



City of Roseville

29777 GRATIOT, P.O. 290
ROSEVILLE, MICHIGAN 48066

BUILDING DEPARTMENT

SWIMMING POOL PERMIT INSTRUCTIONS

(Also Hot tubs & Spas)



CITY OF ROSEVILLE – BUILDING DEPARTMENT
586/445-5450

SWIMMING POOL REGULATIONS

1. All swimming pools, hot tubs and spas are to be installed in accordance with the 2009 Michigan Residential Code, Appendix G.
2. Property owners installing swimming pools capable of holding 24-inches or more of water must obtain a building permit from the Building Department **PRIOR** to installation.
3. Submit **two** copies of plot plan [accurately showing dimensions of the pool, distances to lot lines and existing buildings, existing building locations, electrical wire location (see sample drawing) and indicating fence enclosure] along with a completed building permit application.
4. Pools are considered accessory structures under the City of Roseville Zoning Ordinance. As such, the following must be complied with:
 - A. Pools must be in the rear yard or non-required sideyard.
 - B. Pools, including any appurtenant structure (i.e. decks) must be at least two (2) feet from the side lot line and five (5) feet from the rear lot line. There shall be a distance of four (4) feet between the outside pool wall and any building located on the same lot.
 - C. No swimming pool shall be located in an easement.
 - D. Pools must be located at least 10' from any overhead wires. All permanent pools require Bonding and Grounding as per attached diagram.
5. All pools are to be provided with a filtration system adequate to keep water clean and free of foreign matter.
6. All pools shall have a 48-inch high barrier on all sides. Barrier height shall be measured from the side facing away from the pool.
 - A. Openings in barrier shall not allow the passage of a 4-inch sphere.
 - B. If a fence is to be used as the barrier, then all gates in the barrier shall be self-closing and self-latching with latch at proper location.
 - C. Where a wall of the house, garage or shed serves as part of the required barrier, then all openings in said wall shall comply with Section AG105.2-9 of the 2009 Michigan Residential Code (Alarms required on all doors).
 - D. Where the sides of the pool are used as the barrier, the ladder or steps to the pool shall be capable of being secured, locked or removed to prevent access. If ladder or steps cannot meet this requirement, then a 48-inch high barrier must surround them.

7. All appurtenant electrical installations shall comply with the 2009 Michigan Residential Code, Chapter 42. Electrical permits and inspections are required. Consult with the electrical inspector for details (see sample drawing).
8. Pool locations are to be reviewed and approved by an inspector **before** the issuance of a permit.
9. All swimming pool filter motors are to be wired and inspected before any swimming is allowed. Call 586/445-5450 with the address and permit number to schedule an inspection. No extension cords are allowed.

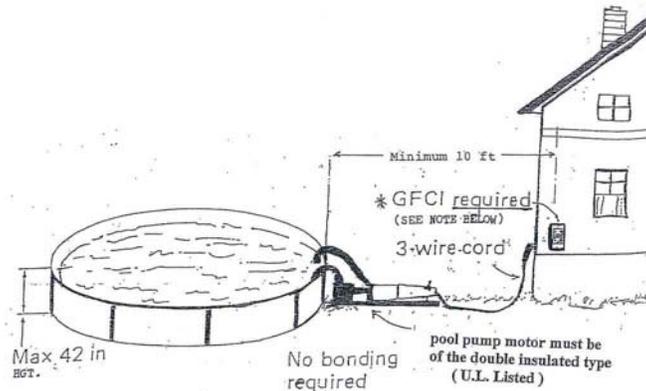
NOTE: SECTION 300-6 (SWIMMING POOL ORDINANCE REQUIREMENTS) FOR THE WATER SUPPLY STATES THAT ALL SWIMMING POOLS SHALL BE PROVIDED WITH A PORTABLE WATER SUPPLY FREE OF CROSS CONNECTIONS WITH THE POOL OR ITS EQUIPMENT. INSTALL **VACUUM BREAKER** ON FAUCET THAT IS USED TO FILL POOL WITH WATER.



EXAMPLE OF WATERPROOF RECEPTACLE:



Storable Swimming or Wading Pool: Those that are constructed on or above the ground and are capable of holding water to a maximum depth of 42 inches (1.07m), or a pool with nonmetallic, molded polymeric walls or inflatable fabric walls regardless of dimension.



STORABLE POOLS ONLY: The type of pump suitable for use with storable pools has a 25-foot flexible cord and attachment plug. It is marked:

“This pump is for used with Storable Pools only – DO NOT USE with Permanently Installed Pools. A storable pool is constructed so that it may be readily disassembled for storage and reassembled to its original integrity. A permanently installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage.”

Cords may NOT be shortened nor shall attachment caps be changed to a different type. If a listed double insulated pump motor comes with a shorter cord, the assembly must be located so that the cord will reach an electrical outlet at least ten feet from the pool.

LISTING MARK: The UL Listing Mark for these products accompanies the product name “Underwater Lighting Fixture for Above Ground Storable Swimming Pool.”

DOUBLE INSULATION: Pumps with a minimum 25 foot supply cord are double insulated and have inaccessible metal parts grounded with the equipment grounding conductor terminated at the attachment plug. These pumps do not have a bonding connector.

GFCI: These units are intended for connection to circuits protected by ground fault circuit interrupts and are marked: “WARNING – Risk of Electric Shock. Connect only to a grounding type receptacle protected by a ground fault circuit interrupter (GFCI).”

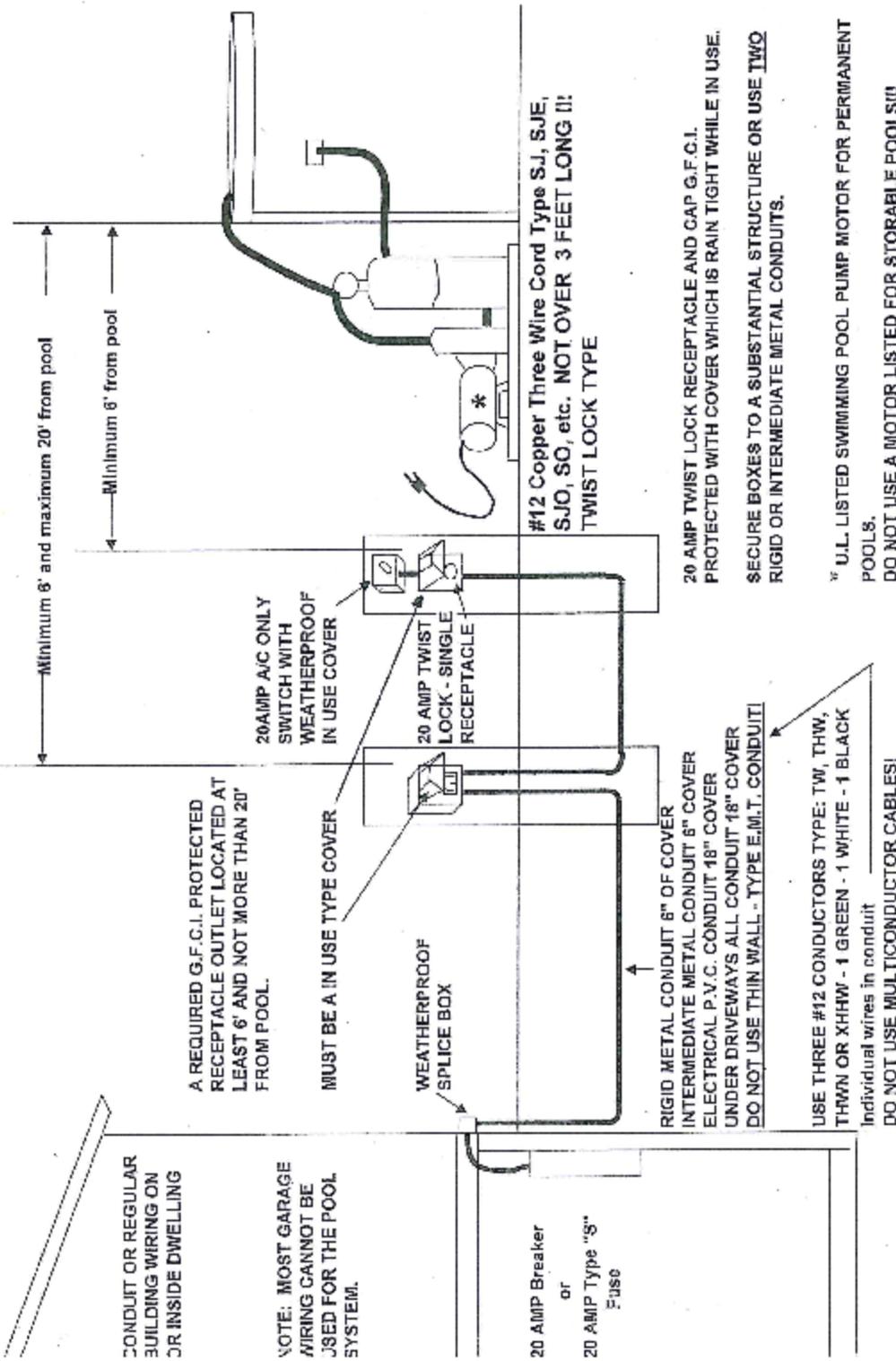
*NOTE: Outlet will require a Raintite While in Use Cover.



Distance from pool to receptacle shall be at least six (6) feet.

PERMANENT SWIMMING POOL WIRING

2009 WIRC



CONDUIT OR REGULAR BUILDING WIRING ON OR INSIDE DWELLING

NOTE: MOST GARAGE WIRING CANNOT BE USED FOR THE POOL SYSTEM.

A REQUIRED G.F.C.I. PROTECTED RECEPTACLE OUTLET LOCATED AT LEAST 6' AND NOT MORE THAN 20' FROM POOL.

MUST BE A IN USE TYPE COVER

WEATHERPROOF SPLICE BOX

20 AMP Breaker or 20 AMP Type "S" Fuse

RIGID METAL CONDUIT 6" OF COVER
INTERMEDIATE METAL CONDUIT 6" COVER
ELECTRICAL P.V.C. CONDUIT 18" COVER
UNDER DRIVEWAYS ALL CONDUIT 18" COVER
DO NOT USE THIN WALL - TYPE E.M.T. CONDUIT

USE THREE #12 CONDUCTORS TYPE: TW, THW, THWN OR XHHW - 1 GREEN - 1 WHITE - 1 BLACK
Individual wires in conduit
DO NOT USE MULTICONDUCTOR CABLES!

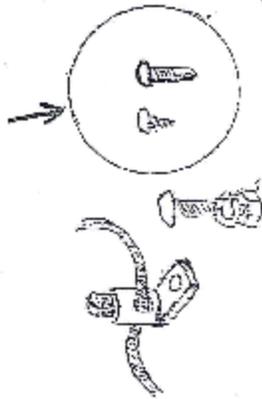
20 AMP TWIST LOCK RECEPTACLE AND G.F.C.I. PROTECTED WITH COVER WHICH IS RAIN TIGHT WHILE IN USE.
SECURE BOXES TO A SUBSTANTIAL STRUCTURE OR USE TWO RIGID OR INTERMEDIATE METAL CONDUITS.

* U.L. LISTED SWIMMING POOL PUMP MOTOR FOR PERMANENT POOLS.
DO NOT USE A MOTOR LISTED FOR STORABLE POOLS!!!

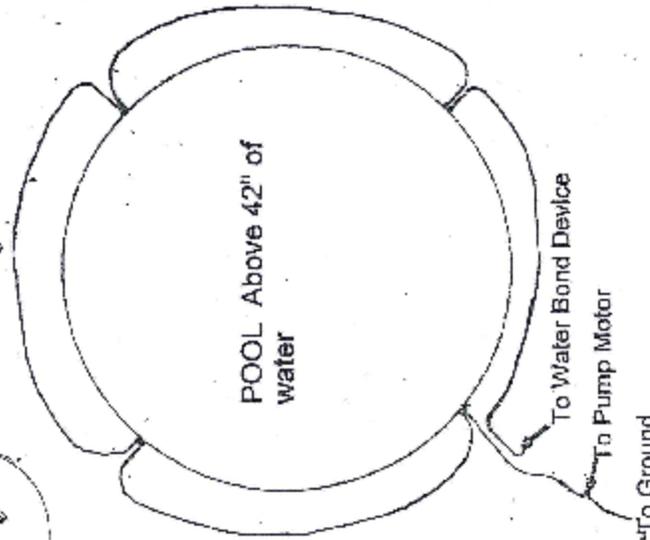
MUST ALSO COMPLY WITH BONDING REQUIREMENTS ON NEXT PAGE

**2009 Michigan Residential Code
 Permanent Pool Bonding &
 Grounding #8 Solid Bare
 Copper, 18"-24" from pool 4"-6"
 deep**

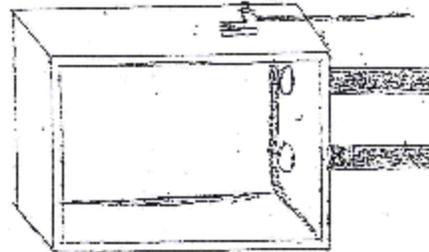
DO NOT USE



Lugs and hardware to be nonferrous metal (stainless steel, bronze, brass, copper). Lugs to be listed for Direct Burial. Machine screws only.

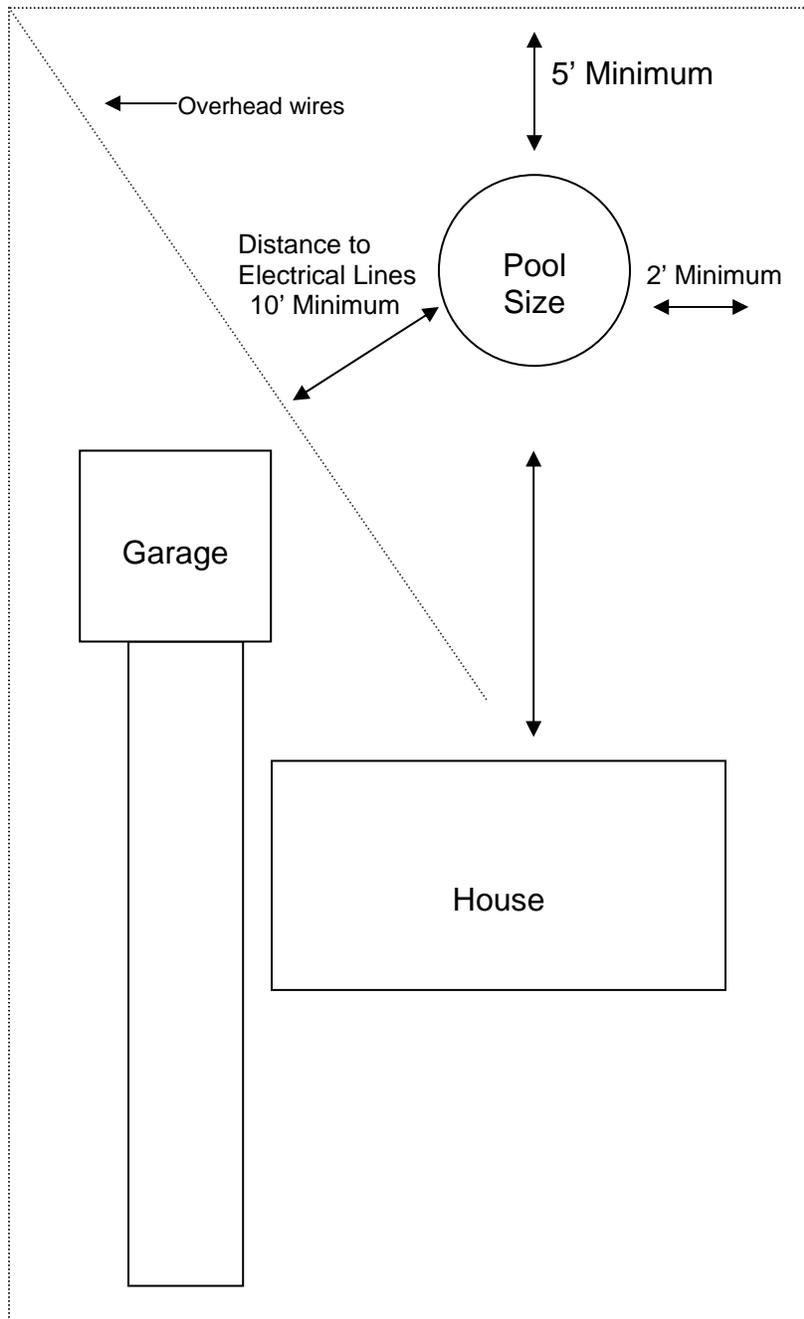


Metal WP Box



Bond all Metal within 5' of Pool to Bonding Grid

SAMPLE PLOT PLAN FOR POOLS



Front Property Line

It is necessary to include dimensions from lot lines and all structures (Houses, garages, sheds) on the lot and to show where overhead wiring is located.