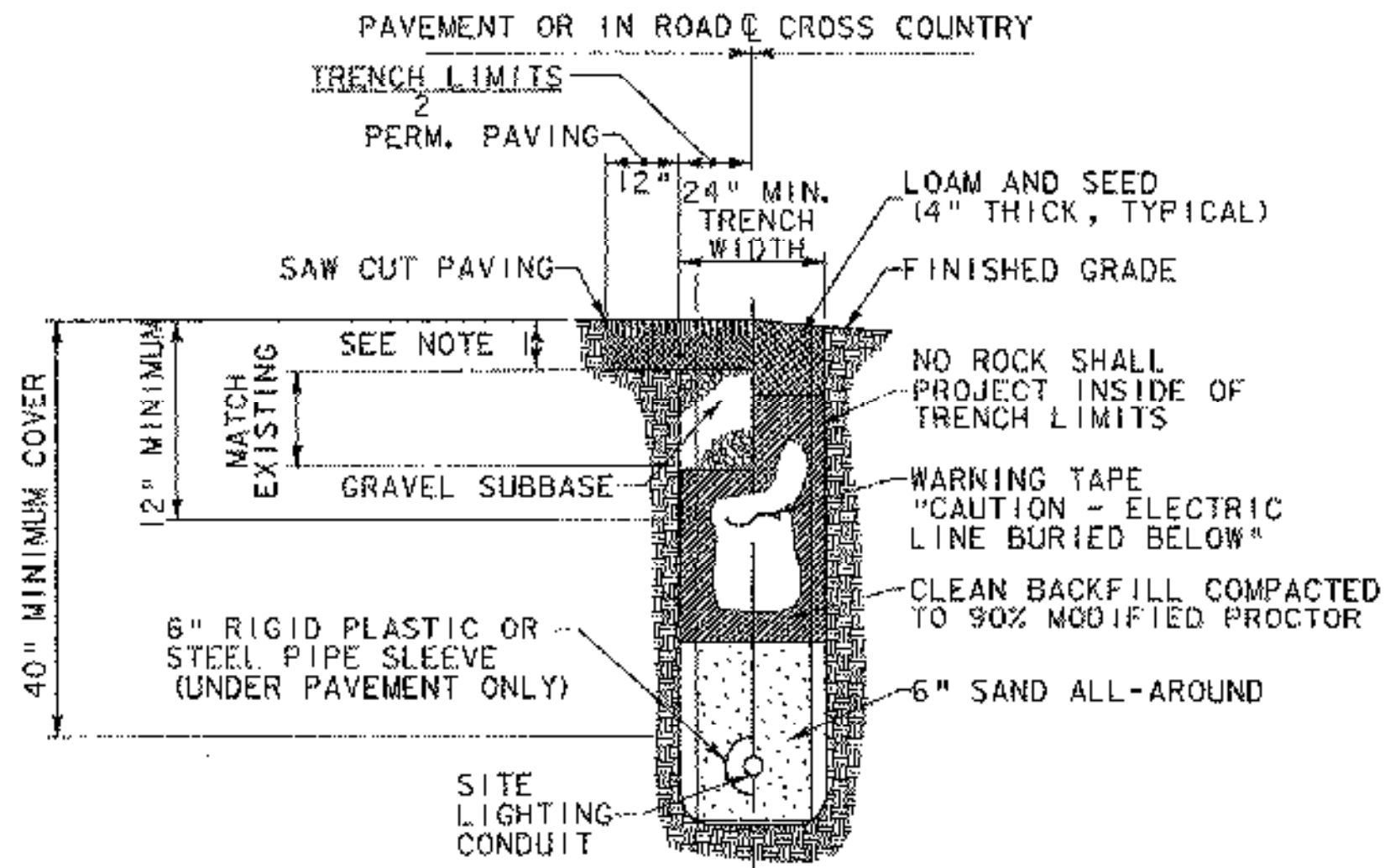


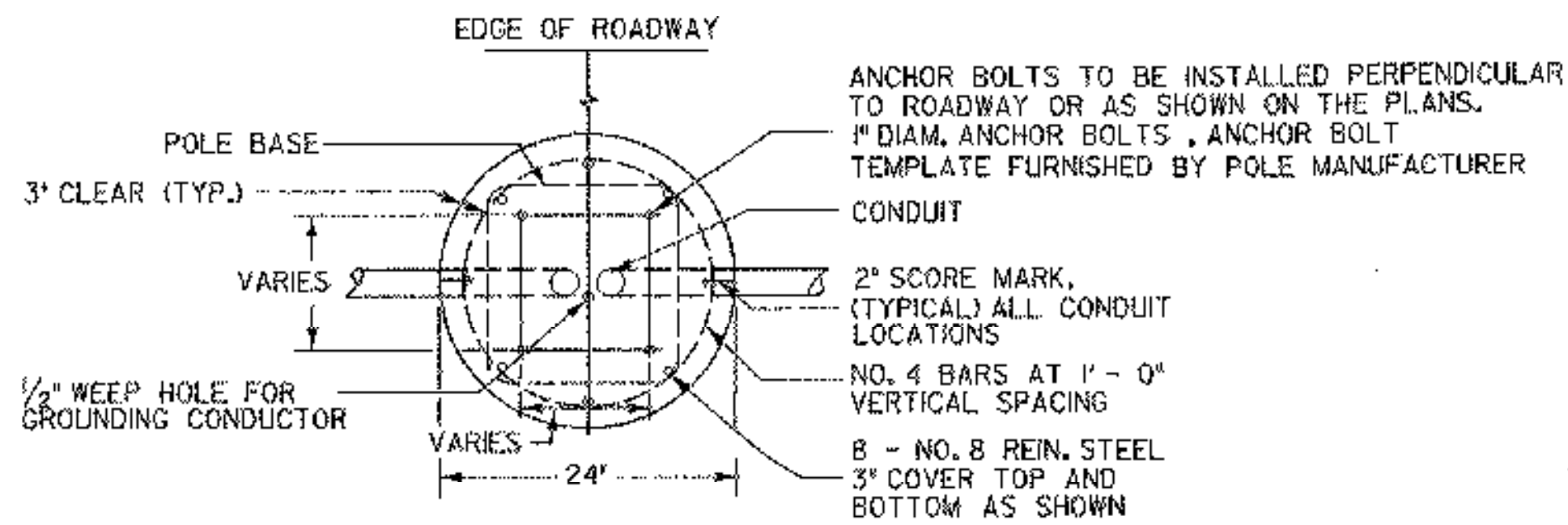
NOTES

1. BOTTOM OF TRENCH SHALL BE UNDISTURBED ORIGINAL GROUND OR FIRMLY COMPACTED EARTH FREE FROM VOIDS, ROCK OR RUBBLE AND OF RELATIVELY SMOOTH ARCH, AND LINED WITH A MINIMUM OF 2 INCHES OF CLEAN SAND.
2. CONDUIT UNDER AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE ENCASED IN RIGID PLASTIC OR STEEL PIPE SLEEVES. 6" ENCASUREMENT AROUND PVC CONDUITS TO FIVE FEET (5') BEYOND EDGE OF PAVEMENT, TYPICAL.
3. A 3" SPACING SHALL BE MAINTAINED BETWEEN ADJACENT CONDUITS.
4. PVC CONDUIT SHALL BE PRIMED AND GLUED TO FORM A WATERTIGHT SEAL.

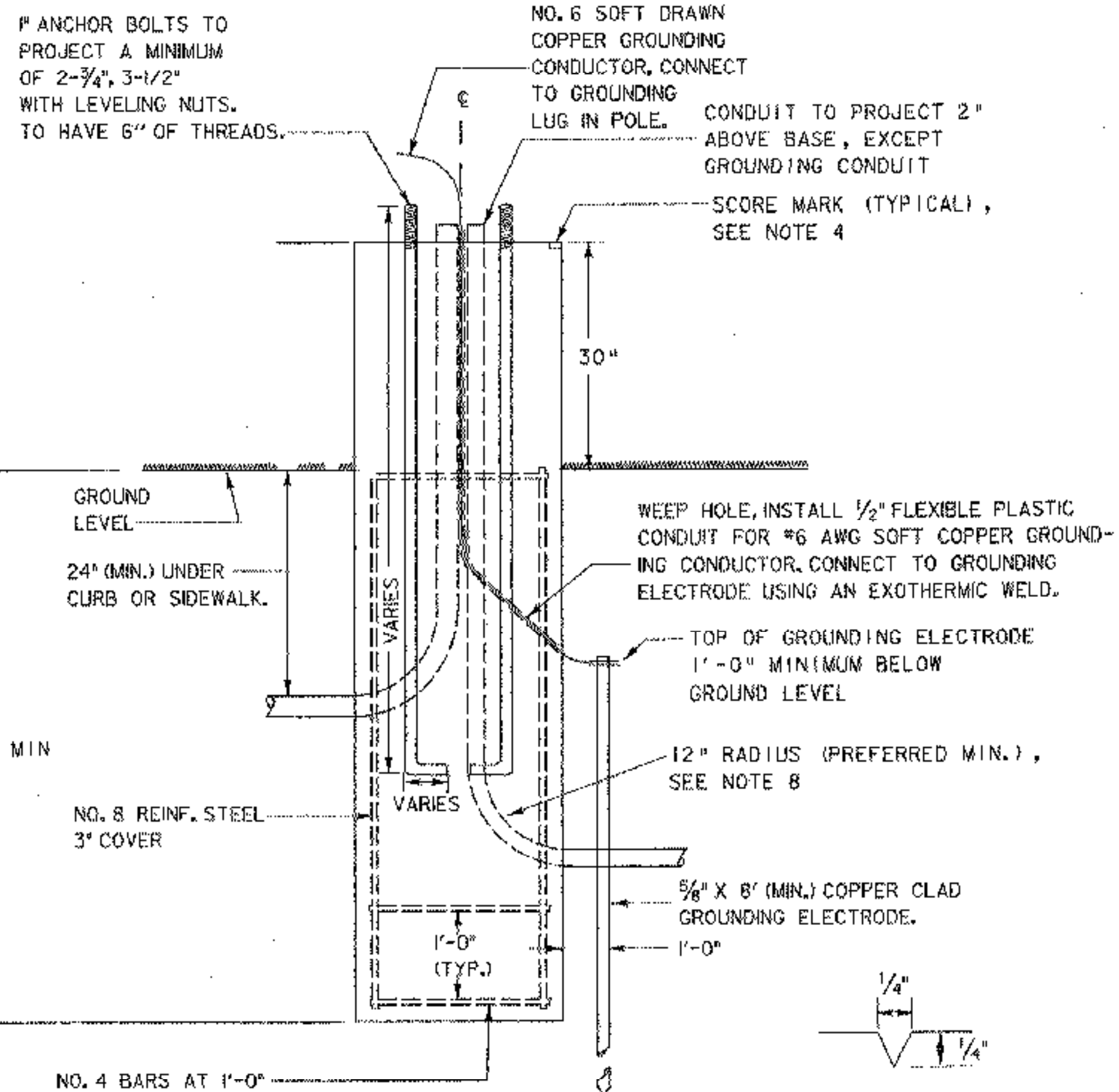


TYPICAL TRENCH SECTION

NOT TO SCALE



PLAN

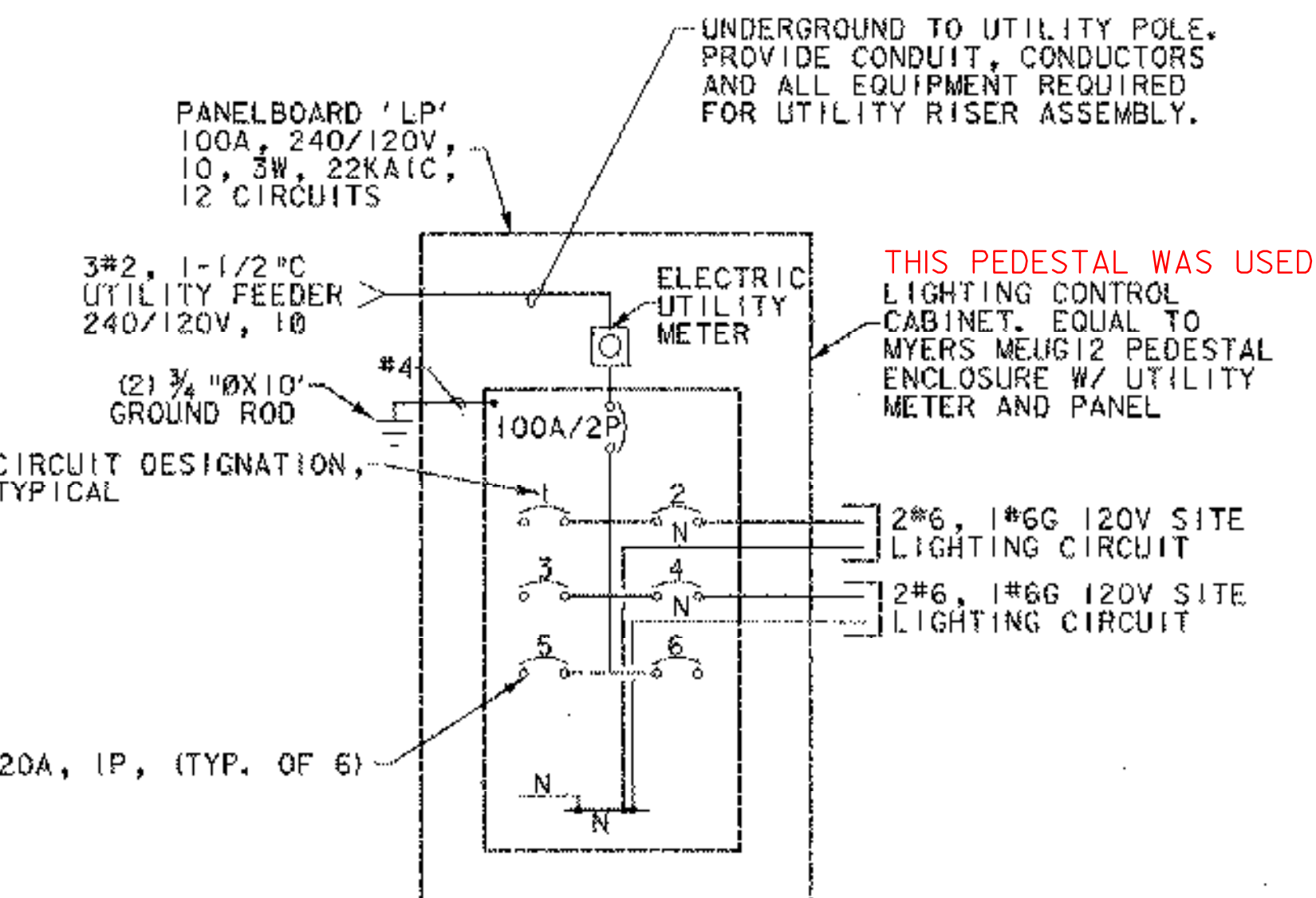


ELEVATION

CONCRETE POLE BASE DETAIL

NOT TO SCALE

SCORE MARK DETAILS



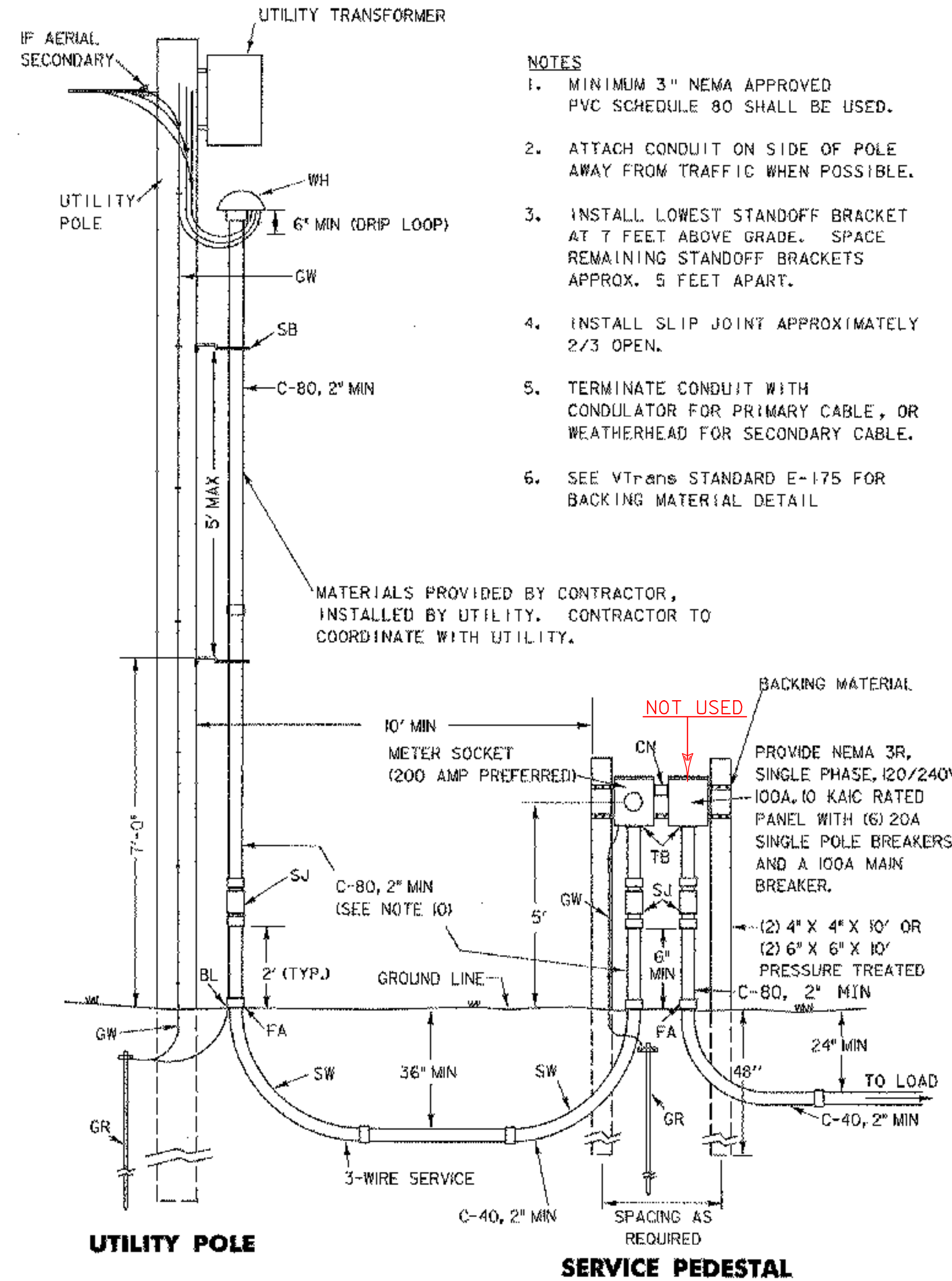
ONE-LINE DIAGRAM ROADWAY LIGHTING SERVICE PEDESTAL

NOT TO SCALE

NOTE: NO RELAYS REQUIRED

NOTES

1. ALL CONCRETE BASES TO BE CONCRETE, CLASS B, AND SHALL HAVE A SMOOTH LEVEL TOP SURFACE FINISHED WITH A 1/2 INCH RADIUS EDGING TOOL.
2. ALL REINFORCING STEEL TO CONFORM TO THE REQUIREMENTS FOR "REINFORCING STEEL."
3. TEMPLATE FOR ANCHOR BOLTS, STAINLESS STEEL ANCHOR BOLTS, NUTS, AND WASHERS TO BE OBTAINED BY CONTRACTOR PRIOR TO CONSTRUCTION OF BASES.
4. SCORE TOP OF CONCRETE BASE TO SHOW LOCATION OF CONDUITS.
5. CONDUIT SIZE - AS SHOWN ON THE PLANS.
6. ALL EXPOSED METAL HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.
7. IF THE ELECTRICAL CONDUIT IN THE CONCRETE BASE IS GALVANIZED STEEL, GROUNDING BUSHINGS SHALL BE USED.
8. THE MINIMUM RADIUS FOR RIGID METALLIC OR NON-METALLIC ELECTRICAL CONDUIT SHALL BE SIX TIMES THE INSIDE DIAMETER OF THE CONDUIT.
9. SEE STANDARD SHEET E-173 FOR PULL BOX DETAIL.
10. ALL STREET LIGHT POLES SHALL HAVE A BREAKAWAY DEVICE (SLIP BASE ASSEMBLY, SEE VTRANS STANDARD E-1808) BETWEEN THE POLE BASE AND CONCRETE BASE.



UTILITY POLE AND SERVICE PEDESTAL DETAIL

NOT TO SCALE

NOTES

1. MINIMUM 3" NEMA APPROVED PVC SCHEDULE 80 SHALL BE USED.
2. ATTACH CONDUIT ON SIDE OF POLE AWAY FROM TRAFFIC WHEN POSSIBLE.
3. INSTALL LOWEST STANDOFF BRACKET AT 7 FEET ABOVE GRADE. SPACE REMAINING STANDOFF BRACKETS APPROX. 5 FEET APART.
4. INSTALL SLIP JOINT APPROXIMATELY 2/3 OPEN.
5. TERMINATE CONDUIT WITH CONDULATOR FOR PRIMARY CABLE, OR WEATHERHEAD FOR SECONDARY CABLE.
6. SEE VTRANS STANDARD E-175 FOR BACKING MATERIAL DETAIL

LEGEND	
ITEM	MATERIAL
BL	BONDING LUG (IF STEEL CONDUIT)
C-40	CONDUIT - PVC SCHEDULE 40
C-80	CONDUIT - PVC SCHEDULE 80
CN	CONDUIT NIPPLE
FA	FEMALE ADAPTER OR COUPLINGS AS REQUIRED
GR	GROUND ELECTRODE, 5/8" X 8" (MIN) COPPER CLAD (2 REQ.)
GW	GROUND CONDUCTOR, #6 AWG CU (MIN)
SB	STANDOFF BRACKET (SEE DETAIL)
SJ	SLIP JOINT, INSTALL 2/3 OPEN
SSS	STAINLESS STEEL STRAP (1" MIN)
SW	90° SWEEPS, (PVC) 36" R. - SERVICE, 24" R. - LOAD
TB	THREADED BUSHING
WH	WEATHERHEAD OR CONDULATOR



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062lgt.dgn
 PROJECT LEADER: WLD
 DESIGNED BY: LAB
 LIGHTING DETAIL #1

PLOT DATE: 07/08/02
 DRAWN BY: GGG
 CHECKED BY: CSP
 SHEET 32 OF 56