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In cases where a customer is required by AES Indiana or chooses to install conduit or open the trench for AES Indiana cable installation, it is preferred by AES Indiana that the customer hire a trenching contractor approved by AES Indiana. The following is a list of approved trenching contractors:

Contractor	Office Phone	Fax Number	Contact
AK&M Trenching 6902 W. Range Rd. Boggstown, IN 46110	(317) 729-6060	(317) 729-5584	Tony Mohr Oscar
Garver Utilities Service 824 Baronne St. Lebanon, IN 46052	(765) 482-6209	(765) 482-6209	Randy Moore
Greenwald Enterprises 7637 Hayworth Rd. Indianapolis, IN 46221	(317) 856-8105	(317) 856-4557	Doug Greenwald Joe Greenwald Josh Sloan Cheryl Latulippe - Office
Hall Const LLC 2926 Bridlewood Lane Carmel, IN 46033	(317) 828-9472		Tim Hall
Robinson Trenching 12368 Southeastern Ave. Indianapolis, IN 46259	(317) 862-3929	(317) 862-9319	Jake Henderson James Layne - West Marc Robinson Scott Robinson
Stover Construction 1116 E. US-52 Morristown, IN 46161	(317) 557-4061	(765) 763-7580	David Stover Crystal Stover
Sub-Surface of Indiana 7225 W. 700 South Morgantown, IN 46160	(812) 597-4195	(812) 597-4196	Todd Larson Gary Fox – East Matt Ferguson
UTS Construction 1754 Hancel Pky Mooresville IN 46158	(317) 699-3129		Haley Stath

NOTES:

1. Customer provided trenches shall meet the criteria required in Section 220A2.
2. Customer provided trench, and conduit shall be inspected by the AES Indiana representative that marked the trench route with you for proper depth and installation prior to backfilling the trench. Corrections due to improper installation shall be the responsibility and expense of the customer.

APPROVED TRENCHING CONTRACTORS

REV 2/3/2025

GB5-005

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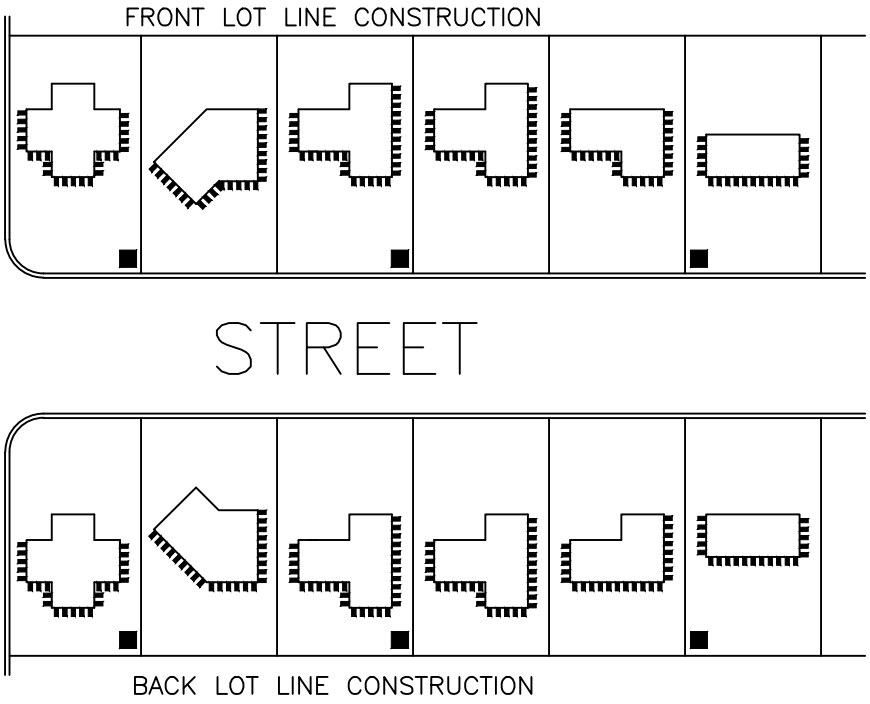


■ COMPANY SERVICE FACILITIES

▪▪▪▪▪▪▪▪▪▪▪▪ METER FITTING SHALL BE LOCATED IN THIS AREA

NOTES:

1. THE ABOVE DRAWING SHOWS VARIOUS SHAPED HOUSES AND COMPANY FACILITIES WITH BOTH FRONT AND BACK LOT LINE CONSTRUCTION.
2. ▶ THE SERVICE INSTALLATION TEAM WILL LOCATE ALL SINGLE AND TWO FAMILY RESIDENTIAL SERVICES 400 AMPERES AND BELOW. SERVICES OVER 400 AMPERES WILL BE LOCATED BY THE ENGINEERING DEPARTMENT.
3. THE COMPANY WILL NOT INSTALL SERVICE CABLE TO A METER FITTING WHICH IS NOT IN PRESCRIBED AREA AS INDICATED ABOVE.
4. SEE DRAWING GB5–020 FOR INSTALLATION REQUIREMENTS.
5. SEE SECTION 565 FOR UNACCEPTABLE METER LOCATIONS.

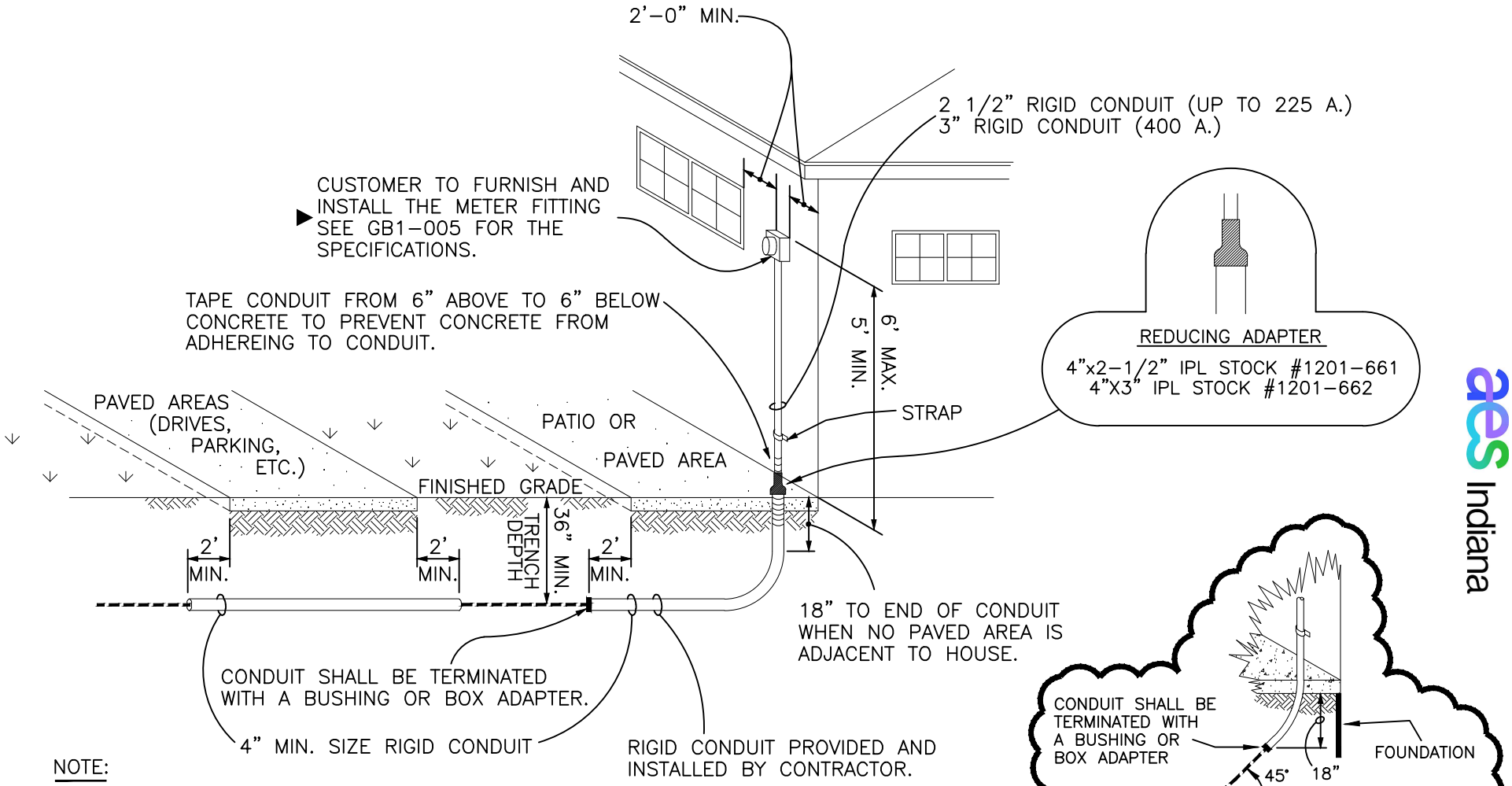
RESIDENTIAL METER LOCATIONS FOR UNDERGROUND SERVICE

REV 5–28–08

GB5-010

REV 10-10-11

UNDERGROUND RESIDENTIAL SERVICE
400 A MAXIMUM SERVICE



NOTE:

1. SEE DRAWING GB5-010 FOR POINT OF TERMINATION ON DWELLING
2. IF NONMETALLIC CONDUIT, GRAY SCHEDULE 80 OR BETTER IS TO BE USED, ABOVE GRADE.
3. ALL NONMETALLIC BURIED CONDUIT SHALL BE GRAY
4. SEE SECTION 220A2d FOR THE DEFINITION OF RIGID CONDUIT.

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GB5-020

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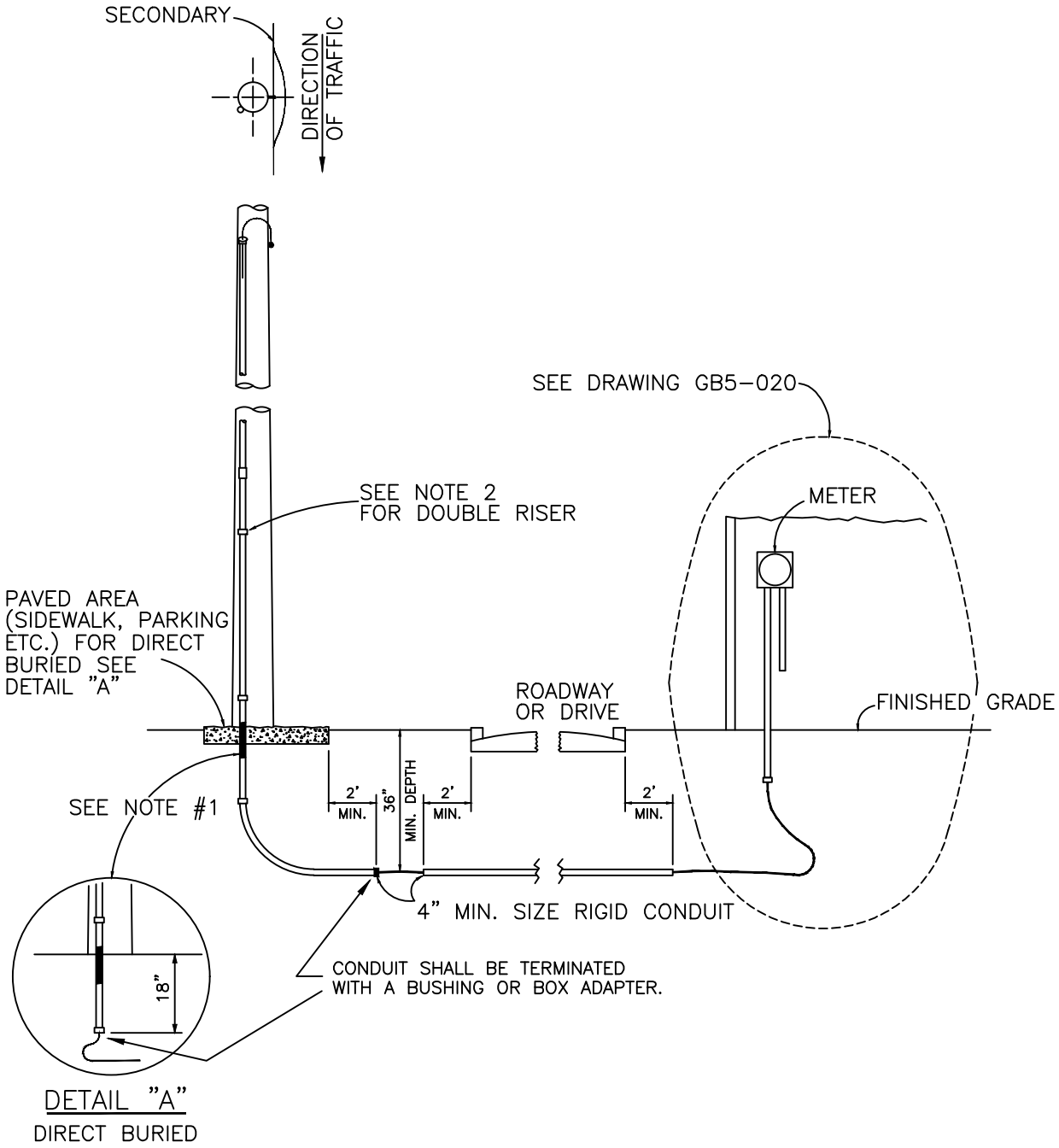


DETAIL "A"
DIRECT BURIED

NOTES:

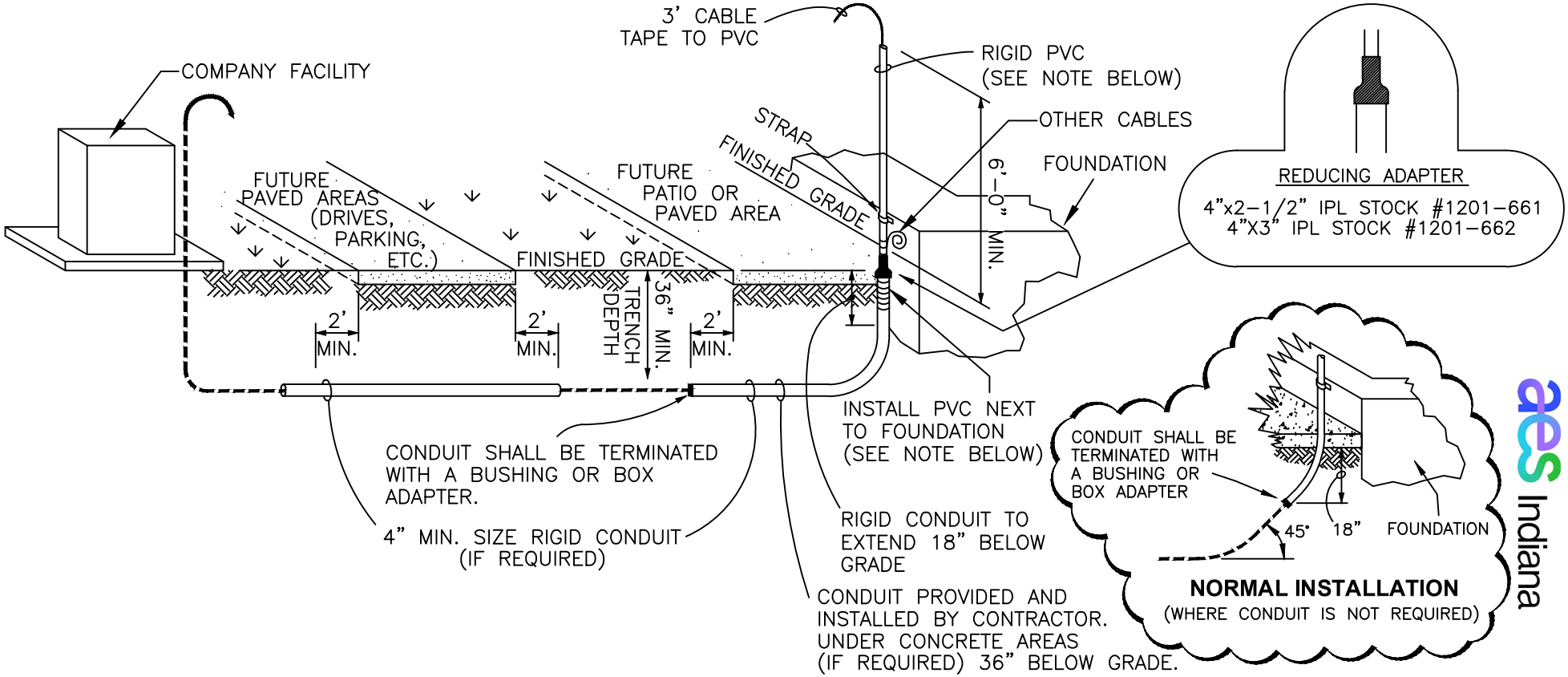
1. TAPE CONDUIT FROM ABOVE GROUND LINE TO 6" BELOW TO PREVENT CORROSION, IF USING METALIC CONDUIT.
2. SEE DRAWING GB7-010 FOR RISER ATTACHMENT TO POLE.
3. ALL NONMETALLIC BURIED CONDUIT SHALL BE GRAY
4. ▶ SEE SECTION 220A2d FOR THE DEFINITION OF RIGID CONDUIT.

SECONDARY RISERS FOR SINGLE AND THREE PHASE SERVICES

REV 11-30-09

NEW RESIDENTIAL SERVICE CABLE INSTALLATION TO FOUNDATION

GB5-040



ALL NONMETALLIC BURIED CONDUIT SHALL BE GRAY.

▶ SEE SECTION 220A2d FOR THE DEFINITION OF RIGID CONDUIT.

SERVICE CABLE INSTALLATION TO THE FOUNDATION

1. THE CONTRACTOR SHALL MARK THE SERVICE LOCATION ON THE FOUNDATION, WITH RED PAINT, IN AN APPROVED LOCATION, SEE DRAWING NUMBER GB5-010.
2. THE CONTRACTOR SHALL PROVIDE AN EIGHT FOOT LENGTH OF GRAY SCHEDULE 80 PVC CONDUIT AT MARKED LOCATION.
3. THE CONTRACTOR SHALL CALL THE COMPANY, AT (317) 261-8222, TO REQUEST THE INSTALLATION OF CABLE TO THE MARKED LOCATION. AFTER INSTALLATION, IF THE LOCATION CHANGES OR THE CABLE IS DAMAGED, THE CONTRACTOR IS RESPONSIBLE FOR THE COSTS OF RELOCATION OR REPAIR.
4. THE CONTRACTOR SHALL ROLL INTO A COIL ALL OTHER CABLES AND SECURE TO OUTSIDE OF CONDUIT ABOVE GRADE.

WHEN CONSTRUCTION HAS PROGRESSED TO THE POINT THAT THE METER BASE MAY BE INSTALLED

5. THE CONTRACTOR SHALL INSTALL THE METER BASE, CONDUIT, AND THE COMPANY'S SERVICE CABLE INTO THE METER FITTING.
6. THE CONTRACTOR SHALL CALL THE COMPANY, AT (317) 261-8222, TO REQUEST PERMANENT SERVICE.
7. THE CONNECTION OF THE COMPANY'S SERVICE CABLE SHALL BE MADE BY THE COMPANY IN THE METER FITTING.

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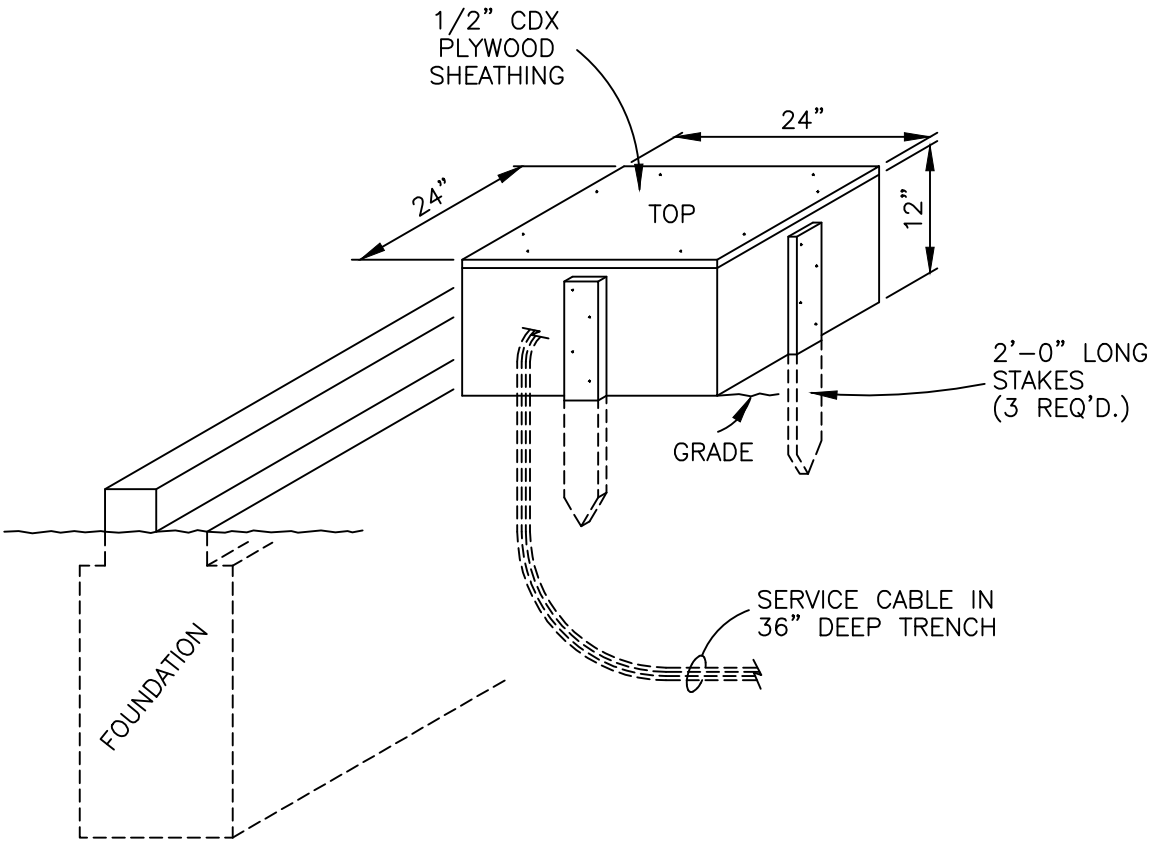


PRELIMINARY INSTALLATION
INSTRUCTIONS FOR BUILDER

1. NO BOTTOM REQUIRED.
2. PLACE BOX NEXT TO FOUNDATION–DO NOT INSTALL TOP.
3. INSTALL STAKES.
4. GRADE TO WITHIN ±4" OF FINAL GRADE–CLEAR DEBRIS.

COMPANY

1. TRENCH & INSTALL CABLE.
2. LOOP 7 FT. OF CABLE IN BOX.
3. ATTACH TOP TO BOX.

FINAL INSTALLATION
ELECTRICAL CONTRACTOR

1. REMOVE LID AND BOX.
2. INSTALL CABLE IN CONDUIT AS REQUIRED AND FASTEN TO WALL.
3. INSTALL METER CABINET ON CONDUIT AND FASTEN TO WALL.
4. INSPECT SERVICE AND TAG.
5. ▶ CALL (317) 261–8222 TO REQUEST SERVICE.

COMPANY

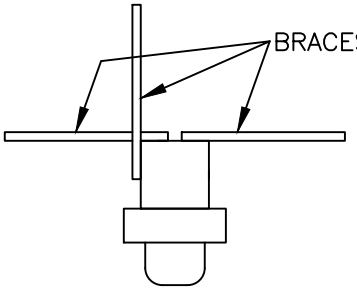
1. MAKE CONNECTION IN METER BASE.
2. INSTALL METER AND ENERGIZE SERVICE.

CUSTOMER TO BE RESPONSIBLE FOR PROTECTION OF SERVICE EQUIPMENT.

NEW RESIDENTIAL SERVICE CABLE INSTALLATION TO FOUNDATION OPTIONAL METHOD

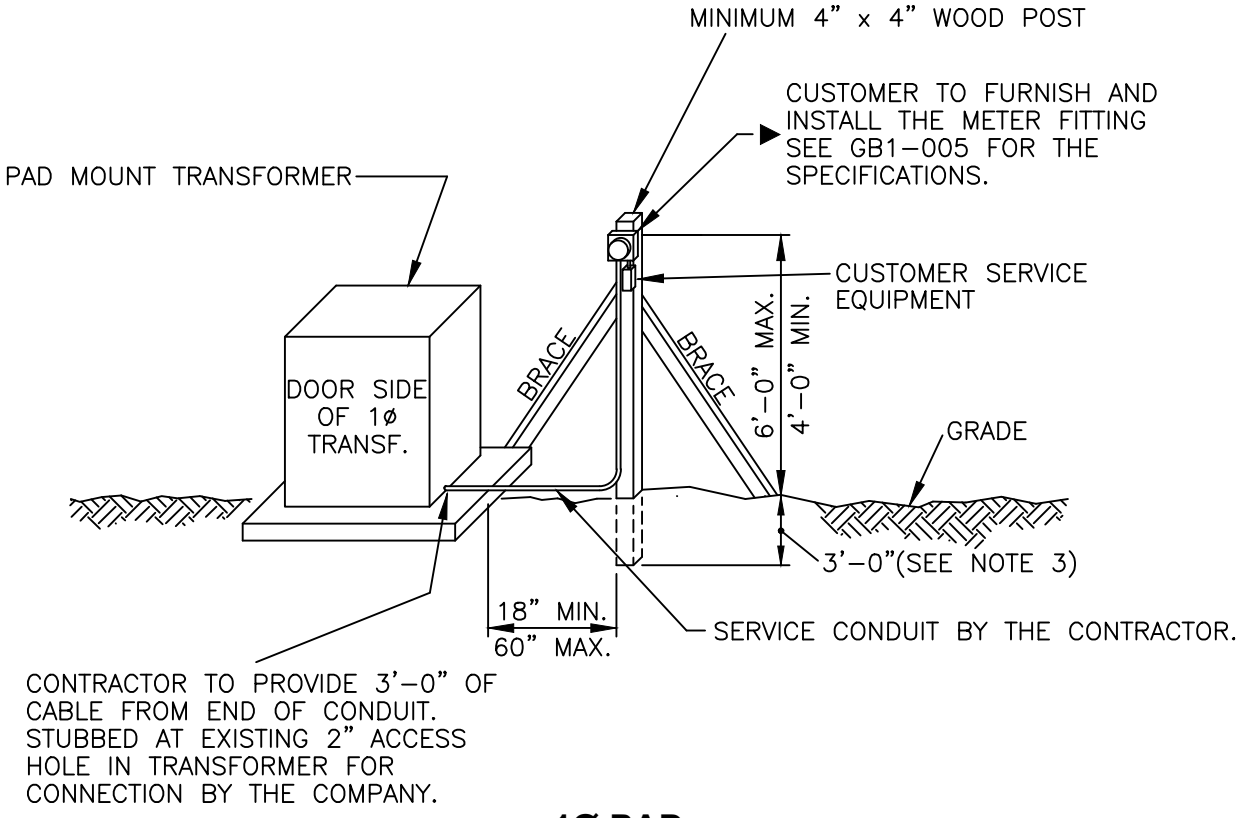
REV 5–15–96

GB5-050



BRACING DETAIL

PLAN VIEW



1Ø PAD

NOTES

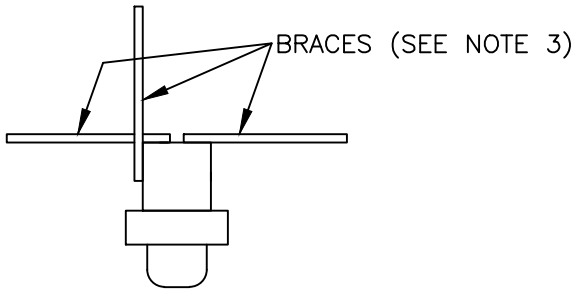
1. THE COMPANY WILL COMPLETE CABLE INSTALLATION AND CONNECT IN 1ø PMT.
2. TEMPORARY SERVICE SHOULD NOT BE IN PROPOSED PERMANENT SERVICE ROUTE.
3. 4" X 4" POST MUST BE SET 3' DEEP IN SOLID GROUND OR BRACING WILL BE REQUIRED.
4. FOR DEFINITION OF "TEMPORARY", SEE SECTION 107.

TEMPORARY UNDERGROUND CONSTRUCTION
120/240 VOLT, 1 PHASE, 3 WIRE
225 A MAXIMUM SERVICE

REV 10-10-11

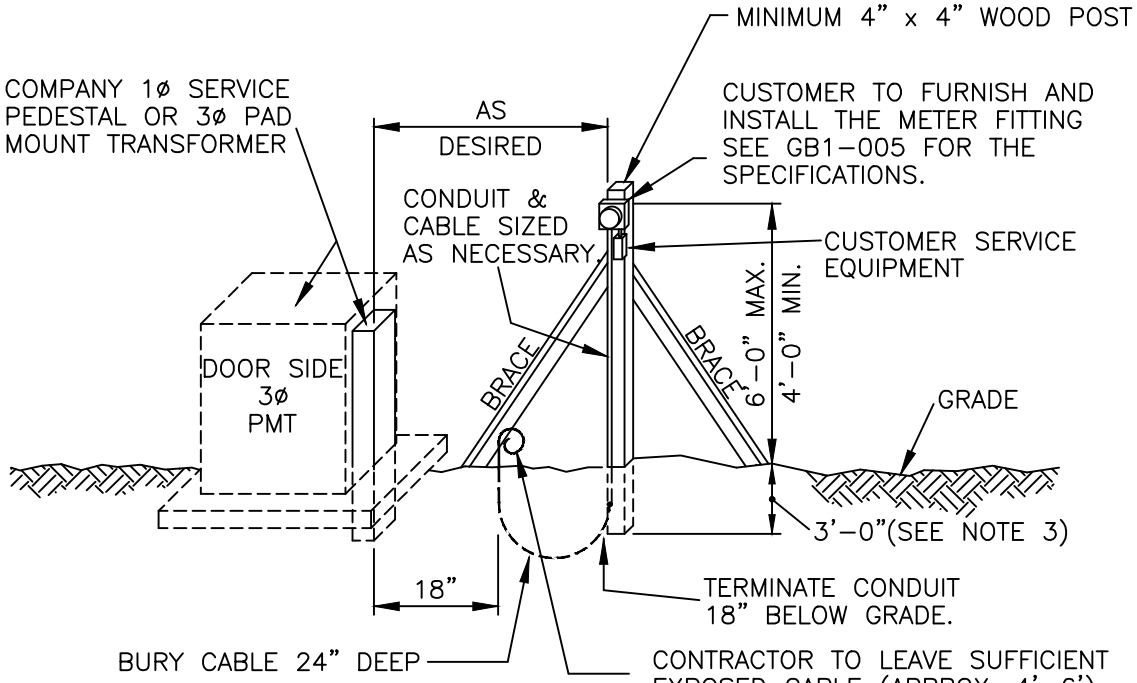
GB5-060

aes Indiana



BRACING DETAIL

PLAN VIEW



3Ø PAD OR 1Ø PEDESTAL

NOTES

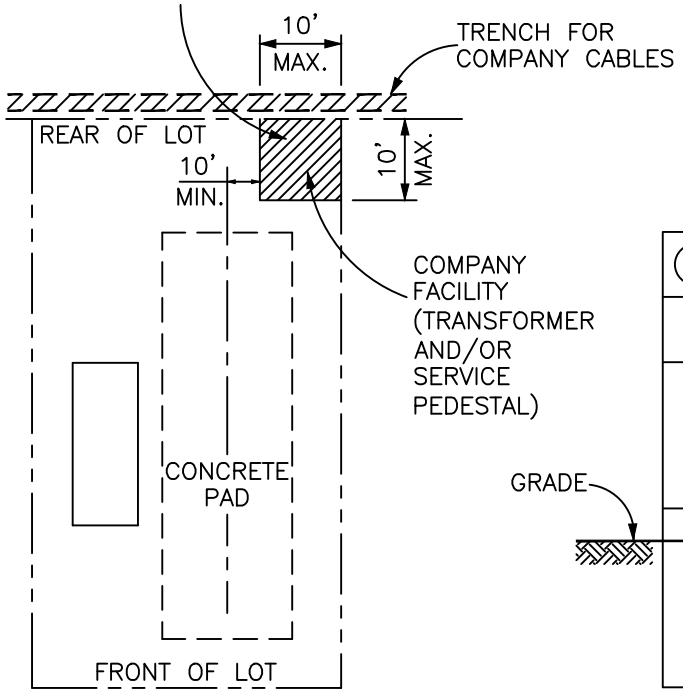
1. THE COMPANY WILL COMPLETE CABLE INSTALLATION AND CONNECT IN SERVICE PEDESTAL OR 3ø PMT.
2. TEMPORARY SERVICE SHOULD NOT BE IN PROPOSED PERMANENT SERVICE ROUTE.
3. 4" X 4" POST MUST BE SET 3' DEEP IN SOLID GROUND OR BRACING WILL BE REQUIRED.
4. FOR DEFINITION OF "TEMPORARY", SEE SECTION 107.

TEMPORARY UNDERGROUND CONSTRUCTION
120/240 VOLT, 1 PHASE, 3 WIRE
120/208 VOLT, 3 PHASE, 4 WIRE
225 A MAXIMUM SERVICE

120/208 VOLT, 1 PHASE, 3 WIRE
125 A MAXIMUM SERVICE

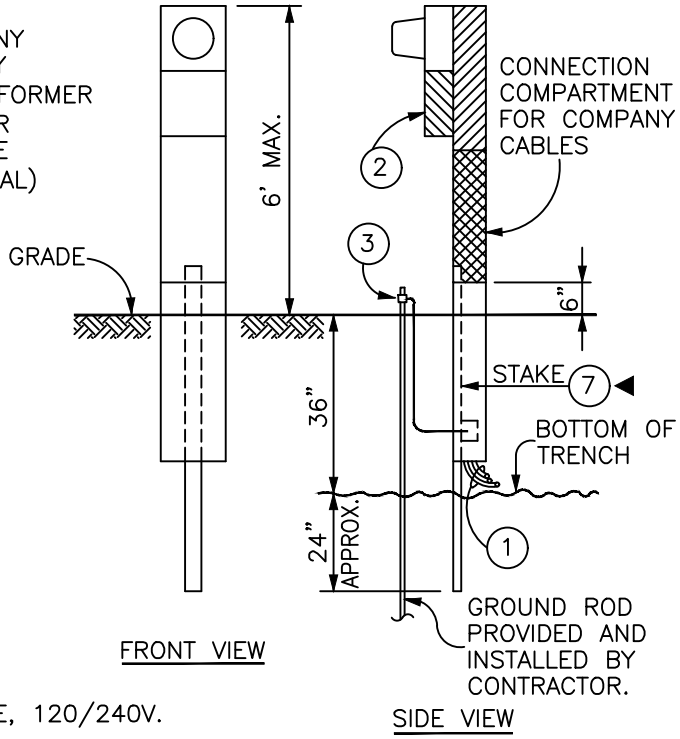
aes Indiana

SINGLE METER PEDESTAL, FACE METER TOWARDS FRONT OF LOT. THE DEVELOPER IS RESPONSIBLE FOR LOCATING METER PEDESTAL IN CROSS-HATCHED AREA TO MEET THE REQUIREMENTS AS SHOWN BELOW.



PLAN VIEW

DANGER: DO NOT DRILL OR TAP HOLES IN PEDESTAL.



FRONT VIEW

SIDE VIEW

NOTES:

1. COMPANY SERVICE CABLE, 3 WIRE, 120/240V.
2. COMPARTMENT FOR CUSTOMER'S SERVICE EQUIPMENT.
3. THE CONTRACTOR SHALL GROUND THE SERVICE FACILITIES. THE CONTRACTOR SHALL DRIVE THE GROUND ROD(S) ON METER SIDE OF PEDESTAL TO AVOID COMPANY CABLES. THE COMPANY WILL CONNECT THE GROUNDING ELECTRODE CONDUCTOR TO THE NEUTRAL AND EQUIPMENT GROUND IN CONNECTION COMPARTMENT.
4. THE METER PEDESTAL TO BE SUPPLIED BY CUSTOMER.
5. THIS INSTALLATION IS FOR MOBILE HOME PARKS AND MOBILE HOMES THAT ARE NOT APPROVED FOR THE INSTALLATION OF A METER ON THE SIDE.
6. WHERE NEEDED, THE CUSTOMER MAY INSTALL BLACK OR BLACK WITH A RED STRIPE 2-1/2" HDPE CONDUIT FOR THE COMPANY SERVICE CABLE. MAXIMUM LENGTH SHALL BE LIMITED TO 100 FEET AND NO MORE THAN 270 DEGREE OF BENDS.

▶ 7. SET THE BOTTOM 18" OF THE STAKE IN COMPACTED #53 STONE TO PREVENT SETTLING AND WOBBLE.

SINGLE METER PEDESTAL INSTALLATION FOR MOBILE HOME 120/240 VOLT, 1 PHASE, 3 WIRE 225 A MAXIMUM SERVICE

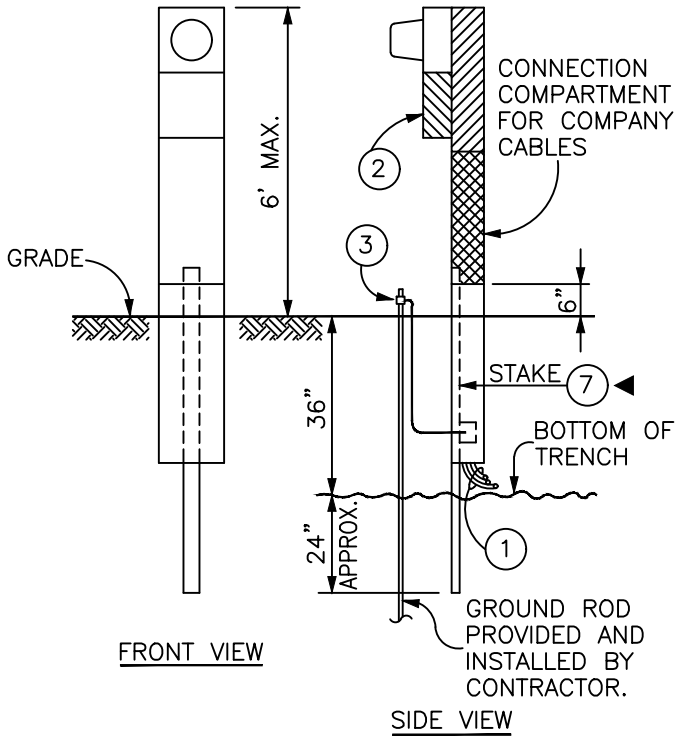
REV 4-19-25

▶ = REVISION MARK

GB5-080

aes Indiana

DANGER: DO NOT DRILL OR TAP HOLES IN PEDESTAL.



NOTES:

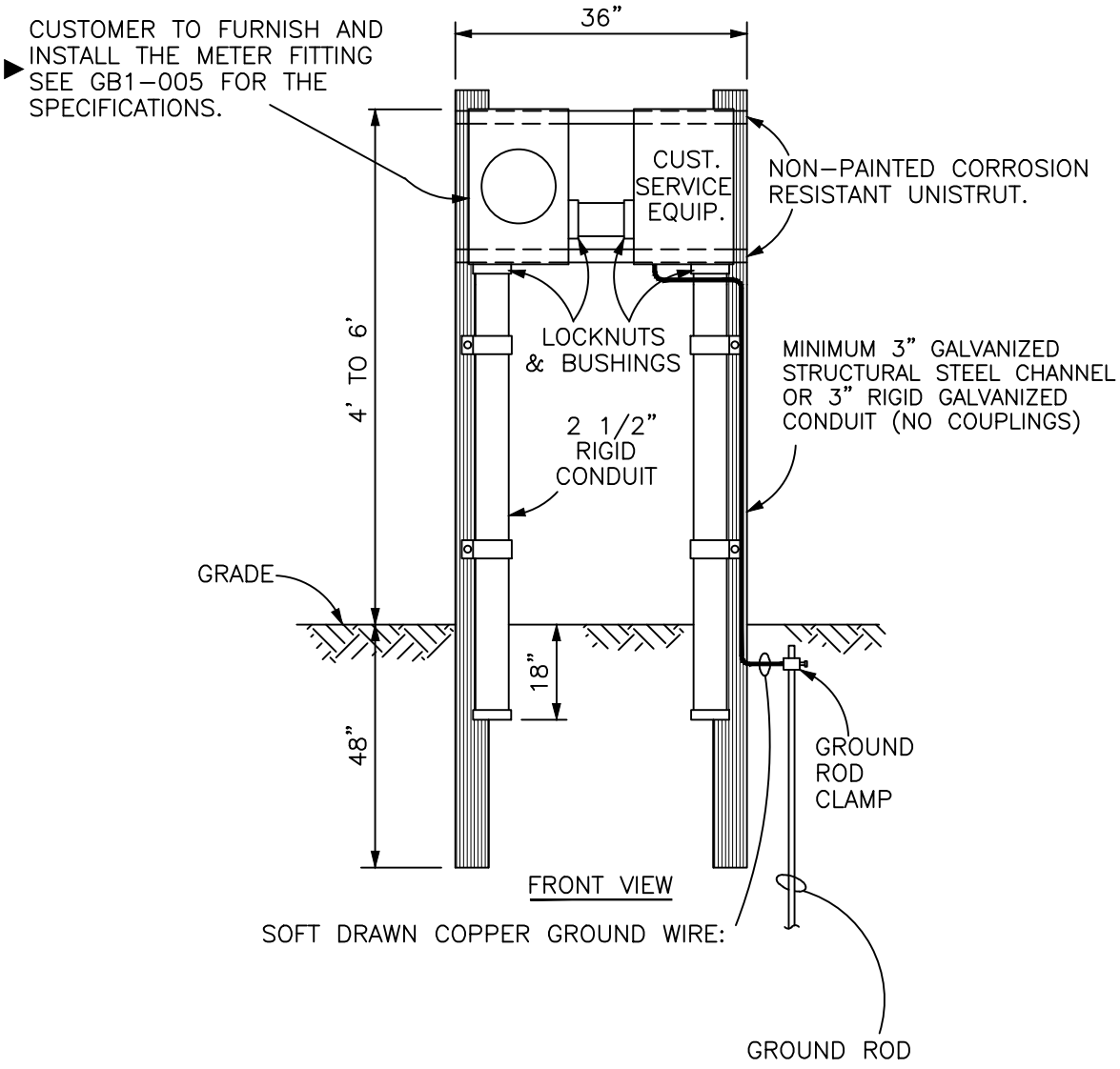
1. COMPANY SERVICE CABLE, 3 WIRE, 120/240V.
2. COMPARTMENT FOR CUSTOMER'S SERVICE EQUIPMENT.
3. THE CONTRACTOR SHALL GROUND THE SERVICE FACILITIES. THE CONTRACTOR SHALL DRIVE THE GROUND ROD(S) ON METER SIDE OF PEDESTAL TO AVOID COMPANY CABLES. THE COMPANY WILL CONNECT THE GROUNDING ELECTRODE CONDUCTOR TO THE NEUTRAL AND EQUIPMENT GROUND IN CONNECTION COMPARTMENT.
4. THE METER PEDESTAL TO BE SUPPLIED BY CUSTOMER.
5. 230.7 OF THE INDIANA ELECTRICAL CODE STATE, "CONDUCTORS OTHER THAN SERVICE CONDUCTORS SHALL NOT BE INSTALLED IN THE SAME SERVICE RACEWAY." SERVICE CABLE SHALL BE SEPARATED FROM THE CUSTOMER'S CONDUCTORS BY A FACTORY INSTALLED BARRIER.
6. WHERE NEEDED, THE CUSTOMER MAY INSTALL BLACK OR BLACK WITH A RED STRIPE 2–1/2" HDPE CONDUIT FOR THE COMPANY SERVICE CABLE. MAXIMUM LENGTH SHALL BE LIMITED TO 100 FEET AND NO MORE THAN 270 DEGREE OF BENDS.
- ▶ 7. SET THE BOTTOM 18" OF THE STAKE IN COMPACTED #53 STONE TO PREVENT SETTLING AND WOBBLE.

SINGLE METER PEDESTAL INSTALLATION
120/240 VOLT, 1 PHASE, 3 WIRE
225 A MAXIMUM SERVICE

REV 4–19–25

▶ = REVISION MARK

GB5-085



NOTES

1. THE CONTRACTOR SHALL GROUND THE SERVICE FACILITIES. THE CONTRACTOR SHALL DRIVE THE GROUND ROD(S) TO AVOID COMPANY CABLES.
2. THIS INSTALLATION IS AN ALTERNATE FOR MOBILE HOME PARKS AND MOBILE HOMES THAT ARE NOT APPROVED FOR THE INSTALLATION OF A METER ON THE SIDE.
3. CONDUIT SHALL BE TERMINATED WITH A BUSHING OR BOX ADAPTER.
4. SEE SECTION 220A2d FOR THE DEFINITION OF RIGID CONDUIT.

200 A METER FITTING
FREE STANDING - UNDERGROUND INSTALLATION
120/240 VOLT, 1 PHASE, 3 WIRE
225 A MAXIMUM SERVICE

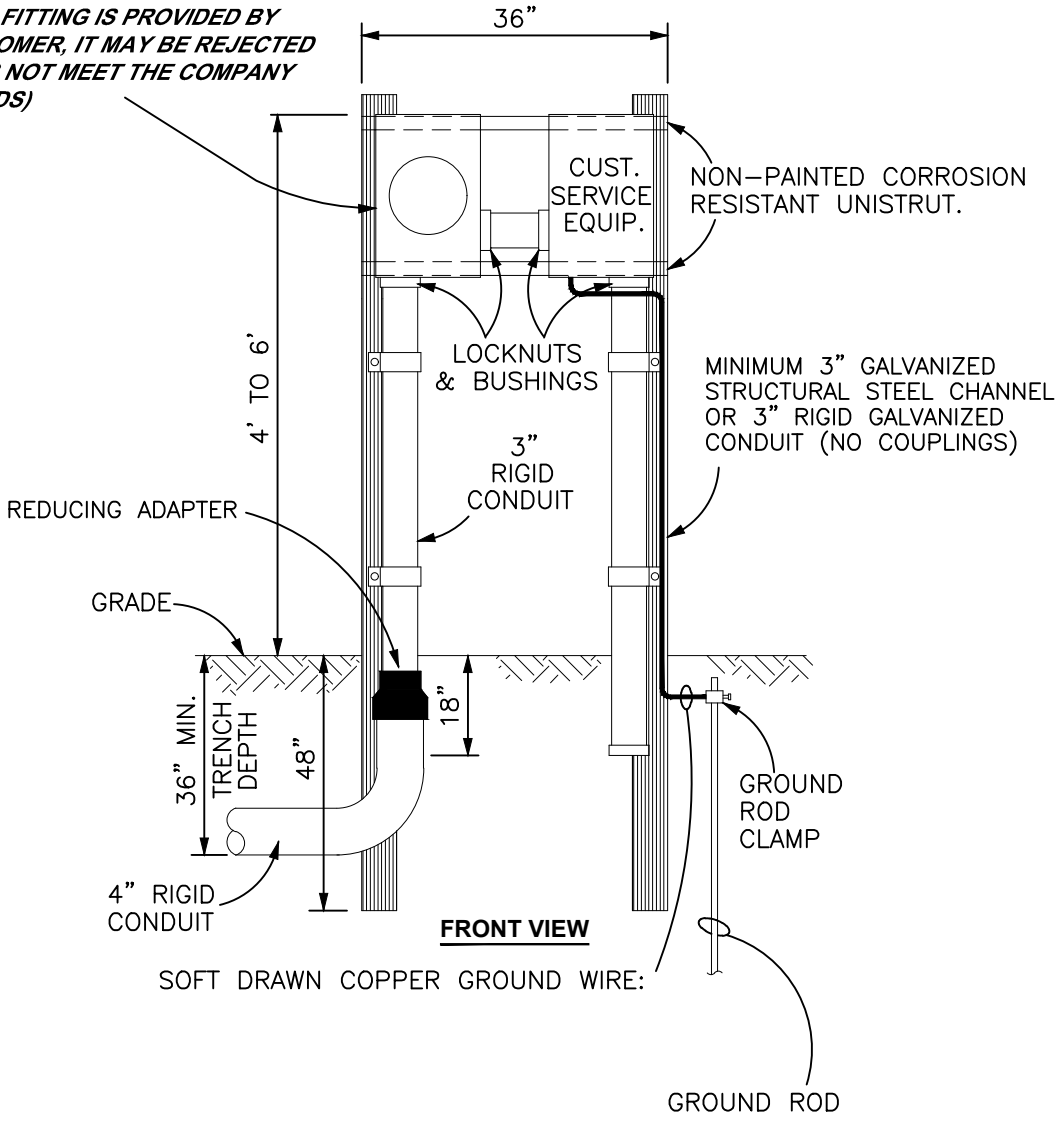
REV 10–10–11

GB5-090

aes Indiana

▶ 3 PHASE METER FITTING STOCK CODE #4008–035 FURNISHED BY COMPANY, INSTALLED BY CONTRACTOR.

(IF METER FITTING IS PROVIDED BY THE CUSTOMER, IT MAY BE REJECTED IF IT DOES NOT MEET THE COMPANY STANDARDS)



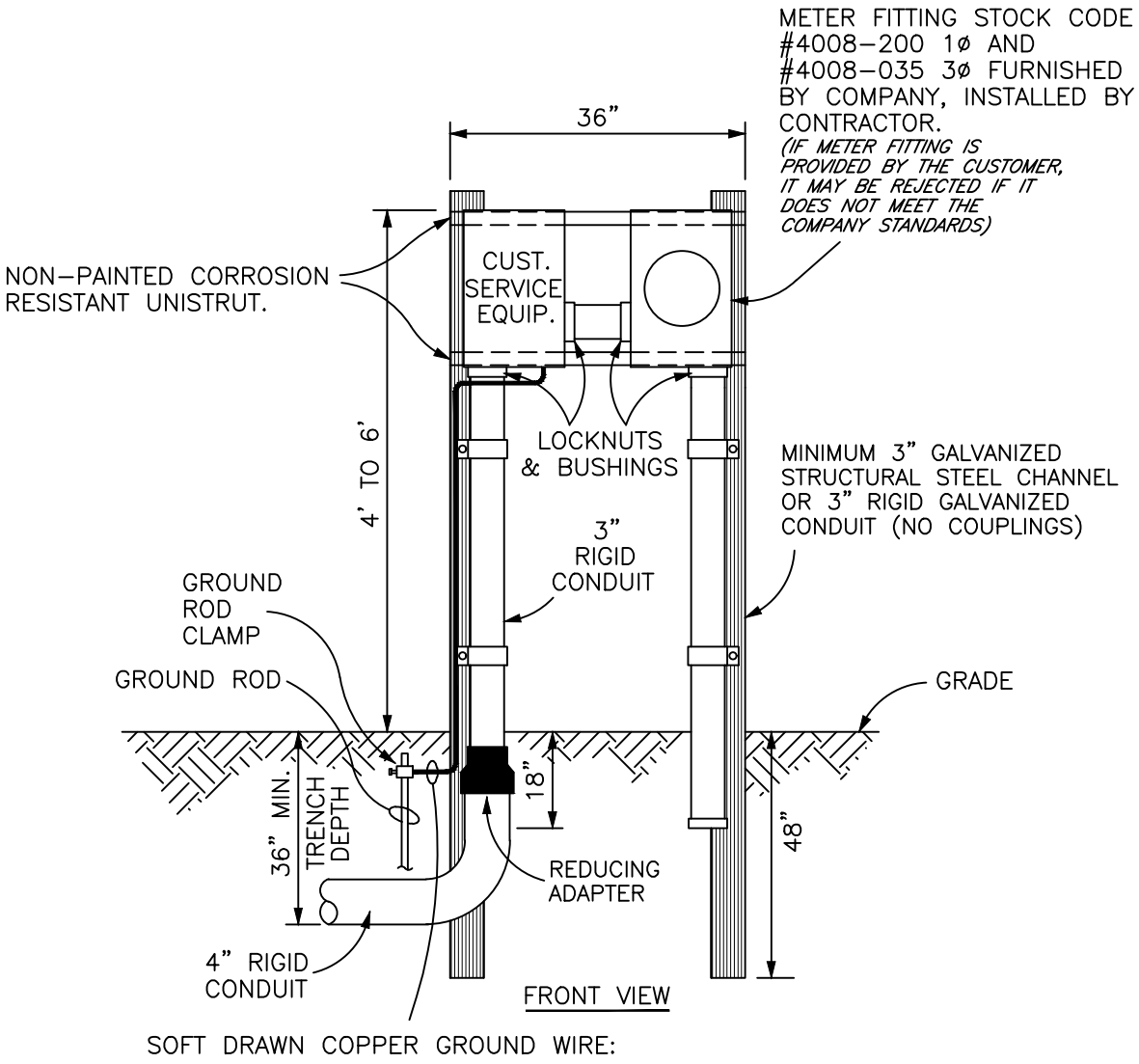
NOTES

1. THE CONTRACTOR SHALL GROUND THE SERVICE FACILITIES. THE CONTRACTOR SHALL DRIVE THE GROUND ROD(S) TO AVOID COMPANY CABLES.
2. THIS INSTALLATION IS AN ALTERNATE METHOD FOR MOBILE HOME PARKS AND MOBILE HOMES THAT ARE NOT APPROVED FOR THE INSTALLATION OF A METER FITTING ON THE SIDE OF THE MOBILE HOME.
3. 4"X3" REDUCING ADAPTER, IPL STOCK #1201–662.
4. CONTINUOUS CONDUIT REQUIRED ON ALL 3 PHASE SERVICES.
5. SEE SECTION 220A2d FOR THE DEFINITION OF RIGID CONDUIT.

200 A METER FITTING
FREE STANDING - UNDERGROUND INSTALLATION
120/240 VOLT, 3 PHASE, 4 WIRE
120/208 VOLT, 3 PHASE, 4 WIRE
225 A MAXIMUM SERVICE

REV 10–10–11

GB5-095



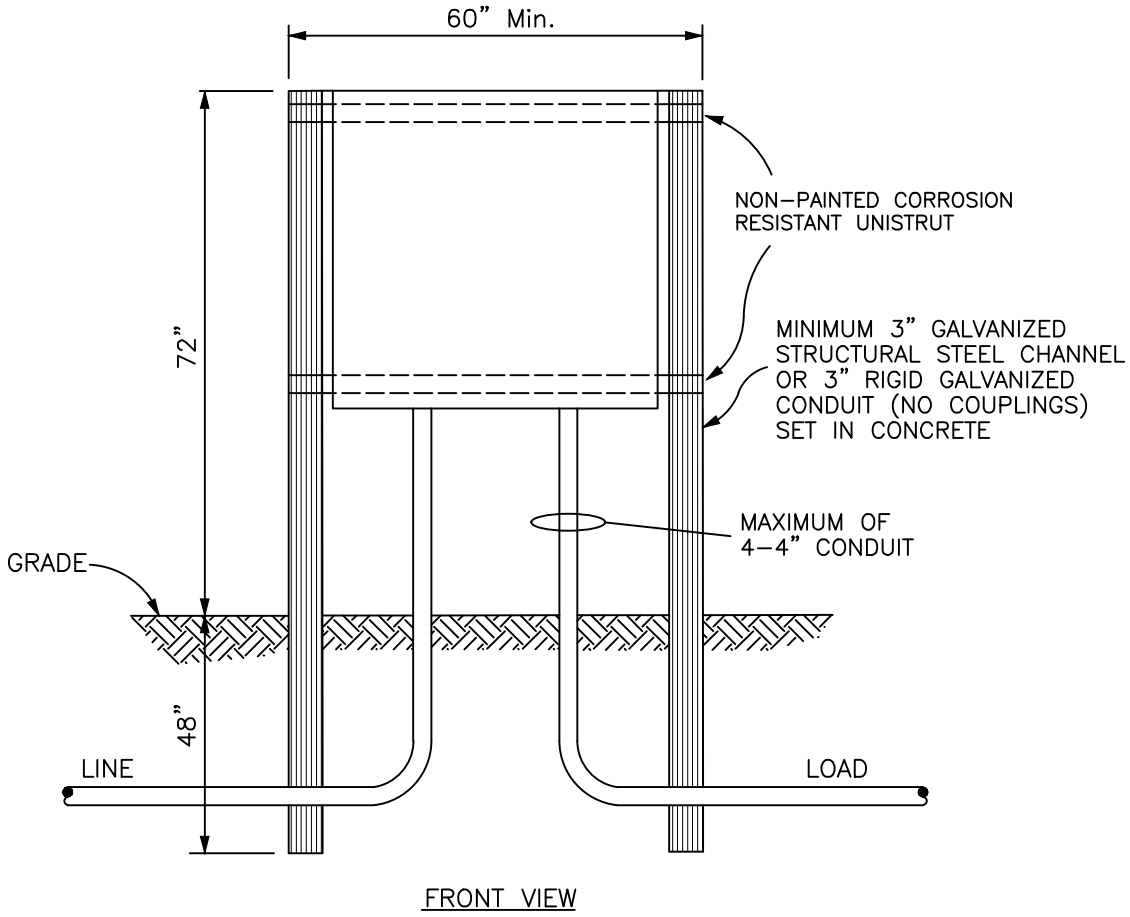
NOTES

1. THE CONTRACTOR SHALL GROUND THE SERVICE FACILITIES. THE CONTRACTOR SHALL DRIVE THE GROUND ROD(S) TO AVOID COMPANY CABLES.
2. THIS INSTALLATION IS AN ALTERNATE FOR MOBILE HOME PARKS AND MOBILE HOMES THAT ARE NOT APPROVED FOR THE INSTALLATION OF A METER ON THE SIDE.
3. 4"X3" REDUCING ADAPTER, IPL STOCK #1201–662.
4. CONTINUOUS CONDUIT REQUIRED ON ALL 3 PHASE SERVICES.
5. METER FITTING IS TO BE COLD SEQUENCE, SEE SEC. 550A7 FOR THE DEFINITION, AND THE DICONNECTING MEANS SHALL BE LOCKABLE.

200 A METER FITTING
FREE STANDING - UNDERGROUND INSTALLATION
277/480 VOLT, 1 PHASE, 3 WIRE
277/480 VOLT, 3 PHASE, 4 WIRE
225 A MAXIMUM SERVICE

REV NEW 8–26–08

GB5-096



FRONT VIEW

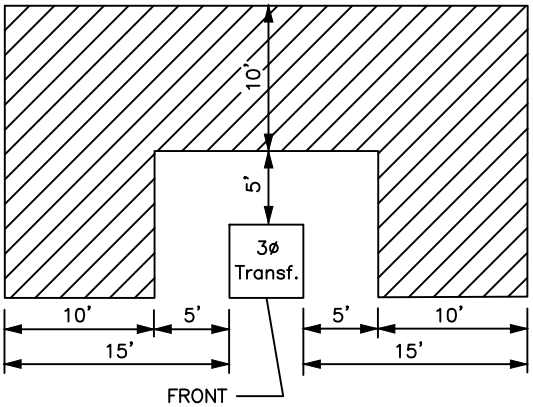
NOTES

1. SEE APPROPRIATE GOLD BOOK DRAWING FOR THE METER CABINET BEING USED.

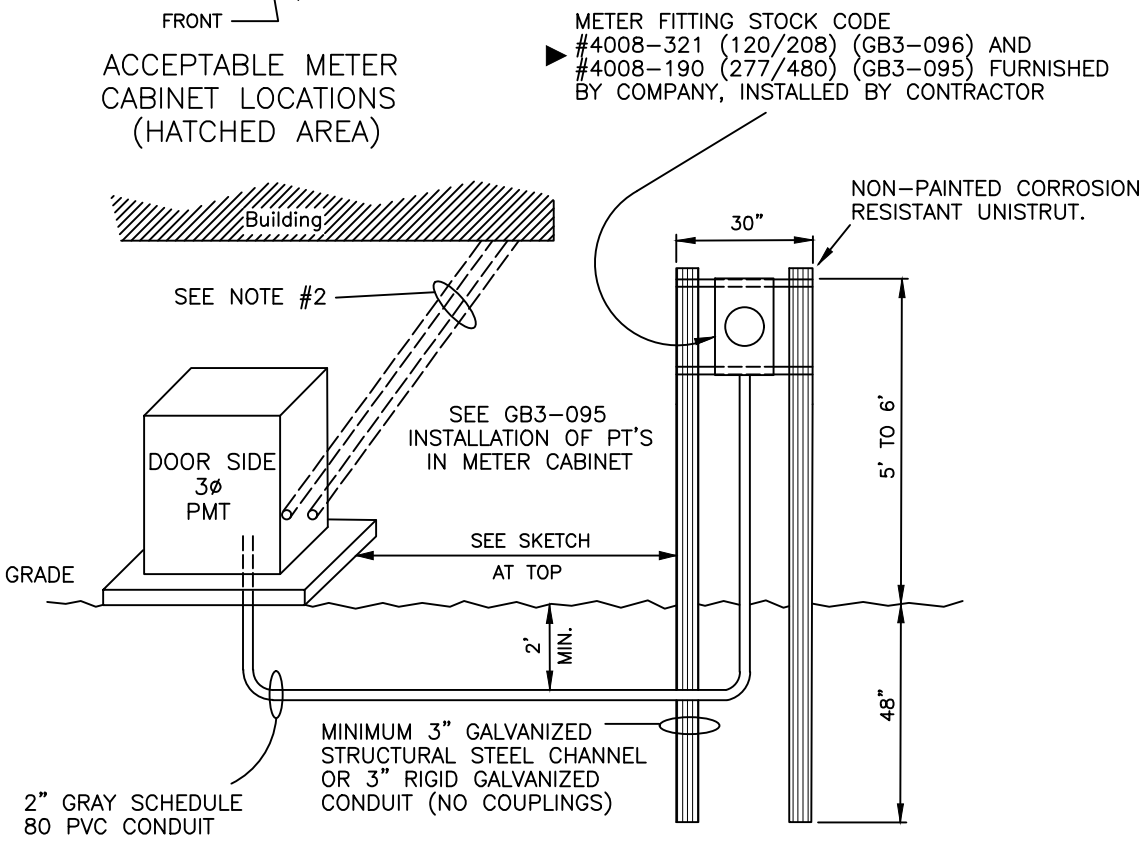
FREE STANDING STRUCTURE FOR CT METERING CABINET - UNDERGROUND INSTALLATION 120/208, 120/240, 277/480 VOLT 3Ø 4 WIRE 250A TO 1200A SERVICE

REV 6–19–03

GB5-100



ACCEPTABLE METER CABINET LOCATIONS (HATCHED AREA)



NOTES

1. USE CENTER KNOCKOUT FOR METERING CONDUIT.
2. ALL SECONDARY CONDUIT AND CABLE SHALL BE CUSTOMER OWNED.
3. IF EXPOSED TO VEHICULAR TRAFFIC, CUSTOMER SHALL PROVIDE AND INSTALL PROTECTIVE POSTS, AS APPROVED BY THE COMPANY.

TRANSFORMER MOUNTED CT METERING ONLY
FREE STANDING - UNDERGROUND INSTALLATION
120/208 VOLT 3Ø 4 WIRE
277/480 VOLT 3Ø 4 WIRE
450A TO 3000A SERVICE