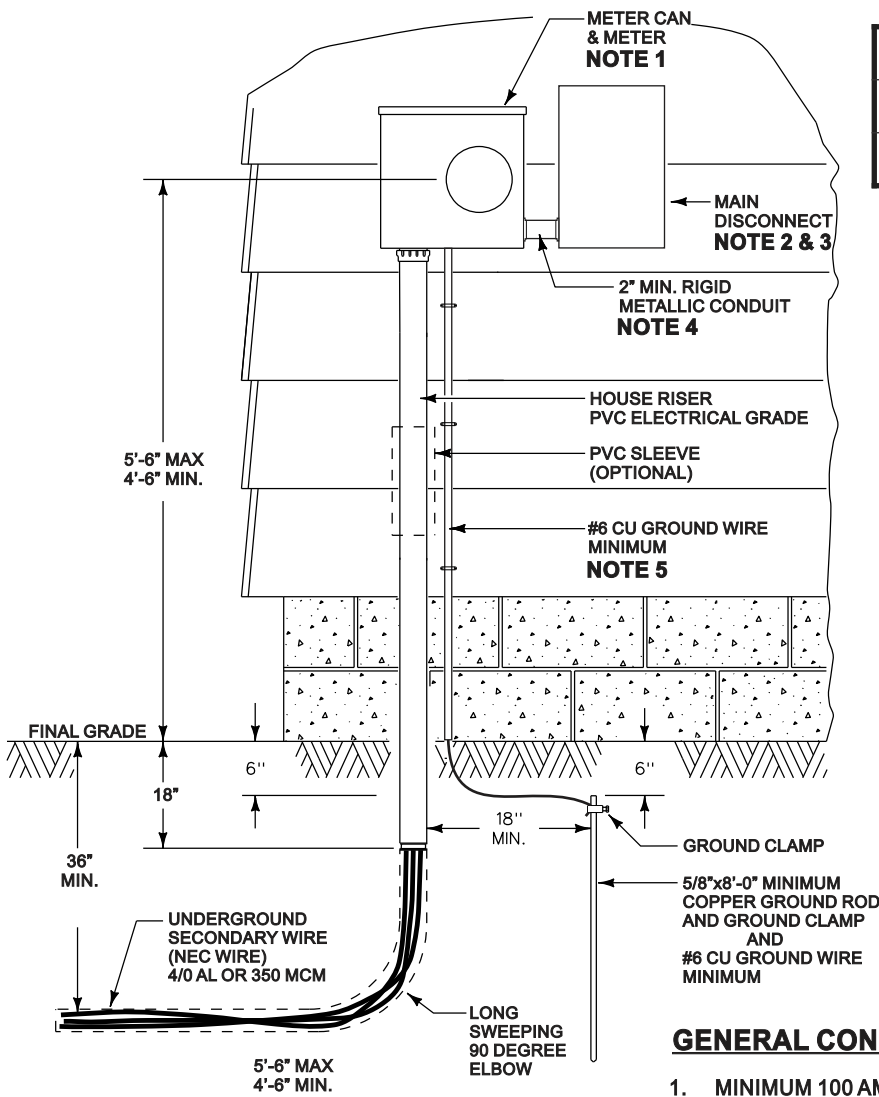


UNDERGROUND SERVICE ENTRANCE TO HOUSE



WIRE SIZES:

COPPER CONDUIT SIZES

WIRE SIZES:	COPPER	CONDUIT SIZES
100 AMP	#4	1.5"
200 AMP	2/0	2"
320 AMP	350 MCM	3"

CUSTOMER TRENCHING GUIDELINES

- * TRENCH MUST BE 4'-0" DEEP TO TOP OF CONDUIT
- * 3" PVC SCHEDULE 40 CONDUIT
- * LONG SWEEPING 90 DEGREE ELBOWS
- * 3/8" ELECTRICAL PULLING ROPE

CALL 811 TWO BUSINESS DAYS BEFORE YOU DIG

In locations with underground facilities, the Customer shall notify One Call and shall have One Call locate all underground facilities before digging. It shall be the responsibility of the Customer to stay clear of all underground facilities.

***NO EXPOSED WIRES, ALL WIRES MUST TO BE IN CONDUIT WITH ACCORDANCE TO THE NATIONAL ELECTRIC CODE**

GENERAL CONSTRUCTION NOTES:

1. MINIMUM 100 AMP 3 WIRE ENTRANCE AS PER NATIONAL ELECTRIC CODE. METER CAN MUST BE CONSTRUCTED SPECIFICALLY FOR UNDERGROUND SERVICE. (PREFERRED RINGLESS, LEVER BYPASS METER SOCKET - NO DOUBLE LUGGING ALLOWED).
METER CAN MUST BE ON LEFT SIDE OF MAIN DISCONNECT.
2. A MANUALLY OPERABLE SWITCH OR CIRCUIT BREAKER EQUIPPED WITH HANDLE OR SUITABLE OPERATING MEANS POSITIVELY IDENTIFIED AND MARKED FOR MECHANICAL OPERATION BY HAND. (MUST BE WEATHERPROOF).
3. FUSED SWITCH OR CIRCUIT BREAKER WITH AMP RATING NO LARGER THAN 125% OF THE METER BASE RATING. NO MORE THAN 1 CONDUCTOR PER HOT TERMINAL WILL BE ALLOWED.
4. CONDUIT BETWEEN METER SOCKET AND MAIN DISCONNECT MUST BE RIGID METALLIC. (ALUMINUM OR GALVANIZED)
****MUST INSTALL RIGID INSULATED METALLIC GROUNDING BUSHING ON ONE END BONDED TO GROUND. LENGTH MUST BE A MINIMUM OF 2" NOT TO EXCEED 8".**
5. THE GROUND WIRE SHALL BE NO SMALLER THAN #6 COPPER AND SHALL BE PLACED INSIDE A 1/2" PVC ELECTRICAL GRADE CONDUIT LEADING TO GROUND LEVEL.

IMPORTANT: WIRES FROM THE MAIN DISCONNECT TO THE HOUSE OR BUILDING MUST BE INSTALLED AND TERMINATED PRIOR TO NEC SETTING A METER.

X _____

DATE _____

DRAWN BY: Andrew V.
APPROVED BY: Lawrence R.



Nueces Electric Cooperative

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