

NOTES:

(a) THE METER POLE SIZE AND LOCATION MUST BE APPROVED BY A NGEMC DESIGN TECHNICAL.

(b) THE POLE SHALL BE STABLE. THE BACK FILL EARTH SHOULD BE WELL TAMPED. CHECK FOR A UTILITY LOCATION BEFORE DIGGING OR DRIVING THE GROUND ROD. CONTACT THE GEORGIA UTILITY PROTECTION CENTER AT 1-800-282-7411.

(c) MINIMUM GROUND LINE CLEARANCE:
 PEDESTRIAN AREAS 12.0'
 DRIVEWAYS 16.5'
 ROADS AND TRUCK -
 TRAFFIC AREAS 18.0'

(d) THE SERVICE CONDUCTORS ABOVE AND BELOW THE METER SHALL BE INSTALLED INSIDE CONDUIT. THE CONDUCTORS AND CONDUIT SHALL MEET MINIMUM STANDARDS AS REQUIRED BY THE NATIONAL ELECTRIC CODE OR THE LOCAL ELECTRICAL INSPECTOR.

(e) INSTALL 4 DIRECT BURIAL INSULATED CONDUCTORS BETWEEN THE POLE AND THE MOBILE HOME. THE CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY THE NATIONAL ELECTRIC CODE. CHECK WITH THE LOCAL ELECTRICAL INSPECTOR FOR BURIAL DEPTH AND TO SEE IF BURIAL CONDUIT IS REQUIRED.

(f) METER AND SWITCH BOX COMBINATIONS MAY BE INSTALLED IN PLACE OF THE EQUIPMENT LISTED BELOW, BUT NGEMC WILL NOT BE RESPONSIBLE FOR OR ABLE TO REPAIR THIS METERING EQUIPMENT. ALL COVERS ON METER BASES AND BOXES MUST BE IN PLACE BEFORE THE SERVICE CAN BE INSTALLED.

GROUND LINE CLEARANCE SEE NOTE (c)

(g) INSTALL GROUND AS REQUIRED BY THE NATIONAL ELECTRIC CODE OR TO MEET THE REQUIREMENTS OF THE LOCAL ELECTRICAL INSPECTOR. THE GROUNDING ELECTRODE WIRE IS NOT PERMITTED INSIDE THE NGEMC METER BASE.

SEE NOTE (g)

16' POLE 3' 6"
 20' POLE 4' 0"

② SEE NOTE (d)

30' MAXIMUM
 POLE MUST BE WITHIN SIGHT OF MOBILE HOME

④ SEE NOTE (f)

⑤

⑥

4'6"-5'6"

② SEE NOTE (d)

CONDUCTOR INSTALLATION
 SEE NOTE (e)

NGEMC K40-MH MATERIALS INSTALLED AND PROVIDED BY THE CUSTOMER.

ITEM #	QUANTITY	DESCRIPTION
1	1	6"x6" PRESURE TREATED TIMBER OR POLE 16' OR 20' LONG
2	1	CONDUIT WITH STRAPS
3	1	CONDUIT WEATHERHEAD
4	1	METER BASE ISSUED BY NGEMC (SEE NOTE f)
5	1	CONDUIT JOINING NIPPLE
6	1	WEATHER PROOF MAIN DISCONNECT BOX WITH BREAKER
7	1	# 6 CU (MINIMUM) GROUND WIRE

MARCH 20, 2007

OVERHEAD SERVICE
 MOBILE HOME

NOTES:

(a) THE METER POLE SIZE AND LOCATION MUST BE APPROVED BY A NGEMC DESIGN TECHNICAL.

(b) THE POLE SHALL BE STABLE. THE BACK FILL EARTH SHOULD BE WELL TAMPED. CHECK FOR A UTILITY LOCATION BEFORE DIGGING OR DRIVING THE GROUND ROD. CONTACT THE GEORGIA UTILITY PROTECTION CENTER AT 1-800-282-7411.

(c) MINIMUM GROUND LINE CLEARANCE:
PEDESTRIAN AREAS 12.0'
DRIVEWAYS 16.5'
ROADS AND TRUCK -
TRAFFIC AREAS 18.0'

GROUND LINE CLEARANCE SEE NOTE (c)

(d) THE SERVICE CONDUCTORS ABOVE AND BELOW THE METER SHALL BE INSTALLED INSIDE CONDUIT. THE CONDUCTORS AND CONDUIT SHALL MEET MINIMUM STANDARDS AS REQUIRED BY THE NATIONAL ELECTRIC CODE OR THE LOCAL ELECTRICAL INSPECTOR.

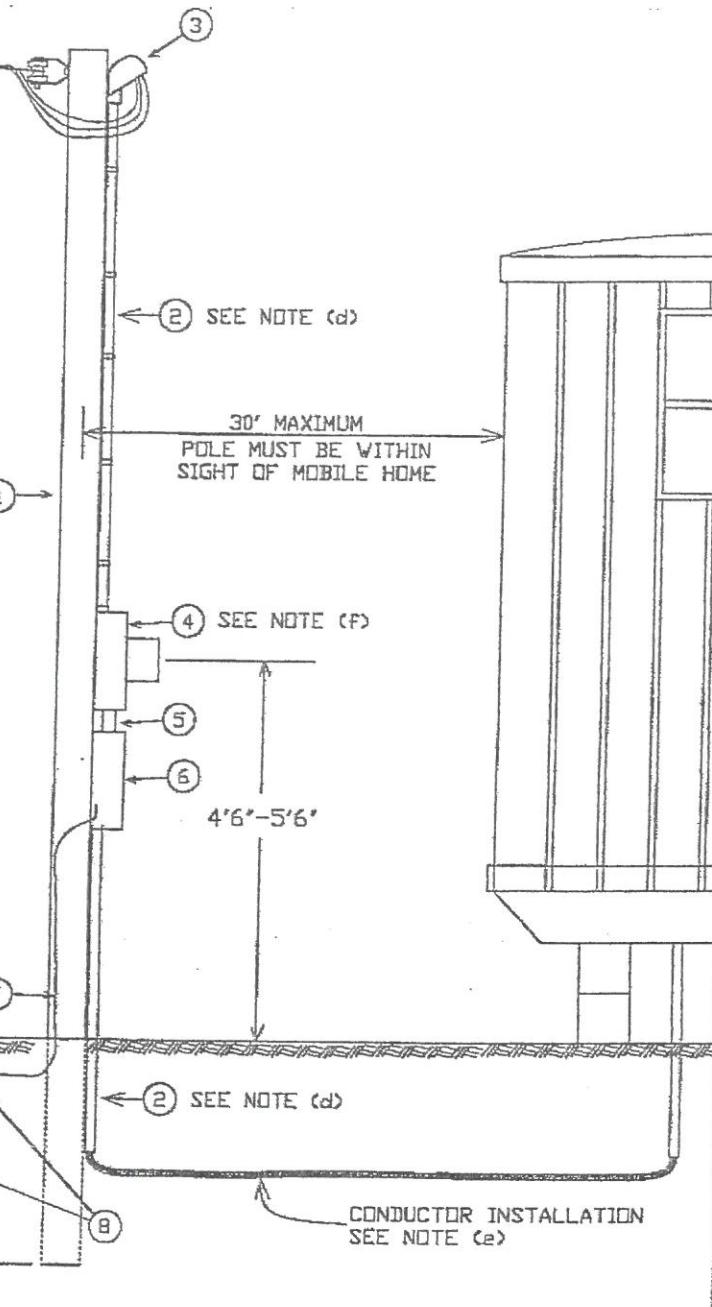
(e) INSTALL 4 DIRECT BURIAL INSULATED CONDUCTORS BETWEEN THE POLE AND THE MOBILE HOME. THE CONDUCTORS SHALL BE COLOR CODED AS REQUIRED BY THE NATIONAL ELECTRIC CODE. CHECK WITH THE LOCAL ELECTRICAL INSPECTOR FOR BURIAL DEPTH AND TO SEE IF BURIAL CONDUIT IS REQUIRED.

(f) METER AND SWITCH BOX COMBINATIONS MAY BE INSTALLED IN PLACE OF THE EQUIPMENT LISTED BELOW, BUT NGEMC WILL NOT BE RESPONSIBLE FOR OR ABLE TO REPAIR THIS METERING EQUIPMENT. ALL COVERS ON METER BASES AND BOXES MUST BE IN PLACE BEFORE THE SERVICE CAN BE INSTALLED.

(g) INSTALL GROUND AS REQUIRED BY THE NATIONAL ELECTRIC CODE OR TO MEET THE REQUIREMENTS OF THE LOCAL ELECTRICAL INSPECTOR. THE GROUNDING ELECTRODE WIRE IS NOT PERMITTED INSIDE THE NGEMC METER BASE.

SEE NOTE (g)

16' POLE 3' 6"
20' POLE 4' 0"



NGEMC K40-MH MATERIALS INSTALLED AND PROVIDED BY THE CUSTOMER.

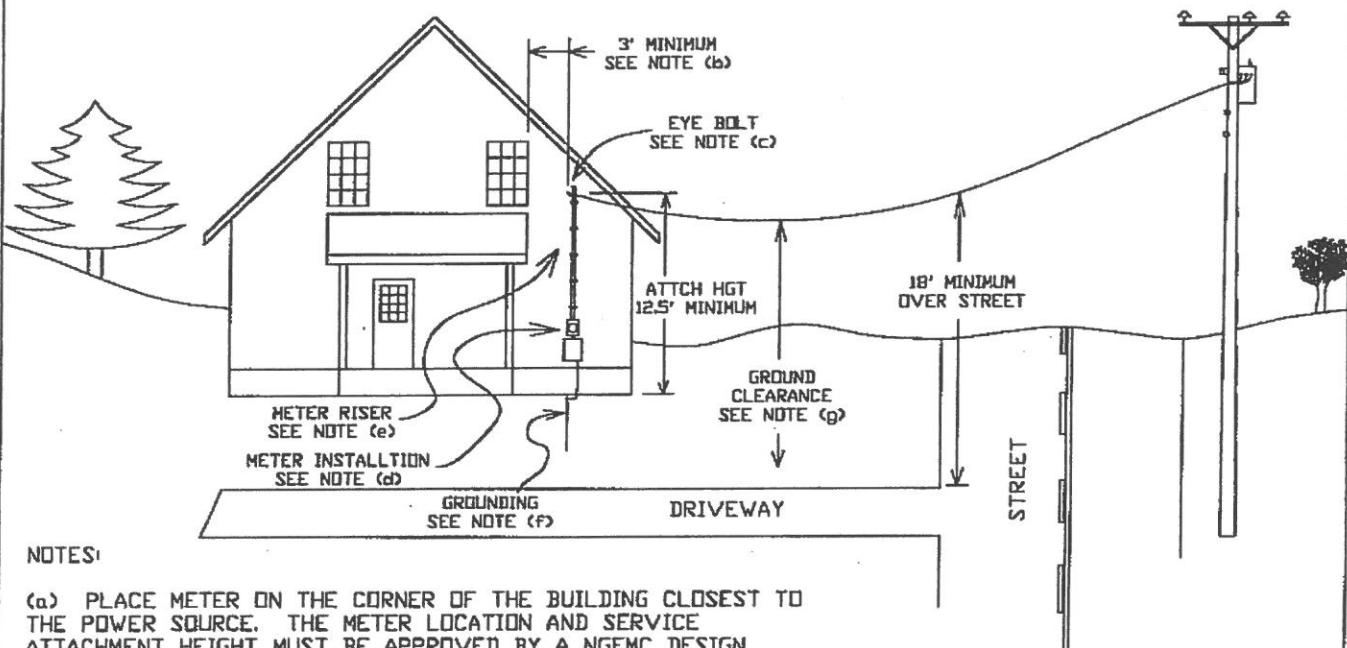
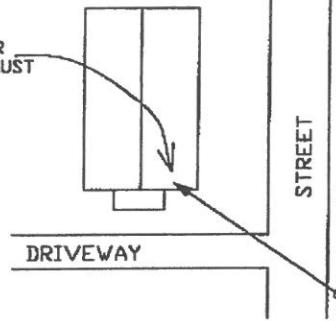
ITEM #	QUANTITY	DESCRIPTION
1	1	6"x8" PRESURE TREATED TIMBER OR POLE 16' OR 20' LONG
2	1	CONDUIT WITH STRAPS
3	1	CONDUIT WEATHERHEAD
4	1	METER BASE ISSUED BY NGEMC (SEE NOTE f)
5	1	CONDUIT JOINING NIPPLE
6	1	WEATHER PROOF MAIN DISCONNECT BOX WITH BREAKER
7	1	# 6 CU (MINIMUM) GROUND WIRE

MARCH 20, 2007

OVERHEAD SERVICE
MOBILE HOME

NGEMC

SERVICE PROVIDED TO THE CORNER CLOSEST TO THE POWER SOURCE, MUST BE APPROVED SEE NOTE (a).



NOTES:

(a) PLACE METER ON THE CORNER OF THE BUILDING CLOSEST TO THE POWER SOURCE. THE METER LOCATION AND SERVICE ATTACHMENT HEIGHT MUST BE APPROVED BY A NGEMC DESIGN TECHNICIAN.

(b) THE SERVICE ATTACHMENT POINT MUST BE LOCATED A MINIMUM OF 3' MEASURED HORIZONTALLY FROM ALL WINDOWS, DOORS, BALCONIES, FIRE ESCAPES, OR ROOF PROJECTIONS. THE SERVICE IS NOT ALLOWED TO PASS OVER ROOFS, PORCHES, PATIOS, DECKS, OR SWIMMING POOLS.

(c) THE CUSTOMER SHALL INSTALL AN EYEBOLT WITH A 1/2" MINIMUM SIZE WITH RUST PROTECTION. THE BOLT SHALL BE ATTACHED TO SUBSTANTIAL STRUCTURE. THE SERVICE HEAD MUST BE PLACED ABOVE BUT WITHIN 18" OF THE BOLT LOCATION.

(d) THE CENTER OF THE METER BASE WILL BE MOUNTED 4.5' - 5.5' ABOVE THE GROUND TO SUBSTANTIAL STRUCTURE. CHECK WITH THE LOCAL ELECTRICAL INSPECTOR FOR THE APPROVED LOCATION OF THE MAIN DISCONNECT. ALL COVERS ON METER BASES AND PANEL BOXES MUST BE IN PLACE BEFORE THE SERVICE CAN BE INSTALLED. NGEMC WILL NOT BE RESPONSIBLE FOR DAMAGE TO NON NGEMC METER BASES OR BOXES.

(e) THE METER RISER WILL CONSIST OF THREE CONDUCTORS INSTALLED INSIDE A CONDUIT WITH A SERVICE HEAD AND DRIP LOOP AT THE TOP. CHECK WITH THE LOCAL INSPECTOR TO SEE IF PVC CONDUIT IS PERMITTED. ONE APPROVED CONDUIT STRAP WILL BE PLACED WITHIN 12" OF THE METER BASE AND ONE WITHIN 12" OF THE SERVICE HEAD, AND WITH A MINIMUM INTERVAL OF 30" SPACING IN BETWEEN.

(f) THE FACILITIES SHALL BE GROUNDED AS REQUIRED BY THE NEC OR PER REQUIREMENTS OF THE LOCAL ELECTRICAL INSPECTOR. THE GROUNDING ELECTRODE WIRE IS NOT PERMITTED INSIDE THE METER BASE.

NOTES:

(g) MINIMUM GROUND CLEARANCE:	
PEDESTRIAN AREAS ONLY	12.5' *
DRIVEWAYS	16.5' *
ROADS AND STREETS	18.0'

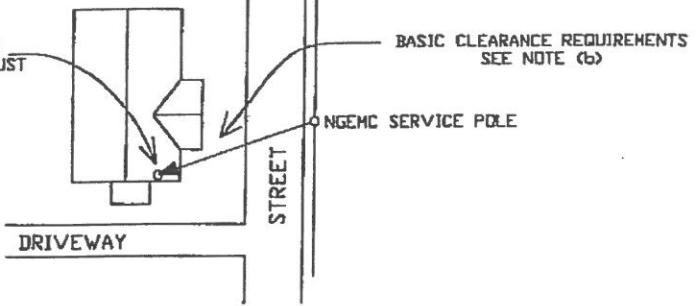
* IF ANY AREA UNDER THE SERVICE IS SUBJECT TO TRUCK TRAFFIC, A GROUND CLEARANCE OF 18.0' WILL BE REQUIRED.

MARCH 20, 2007

OVERHEAD SERVICE
WITHOUT MAST RISER

NGEMC K40-NM

SERVICE PROVIDED TO THE CORNER CLOSEST TO THE POWER SOURCE MUST BE APPROVED SEE NOTE (a).



SERVICE CONNECTION
HEIGHT ABOVE ROOF
SEE NOTE (c)

PORCH CLEARANCE
SEE NOTE (d)

GROUND CLEARANCE
SEE NOTE (h)

GROUNDING
SEE NOTE (g)

RISER MAST
SEE NOTE (e)

METER INSTALLATION
SEE NOTE (f)

NOTES:

(a) PLACE METER ON THE CORNER OF THE BUILDING CLOSEST TO THE POWER SOURCE. THE METER LOCATION AND SERVICE ATTACHMENT HEIGHT MUST BE APPROVED BY A NGEMC DESIGN TECHNICIAN.

(b) AFTER ATTACHMENT TO THE MAST, THE SERVICE IS NOT ALLOWED TO PASS OVER ATTACHED ROOFS, PORCHES, DECKS, OR SWIMMING POOLS.

(c) THE SERVICE CONNECTION MINIMUM HEIGHT ABOVE THE ROOF IS LISTED BELOW:

ROOF ACCESSIBLE ----- 10.0' BELOW THE ATTACHMENT AND DRIP LOOP.
ROOF NOT ACCESSIBLE — 3.0* BELOW THE ATTACHMENT AND DRIP LOOP.

(d) THE SERVICE MAST MUST BE LOCATED A MINIMUM OF 2' MEASURED HORIZONTALLY FROM ALL PORCHES OR DECKS. THE METER SHALL NOT BE INSTALLED ABOVE OR BELOW FLOORS ASSOCIATED WITH PORCHES OR DECKS.

(e) THE SERVICE MAST WILL BE GALVANIZED RIDGED CONDUIT WITH A MINIMUM DIAMETER SIZE OF 2 INCHES. A CONDUIT STRAP WILL BE PLACED NEAR THE TOP OF THE METER BASE AND NEAR THE TOP WHERE THE CONDUIT PASSES THROUGH THE ROOF OVERHANG. INTERMEDIATE STRAPS WILL BE LOCATED IN BETWEEN. THE STRAPS SHALL BE MOUNTED TO SUBSTANTIAL STRUCTURE. NO CONDUIT SPLICES WILL BE ALLOWED NEAR OR ABOVE THE ROOF.

(f) THE CENTER OF THE METER BASE WILL BE MOUNTED 4.5' - 5.5' ABOVE THE GROUND TO SUBSTANTIAL STRUCTURE. CHECK WITH THE LOCAL ELECTRICAL INSPECTOR FOR THE APPROVED LOCATION OF THE MAIN DISCONNECT. ALL COVERS ON METER BASES AND PANEL BOXES MUST BE IN PLACE BEFORE THE SERVICE CAN BE INSTALLED. NGEMC WILL NOT BE RESPONSIBLE FOR DAMAGE TO NON NGEMC METER BASES OR BOXES.

(g) THE FACILITIES SHALL BE GROUNDED AS REQUIRED BY THE NEC OR PER REQUIREMENTS OF THE LOCAL ELECTRICAL INSPECTOR. THE GROUNDING ELECTRODE WIRE IS NOT PERMITTED INSIDE THE NGEMC METER BASE.

(h) MINIMUM GROUND CLEARANCE WILL BE AS FOLLOWS:
12.5' AT THE POINT OF ATTACHMENT NEAR THE HOUSE.
12.5' OVER AREAS SUBJECT TO PEDESTRIAN USE ONLY.
16.5' OVER DRIVEWAYS NOT SUBJECT TO TRUCK TRAFFIC.
18.0' OVER STREETS AND AREAS SUBJECT TO TRUCK TRAFFIC.

* THIS DIMENSION MAY BE CHANGED TO 1'-6" IF THE METER IS MOUNTED TO THE OUTSIDE PERIMETER OF THE STRUCTURE, THE STRUCTURE HAS LESS THAN A 4' ROOF OVERHANG, AND THE SERVICE-TO-ROOF CLEARANCE AT A DISTANCE OF 6' FROM THE MAST IS 3' OR MORE.

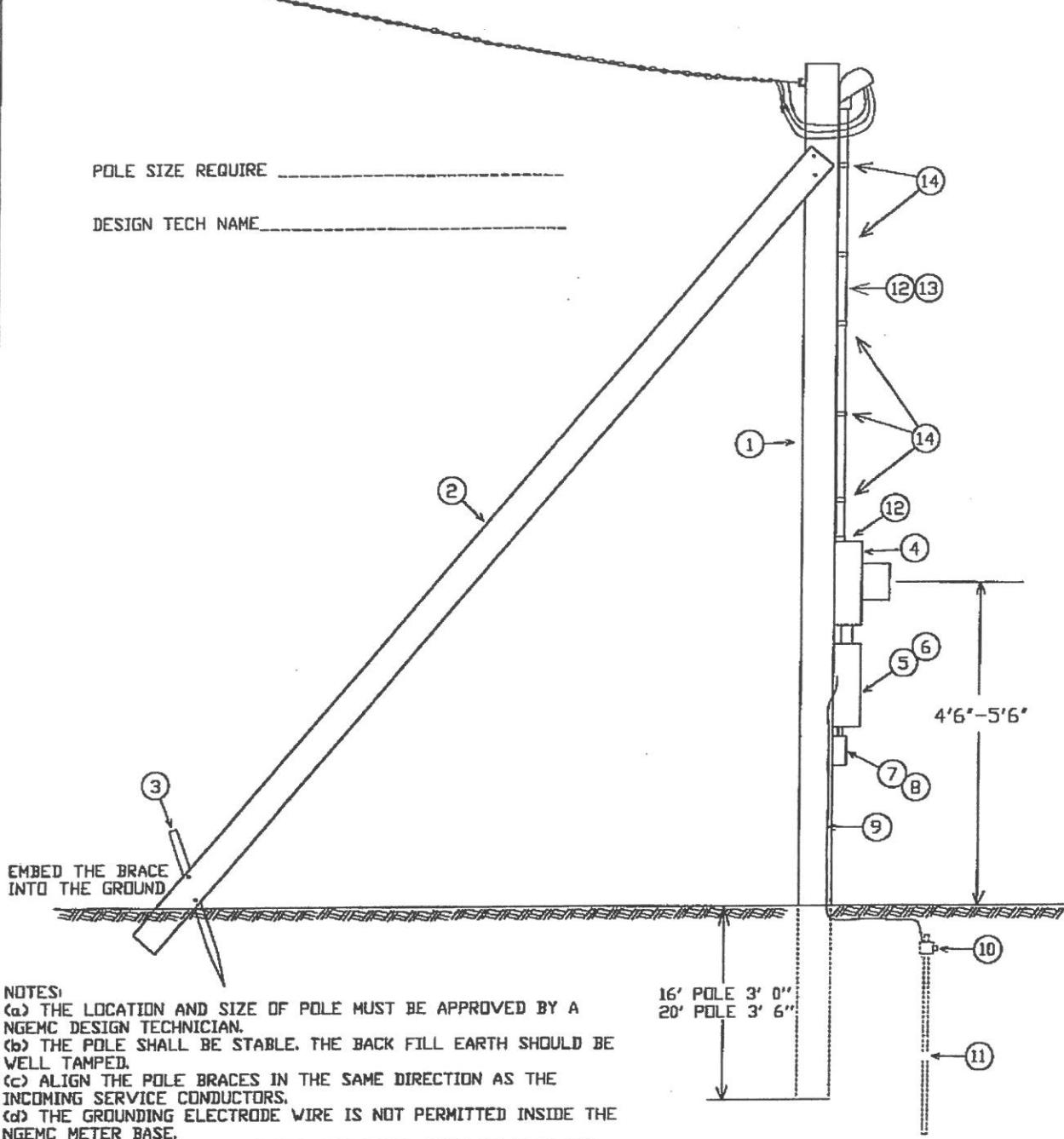
SEPT 23, 2005

OVERHEAD SERVICE
WITH MAST RISER

NGEMC 1401-M

POLE SIZE REQUIRE _____

DESIGN TECH NAME _____



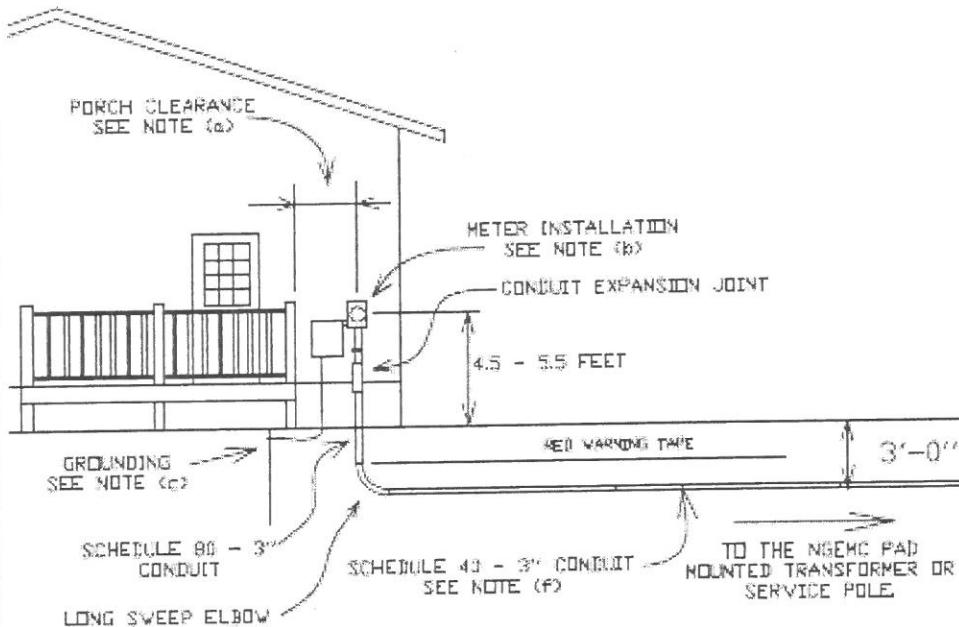
NGEMC K40 MATERIALS INSTALLED AND PROVIDED BY THE CUSTOMER.

ITEM #	QUANTITY	DESCRIPTION
1	1	6"x6" PRESURE TREATED TIMBER OR POLE 16' OR 20' LONG
2	2	2"x6"x16" PRESURE TREATED BRACE
3	1	2"x4" PRESURE TREATED STAKE
4	1	100 AMP METER BASE ISSUED BY NGEMC (SEE NOTE f)
5	1	60A OR 100A WEATHER PROOF BREAKER BOX, BONDED
6	2	SINGLE POLE BREAKERS *
7	1	WEATHER PROOF BOX AND IN USE COVER
8	1	120V GROUNDED RECEPTACLE WITH GFI PROTECTION
9	1	# 8 CU (MINIMUM) GROUND WIRE
10	1	GROUND ROD CONNECTOR CLAMP
11	1	5/8" x 8' GROUND ROD
12	1	3 #2 AL CONDUCTORS, NEUTRAL MARKED SEPARATELY
13	1	1.25" CONDUIT WITH WEATHERHEAD (SEE NOTE g)
14	AS REQD	APPROVED CONDUIT STRAPS

TO CHECK FOR UG UTILITY
LOCATION CONTACT THE GEORGIA
UTILITY PROTECTION CENTER AT
1-800-282-7411

MARCH 20, 2007

OVERHEAD TEMPORARY
SERVICE



FRONT VIEW

NOTES:

(a) THE METER MUST BE LOCATED A MINIMUM OF 2' MEASURED HORIZONTALLY FROM ALL PORCHES OR DECKS. THE METER SHALL NOT BE INSTALLED ABOVE OR BELOW FLOORS ASSOCIATED WITH PORCHES OR DECKS.

(b) THE CENTER OF THE METER BASE WILL BE MOUNTED 4.5' - 5.5' ABOVE THE GROUND TO SUBSTANTIAL STRUCTURE. CHECK WITH THE LOCAL ELECTRICAL INSPECTOR FOR THE APPROVED LOCATION OF THE MAIN DISCONNECT. ALL COVERS ON METER BASES AND PANEL BOXES MUST BE IN PLACE BEFORE THE SERVICE CAN BE INSTALLED. NGEMC WILL NOT BE RESPONSIBLE FOR DAMAGE TO NON NGEMC METER BASES OR BOXES.

(c) THE FACILITIES SHALL BE GROUNDED AS REQUIRED BY THE NEC OR PER REQUIREMENTS OF THE LOCAL ELECTRICAL INSPECTOR. THE GROUNDING ELECTRODE WIRE IS NOT PERMITTED INSIDE THE NGEMC METER BASE.

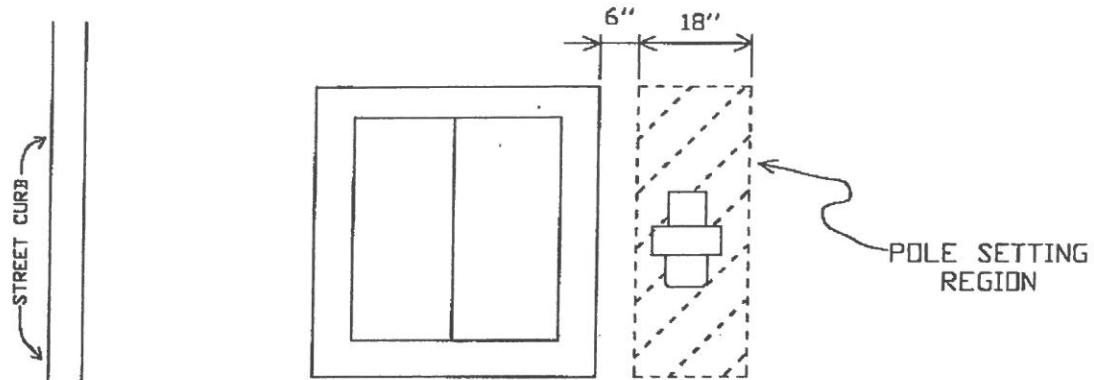
(d) SERVICE CONDUCTORS FROM THE TRANSFORMER TO THE HOUSE SHALL BE PLACED IN 3/4 INCH SCHEDULE 40 CONDUIT, AND BURIED 36 INCHES DEEP. A RED WARNING TAPE WILL BE PLACED 12" ABOVE THE CONDUIT.

(e) THE CUSTOMER IS REQUIRED TO DIG A 3' DEEP BY 3' LONG TITCH NEAR THE HOUSE AT THE METER LOCATION. THE CUSTOMER WILL PROVIDE ONE STICK OF SCHEDULE 80 - 3" INCH CONDUIT, CONDUIT EXPANSION JOINT, AND LONG SWEEP ELBOW.

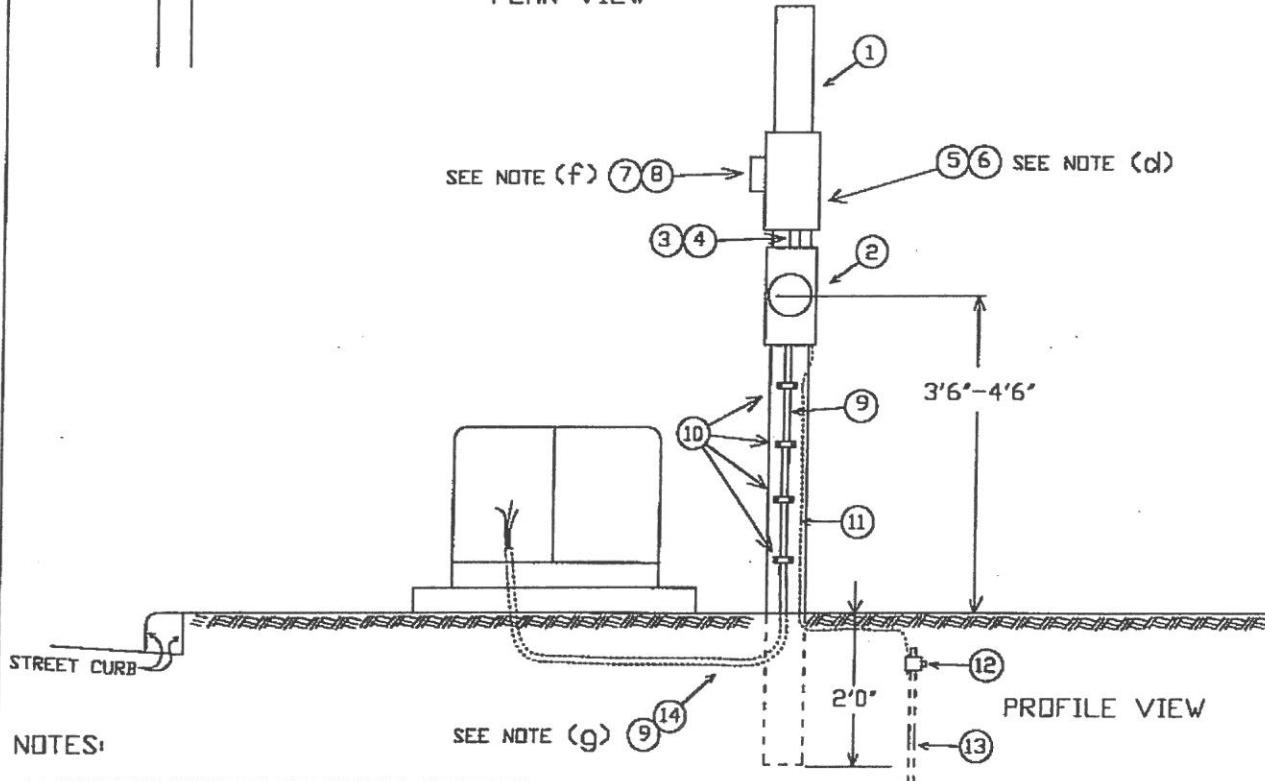
JANUARY 29, 2015

UNDERGROUND SERVICE

NGEMC UK40



PLAN VIEW



NOTES:

- (a) CUSTOMER MUST CALL FOR UG UTILITY LOCATION BEFORE DIGGING OR DRIVING GROUND ROD. CONTACT THE GEORGIA UTILITY PROTECTION CENTER AT 1-800-282-7411.
- (b) THE POLE SHOULD BE WELL TAMPED TO PROVIDE STABILITY FOR METER INSTALLATION.
- (c) FOR 100 A AND BELOW SERVICE SIZE, INSTALL 3 #4 CU THWN CONDUCTORS WITH THE NEUTRAL MARKED BY A SEPARATE COLOR OR TAPE AT BOTH ENDS.
- (d) THE SERVICE ENTRANCE CONDUCTORS FROM THE BOTTOM TERMINALS OF THE METER MUST CONNECT TO THE TOP TERMINALS OF THE BREAKERS.
- (e) THE GROUNDING ELECTRODE WIRE IS NOT PERMITTED INSIDE THE NGEMC METER BASE.
- (f) THE OUTLET BOXES MAY BE CONNECTED USING GALVANIZED NIPPLES, OR LIQUIDTIGHT FLEXIBLE NON METALLIC CONDUIT ON EITHER SIDE OR THE BACK OF THE POLE.
- (g) NGEMC TO DIG TRENCH AND PLACE SOURCE CONDUCTORS 18" DEEP. IF THIS DEPTH CAN NOT BE OBTAINED, THE FLEXIBLE CONDUIT MAY BE PLACED 12" DEEP WITH SUPPLEMENTAL PROTECTION. THIS PROTECTION MAY BE PROVIDED BY INSTALLING THE CONDUIT UNDER THE TRANSFORMER PAD.
- (h) A METER AND SWITCH BOX COMBINATION MAY BE INSTALLED IN PLACE OF THE EQUIVALENT MATERIALS LISTED, BUT NGEMC WILL NOT BE RESPONSIBLE FOR OR ABLE TO REPAIR THIS METERING EQUIPMENT.
- (i) ALL COVERS ON METER BASES AND BOXES MUST BE IN PLACE BEFORE THE SERVICE CAN BE INSTALLED.

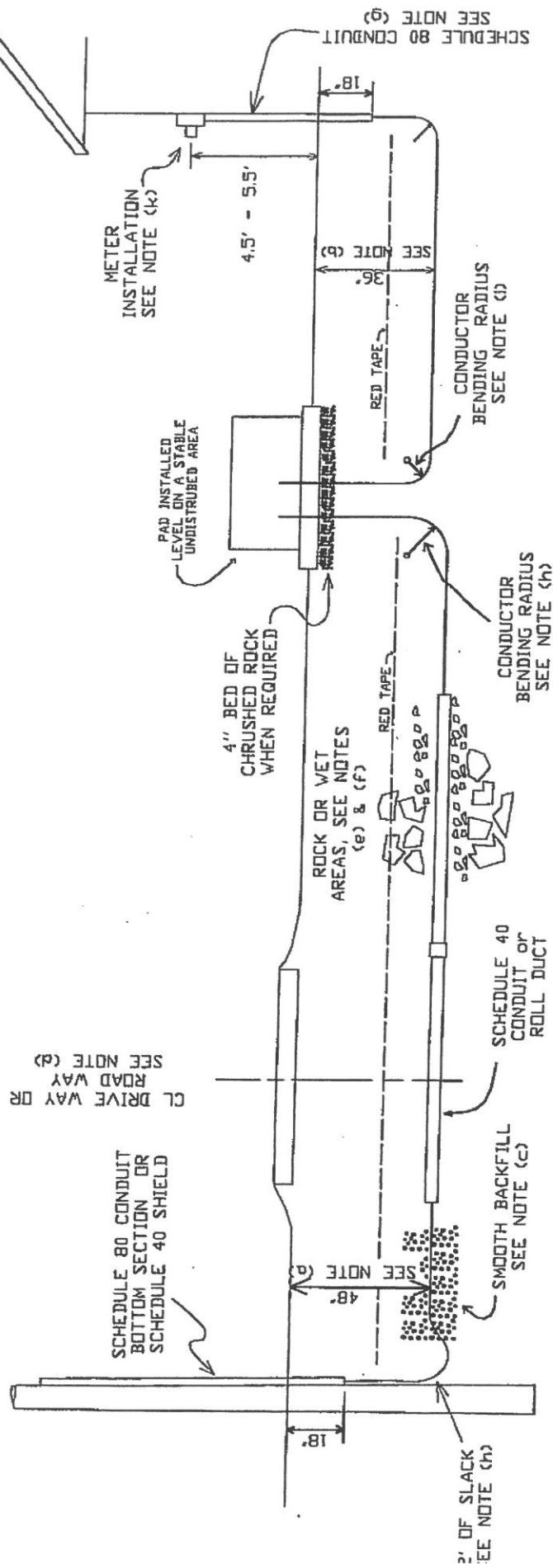
MATERIALS INSTALLED AND PROVIDED BY CUSTOMER

ITEM #	QUANTITY	DESCRIPTION
1	1	6" X 6" PRESSURE TREATED POST 10' LONG.
2	1	100 A METER BASE, ISSUED BY NGEMC, SEE NOTE (j)
3	1	1 - 1/4" METER BASE HUB, ISSUED BY NGEMC
4	1	1 - 1/4" CONNECTOR NIPPLE
5	1	60A OR 100A WEATHER PROOF BREAKER BOX, BONDED
6	2	SINGLE POLE BREAKERS *
7	1	WEATHER PROOF BOX AND IN USE COVER
8	1	120V GROUNDED RECEPTACLE WITH GFI PROTECTION
9	15'	1" LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
10	4	2 HOLE OR 1 HOLE CONDUIT STRAP
11	1	# 6 CU (MINIMUM) GROUND WIRE
12	1	GROUND ROD CONNECTOR CLAMP
13	1	58" X 8" GROUND ROD
14	15'	3 - #4 CU THWN CONDUCTORS, NEUTRAL MARKED

* MUST HAVE ADEQUATE INTERRUPTING RATING

MARCH 20, 2007

UNDERGROUND TEMPORARY
SERVICE



NOTES

- 3) DIRECT BURIED PRIMARY CABLES SHALL BE PLACED 48" BELOW FINISH GRADE.
- 4) DIRECT BURIED SECONDARY CABLES SHALL BE PLACED 36" BELOW FINISH GRADE.
- 5) BACK FILL THE FIRST 6" FOR ALL DIRECT BURIED UG CABLES WITH SMOOTH MATERIAL, NO ROCKS BIGGER THAN 1"
- 6) CABLES INSTALLED UNDER DRIVE WAYS, ROAD WAYS, OR RAILWAYS, MUST BE INSTALLED IN SCHEDULE 40 OR ROLL DUCT CONDUIT.
- 7) 48" DEPTH FOR DRIVEWAYS AND ROADWAYS
- 8) 60" DEPTH FOR RAILWAYS
- 9) CABLES INSTALLED IN WET OR ROCKY AREAS MUST BE INSTALLED IN SCHEDULE 40 OR ROLL DUCT CONDUIT. ALL CONDUITS MUST BE BACKFILLED WITH SMOOTH TO MEDIUM MATERIAL, NO ROCKS LARGER THAN 4"
- 10) IF CONDUIT IS RUN FOR THE WHOLE LENGTH, ELBOWS WITH A LARGE BENDING RADIUS SHALL BE USED.
- 11) ALL CABLES RUSTING OUT AT THE GROUND AT THE CUSTOMER'S PREMISES MUST BE INSTALLED IN SCHEDULE 80 CONDUIT. THE CONDUIT SHALL EXTEND 18" BELOW THE FINISH GRADE.
- 12) THE BENDING RADIUS OF THE PRIMARY CABLE SHALL NOT BE LESS THAN 12 x THE CONDUCTOR DIAMETER.
- 13) THE BENDING RADIUS OF THE SECONDARY CABLE SHALL NOT BE LESS THAN 6 x THE CONDUCTOR DIAMETER.
- 14) INSTALL RED MARKING TAPE 12" ABOVE THE CABLE OR CONDUIT.
- 15) THE CENTER OF THE METER BASE WILL BE MOUNTED 4.5 - 5.5" ABOVE THE GROUND TO SUBSTANTIAL STRUCTURE. A DISCONNECT SWITCH WILL BE INSTALLED NEXT TO THE METER IF THE BUILDING INSIDE MAIN BREAKER IS NOT IN CLOSE PROXIMITY OF THE METER, OR IF REQUIRED BY THE LOCAL ELECTRICAL INSPECTOR.

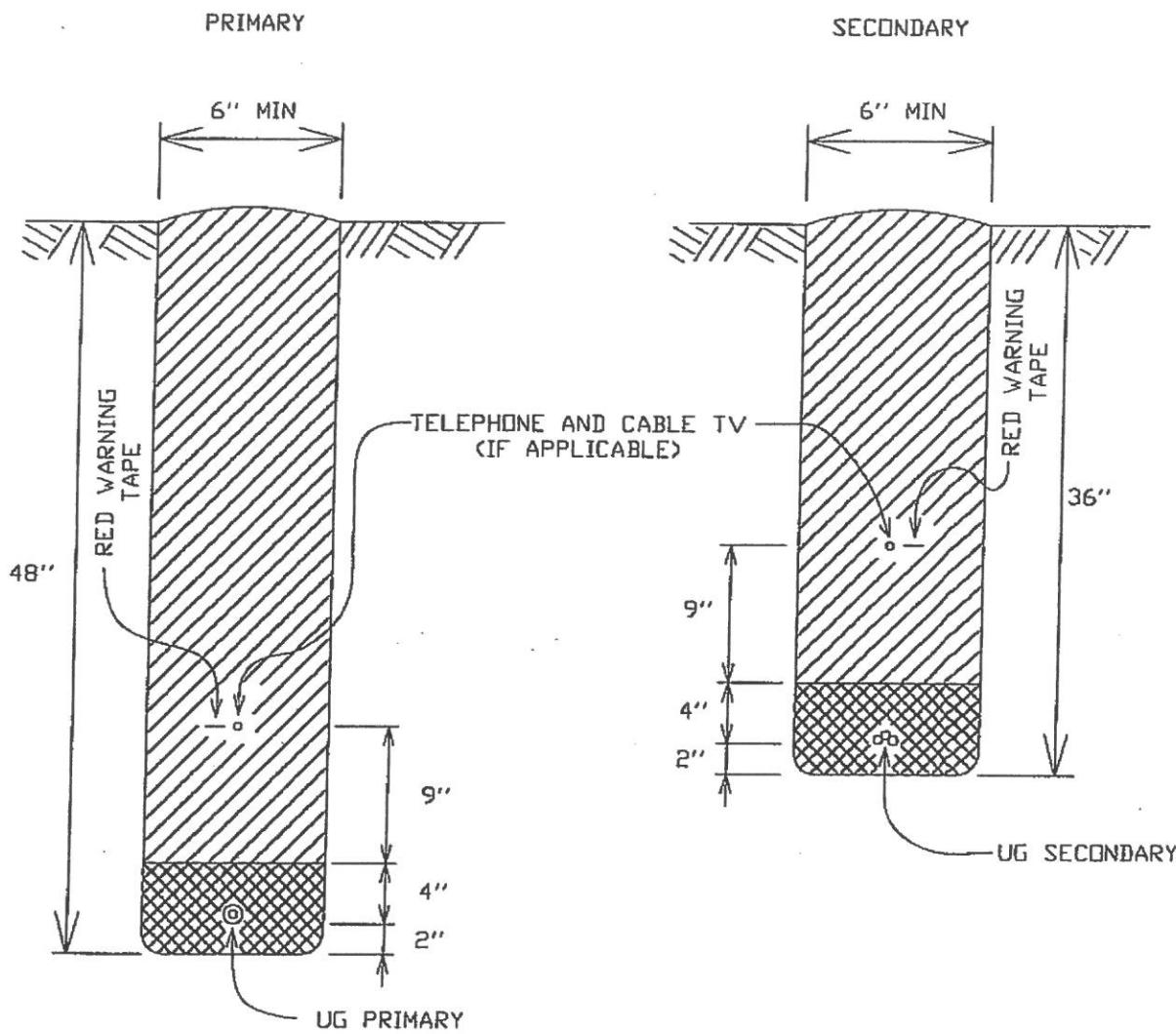
HORIZONTAL CLEARANCE REQUIREMENTS:

SEPTIC TANKS 15'
FIELD LINES 15'
SWIMMING POOLS 10'
WATER & SEWER 3'
GAS 3'
PHONE & CABLE 3'

SEPT. 23, 2005

INSTALLATION GUIDE
FOR UG CABLE

NGEMC UG E2



NOTES:

FOR AREAS THAT HAVE AN EXTREME AMOUNT OF ROCK OR WET AREAS, INSTALL THE CONDUCTORS IN SCHEDULE 40 CONDUCT OR ROLL DUCT.

HORIZONTAL SEPARATION REQUIREMENT ARE AS FOLLOWS:

SEPTIC TANKS	15'
FIELD LINES	15'
SWIMMING POOLS	10'
WATER & SEWER	3'
GAS	3'
PHONE & CABLE	3'

LEGEND

SAND, LIMESTONE DUST, OR CLEAN SOIL.

COMPACTED BACKFILL

SEPT. 23, 2005

TRENCHES FOR DIRECT BURIAL CABLE