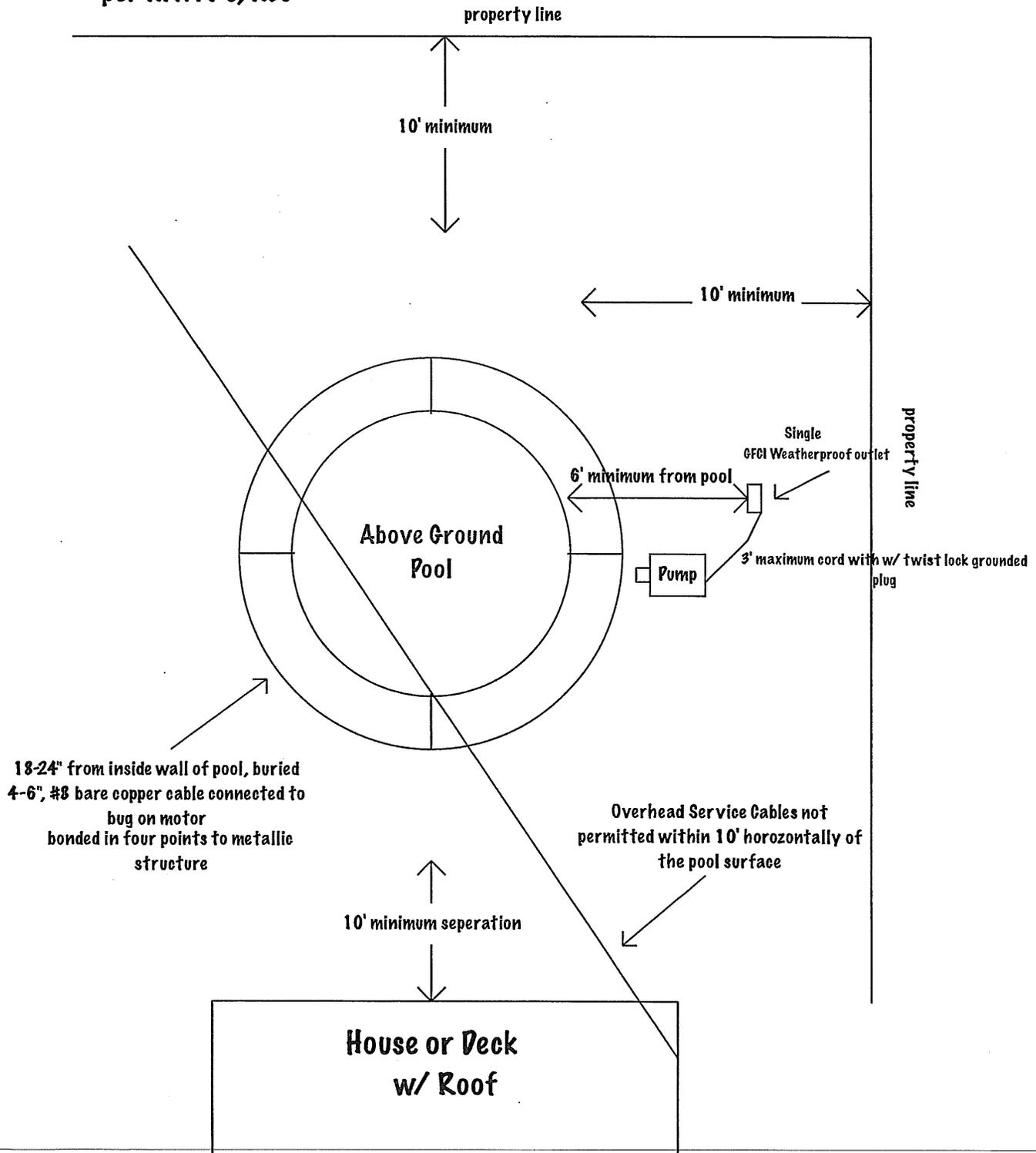


Electrical Requirements for Above-ground Swimming Pools

1. GFCI (ground fault circuit interrupter) protected receptacle required between 6 and 20 feet from the pool.
2. Pool pump receptacle must be twist lock, GFCI protected with an in-use cover located minimum 6 feet from pool.
3. Conduit for pool pump shall be minimum 18" cover.
4. Pool pump receptacle shall be mounted on a post usually 4" x 4" pressure treated
5. Pool pump motor needs to be bonded to pool with a #8 solid copper wire
6. Pool pump receptacle feed wires shall be individual conductors in PVC or metal (rigid or intermediate). All wiring methods must have an insulated copper ground conductor not smaller than #12. UF cable not allowed.
7. All metal within 5 feet of inside wall of pool shall be bonded to the pool with #8 solid copper
8. Bonding connectors shall be stainless steel, brass, copper or copper alloy.
9. The pool pump motor shall be listed and labeled for swimming pool use.
10. If the pool ladder is metal, it must be bonded to the pool
11. A minimum 9 square inch conductive plate shall be installed in contact with the water. The plate must be included in the bonding network. This plate can be satisfied with a metallic fill pipe or a metal filter basket.
12. The perimeter area surrounding the pool, including at a minimum the lawn, must be bonded to the bonding grid. This can be accomplished by burying a #8 bare copper conductor 4 inches into the soil and tied to the pool pump external binding post. For nonconductive pool shells (fiberglass an example) bonding at four points shall not be required. See Article 680.26 for specifics.

Special Note: The above statements are illustrative of Code requirements only. Strict adherence to all Article 680 requirements is mandatory.

**Recommended Minimum
Aboveground Pool
Electrical Requirements
per NFPA 70, NEC**



ELECTRICAL PLAN SAMPLE