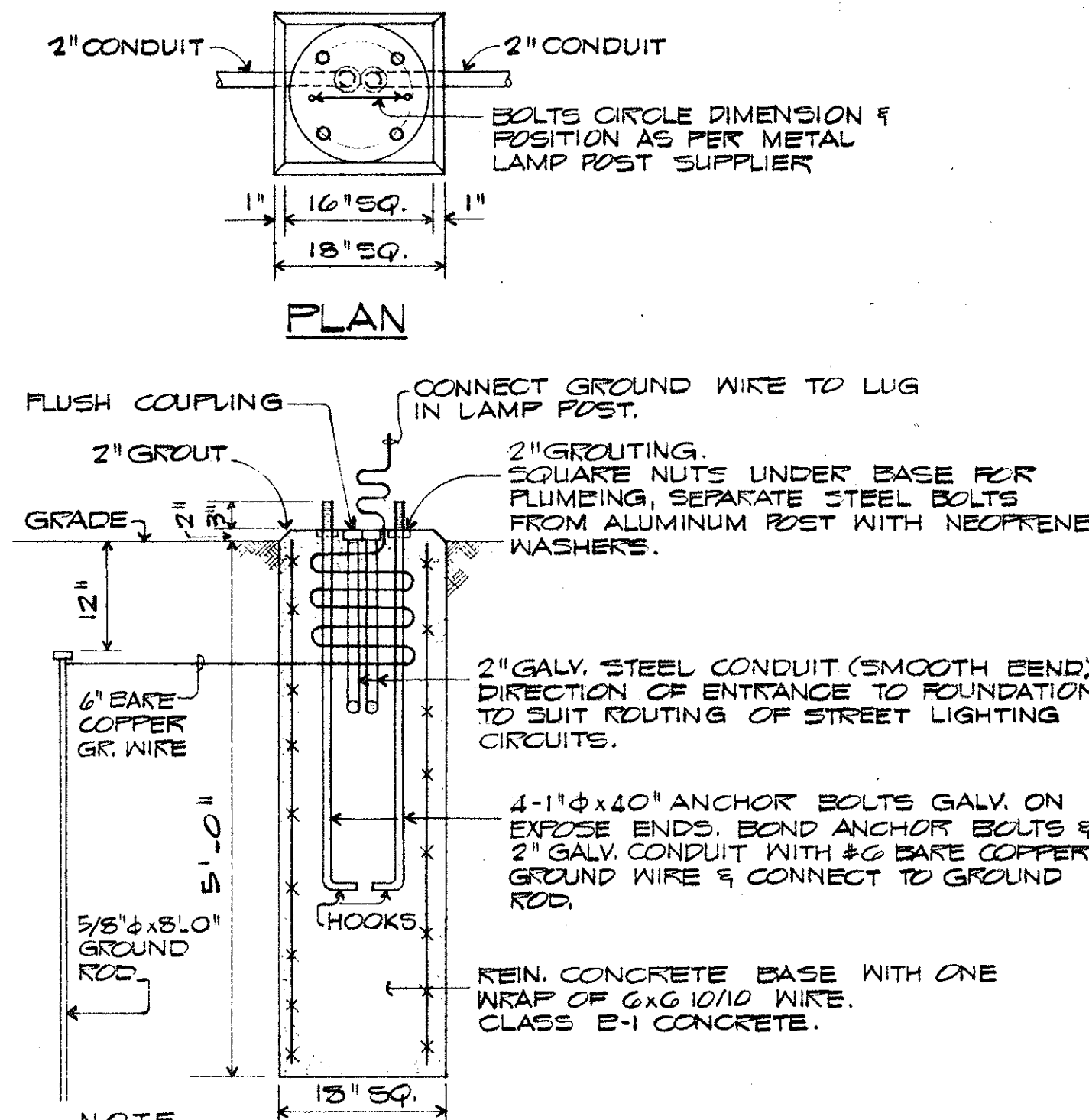
(B)
7



DIRECT BURIAL CABLE DETAIL

SCALE: 1/2" = 1'-0"

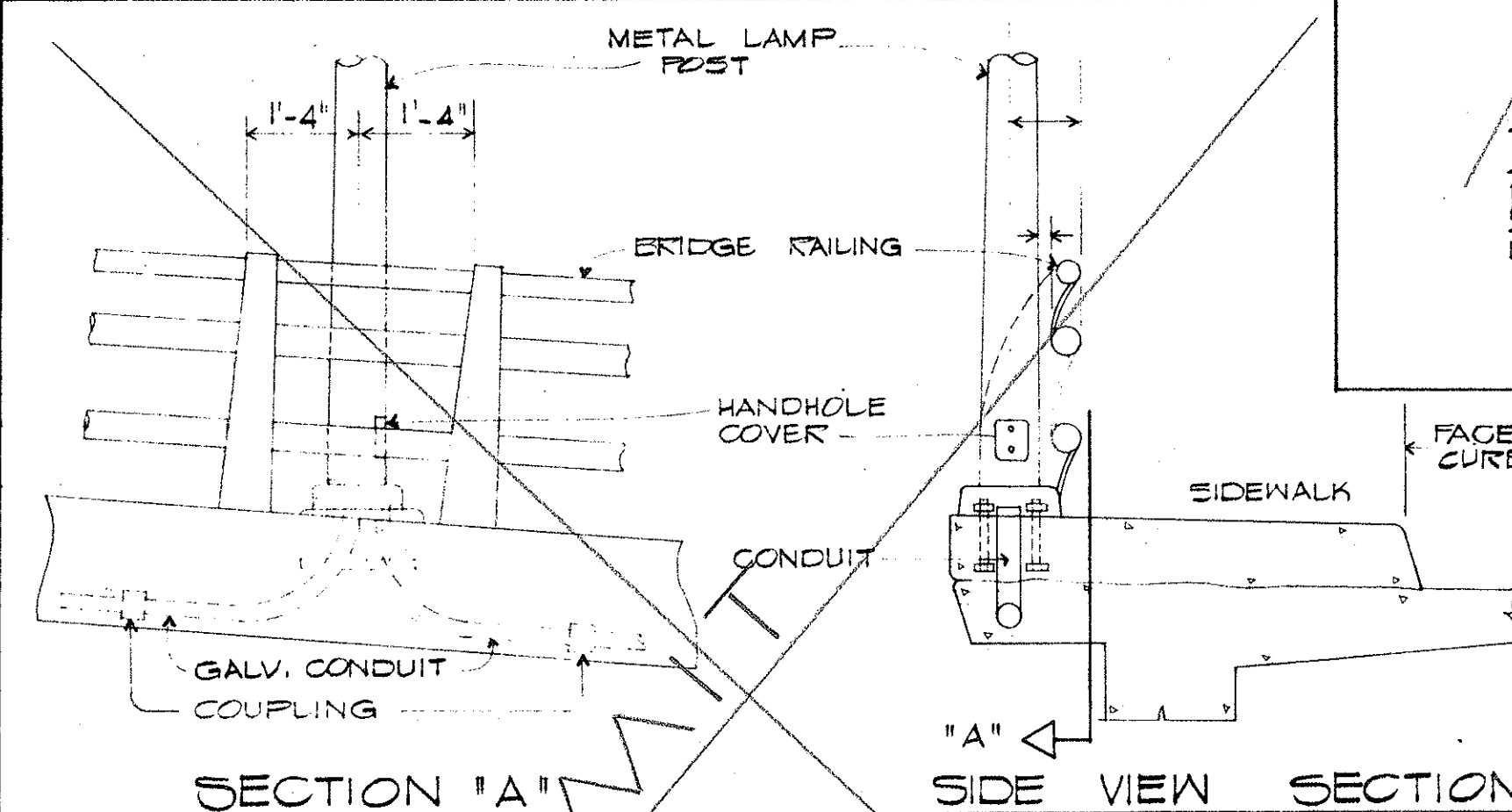
(C)
7



SECTION TYPICAL LAMP POST BASE

SCALE: 3/4" = 1'-0"

(D)
7



SECTION "A" SIDE VIEW SECTION

PLAN

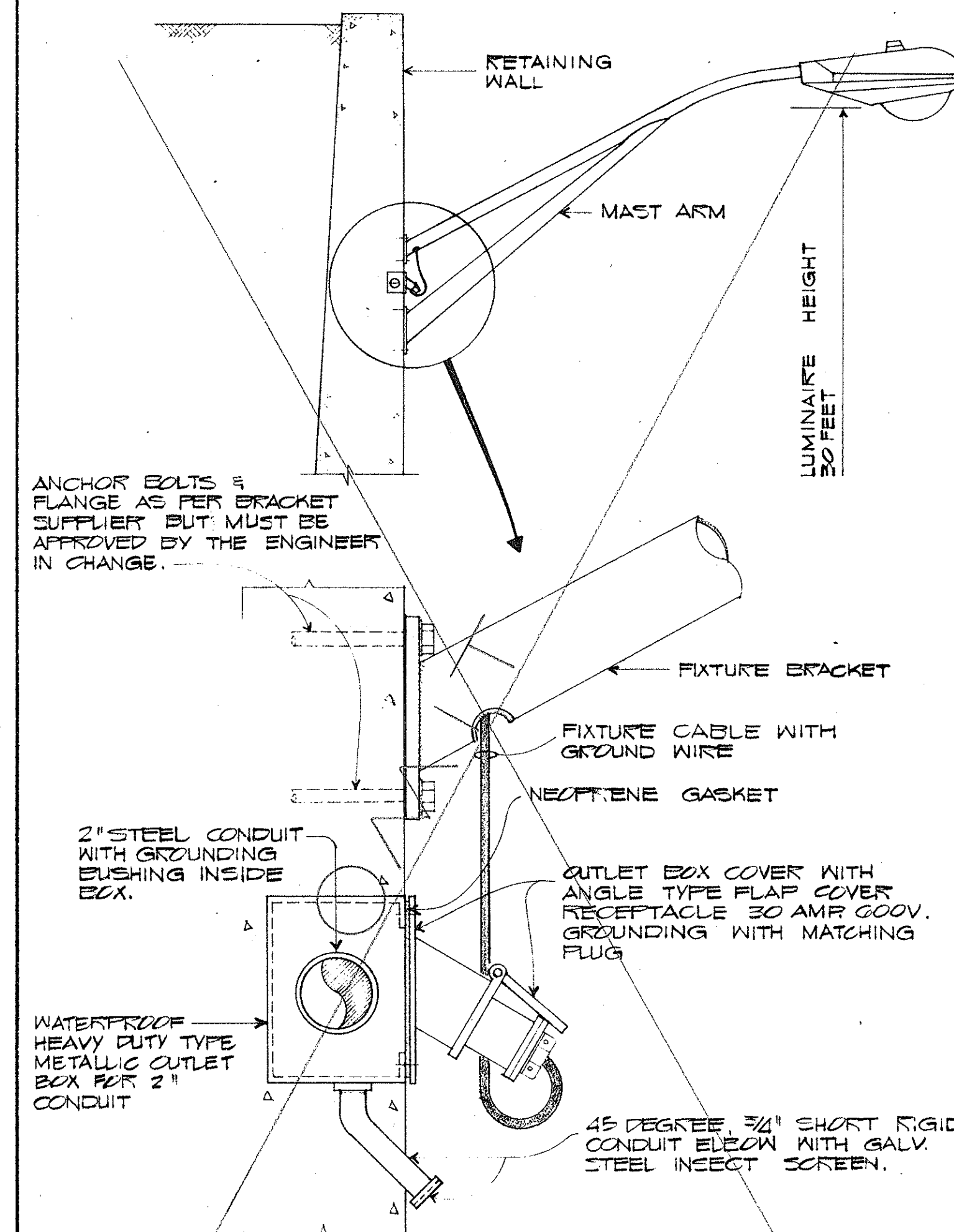
TYPICAL LIGHT STANDARD & CONDUIT LOCATION AT OVERPASS RAILING

SCALE: 1/2" = 1'-0"

TYPICAL STREET LIGHTING BRACKET CONNECTION

NOT TO SCALE

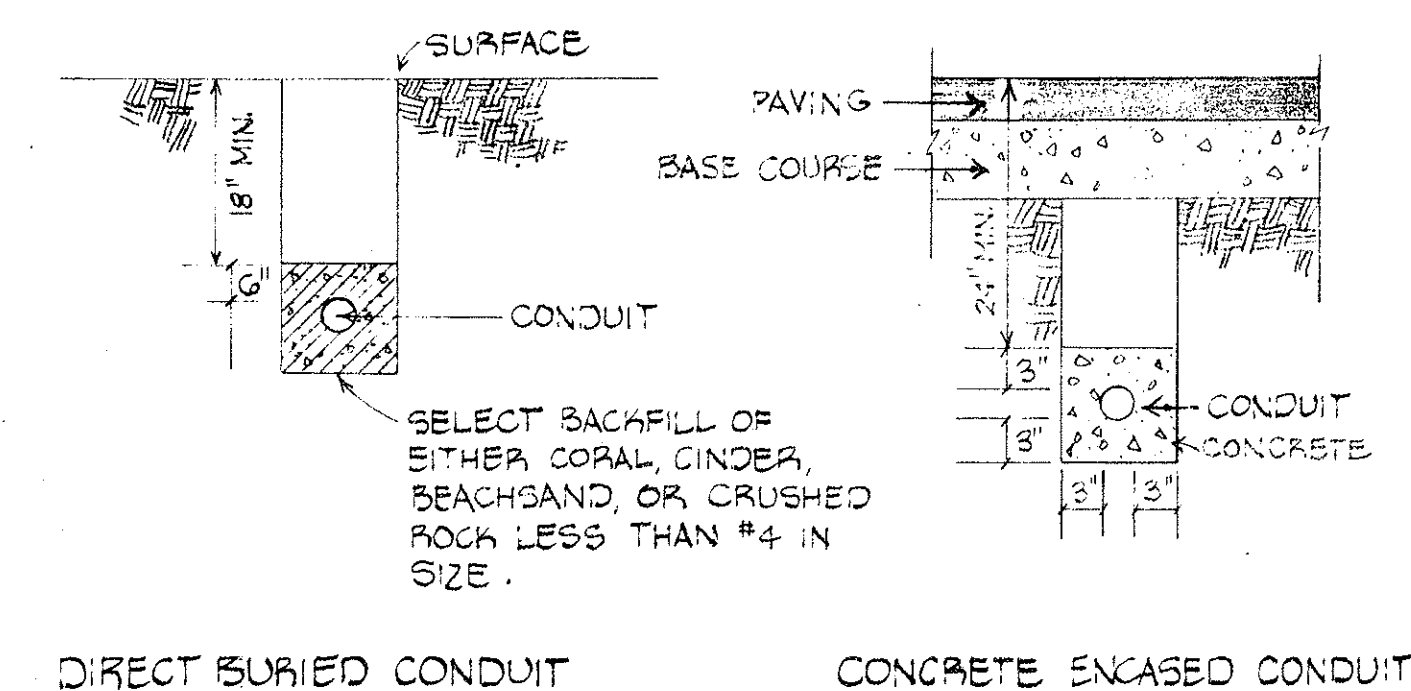
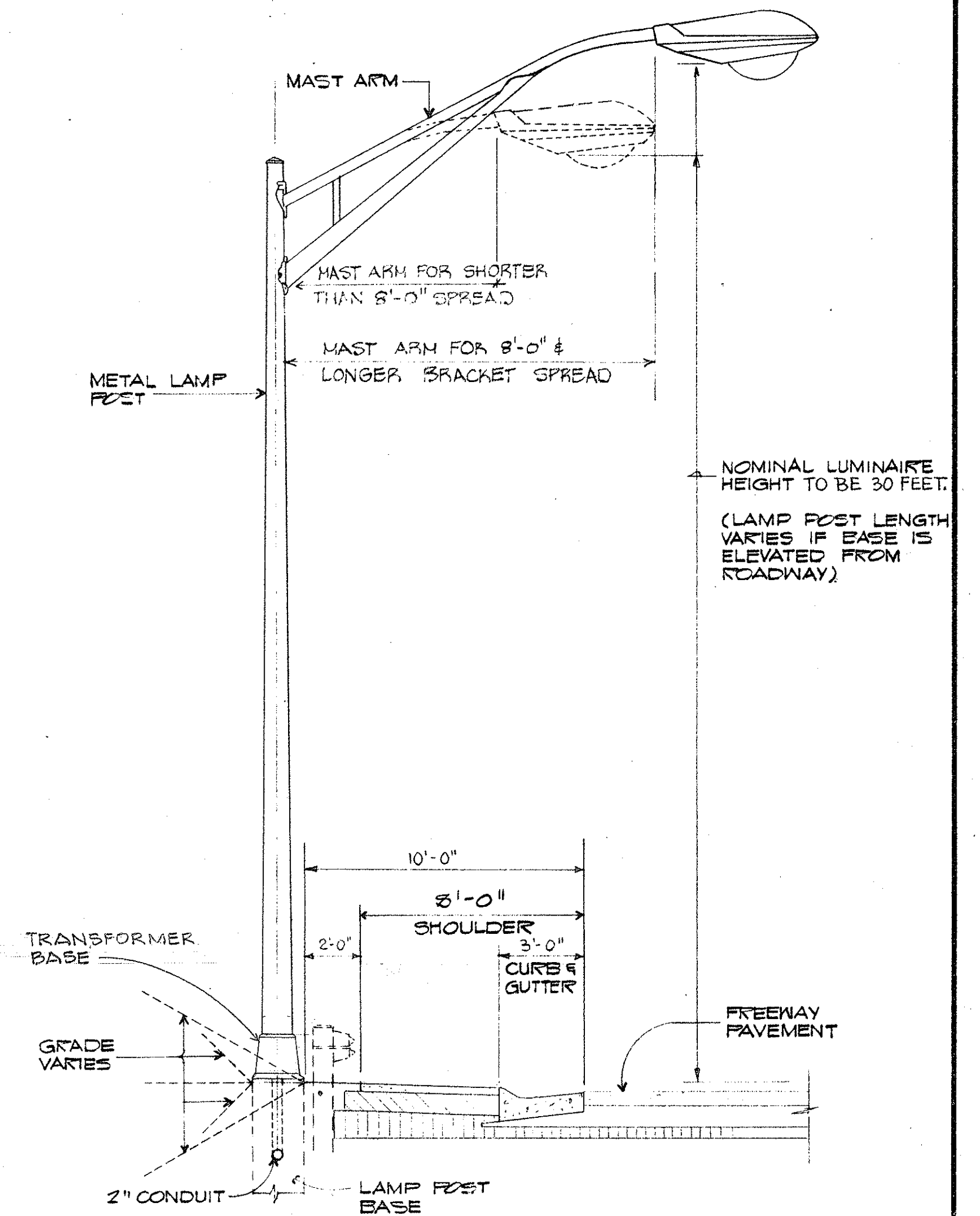
(F)
7



TYPICAL STREET LIGHTING METAL LAMP POST

NOT TO SCALE

(H)
7



TYPICAL DUCT SECTIONS

NO SCALE

(G)
7

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM
PALI HIGHWAY TO PELE ST.
PROJECT NO. 1-H-1 (27)

ELECTRICAL DETAILS

SHEET No. 2 OF 2 SHEETS

33 11