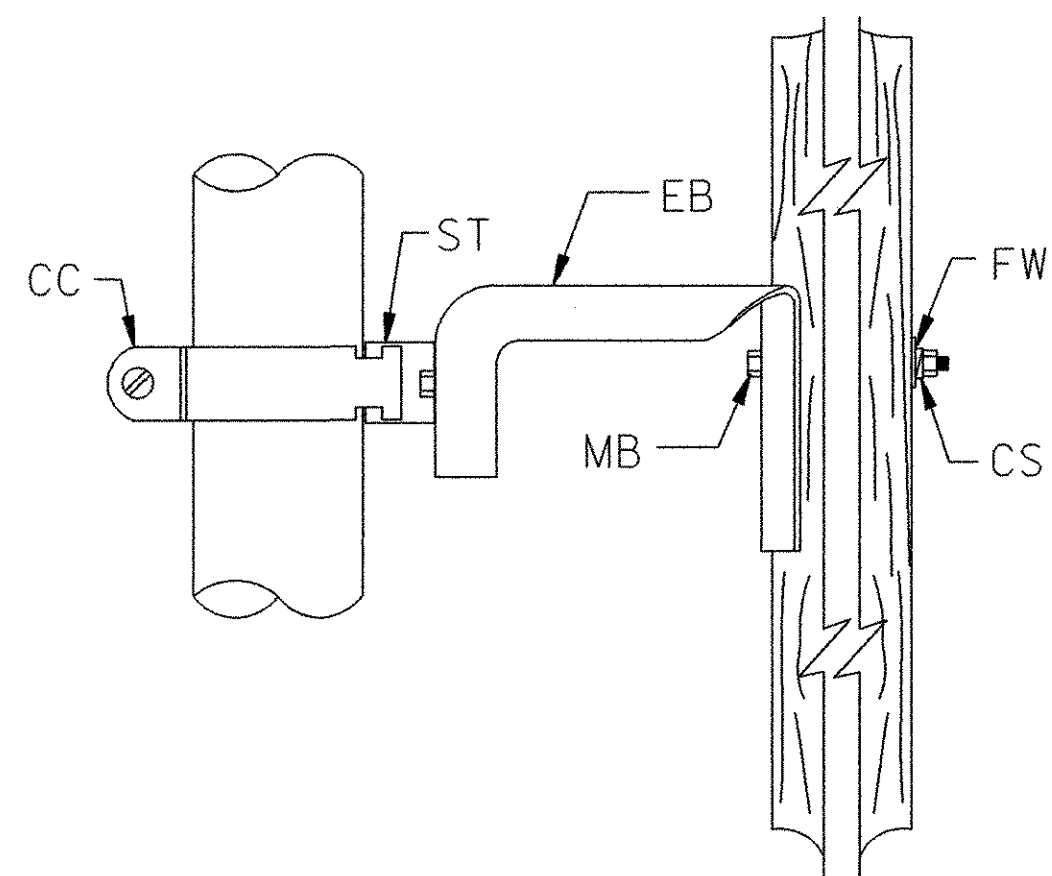


**ONE-LINE DIAGRAM ROADWAY LIGHTING SERVICE PEDESTAL**

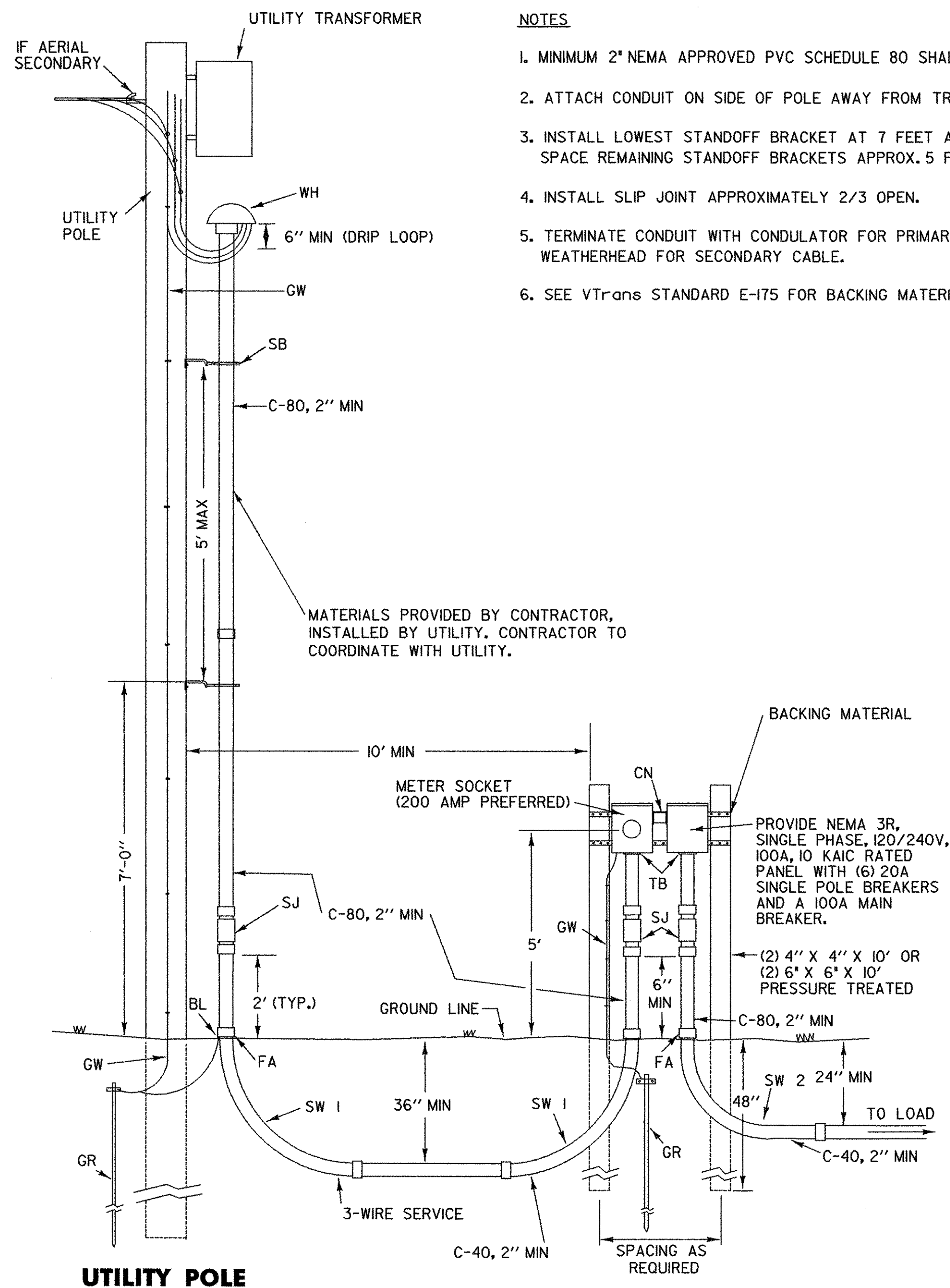
NOT TO SCALE  
NOTE: NO RELAYS REQUIRED



MATERIAL FOR ONE STANDOFF BRACKET			
ITEM	NO REQUIRED	CODE	MATERIAL
FW	1		FLAT WASHER 2"x2"
CS	1		COIL SPRING WASHER
REB	1		RACK EXTENSION BRACKET
ST	1		STRUT (CUT TO LENGTH)
CC	1		CONDUIT CLAMP
MB	1		MACHINE BOLT 5/8"

**STANDOFF BRACKET**

NOT TO SCALE



**UTILITY POLE**

**SERVICE PEDESTAL**

**ELECTRICAL SERVICE RISER AND PEDESTAL**

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 1	90° SWEEPS, (PVC) 36" R. - SERVICE
SW 2	90° SWEEPS, (PVC) 24" R. - LOAD
TB	THREADED BUSHING
WH	WEATHERHEAD OR CONDULATOR

(ALL WORK TO BE PAID FOR UNDER 679.28 POWER STANCHION)

**NOTES**

1. MINIMUM 2" 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.

NOTE: REFERENCE VTRANS STD E-175 FOR ADDITIONAL DETAILS



PROJECT NAME: BARRE TOWN PARK-AND-RIDE  
PROJECT NUMBER: CMG PARK (24) S

FILE NAME: ...PlotFiles\06-08 lightdets.pptfPLOT DATE: 4/13/2006  
PROJECT LEADER: GAS DRAWN BY: PBH  
DESIGNED BY: MLC CHECKED BY: GAS  
**LIGHTING DETAILS 3** SHEET 8 OF 14