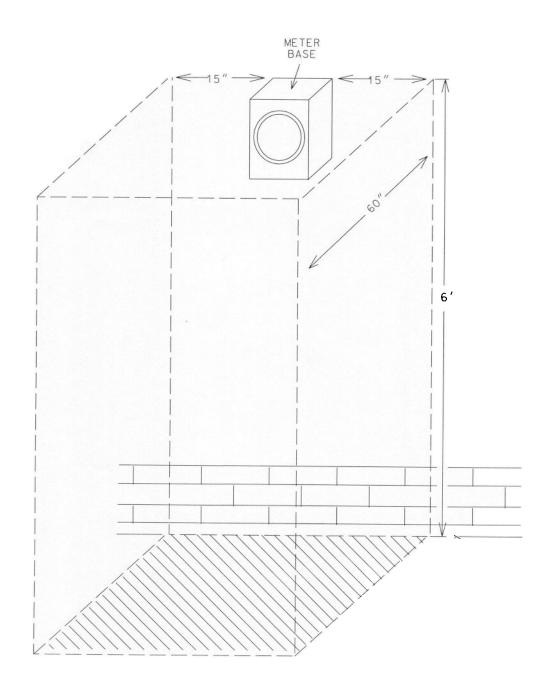
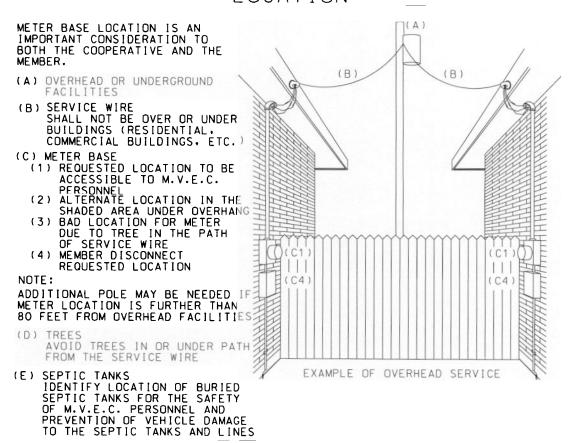
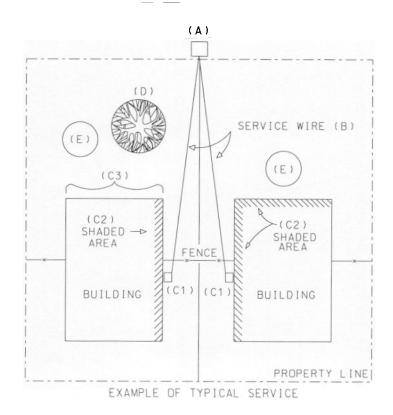
WORKING CLEARANCES

SUFFICIENT ACCESS AND WORKING SPACE (SHADED AREA) SHALL BE PROVIDED AND MAINTAINED ABOUT ALL METERING EQUIPMENT TO PERMIT READY AND SAFE OPERATION AND MAINTENANCE OF SUCH EQUIPMENT. THE DIMENSION OF THE WORKING SPACE IN THE DIRECTION OF ACCESS TO LIVE PARTS OPERATING AT 600 VOLTS OR LESS AND LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING, OR MAINTENANCE WHILE ALIVE SHALL NOT BE LESS THAN 30" WIDE IN FRONT OF THE ELECTRIC EQUIPMENT. IN NO CASE SHALL HEADROOM BE LESS THAN 7'. PLEASE DO NOT INSTALL OR STORE EQUIPMENT, PLANTS, ETC. WITHIN WORKING SPACE.



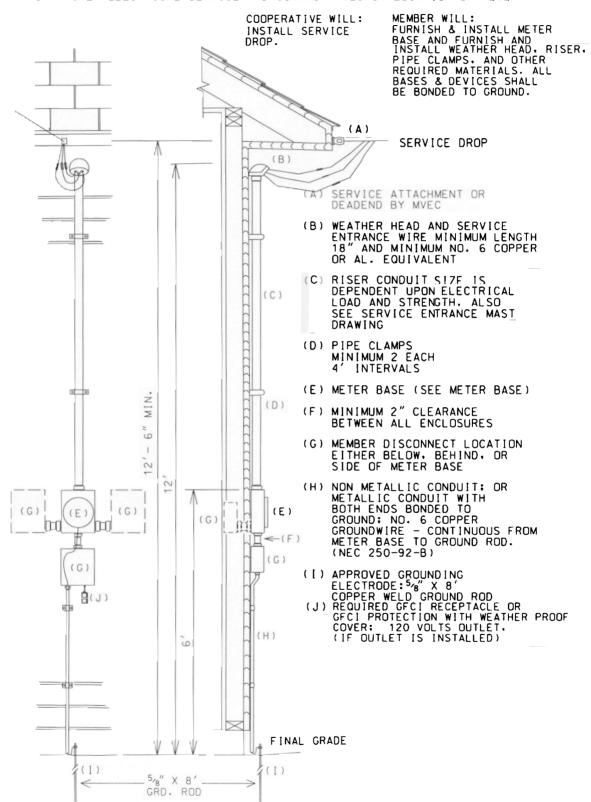
POINT OF DELIVERY LOCATION





OVERHEAD METER INSTALLATION

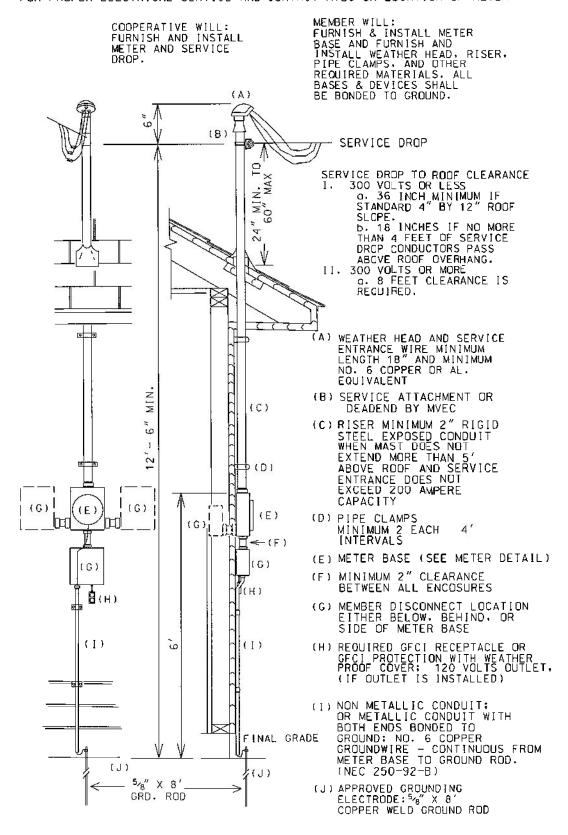
THE METHOD SHOWN SHOULD GENERALLY BE SATISFACTORY. THE MEMBER MUST CONSULT THE ARCHITECT, CONTRACTOR, OR ELECTRICIAN CONCERNING ELECTRICAL LOAD AND THE ABILTLY OF THE HOUSE TO SUPPORT TENSION OF SERVICE WIRE (MAX. 500 LBS. PER SERVICE) PROVIDE ELECTRICAL LOAD INFORMATION TO MVEC FOR PROPER ELECTRICAL SERVICE AND CONTACT MVEC ON LOCATION OF METER.



BOUND BOOK OF THE

SERVICE ENTRANCE MAST

THE METHOD SHOWN SHOULD GENERALLY BE SATISFACTORY. THE MEMBER MUST CONSULT THE ARCHITECT, CONTRACTOR, OR ELECTRICIAN CONCERNING ELECTRICAL LOAD AND THE ABILTIY OF THE HOUSE TO SUPPORT TENSION OF SERVICE WIRE (MAX. 500 LBS. PER SERVICE) PROVIDE ELECTRICAL LOAD INFORMATION TO MVEC FOR PROPER ELECTRICAL SERVICE AND CONTACT MVEC ON LOCATION OF METER



1 PHASE OR 3 PHASE SELF-CONTAINED UNDERGROUND METER INSTALLATION

COOPERATIVE WILL:
INSTALL METER SERVICE
CABLE, CONNECTIONS INSIDE
OF TRANSFORMER, SECONDARY
OR DIP POLE ARE INSTALLED
BY MYEC

NOTE: MVEC WILL DO THE WIRE INSTALLATION INSIDE THE TRANSFORMER, PEDESTAL OR FROM THE DIP POLE.

(A)

9

(B)

(C)

(E)

(F)

5/8" X 8' GRD. ROD

(D)

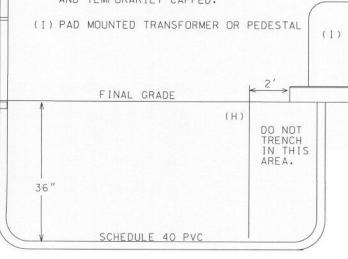
(G)

MEMBER WILL: FURNISH & INSTALL METER BASE AND BOND IT TO GROUND: FURNISH AND INSTALL ALL REQUIRED MATERIALS.

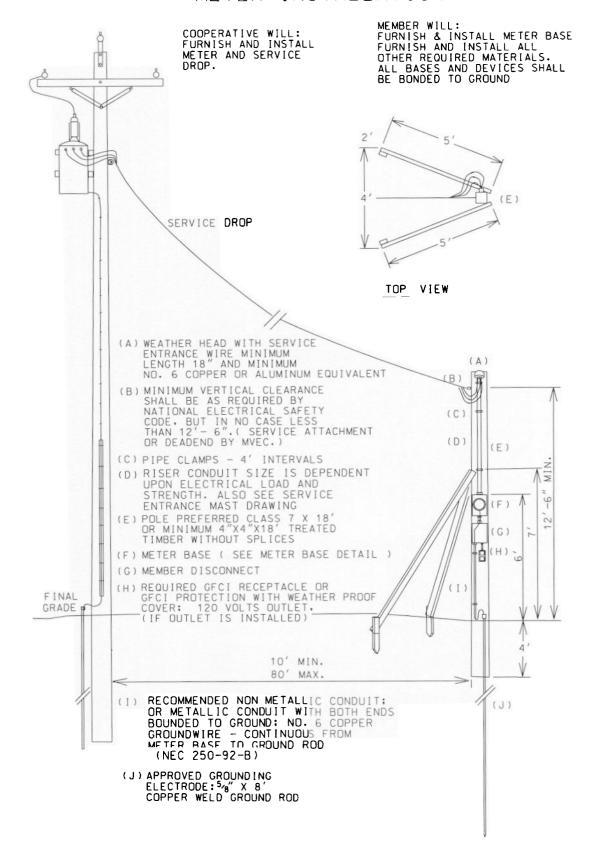
NOTE: ALL BASES AND DEVICES SHALL BE BONDED TO GROUND

TRENCH, BACKFILL, FURNISH AND INSTALL 2" CONDUIT (SCHEDULE 40 PVC)TO ACCOMMODATE 1/0 TO 350 MCM SERVICE FURNISH PULL STRING FROM THE METER AS REQUIRED TO THE UNDERGROUND TRANSFORMER, PEDESTAL OR DIP POLE.

- (A) METER BASE (SEE METER BASE DETAIL)
- (B) MEMBER DISCONNECT
- (C) MINIMUM 2" CLEARANCE BETWEEN ALL ENCLOSURES, MINIMUM 200 AMPERE ENTRANCE
- (D) REQUIRED GFC! RECEPTACLE OR GFC! PROTECTION WITH WEATHER PROOF COVER; 120 VOLTS OUTLET. (IF OUTLET IS INSTALLED)
- (E) NON METALLIC CONDUIT: OR METALLIC CONDUIT WITH BOTH ENDS BONDED TO GROUND: NO. 6 COPPER GROUNDWIRE (NEC-250-92-B)
- (F) APPROVED CROUNDING ELECTRODE: 5/8" X 8' COPPER WELD GROUND ROD
- (G) MINIMUM 21/2" RIGID CONDUIT (PVC OR GALVANIZED METAL) (VISIBLY EXPOSED) AND SERVICE ENTRANCE DOES NOT EXCEED 200 AMPERE
- (H) MEMBER SHALL NOT TRENCH BEYOND
 THIS POINT; STOP 2' FROM UNDERGROUND
 TRANSFORMER OR PEDESTAL; MARK ABOVE
 GROUND. THE END OF THE CONDUIT:
 IF UNDERGROUND CONDUIT EXTENDS
 TO DIP POLE. CONDUIT MUST BE RAISED
 UP THE DIP POLE 2' ABOVE FINAL GRADE
 AND TEMPORARILY CAPPED.



TEMPORARY 1 PHASE OVERHEAD METER INSTALLATION



TEMPORARY / PERMANENT 1 PHASE UNDERGROUND METER INSTALLATION

COOPERATIVE WILL: FURNISH AND INSTALL METER SERVICE WIRE. ALL CONNECTIONS INSIDE OF TRANSFORMER, PEDESTAL OR DIP POLE

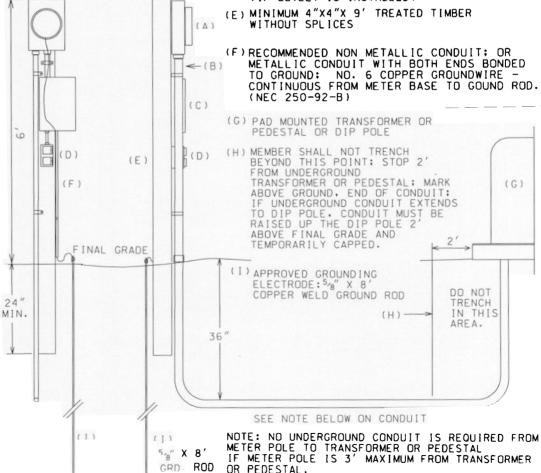
NOTE: MVEC WILL DO THE WIRE INSTALLATION INSIDE THE TRANSFORMER. PEDESTAL OR FROM THE DIP POLE.

MEMBER WILL: FURNISH & INSTALL METER BASE AND BOND IT TO GROUND. FURNISH AND INSTALL ALL REQUIRED MATERIALS.

NOTE: ALL BASES AND DEVICES SHALL BE BONDED TO GROUND.

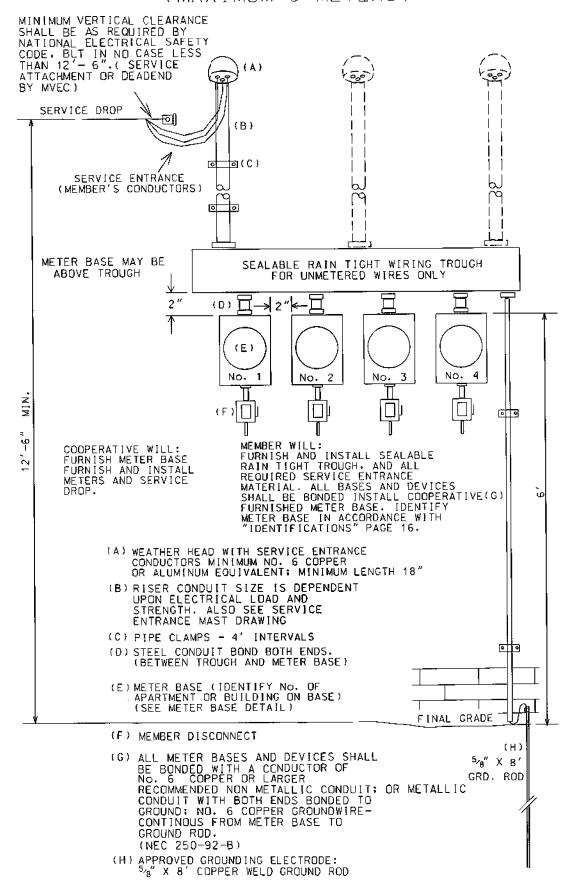
TRENCH, BACKFILL, FURNISH AND INSTALL 21-2" CONDUIT(SCHEDULE 40 PVC) TO ACCOMMODATE 1/0 TO 350 MCM SERVICE, FURNISH PULL STRING FROM THE METER AS REQUIRED TO THE UNDERGROUND TRANSFORMER, PEDESTAL OR DIP POLE.

- (A) METER BASE (SEE METER BASE DETAIL)
- (B) MINIMUM 2" CLEARANCE BETWEEN ALL ENCLOSURES, MINIMUM WIRE SIZE NO. 6 COPPER OR AL EQUIVALENT
- (C) MEMBER DISCONNECT
- (D) REQUIRED GFC! RECEPTACLE OR GFC! PROTECTION WITH WEATHER PROOF COVER: 120 VOLTS OUTLET.
 (IF OUTLET IS INSTALLED)



Jan Kristinisti in Si

OVERHEAD GROUP METERING (MAXIMUM 6 METERS)

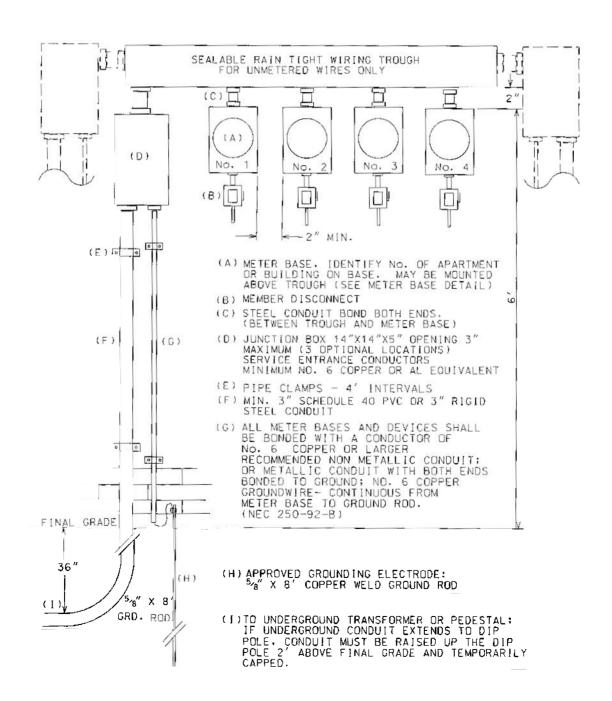


the little factory is a region of the energy t

UNDERGOUND GROUP METERING (MAXIMUM 6 METERS)

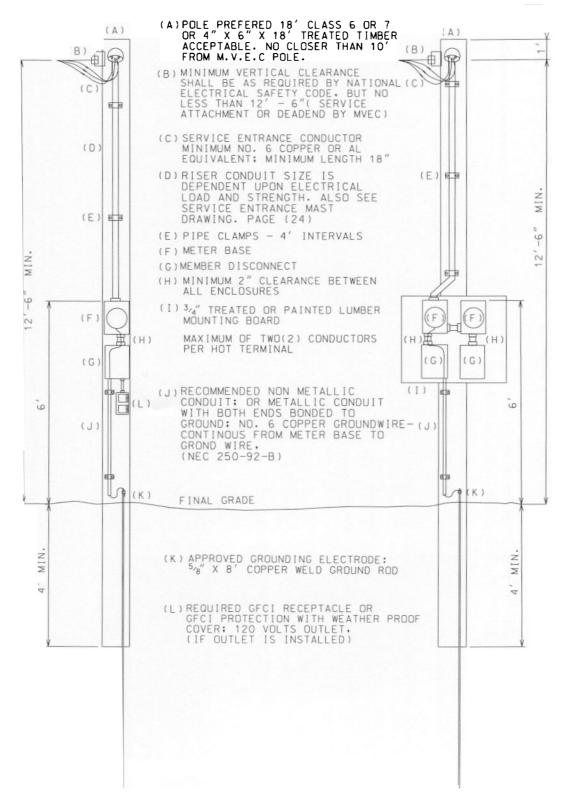
COOPERATIVE WILL:
CONNECT THE SERVICE CONDUCTOR TO
THE MEMBER'S CONDUCTORS IN THE JUNCTION BOX AND ONLY
TO A SINGLE SET OF CONDUCTORS, AND INSTALL SERVICE IN
ACCORDANCE WITH THE COOPERATIVE'S STANDARD
UNDERGROUND SERVICE POLICY.

MEMBER WILL:
FURNISH AND INSTALL SEALABLE RAIN TIGHT TROUGH, JUNCTION
BOX AND ALL REQUIRED SERVICE ENTRANCE MATERIAL. INSTALL AND
FURNISH METER BASE, ALL BASES AND DEVICES SHALL BE BONDED.
FURNISH AND INSTALL CONDUIT (F&I) FROM JUNCTION BOX TO
UNDERGROUND TRANSFORMER, PEDESTAL, OR DIP POLE.
(SEE DRAWING UNDERGROUND METER INSTALLATION FOR LIMITS)
IDENTIFY METER BASE IN ACCORDANCE WITH "IDENTIFICATIONS" PAGE 16.

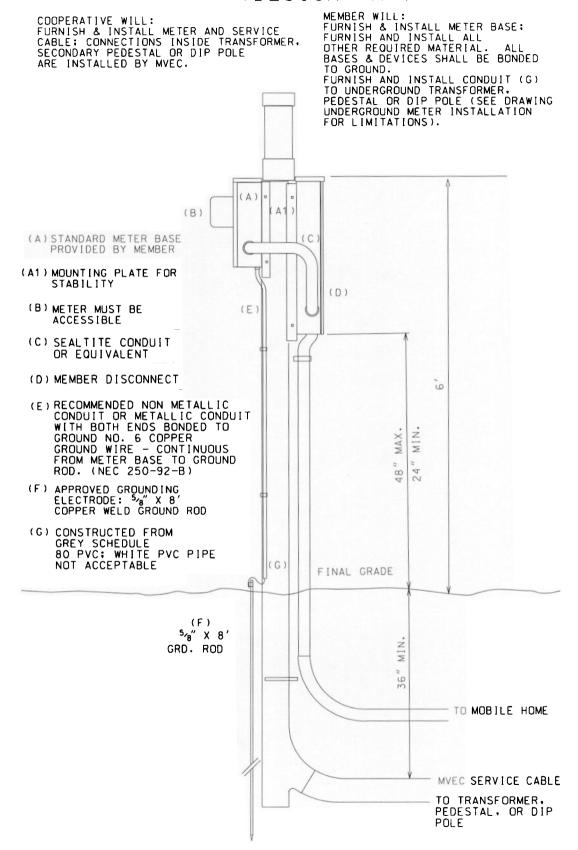


CONSUMER OWNED SERVICE POLE INSTALLATION

COOPERATIVE WILL: FURNISH AND INSTALL METER AND SERVICE DROP. MEMBER WILL:
FURNISH & INSTALL METER BASE, FURNISH AND
INSTALL ALL OTHER REQUIRED MATERIALS, ALL
BASES AND DEVICES SHALL BE BONDED TO GROUND



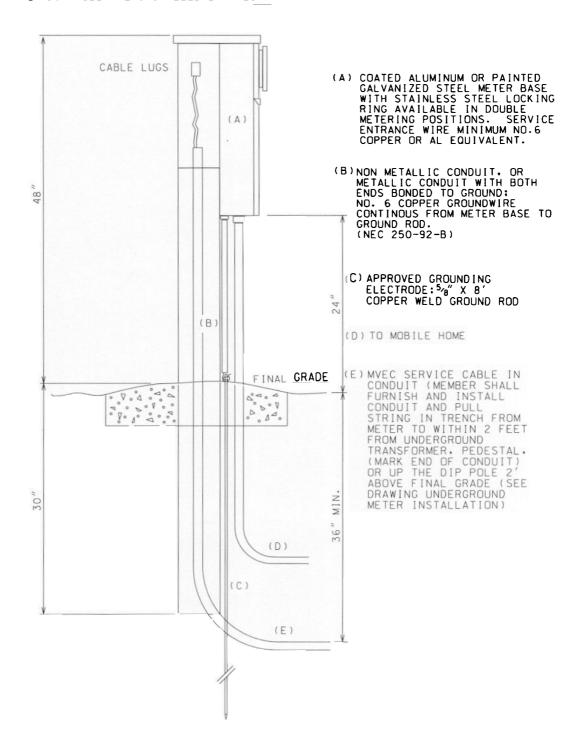
1 PHASE UNDERGROUND METERING (DESIGN "A")



1 PHASE UNDERGROUND MOBILE HOME METERING AND SERVICE PEDESTAL (DESIGN "B")

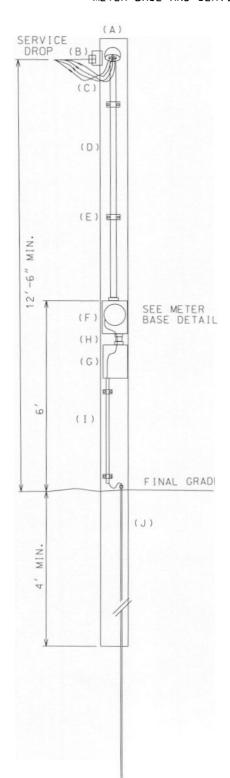
COOPERATIVE WILL:
FURNISH & INSTALL METER AND SERVICE
CABLE; CONNECTIONS INSIDE
TRANSFORMER, SECONDARY PEDESTAL,
CR DIP POLE ARE INSTALLED BY MVEC.

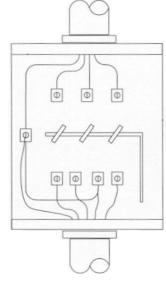
MEMBER WILL:
FURNISH AND INSTALL METER BASE AND ALL
OTHER REQUIRED EQUIPMENT. ALL BASES
& DEVICES SHALL BE BONDED TO GROUND



3 PHASE POLE MOUNTED METER INSTALLATION

COOPERATIVE WILL: FURNISH AND INSTALL METER, METER BASE AND SERVICE DROP. MEMBER WILL:
INSTALL METER
BASE FURNISH AND INSTALL
ALL OTHER REQUIRED
MATERIALS. ALL BASES
& DEVICES SHALL BE
BONDED TO GROUND





METER BASE DETAIL

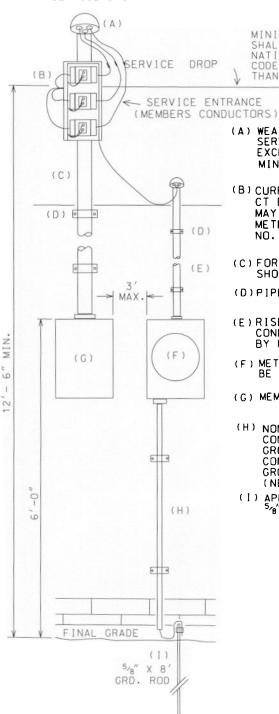
REFER TO PAGE 39 FOR 3W 3 PHASE 240 VOLT OR 480 VOLT INSTALLATION

REFER TO PAGE 41 FOR 4W DELTA OR 4W WYE INSTALLATION

- (A) POLE SHALL BE 18' CLASS 6 OR 7
- (B) MINIMUM VERTICAL CLEARANCE SHALL BE AS REQUIRED BY NATIONAL ELECTRICAL SAFETY CODE: BUT IN NO CASE LESS THAN 12'-6"(SERVICE ATTACHMENT OR DEADEND BY MYEC)
- (C) WEATHER HEAD AND SERVICE ENTRANCE WIRE; MINIMUM LENGTH 18" AND MINIMUM NO. 6 COPPER OR ALUMINUM. EQUIVALENT
- (D) RISER CONDUIT SIZE IS DEPENDENT UPON ELECTRICAL LOAD AND STRENGTH. SEE ALSO SERVICE ENTRANCE MAST DRAWING
- (E) PIPE CLAMPS 4' INTERVALS
- (F) METER BASE (SEE METER BASE DETAILS)
- (G) MEMBER'S DISCONNECT
- (H) MINIMUM 2" CLEARANCE BETWEEN ALL ENCLOSURES, MINIMUM WIRE NO. 6 COPPER OR AL. EQUIVALENT
- NON METALLIC CONDUIT OR METALLIC CONDUIT WITH BOTH ENDS BONDED TO GROUND: NO. 6 COPPER GROUNDWIRE-CONTINUOUS FROM METER BASE TO GROUND ROD. (NEC 250-92-B)
- (J) APPROVED GROUNDING ELECTRODE: 5/8" X 8' COPPER WELD GROUND ROD

CURRENT TRANFORMER- CT METERING OVERHEAD METERING EQUIPMENT TRANSFORMERS MOUNTED ON MAST

COOPERATIVE WILL: FURNISH CT EQUIPMENT. FURNISH METER BASE & INSTALL METER AND SERVICE DROP. MEMBER WILL:
INSTALL METER BASE AND CT BRACKET.
FURNISH AND INSTALL ALL OTHER REQUIRED
MATERIALS. ALL BASES AND ENCLOSURES
BONDED TO GROUND.



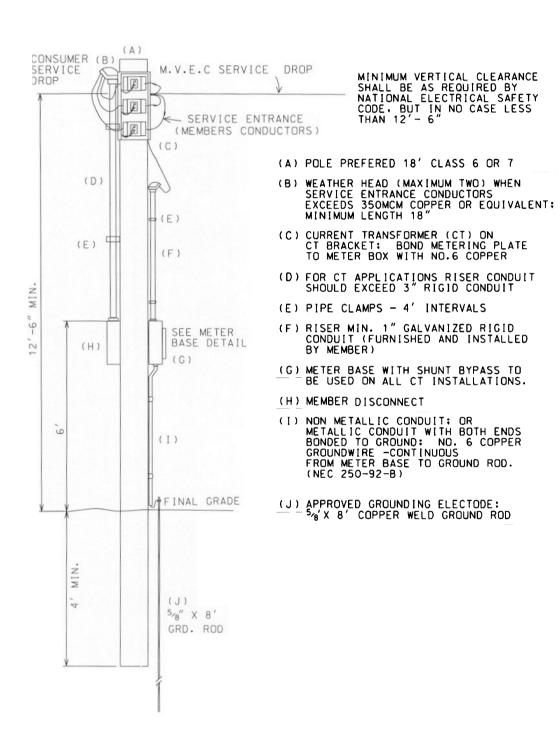
(A) WEATHER HEAD (MAXIMUM TWO) WHEN SERVICE ENTRANCE CONDUCTORS EXCEEDS 350MCM COPPER OR EQUIVALENT: MINIMUM LENGTH 18"

MINIMUM VERTICAL CLEARANCE SHALL BE AS REQUIRED BY NATIONAL ELECTRICAL SAFETY CODE, BUT IN NO CASE LESS THAN 12'-6"

- (B) CURRENT TRANSFORMER (CT) ON CT BRACKET; (ALTERNATE: BRACKET MAY BE MOUNTED ON BUILDING) BOND METERING PLATE TO METER BOX WITH NO. 6 COPPER
- (C) FOR CT APPLICATIONS RISER CONDUIT SHOULD EXCEED 3" RIGID CONDUIT
- (D) PIPE CLAMPS 4' INTERVALS
- (E) RISER MIN. 1" GALVANIZED RIGID CONDUIT (FURNISHED AND INSTALLED BY MEMBER)
- (F) METER BASE WITH SHUNT BYPASS TO BE USED ON ALL CT INSTALLATIONS.
- (G) MEMBER DISCONNECT
- (H) NON METALLIC CONDUIT: OR METALLIC CONDUIT WITH BOTH ENDS BONDED TO GROUND: NO. 6 COPPER GROUNDWIRE CONTINUOUS FROM METER BASE TO GROUND ROD. (NEC 250-92-B)
- (1) APPROVED GROUNDING ELECTRODE:
 5%" X 8'COPPER WELD GROUND ROD

CURRENT TRANSFORMER - CT METERING OVERHEAD METERING EQUIPMENT TRANSFORMERS MOUNTED ON POLE

COOPERATIVE WILL: FURNISH CT EQUIPMENT. FURNISH METER BASE, INSTALL METER AND SERVICE DROP. MEMBER WILL:
INSTALL METER BASE AND CT
BRACKET. FURNISH AND INSTALL ALL OTHER
REQUIRED MATERIALS. ALL BASES & DEVICES
SHALL BE BONDED TO GROUND.

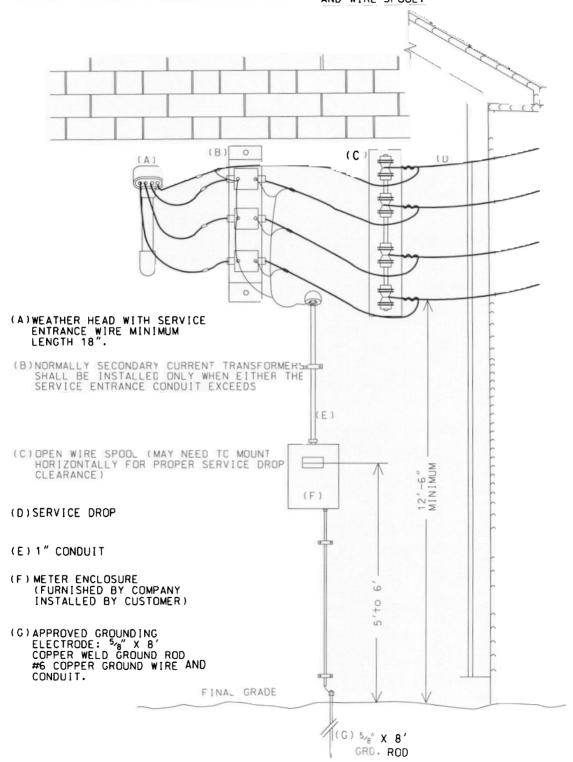


CURRENT TRANSFORMERS- CT METERING (TRANSFORMERS MOUNTED ON BUILDING)

COOPERATIVE WILL:
FURNISH, INSTALL AND MAINTAIN
SERVICE DROP, CURRENT TRANSFORMER,
METER ENCLOSURE AND MAKE CONNECTIONS
TO CUSTOMER'S SERVICE ENTRANCE
CONDUCTORS.(WIRE) FURNISH AND INSTALL
WIRING BETWEEN INSTRUMENT TRANSFORMER
AND METER, FURNISH METER ENCLOSURE WIRE
SPOOL(-7 POINT RACK), CT BRACKET.

MEMBER WILL:
FURNISH. INSTALL AND
MAINTAIN SERVICE ENTRANCE AND
ALL OTHER REQUIRED MATERIALS.

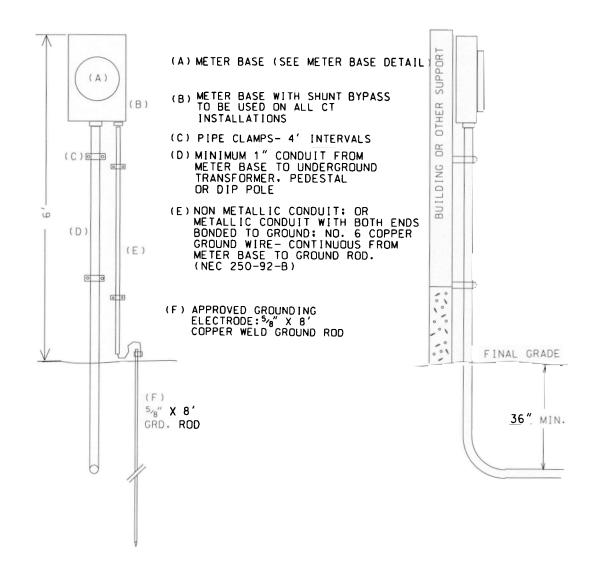
FURNISH. INSTALL AND
MAINTAIN 1" MINIMUM CONDUIT
AND FITTINGS BETWEEN INSTRUMENT
TRANSFORMER AND INSTALL CT BRACKET.
AND WIRE SPOOL.



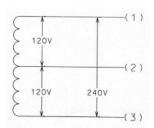
UNDERGROUND CURRENT TRANSFORMER METERING INSTALLATION

COOPERATIVE WILL: INSTALL METER

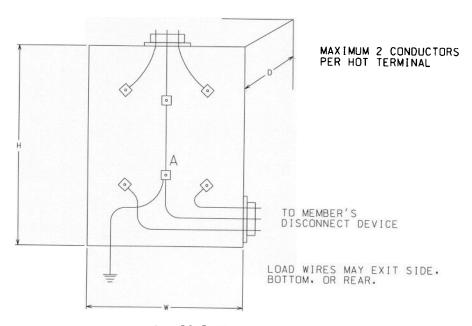
FURNISH AND INSTALL CABLE. C/T AND CONNECTIONS INSIDE OF TRANSFORMER OR SECONDARY ENCLOSURE MEMBER WILL:
FURNISH & INSTALL METER BASE
FURNISH AND INSTALL ALL OTHER
REQUIRED MATERIALS, 1" PVC CONDUIT
AND PULL STRING TO BE FURNISHED BY
MEMBER FROM THE METER BASE TO THE
UNDERGROUND TRANSFORMER OR
PEDESTAL, INSTALL TRENCH & BACKFILL
SPECIAL ARRANGEMENTS WILL BE MADE
IF C/T CANNOT BE INSTALLED IN
TRANSFORMER SEE PAGE 43-46



OVERHEAD 1 PHASE METER BASE 120/240 VOLT



3₩ 1φ 120/240 VOLT SERVICE



ALL DIMENSIONS ARE NOMINAL

100 AMPERE METER BASE H=10", W=8", D=35%", HUB=114"
MAXIMUM WIRE SIZE 2/0
MINIMUM WIRE SIZE 6

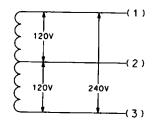
200 AMPERE METER BASE

H=14". W=8". D=4³/₈". HUB=2" MAXIMUM WIRE SIZE 250MCM MINIMUM WIRE SIZE 6

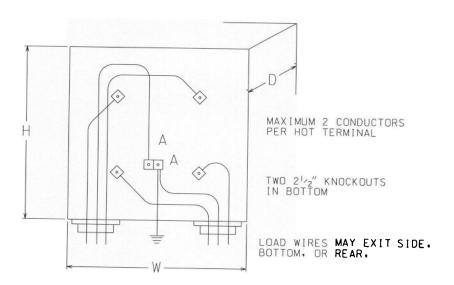
320 AMPERE METER BASE H=26". W=16'. D=5'. HUB=3"
MAXIMUM WIRE SIZE 600MCM
OR PARALLEL 350 MCM
MINIMUM WIRE SIZE 6

NOTE: NO. 6 COPPER- CONTINUOUS GROUND WIRE FROM METER BASE (CONNECTION "A") TO GROUND ROD.

UNDERGROUND 1 PHASE METER BASE 120/240 VOLT



3W 1 120/240 VOLT SERVICE

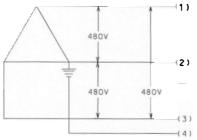


ALL DIMENSIONS ARE NOMINAL

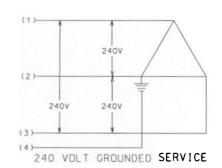
200 AMPERE METER BASE H=14", W=11", D=4" MAXIMUM WIRE SIZE 250MCM

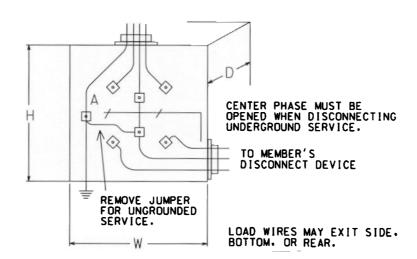
NOTE: NO. 6 COPPER- CONTINUOUS GROUND WIRE FROM METER BASE (CONNECTION "A") TO GROUND ROD.

OVERHEAD 3W 3 PHASE 5 TERMINAL METER BASE 240 OR 480 VOLT WITH 4+h WIRE



480 VOLT GROUNDED SERVICE





ALL DIMENSIONS ARE NOMINAL

200 AMPERE METER BASE H=17". W=10". D=5\(^1/4\)". HUB=2"
MAXIMUM WIRE SIZE 350MCM
MAXIMUM 75HP W/BYPASS AND JAW RELEASE

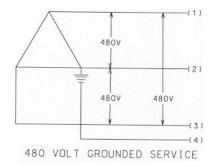
200 AMPERE METER BASE 480 VOLT MAXIMUM WIRE SIZE 350MCM MAXIMUM 150HP W/BYPASS AND JAW RELEASE

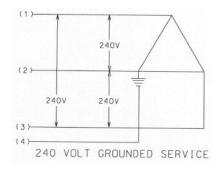
NOTES:

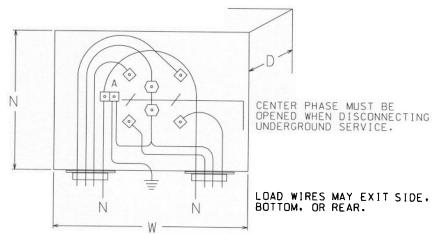
- 1. WHEN USED ON 480 VOLT, THIS METER BASE WILL BE IDENTIFIED AS PER USE ON 480 VOLT ONLY.
- 2. NO. 6 COPPER- CONTINUOUS GROUND WIRE FROM METER BASE (CONNECTION "A") TO GROUND ROD.

UNDERGROUND 3W 3 PHASE 5 TERMINAL METER BASE 240 OR 480 VOLT WITH 4th WIRE

(OVERHEAD TRANSFORMER ONLY WITH UNDERGROUND SERVICE.)







ALL DIMENSIONS ARE NOMINAL

200 AMPERE SOCKET 240 VOLT

H=19'\4", W=13'\4", D=5'\4" MAXIMUM WIRE SIZE 350MCM MAXIMUM 75HP W/BYPASS AND JAW RELEASE

200 AMPERE SOCKET 480 VOLT

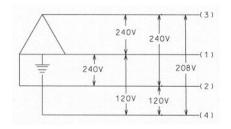
H=191/4". W=131/4". D=51/4" MAXIMUM WIRE SIZE 350MCM MAXIMUM 150HP W/BYPASS AND JAW RELEASE

NOTES:

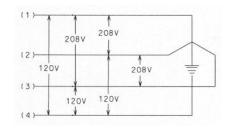
WHEN USED ON 480 VOLT, THIS SOCKET WILL BE IDENTIFIED AS PER USE ON 480 VOLT ONLY.

NO. 6 COPPER- CONTINUOUS GROUND WIRE FROM METER BASE (CONNECTION "A") TO GROUND ROD

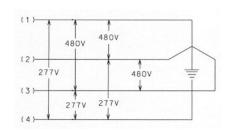
OVERHEAD 4W 3 PHASE 7 TERMINAL METER BASE



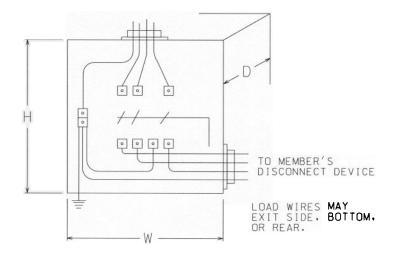
4W 3 PHASE 120/240 VOLT SERVICE



4W 3 PHASE 120/208 VOLT SERVICE



4W 3 PHASE 277/480 VOLT SERVICE



ALL DIMENSIONS ARE NOMINAL

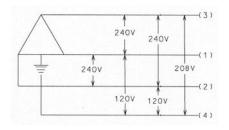
200 AMPERE METER BASE H=17". W=10", D=5 $^3\nu_4$ ". HUB=2 $^1\nu_2$ " MAXIMUM WIRE SIZE 350MCM BYPASS AND JAW RELEASE

320 AMPERE METER BASE $H=26^{1} {}_4^{\prime\prime}$, $W=17^3 {}_4^{\prime\prime}$, $D=7^{\prime\prime}$, $HUB=3^{\prime\prime}$ MAXIMUM WIRE SIZE 600MCM BYPASS AND JAW RELEASE

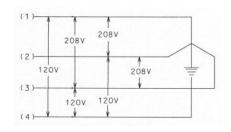
320 AMPERE METER BASE H=28 1/4", W=131/2", D=6", HUB=4"
MAXIMUM WIRE SIZE GOOMCM
OR PARALLEL 4/0 - 350MCM
PER TERMINAL WITH BYPASS AND JAW RELEASE

NOTE: NO. 6 COPPER- CONTINOUS GROUND WIRE FROM METER BASE (CONNECTION "A") TO GROUND ROD.

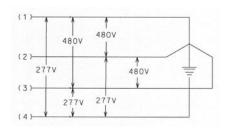
UNDERGROUND 4W 3 PHASE METER BASE 7 TERMINAL METER BASE



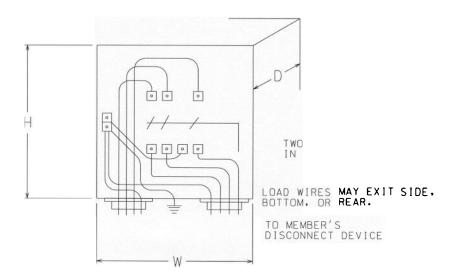
4W 3 PHASE 120/240 VOLT SERVICE OVERHEAD TRANSFORMER ONLY WITH UNDERGROUND SERVICE



4W 3 PHASE 120/208 VOLT SERVICE



4W 3 PHASE 277/480 VOLT SERVICE



ALL DIMENSIONS ARE NOMINAL

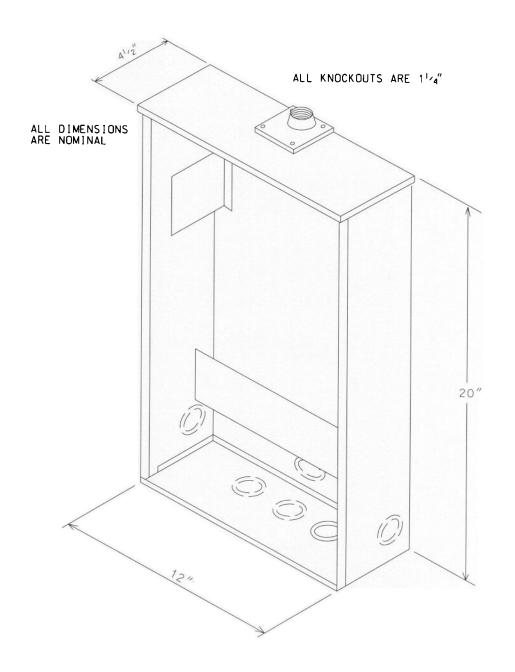
H=19¹/₄". W=12³/₄". D=5¹/₄" MAXIMUM WIRE SIZE 350MCM BYPASS AND JAW RELEASE 200 AMPERE METER BASE

ASE H=26¹/₄", W=17³/₄", D=7", HUB=3" MAX1MUM WIRE SIZE 600MCM BYPASS AND JAW RELEASE 320 AMPERE METER BASE

320 AMPERE METER BASE H=28 1/4" • W=131/2" • D=6" HUB=4"
MAXIMUM WIRE SIZE 600MCM
OR PARALLEL 4/0 - 350MCM
PER TERMINAL WITH BYPASS AND JAW RELEASE

NOTE: NO. 6 COPPER- CONTINOUS GROUND WIRE FROM METER BASE (CONNECTION "A") TO GROUND ROD.

TRANSFORMER RATED METER BASE WITH TEST SWITCH COMPARTMENT

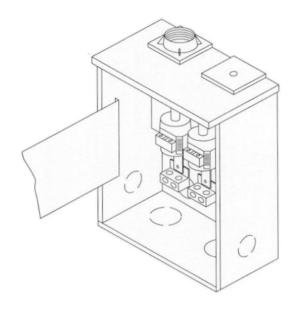


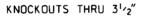
COOPERATIVE WILL: FURNISH C/T, INSTALL METER AND METER WIRING. MEMBER WILL:
FURNISH AND INSTALL ENCLOSURE AND
ALL OTHER REQUIRED MATERIALS
FURNISH & INSTALL METER BASE
AND C/T. AS DIRECTED BY COOPERATIVE

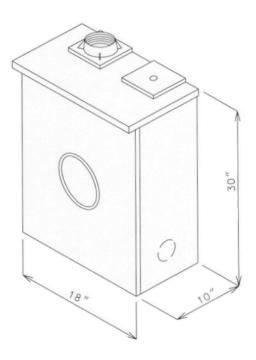
TRANSOCKET (RATING FACTOR 3.0)

NORMAL HUB SIZES $3" \cdot 3^{1} \cdot 2" \cdot 4"$

ALL DIMENSIONS ARE NOMINAL



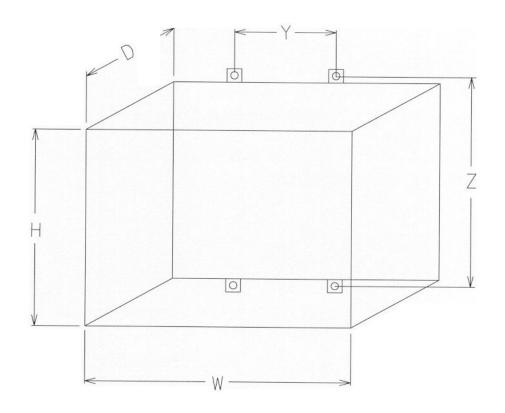




UNITS: 300 AMPERE 120/240 VOLT 4W DELTA
300 AMPERE 120/240 VOLT 4W WYE
MAXIMUM WIRE SIZE PARALLEL 350MCM

COOPERATIVE WILL: FURNISH C/T AND METER. FURNISH AND INSTALL METER AND METER WIRING. MEMBER WILL:
FURNISH AND INSTALL ENCLOSURE AND
ALL OTHER REQUIRED MATERIALS
FURNISH & INSTALL METER BASE AND C/T.
AS DIRECTED BY COOPERATIVE

WALL MOUNTED METERING TRANSFORMER ENCLOSURE USED PRIMARILY TO ENCLOSE METERING TRANSFORMERS



ALL DIMENSIONS ARE NOMINAL

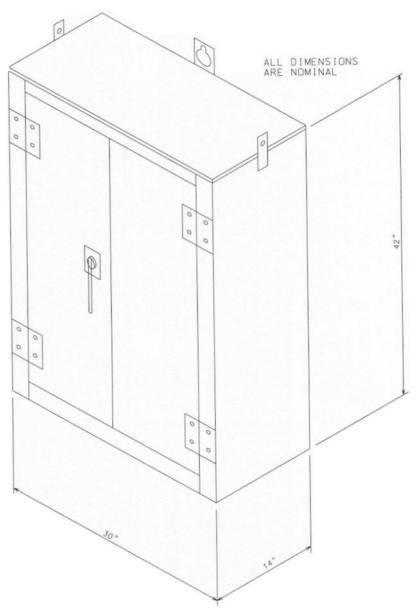
XXAN-25 $H=24^{1} \cdot 4^{"}$. $W=25^{1} \cdot 4^{"}$. $D=12^{1} \cdot 4^{"}$. $Y=19^{"}$. $Z=26^{"}$

XXAN-35 $H=34^{1}/_{2}^{"}$, $W=34^{1}/_{2}^{"}$. $D=12^{1}/_{4}^{"}$, $Y=26^{"}$, $Z=38^{"}$

XXAN-48 H=48", W=48", D=12", Y=29", Z= $50^{1}/2$ "

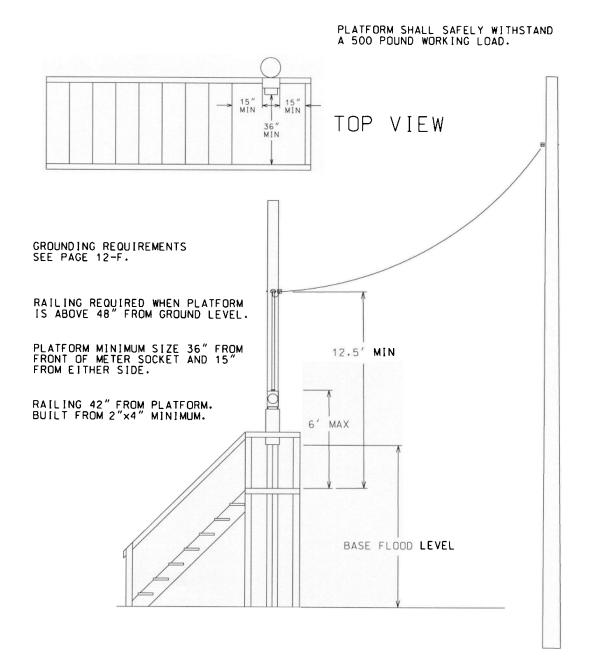
COOPERATIVE WILL: FURNISH C/T AND METER. FURNISH AND INSTALL METER AND METER WIRING. MEMBER WILL:
FURNISH AND INSTALL ENCLOSURE AND
ALL OTHER REQUIRED MATERIALS
FURNISH & INSTALL METER BASE AND C/T.
AS DIRECTED BY COOPERATIVE

METERING TRANSFORMER ENCLOSURE (DOUBLE DOOR)

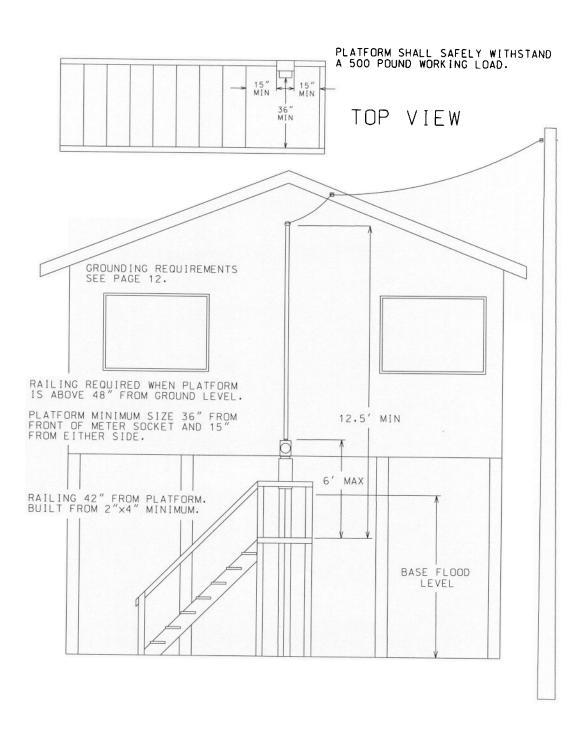


COOPERATIVE WILL: FURNISH C/T AND METER. FURNISH AND INSTALL METER AND METER WIRING. MEMBER WILL:
FURNISH AND INSTALL ENCLOSURE AND
ALL OTHER REQUIRED MATERIALS
FURNISH & INSTALL METER BASE AND C/T,
AS DIRECTED BY COOPERATIVE

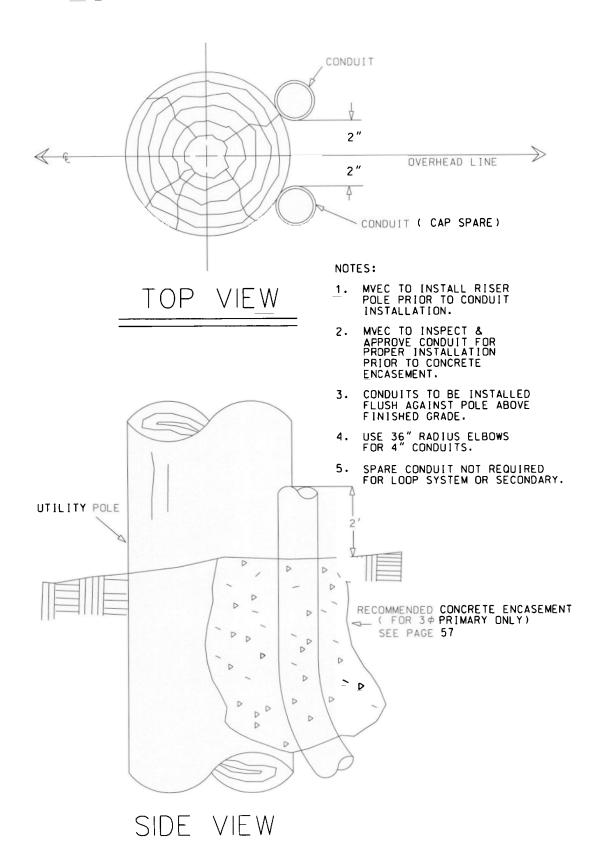
1 PHASE OVERHEAD METER INSTALLATION POLE MOUNT ABOVE FLOOD LEVEL W/PLATFORM



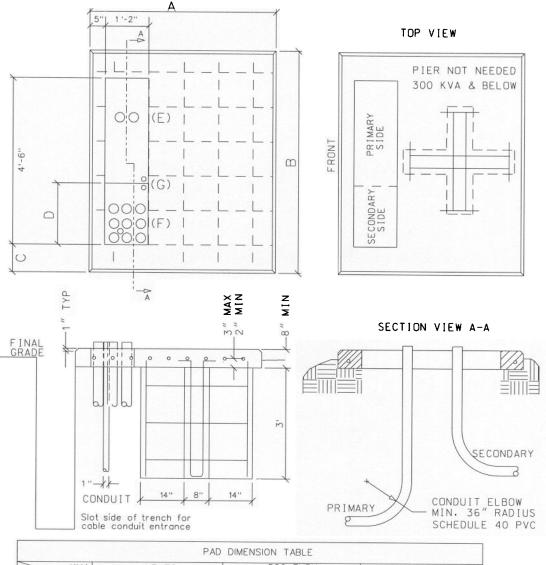
1 PHASE OVERHEAD METER INSTALLATION WALL MOUNT ABOVE FLOOD LEVEL W/PLATFORM



DETAIL OF CONDUIT INSTALLATION AT PRIMARY OR SECONDARY RISER POLE



CONCRETE PAD ASSEMBLY FOR THREE PHASE PADMOUNT TRANSFORMER



	PAD	DIMENSION TABLE	
DIM	UP TO 300 KVA	500 THRU 1000 KVA	1500 THRU 3000 KVA
A	5'-0"	6'-0"	7'-0"
В	6'-0"	7'-0"	8'-0"
С	0'-9"	1'-3''	1'-9"
D	1'-8"	2'-0"	2'-0"
Е	HIGH VOLTAGE OR PRIMARY SIDE OF TRANSFORMER, PRIMARY CONDUITS		
F	LOW VOLTAGE OR SECONDARY SIDE OF TRANSFORMER, ONE 1" CONDUIT FOR METERING, OTHER CONDUITS FOR SECONDARY WIRE		
G	CONSUMER TO INSTALL GROUND RODS %" X 8' IN COMPARTMENT OPENING		

- NOTES:

 1. PAD ASSEMBLIES INCLUDE SITE PREPARATION, BEDDING AND DRAINAGE.

 2. SLABS MAY BE PRECAST OR POURED IN PLACE
 3. CONCRETE TESTING 4000 POUNDS PER SQUARE INCH.

 4. STEEL REINFORCING SHOULD BE NO. 4 REAR.
 AATSM-A615 GRADE 60. PLACE APPROX. 6" OPPOSITE
 CORNER EACH WAY AND SECURELY TIED TOGETHER.

 5. MINIMUM CONCRETE COVER OVER REINFORCING STEEL 5 INCHES.

 6. WOOD FLOAT FINISH, LEAVING NO DEPRESSION.

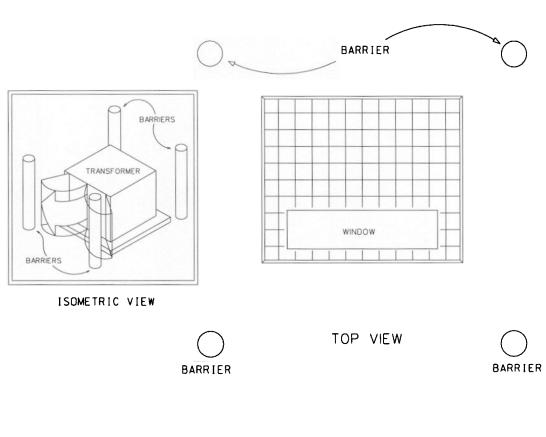
 7. CONTACT MYEC REPRESENTATIVE TO INSPECT BEFORE POURING CONCRETE.

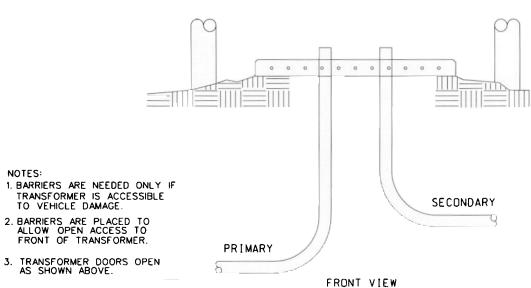
 8. A CLEAR AREA SHOULD BE MAINTAINED FOR 10 FEET IN FRONT OF PADMOUNT.

 9. TOP OF PAD SHOULD BE A MIN OF 3" ABOVE GRADE AND BOTTOM OF PAD A MIN OF 5" BELOW GRADE.

 10. CONDUITS SHOULD BE IN FRONT BUT NOT UNDER WEIGHT OF TRANSFORMER.

THREE PHASE PADMOUNT TRANSFORMER FOUNDATION AND BARRIER DETAIL

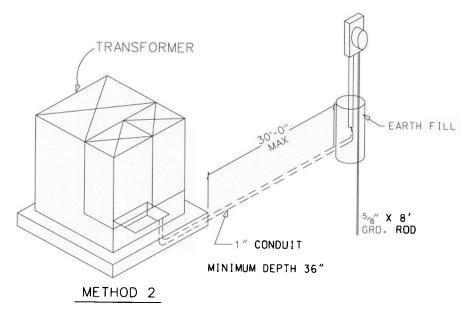




C.T METER INSTALLATION **UNDERGROUND**

(NOTE: DO NOT ATTACH METER BASE DIRECTLY TO TRANSFORMER) PADMOUNT TRANSFORMER 5/8" X 8' GRD. ROD SEE OTHER SKETCHES FOR PROPER GROUNDING CONTROL CABLE IN 1" CONDUIT MINIMUM DEPTH 36"

METHOD 1



NOTES:

METHOD 1:

- HOD 1:

 PREFERRED METHOD FOR INSTALLATION OF

 METERING IS TO MOUNT METER SOCKET OR

 CABINET ON BUILDING WALL.

 METER HEIGHT SHALL BE 5'-0" TO CENTER OF METER.

 METER SOCKET MUST NOT BE ATTACHED DIRECTLY TO

 PADMOUNT TRANSFORMER.

 CONDUIT SHALL BE USED FOR SECONDARY CONTROL

 WIRES TO METER SOCKET. 2. 3.

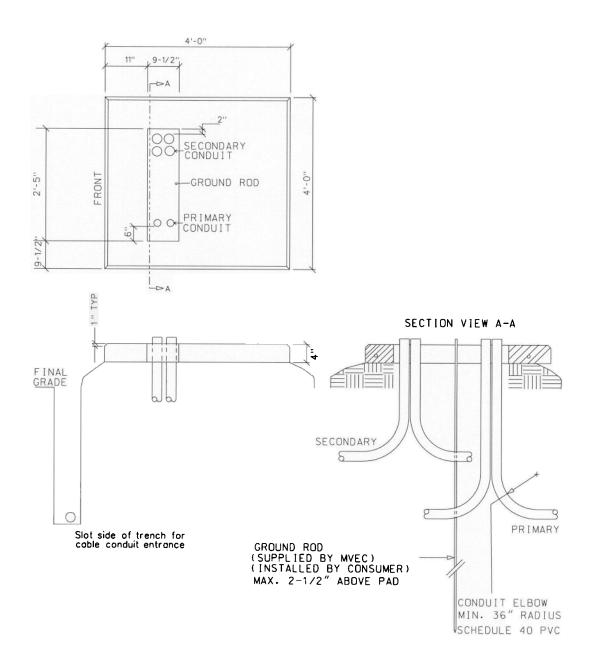
- METHOD 2:

 1. METHOD TO USE IF METER SOCKET OR CABINET MUST BE MOUNTED FREE STANDING.

 2. METER SOCKET MUST NOT BE ATTACHED DIRECTLY TO

- PADMOUNT TRANSFORMER.
 5'-0" MINIMUM HEIGHT TO CENTER OF METER.
 CONDUIT SHALL BE USED FOR SECONDARY CONTROL
 WIRES TO METER SOCKET.

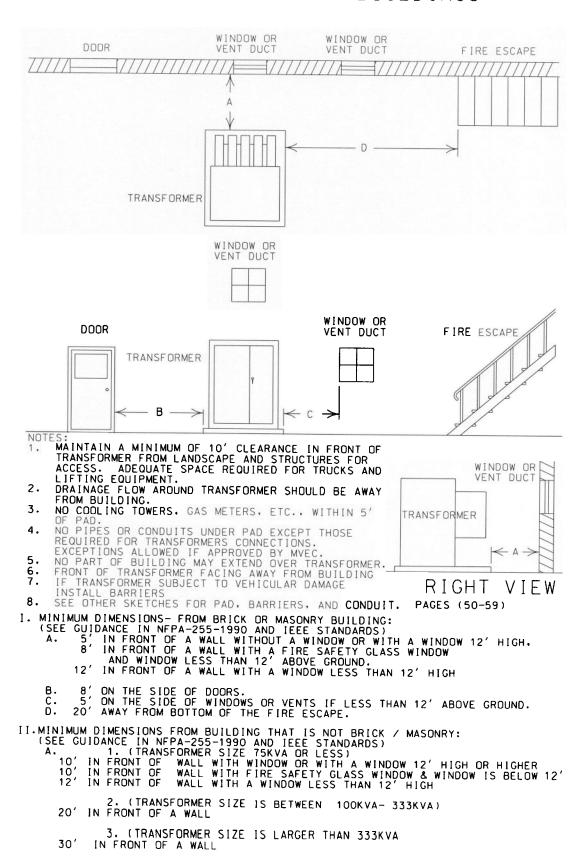
PAD ASSEMBLY FOR SINGLE PHASE PADMOUNT TRANSFORMER



NOTES:

- 1. PAD ASSEMBLIES INCLUDE SITE PREPARATION, BEDDING AND DRAINAGE.
- 2. A CLEAR AREA SHOULD BE MAINTAINED FOR 10 FEET IN FRONT OF PADMOUNT.
- 3. CONDUITS SHOULD BE IN FRONT BUT NOT UNDER WEIGHT OF TRANSFORMER.
- 4. PRIMARY CONDUIT IS 48" BELOW FINAL GRADE SECONDARY CONDUIT IS 36" BELOW FINAL GRADE

CLEARANCE REQUIREMENTS FOR OIL FILLED TRANSFORMERS AT BUILDINGS



PRIMARY TRENCH DETAIL CONDUIT SYSTEM

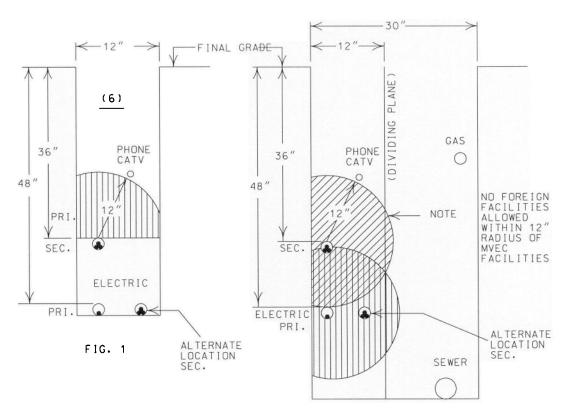
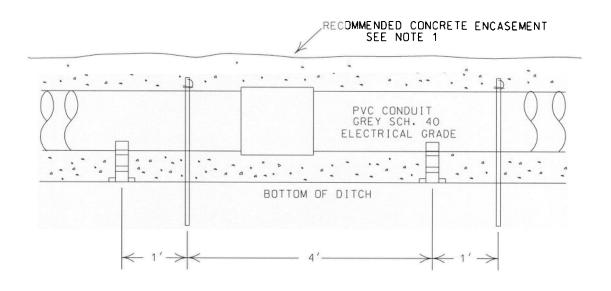
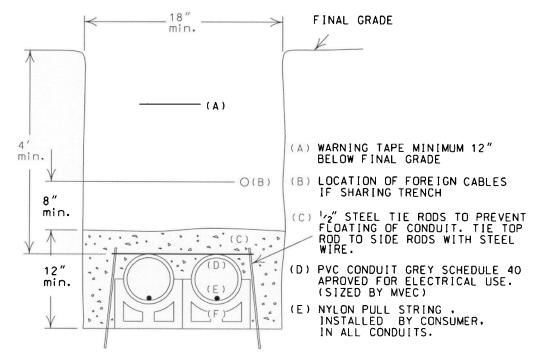


FIG. 2

- 1. THE SEPARATION BETWEEN MYEC CONDUIT SYSTEM AND OTHER UNDERGROUND STRUCTURES PARALLELING IT SHOULD BE AS LARGE AS NECESSARY TO PERMIT MAINTENANCE OF THE SYSTEM WITHOUT DAMAGE TO THE PARALLELING STRUCTURES. A CONDUIT WHICH CROSSES OVER OTHER SUBSURFACE STRUCTURES SHALL HAVE A SEPARATION SUFFICIENT TO PREVENT DAMAGE TO EITHER STRUCTURE. THESE SEPARATIONS SHOULD BE DETERMINED BY THE PARTIES INVOLVED.
- MYEC CONDUIT SYSTEM SHOULD BE SEPARATED FROM CONDUIT SYSTEMS TO BE USED FOR COMMUNICATIONS CONDUCTORS (PHONE, CATV) BY A MINIMUM OF 12 INCHES OF WELL TAMPED DIRT. (FIG. 1)
- 3. IF CONDITIONS REQUIRE MVEC CONDUIT SYSTEM TO BE INSTALLED PARALLEL TO AND DIRECTLY OVER A SANITARY OR STORM SEWER, IT MAY BE DONE PROVIDED BOTH PARTIES ARE IN AGREEMENT AS TO THE METHOD. WHERE A CONDUIT RUN CROSSES A SEWER, IT SHALL BE DESIGNED TO HAVE SUITABLE SUPPORT ON EACH SIDE OF THE SEWER TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE SEWER.
- 4. MYEC CONDUIT SYSTEM SHOULD BE INSTALLED AS FAR AS PRACTICAL FROM A WATER MAIN IN ORDER TO PROTECT IT FROM BEING UNDERMINED IF THE MAIN BREAKS.
- 5. WHERE TRENCH IS TO BE USED FOR OTHER UTILITIES IN ADDITION TO TELEPHONE AND/OR TELEVISION CABLES SUCH AS WATER, GAS, OR SEWER LINES, SPECIAL ARRANGEMENTS ON LOCATION OF THE FACILITIES MUST BE MADE. THE VARIOUS UTILITIES MUST BE ARRANGED SUCH THAT THE SEWER, GAS, AND WATER LINES AT THEIR RESPECTIVE LEVELS, OCCUPY ONE SIDE OF THE TRENCH AND THE ELECTRIC, TELEPHONE, AND TELEVISION OCCUPY THE OTHER SIDE (SEE FIG. 2). THE TRENCH DIMENSIONS SHALL BE INCREASED IN WIDTH OR DEPTH AS NECESSARY TO MAINTAIN MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN UTILITIES.
- 6. INSTALLATION OF YELLOW UNDERGROUND MARKING TAPE SHOULD BE 6"-12" BELLOW FINAL GRADE.

MINIMUM REQUIREMENTS FOR CONCRETE ENCASED CONDUIT (2 CONDUITS-RADIAL FEED) (-1 CONDUIT- LOOP FFFD)





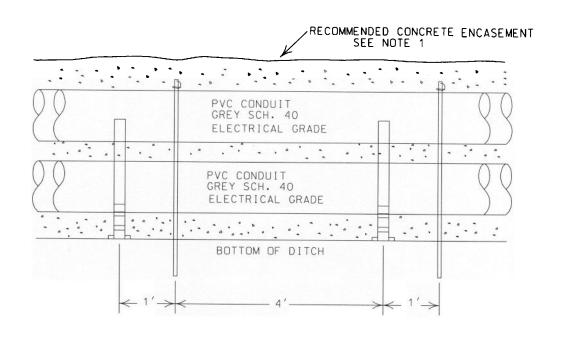
(F) PLASTIC CONDUIT SPACER CLAMPS

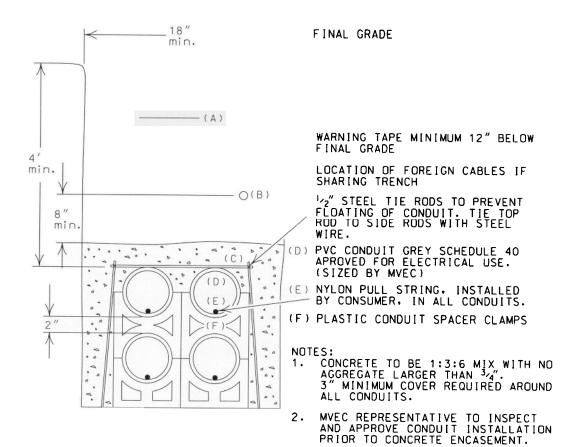
NOTES:

- 1. CONCRETE TO BE 1:3:6 MIX WITH NO AGGREGATE LARGER THAN

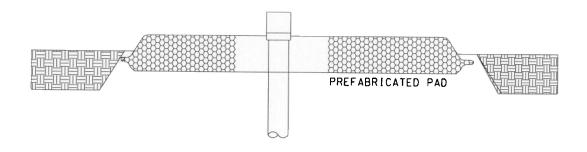
 34" 3" MINIMUM COVER REQUIRE AROUND ALL CONDUITS.
- 2. MVEC REPRESENTATIVE TO INSPECT AND APPROVE CONDUIT INSTALLATION PRIOR TO CONCRETE ENCASEMENT.

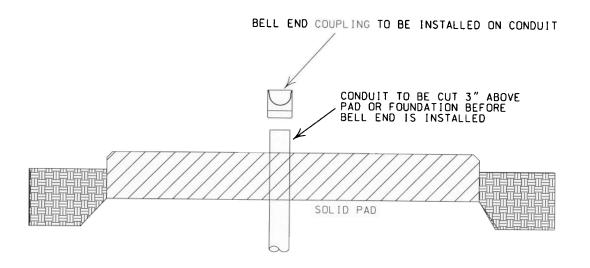
MINIMUM REQUIREMENTS FOR CONCRETE ENCASED CONDUIT (FOUR CONDUITS)





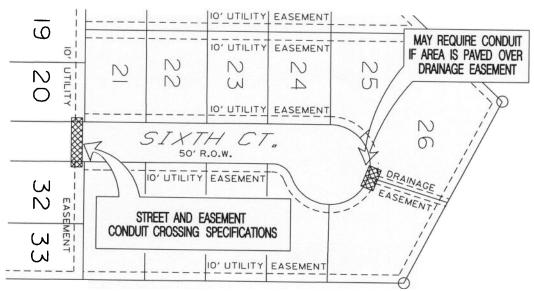
BELL END COUPLING INSTALLATION CONDUIT TERMINATIONS





NOTE:
PLACE BELL COUPLING ON END OF CONDUIT.
(EXCEPTION METER ENCLOSURES)
COVER ENDS OF UNUSED CONDUITS.
(BELL COUPLING DESIGNED TO PREVENT DAMAGE TO WIRE WHEN PULLED)

UNDERGROUND ROAD CROSSING DETAIL



DEVELOPER OR CONTRACTOR :

INSTALL CONDUIT WITH PULL STRING IN SPECIFIED STREET CROSSING LOCATIONS.

PLEASE EXTEND CONDUIT FIVE FEET PAST RIGHT OF WAY WITH TEMPORARY

CONDUIT END CAPS. WHEN WATER LINE, GAS LINE, AND SEWER LINE EASEMENTS

CROSS ELECTRICAL EASEMENTS, ENCASE CONDUIT IN CONCRETE

(- I' FOOT COVERING). PLEASE EXTEND CONDUIT THREE FEET BEYOND EASEMENTS.

PLEASE USE A WOODEN 2X4 OR OTHER VISIBLE UTILITY MARKERS (PVC OR STEEL)

TO LOCATE CONDUIT CROSSING ENDS. THE UTILITY MARKERS ARE A MINIMUM OF

TWO FEET ABOVE FINAL GRADE.

