

# PRIVATE SWIMMING POOL REGULATIONS

**(1) SCOPE AND APPLICATION** No person shall construct, install, enlarge or alter any private swimming pool in the Village of Howard except in accordance with the following regulations.

**(2) DEFINITION** The term "Swimming Pool," shall be defined as *"any permanent depression in the ground or any permanent above or below ground container in which water more than eighteen (18) inches deep is contained and which is used primarily for the purpose of bathing or swimming."* For the purposes of this section the term "permanent" shall mean a device which remains in place year-round and is not dismantled, stored, moved or removed on a seasonal basis. This definition does not include such temporary devices as children's wading pools, inflatable pools or similar devices, regardless of water depth.

**(3) PERMITS** A permit shall be obtained from the Building Inspector prior to the construction, installation, enlargement or alteration of any private swimming pool in the Village of Howard.

**(4) REQUIRED PLANS** Every application for a swimming pool permit shall be accompanied by plans showing; the proposed location of the swimming pool on the lot or parcel, including the distance to lot lines and existing buildings and structures; the location of any septic tank, drain field, sewer line or water line; pool dimensions and proposed water depth; type, height and location of proposed fences; and location of overhead and/or underground wiring and power lines relative to the proposed swimming pool.

**(5) PERMIT FEES** Permit fees for private swimming pools shall be as set forth in Section 14.05(15) of the Howard Municipal Code (Building Code).

**(6) SETBACK REGULATIONS** No private swimming pool shall be located in front of or closer to a street right-of-way than the principal building or use and the water line of such private swimming pool shall not be located closer than ten (10) feet to a side or rear property line or to any other building. No private swimming pool shall be located closer than five (5) feet to any septic system. The minimum setback regulations set forth in this section shall not apply to hot tubs, spas, whirlpools, children's portable wading pools, and similar recreational equipment.

**(7) FENCING REGULATIONS** Private swimming pools shall be protected by fencing complying with the following regulations.

**(a) Fence Design** Except as provided in subsection (b) below, all private swimming pools not enclosed within a permanent building shall be completely enclosed by a fence which is of sufficient strength to prevent access to the pool. Such fence shall not be less than four (4) feet in height, shall be located no closer than three (3) feet to the pool, and shall be so constructed as not to have voids, holes or openings larger than four inches in one dimension. Gates or doors in fences shall be so constructed as to be capable of being locked, and shall be closed and locked so as to prevent unlatching by persons outside the pool area at all times when the pool is not in actual use. The wall of a building facing a swimming pool may be incorporated as a portion of a required fence. For the purposes of this section, a swimming pool cover providing a degree of protection equivalent to that of the fencing described in this section may be used in lieu of fencing, as long as such cover is kept in place at all times when the pool is not in actual use.

**(b) Above-ground Swimming Pools** Above-ground swimming pools with self-provided fencing to prevent unguarded entry shall be permitted without additional fencing if such self-provided fencing complies with the minimum design parameters specified in subsection (a) above, and temporary ladders are removed and access is prevented at all times when the pool is not in actual use. Access from grade to above-ground swimming pools having permanent or stationary ladders, stairs, ramps or decks shall be protected by safeguard fencing and gates equivalent to those required herein.

**(c) Portable Pools, Spas and Hot Tubs** Portable pools over one (1) foot in depth, spas, hot tubs, whirlpools and similar equipment shall be fenced as specified in subsection (7)(a) above or shall be drained or covered after each day's use in such a manner as to provide for the safety of the public.

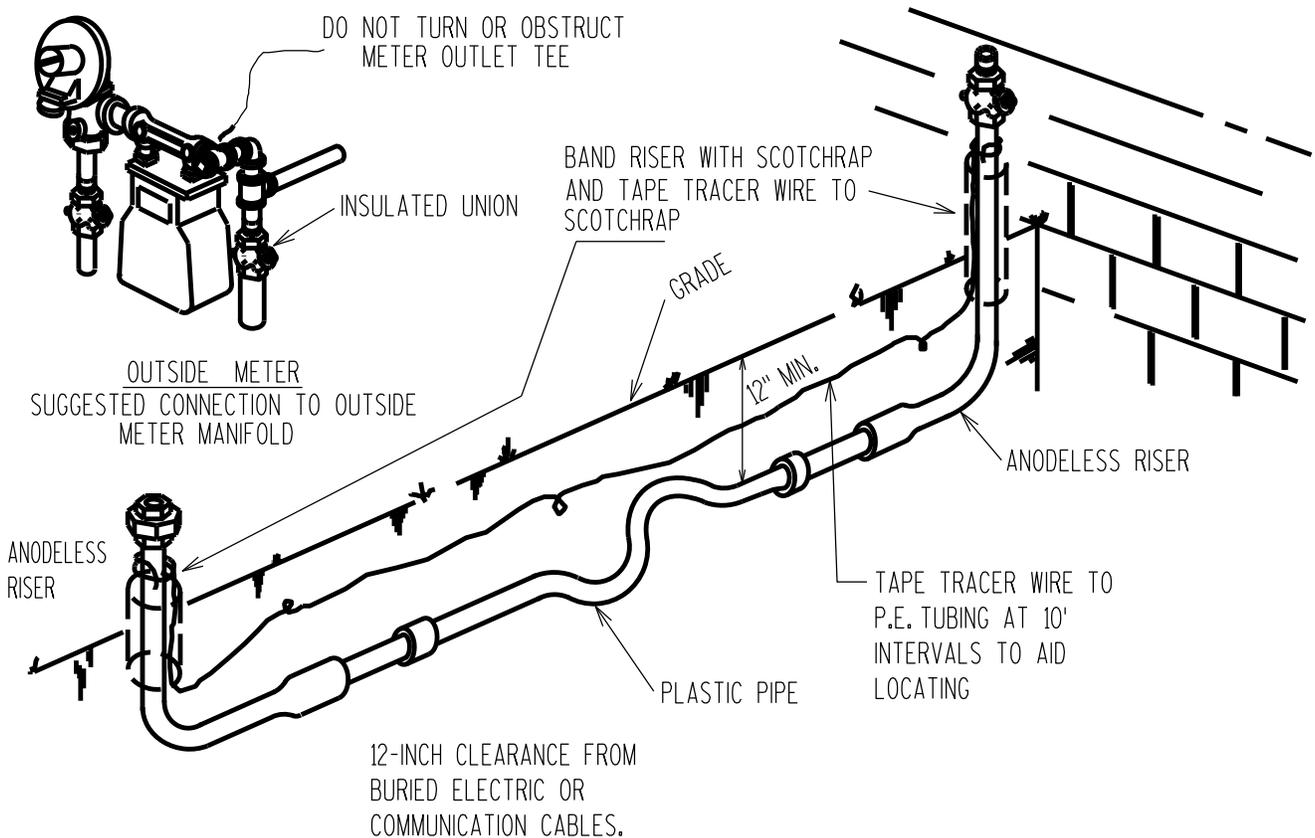
**(8) LIGHTING REGULATIONS** If overhead flood or other artificial lighting is provided to illuminate a private swimming pool at night, such lighting shall be shielded to direct all such illumination on the immediate pool area only.

APPROVED UNDERGROUND FUEL RUNS

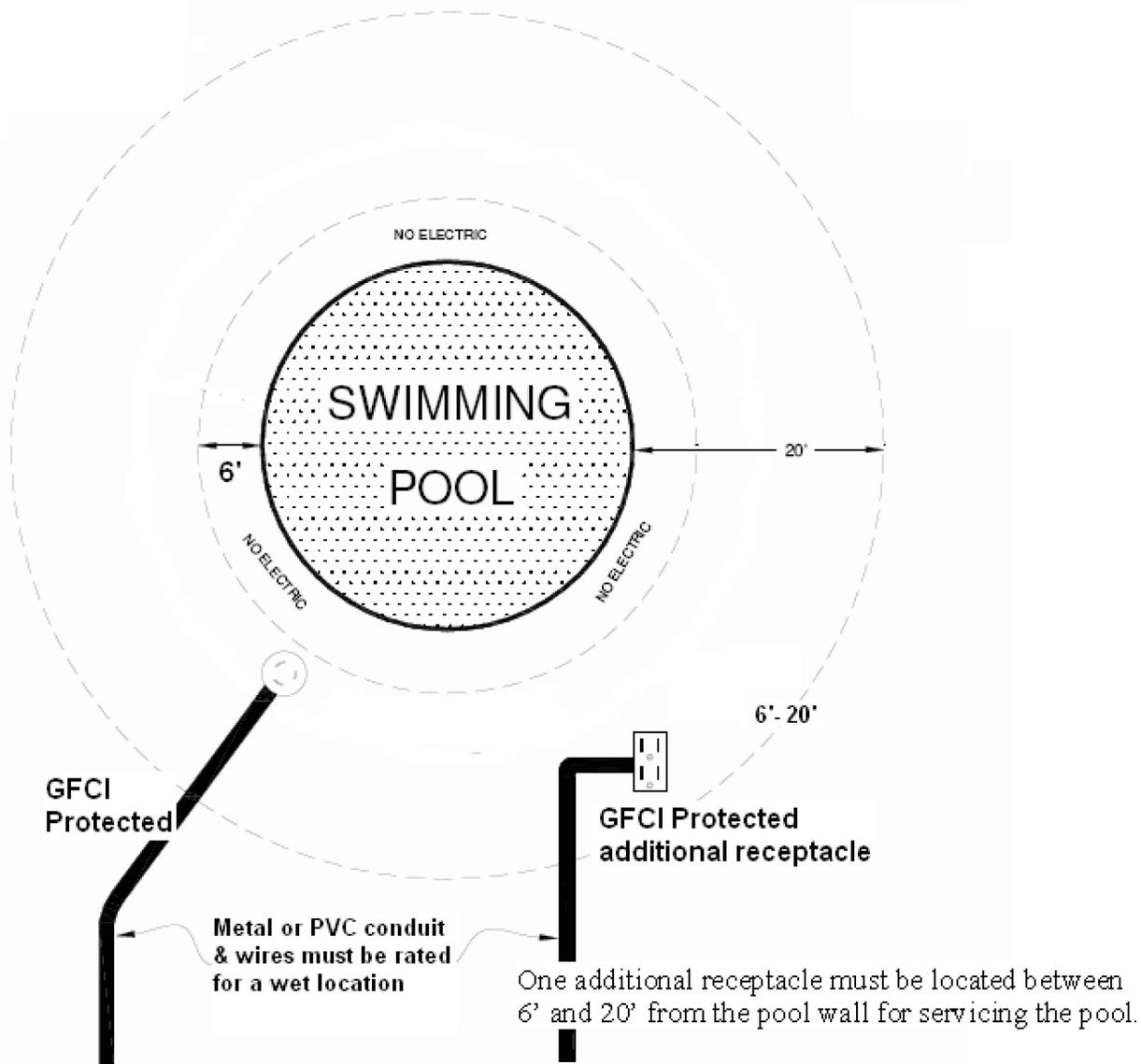
APPROVED UNDERGROUND FUEL RUNS. (NOTE: THE COMPANY CAN MAKE THESE FOR A FEE - CUSTOMER IS TO PICK UP AND INSTALL.)

- 1) APPROVED PLASTIC (ASTM D2513)
  - A. REQUIRES APPROVED STEEL RISER WHERE IT EXITS GROUND. NATIONAL FUEL GAS CODE CHAPTER 7.
  - B. PVC PIPE IS NOT APPROVED FOR GAS FUEL RUNS.
- 2) STEEL PROTECTED AGAINST CORROSION
  - A. WRAPPED OR COATED
  - B. INSULATED ON BOTH ENDS
  - C. CATHODICALLY PROTECTED (ANODES)
  - D. GAS PIPING ENTERING BUILDING BELOW GRADE, FOLLOW NATIONAL FUEL GAS CODE, PARAGRAPH 7.1.5.
- 3) COPPER (GAS GRILLS)  
(NATIONAL FUEL GAS CODE Z233.1 CHAPTER 5, 6, AND 7)
- 4) PIPE ENTERING BUILDING ABOVE GROUND MUST BE WRAPPED THROUGH THE WALL

APPROVED PLASTIC INSTALLATION

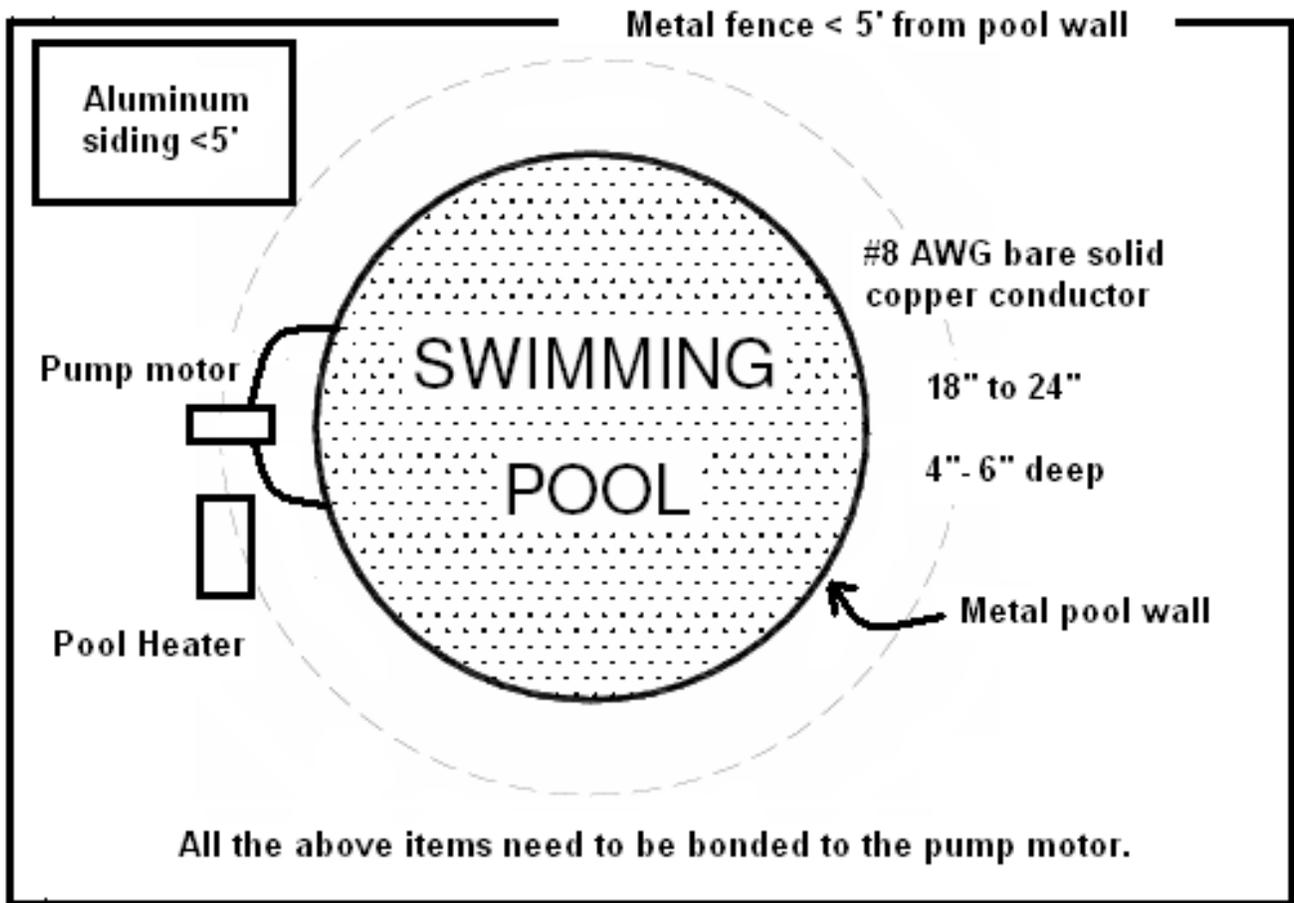


Revised: 03/07



## Pump motor wiring

1. The conduit must be trenched in a minimum of 18" deep up to the pump motor receptacle.
2. If the pump draws 10 or more amps, a separate dedicated circuit is required.
3. Wiring must be in rigid non-metallic (PVC) or rigid metal conduit (12-2 UF cable is not permitted). 12-3 UF cable inside PVC conduit from the house to the pool is permitted.
4. Conductors in the conduit must all be insulated, including the equipment grounding conductor (3 insulated conductors required).
5. Conductors must be approved for **Wet** locations and have a "W" (for wet) included in the labeling on the individual wires (i.e. THWN or THHW).
6. The pump motor receptacle must be a single **Twist Locking Receptacle** only.
7. The receptacle cover must be a wet location type (bubble cover type).
8. The cord for the pump shall **not exceed 3'** in length and shall consist of 12-3 gauge wire with a **twist locking type plug/receptacle**.
9. The circuit must be GFCI protected.



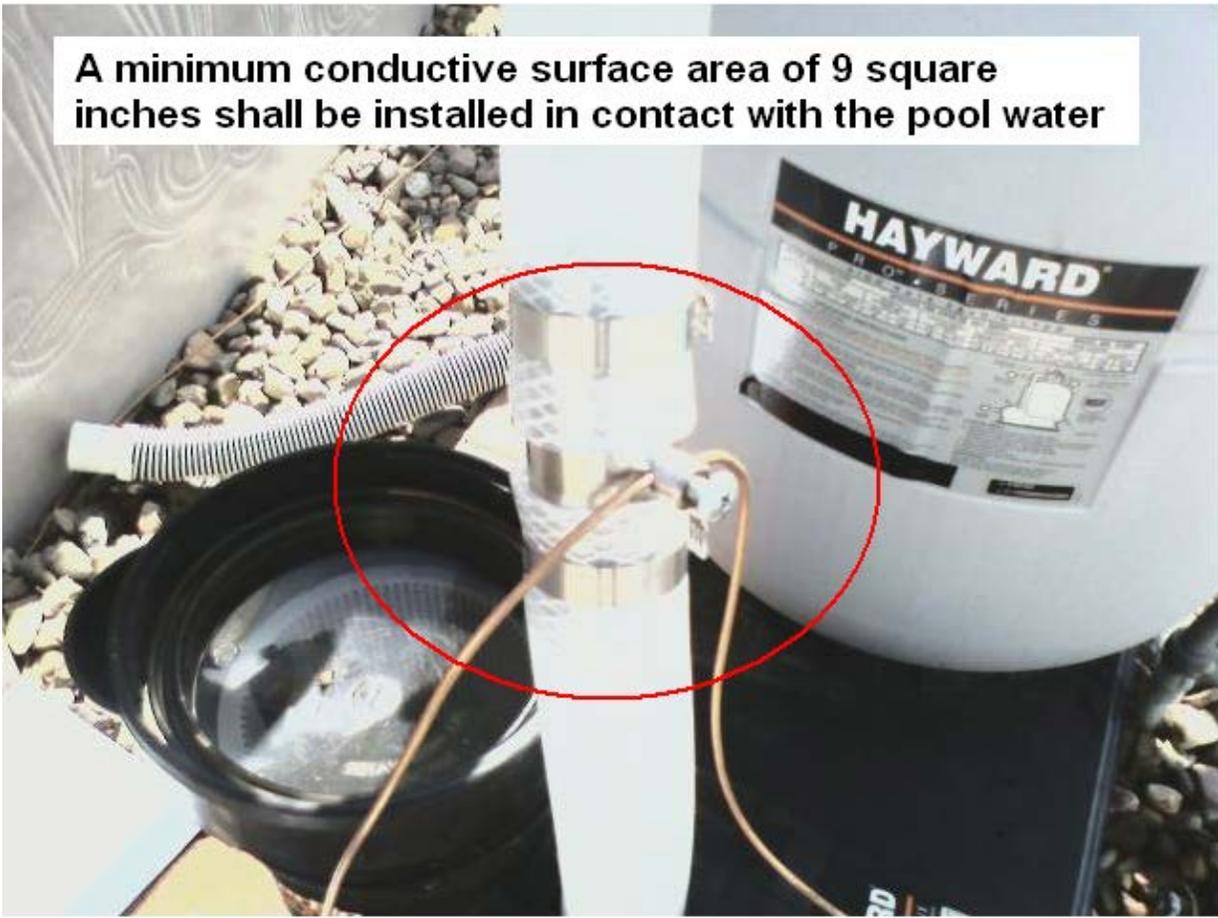
### 680.26 Equipotential Bonding

1. A minimum of one, 8 AWG bare solid copper conductor shall be provided around the perimeter of the pool.
2. Only listed splices are permitted in the conductor.
3. The required conductor shall be located 18" to 24" from the inside wall of the pool.
4. The conductor shall be buried 4" to 6" below grade and shall follow the contour of the ground surface.

### Pool Water Bonding

1. An intentional bond of a minimum conductive surface area of 9 square inches shall be installed in contact with the pool water (see photos below).

A minimum conductive surface area of 9 square inches shall be installed in contact with the pool water



or



Install in pool skimmer



**Motor bonding**

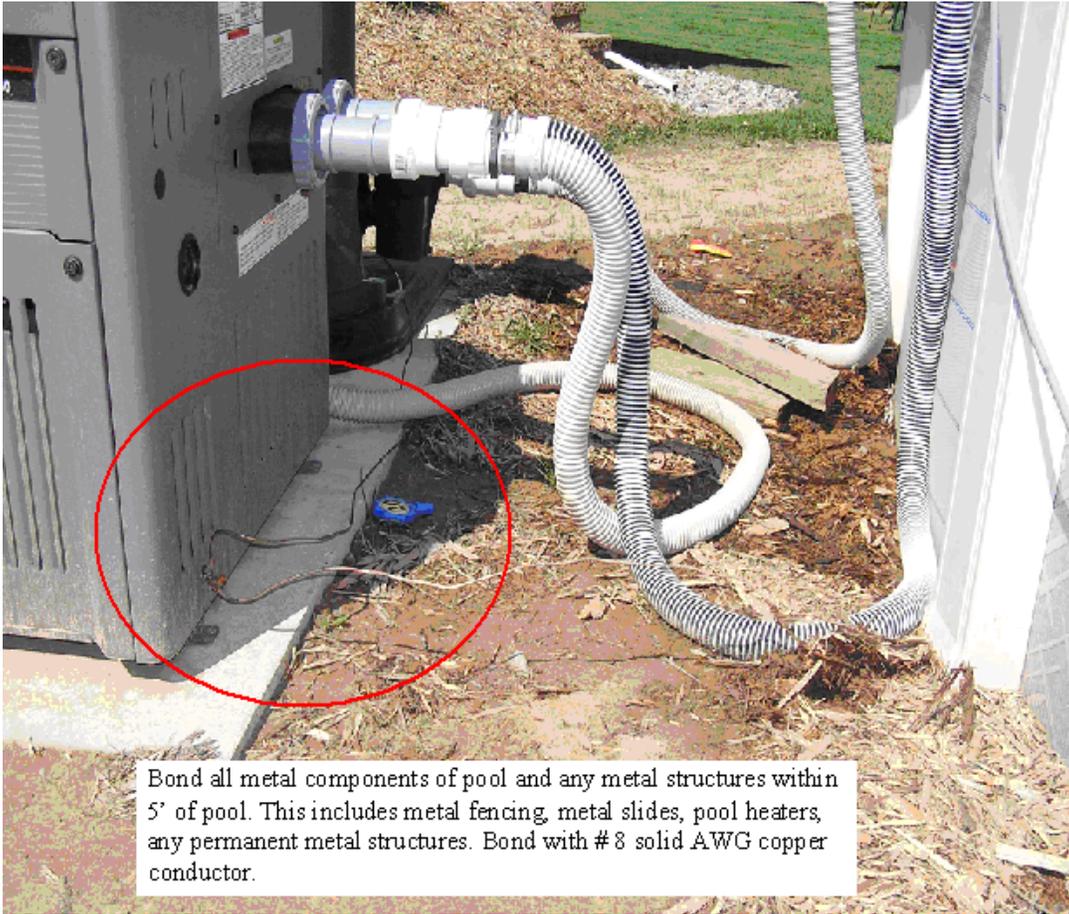


**Splices must be a split bolt type connector**

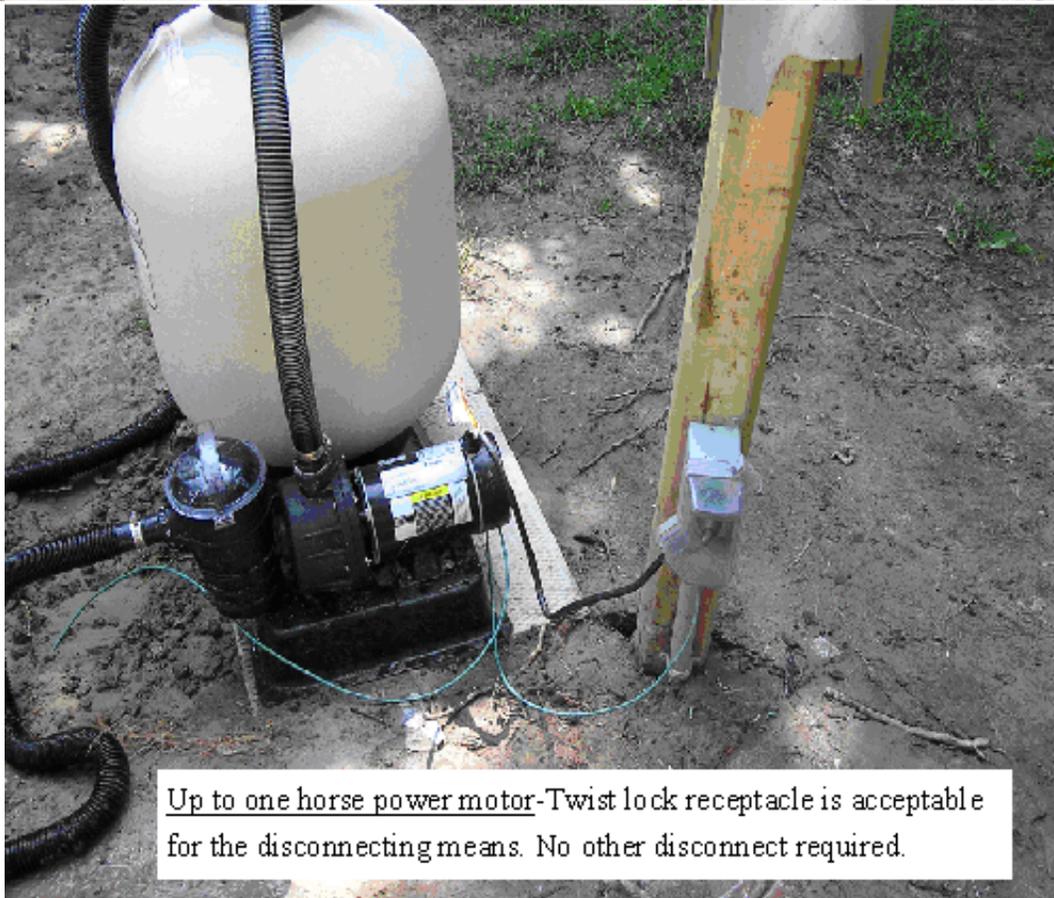
**# 8 solid copper wire 18"-24" from pool wall & trenched 4"-6" deep**



**Bond pool wall with #8 solid copper conductor**



Bond all metal components of pool and any metal structures within 5' of pool. This includes metal fencing, metal slides, pool heaters, any permanent metal structures. Bond with # 8 solid AWG copper conductor.



Up to one horse power motor-Twist lock receptacle is acceptable for the disconnecting means. No other disconnect required.



Greater than one horse power motor-disconnect required.  
Disconnect must be horse power rated  $\geq$  the motor.  
A bubble cover twist lock receptacle can be used in addition to the disconnect. Timers must be horse power rated  $\geq$  motor.

