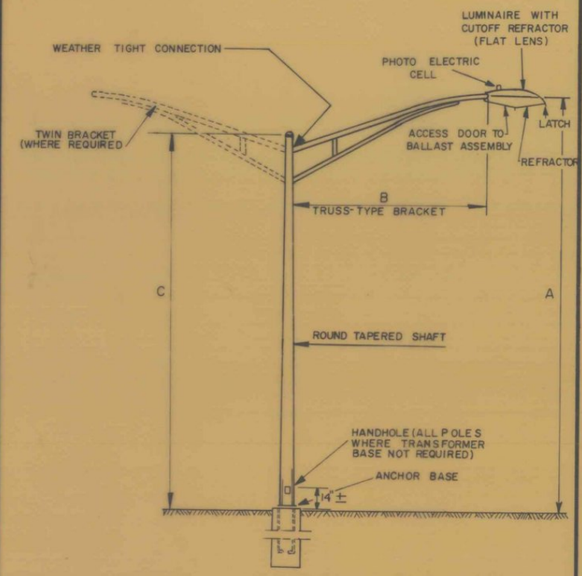
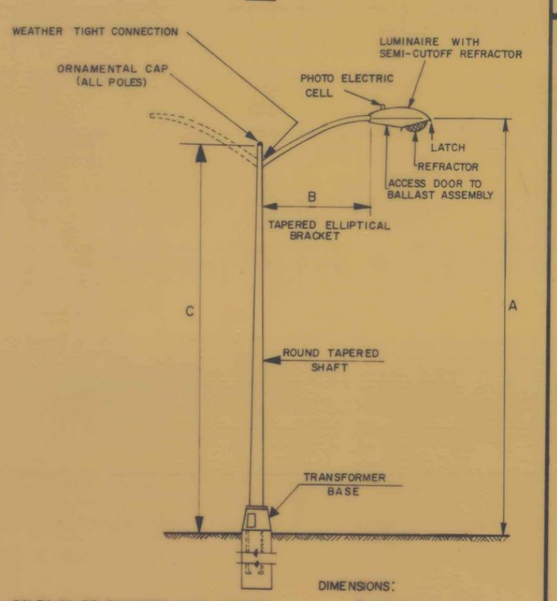
ROUND ALUMINUM AND STEEL POSTS





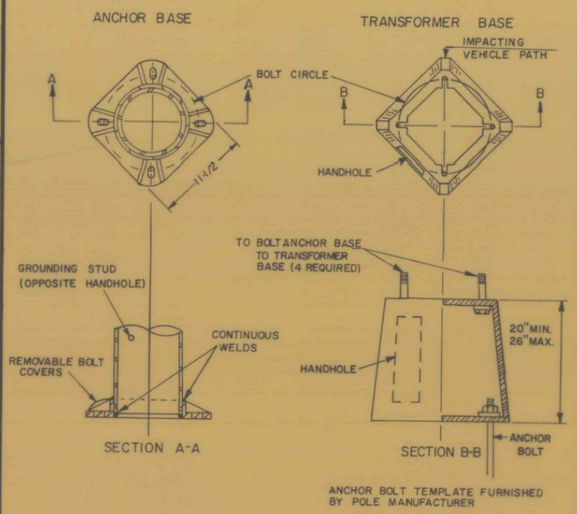
ALL POLES TO BE EQUIPPED WITH ANCHOR BASES UNLESS OTHERWISE INDICATED.

ALL BRACKETS TO BE EQUIPPED WITH 2" SLIPFITTER FOR MOUNTING LUMINAIRE UNLESS OTHERWISE INDICATED.

DIMENSIONS:
A = MOUNTING HEIGHT
B = BRACKET ARM LENGTH
C = SHAFT HEIGHT

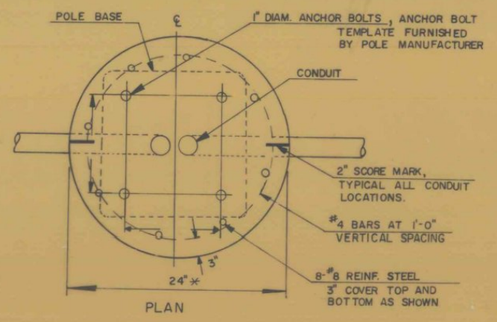
BASES

DIMENSIONS SHOWN FOR ANCHOR BASES AND TRANSFORMER BASES MAY VARY SLIGHTLY WITH DIFFERENT MANUFACTURERS.



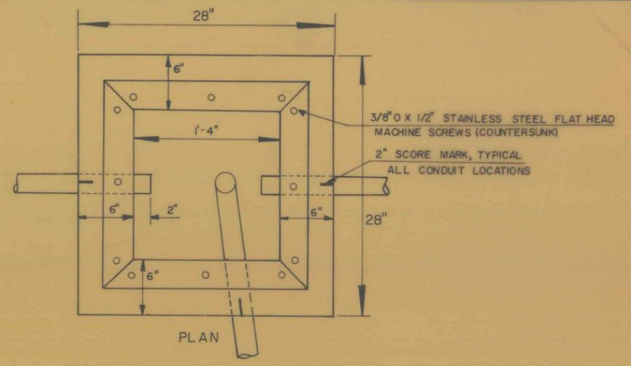
POLES, ANCHOR BASES, ARMS, LUMINAIRES AND GENERAL NOTES

1. NO POLE SHALL BE INSTALLED WITHOUT A LUMINAIRE.
2. ANCHOR BASE AND ANCHOR BOLT DIMENSIONS SHOWN ARE FOR A SINGLE ARM POLE OF HEIGHT 35 FEET OR LESS. SEE PLANS FOR OTHER CONDITIONS.
3. ALL POLES OF THE BREAKAWAY DESIGN SHALL YIELD OR BREAKAWAY WITH A CHANGE IN VEHICLE MOMENTUM OF LESS THAN 1100 POUND-SECONDS WHEN STRUCK BY 2250 POUNDS AT 20 M.P.H. TO 60 M.P.H.
4. A 12 FOOT OR LONGER ARM REQUIRES A 6 INCH OUTSIDE DIAMETER POLE TOP.
5. LUMINAIRES SHALL MEET SPECIFICATIONS AS SHOWN ON THE PLANS.
6. ALL ELECTRICAL MATERIAL AND ELECTRICAL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE AREA ELECTRICAL INSPECTOR AND/OR THE POWER COMPANY WITH JURISDICTION IN THE PROJECT AREA.
7. ALL WORK MUST MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, AS WELL AS LOCAL AND STATE CODES.

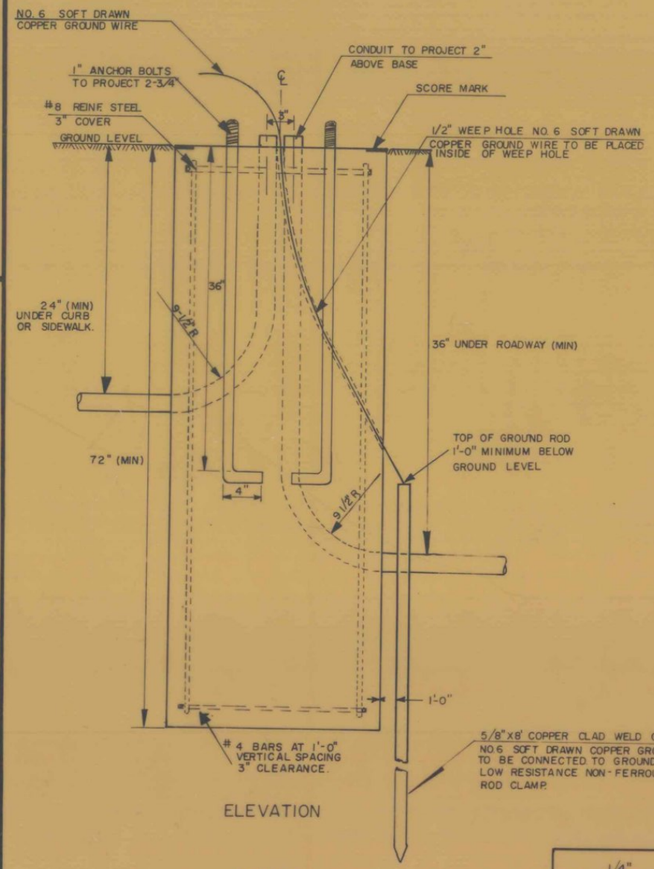


PLAN

* USE 30" WITH TRANSFORMER BASES

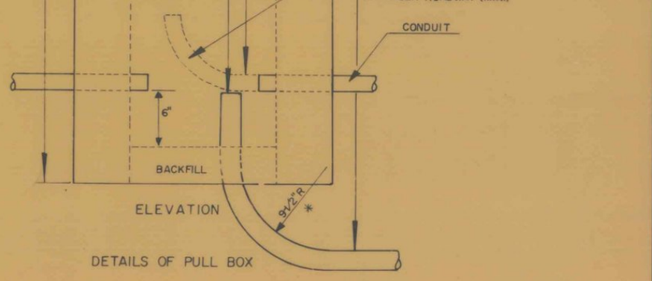


PLAN



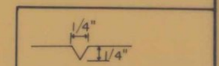
ELEVATION

BASE



ELEVATION

DETAILS OF PULL BOX



SCORE MARK DETAILS

BASE AND PULLBOX NOTES

1. ALL BASES AND PULL BOXES TO BE CONCRETE, CLASS B.
2. ALL REINFORCING STEEL TO CONFORM TO THE REQUIREMENTS FOR "REINFORCING STEEL."
3. TEMPLATE FOR ANCHOR BOLTS, ANCHOR BOLTS, NUTS AND WASHERS TO BE OBTAINED BY CONTRACTOR FROM MANUFACTURER PRIOR TO CONSTRUCTION OF BASES.
4. SCORE TOP OF BASE OR PULLBOXES TO SHOW LOCATION OF CONDUIT(S).
5. FOR PULLBOXES - PROVIDE SOFT PLUGS IN CONCRETE BELOW THREADED HOLES IN THE COVER FRAME TO PERMIT RETHREADING AT A FUTURE DATE.
6. CONDUIT SIZE - AS SHOWN ON THE PLANS.
7. EXCAVATION FOR PULLBOXES SHALL INCLUDE EXCAVATION OF AN AREA ONE FOOT OUTSIDE THE PULLBOXES ON ALL SIDES AND EXTENDING ONE FOOT BELOW THE FINISH GRADE OF THE BOTTOM OF THE PULLBOX. ONE FOOT OF GRANULAR MATERIAL SHALL BE PLACED IN THE EXCAVATED AREA PRIOR TO INSTALLATION, WHERE NECESSARY AND AT THE DISCRETION OF THE ENGINEER, A DRAINAGE CHANNEL SHALL BE PROVIDED FROM THE PULLBOX TO THE DITCH. PAYMENT SHALL BE SUBSIDARY TO PULLBOXES.
8. ALL EXPOSED METAL HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.

REVISIONS AND CORRECTIONS

APPROVED

DATE JULY 20, 1984

S. J. Gage
DIRECTOR OF ENGINEERING AND CONSTRUCTION

CHIEF OF DESIGN

J. C. Evans
SURVEY AND PLANS ENGINEER

STREET LIGHTING ITEM DETAILS

VERMONT AGENCY OF TRANSPORTATION

STANDARD
E-39