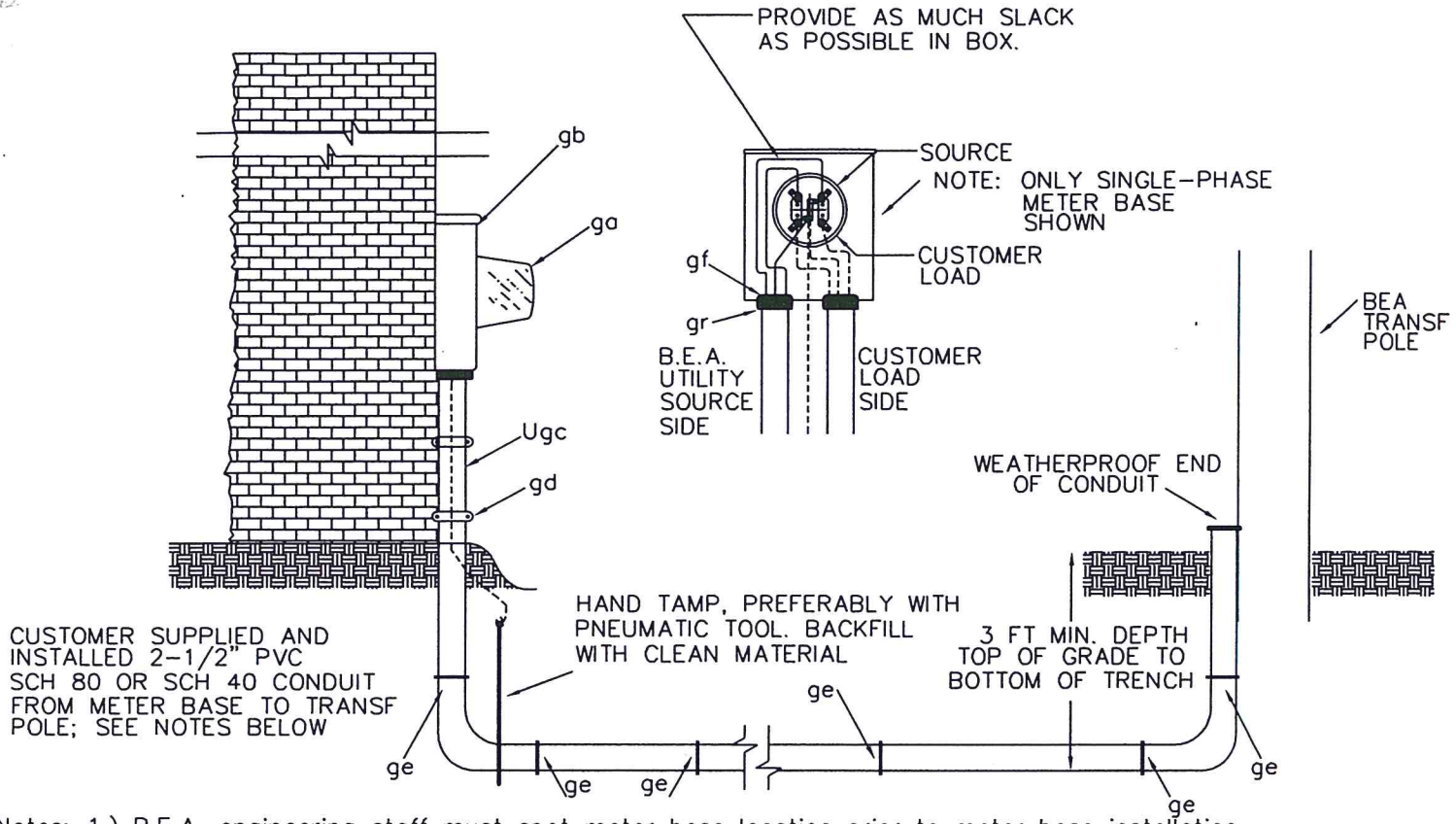

Notes:
1.) B.E.A. engineering staff must spot meter base location prior to meter base installation.
2.) Customer to provide trenching and backfill. Trench must be a minimum of 3 ft deep. Warning tape to be installed in trench, 12 in. below top of grade.
3.) Customer to provide ALL conduit from meter base to BEA transformer pole, including 90s.
4.) Conduit up wall to meter base and under any area subject to vehicle traffic or concrete (i.e. driveway or sidewalk) shall be SCH 80 conduit. All other conduit can be SCH 40 conduit.
5.) SCH 80 conduit 90s to be provided and installed at meter base end and BEA transformer pole end of conduit run. No more that 2 90s in conduit run. Absolutely no 45s to be used in conduit run.
6.) Trench and conduit to be inspected by State of Tennesse Electrical Inspector prior to trench being backfilled.
7.) Customer installed conduit shall have a pulling string or rope installed in conduit.
8.) Stubbed out conduit at BEA transformer pole end shall be left weatherproofed with pulling string or rope extending through weatherproofing.
9.) BEA to provide and install conduit up BEA transformer pole.
10.) Left side of meter base reserved for BEA use.
11.) Service ground #4 Cu minimum.
12.) Applies to service voltages: single-phase – 120/240V, three-phase – 120/208V & 120/240V.

MATERIAL LIST

ITEM	QUANTITY	DESCRIPTION
ga		Meter, supplied by BEA
gb		Meter scoket
gd		Conduit straps, as required
gf		Insulated bushing, size as required
gr		Conduit locknuts, size as required
ge		Conduit couplings, qty & size as required
Ugc		Conduit, 2-1/2" Sch 80 or Sch 40
		see notes; length as required

BEA

BOLIVAR ENERGY AUTHORITY

UNDERGROUND COMMERCIAL SERVICE METERING
UP TO 400A – SINGLE PHASE
UP TO 200A – THREE PHASE

DWG. No.
UM8 Comm
Date: 8/2009

Bolivar Energy Authority – Underground Commercial Service Policy

- Customer to provide trenching and backfill. Trench must be a minimum of 3 feet deep (top of grade to bottom of trench). Warning tape to be installed in trench, 1 foot below top of grade.
- Customer to provide ALL conduit from meter base to BEA transformer pole, including 90s.
- Customer installed conduit shall have a pulling string or pulling rope installed in conduit.
- Customer installed conduit up wall to meter base and under any area subject to vehicle traffic or concrete (i.e. driveway or sidewalk), shall be SCH 80 conduit. All other conduit can be SCH 40 conduit.
- Customer provided and installed SCH 80 conduit 90s shall be at the meter base end and BEA transformer pole end of the conduit run. No more than two (2) 90s in the conduit run. No 45s will be allowed in the conduit run.
- Customer provided trench and conduit shall be inspected by the State of Tennessee Electrical Inspector prior to trench being backfilled.
- BEA engineering staff must spot meter base location prior to meter base installation.
- Stubbed out conduit at the BEA transformer pole end shall be left weatherproofed with pulling string or pulling rope extending through weatherproofing.
- BEA to provide and install conduit up BEA transformer pole.
- BEA to provide and install all electric cable from BEA transformer to customer meter base. BEA to make connections at transformer and top side of meter. The cost for the installed electric cable is $2 per foot for single-phase services and $5 per foot for three-phase services. This linear footage includes footage from the transformer to the meter base.
- Left side of meter base is reserved for BEA use.
- See attached drawing UM8 Comm for further details and notes.

Notes:

1. Any single-phase service entrance greater than 400amp, the contractor is responsible for both the conduit and cable.
2. Any three-phase 120/208 volt or 120/240 volt service entrance greater than 200 amp, the contractor is responsible for both the conduit and cable.
3. All three-phase 480 volt services will be CT'd. The contractor is responsible for both the conduit and cable.