

# SWIMMING POOLS

## REQUIREMENTS:

- A BUILDING PERMIT IS REQUIRED FOR ANY POOL, THE EXCEPTION IS A PORTABLE POOL WITH LESS THAN 24" OF WATER.
- A FENCE IS REQUIRED FOR IN-GROUND POOLS THAT MUST MEET THE REQUIREMENTS OF APPENDIX "G" OF THE RESIDENTIAL BUILDING CODE. SPECS FOR FENCE ARE REQUIRED AT TIME OF APPLICATION. 48" MIN BARRIER REQUIRED FROM GRADE TO TOP OF FENCING. IF YARD IS NOT LEVEL, ASK FOR FURTHER INFO.
- POOLS / DECKS ARE NOT ALLOWED TO BE CONSTRUCTED ON EASEMENT
- FOR ABOVE GROUND POOLS, A LADDER MUST BE REMOVABLE OR LOCKABLE TO PREVENT ACCESS.
- THE POOL DECK IS INCLUDED IN THE BUILDING PERMIT. DRAWINGS & DETAILS ARE REQUIRED AT TIME OF SUBMITTAL.
- POOL ALARMS ARE REQUIRED PER APPENDIX "G" SECTION 107 ON ALL POOLS.
- **ELECTRICAL PERMIT REQUIRED FOR ALL POOLS**
- ELECTRICAL WORK MUST MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND BE INSPECTED BY TOWN OF WEST SENECA ELECTRICAL INSPECTOR.
- **DRAINAGE INSPECTION REQUIRED AFTER POOL INSTALL. LEFT OVER SOIL MUST BE REMOVED AS NOT TO AFFECT DRAINAGE. IF DRAINAGE IS ALTERED, BASED UPON INSPECTIONS, YOU WILL BE REQUIRED TO REMOVE AND RESTORE GRADE**

SIGNATURE OF APPLICANT: \_\_\_\_\_

## DRAINING OF POOLS:

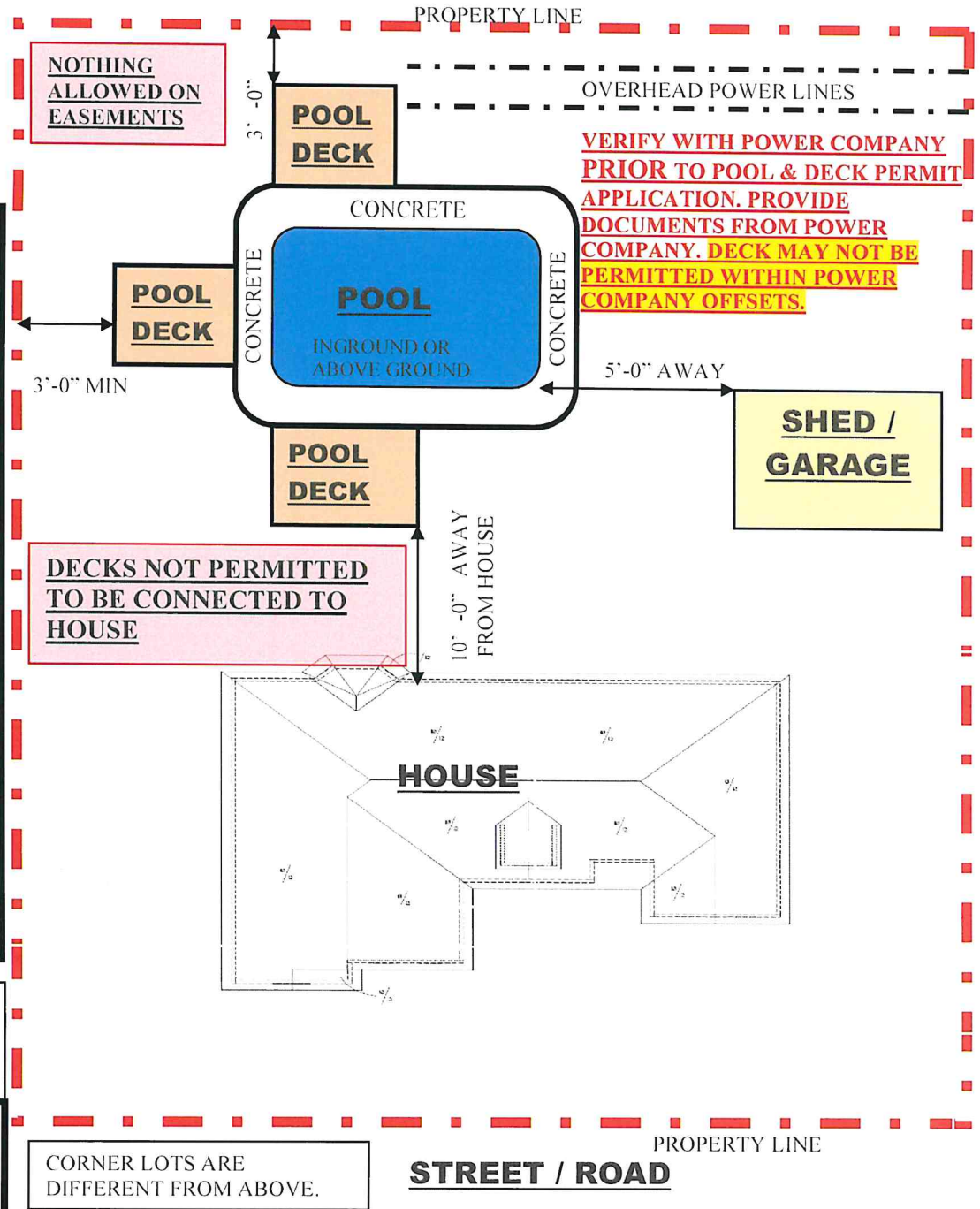
SWIMMING POOLS MUST DRAIN TO STORM SEWER OR DITCH. TEMPORARY CONNECTIONS TO THE STORM SEWERS ARE PERMITTED, BUT MUST BE REMOVED WHEN COMPLETED.

## PERMIT FEE:

Cost of construction determines permit fee.  
 First \$1,000 of construction cost = \$18.00  
 Each \$1,000 additional = \$8.00

## ELECTRICAL FEE:

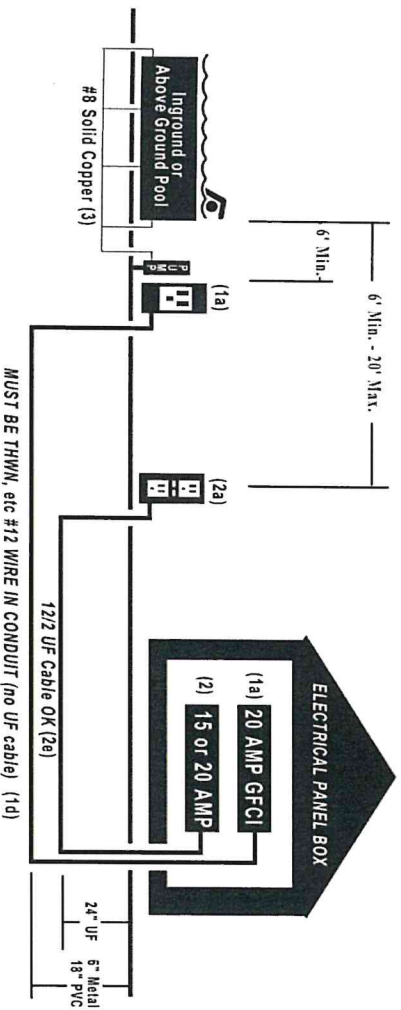
Above Ground pool = 85.00  
 In ground pool = 100.00



## PERMANENTLY INSTALLED SWIMMING POOLS

PERMANENTLY INSTALLED SWIMMING POOLS ARE THOSE THAT ARE CONSTRUCTED IN THE GROUND OR PARTIALLY IN THE GROUND AND ALL OTHERS CAPABLE OF HOLDING WATER WITH A DEPTH GREATER THAN 42 INCHES

### ELECTRICAL WIRING REQUIREMENTS – 2017 NATIONAL ELECTRICAL CODE



#### 1) Pool Pump and Heater Receptacle (Outlet) and Wiring Method

- a. If a pump motor or heater receptacle is located between 6'-20' from the inside wall of the pool, the receptacle shall be Ground Fault Circuit Interrupter (GFCI) protected and rated weather resistant (WR). Receptacle must have an **extra-duty, in-use, weatherproof cover** that can be **closed** when the cord is plugged in. Pump and Heater Cord shall be #12 AWG and shall not exceed 3'-0" long. The circuit for the pump motor must be a dedicated line going directly to the panel box and is to be isolated from all other receptacles/loads.
- c. Conduit: 1. PVC – Must be buried at least 18" deep (12" deep if GFCI protected) and needs a PVC expansion coupling where it enters the earth. See \*.
- d. 2. Metal – All Rigid Metal Conduit must be at least 6" deep. See \*.

\*Wires used in conduit must be single wires – black, white, green (ex: THWN, **NO NM or UF CABLE in Conduit**).

- e. Ground Wire for the pump motor shall not be less than a #12 AWG **insulated green** copper grounding wire and in conduit. (Exception: When entering a building the wire can change to NM, cannot use NM - romex wire in conduit). Neutral wires shall be insulated white.
- f. Pool pump timers are required.

#### 2) Convenience Receptacle (Outlet) and Wiring Method

- a. At least one (1) 15 or 20 ampere convenience receptacle must be located not closer than 6', but not further than 20' from the outside pool wall (Can be existing and/or wired with any NEC Chapter 3 approved wiring method). Convenience receptacle must be Ground Fault Circuit Interrupter (GFCI) protected, Tamper Resistant (TR), and a Weather Resistant (WR) type receptacle.
- b. Must have an **extra-duty, in-use, weatherproof cover** that can be closed when the cord is plugged in.
- c. Must be separate from the pool pump receptacle wiring.
- d. Wiring: 1. UF cable if buried shall be at least 24" deep (12" deep if GFCI protected).
- e. 2. PVC – All PVC Conduits must be buried at least 18" deep (12" deep if GFCI protected). PVC Expansion coupling required where PVC conduit enters the earth. See \*.
- f. 3. Metal- All Rigid Metal Conduits must be at least 6" deep. See \*.

\*Wires used in conduit must be single wires – black, white, green (ex: THWN, **NO NM or UF CABLE in Conduit**).

#### 3) Equipotential Bonding of the Pool

- a. All metal parts must be bonded together using a #8 (or larger) **solid bare copper wire**.
- b. Conductive pool shells must be bonded at a minimum of four (4) equal points uniformly spaced around the pool. Must use **non-corrosive clamps/lugs**. Nonconductive pool shells are not required to be bonded.
- c. Nonconductive and conductive pool shells must have a #8 (or larger) **solid bare copper wire** 18-24" from the inside pool wall and buried 4-6" below the final grade under the perimeter surface.
- d. A minimum of nine (9) square inches of corrosion resistant metal must be in the water to bond the water.

#### 4) Other

- a. Building and Electrical Permits are required **prior to beginning any work**.
- b. Pool alarms are required. (Check with your local Code Enforcement Official for additional information).

**PLEASE CONTACT THE ELECTRICAL INSPECTOR @ 558-3221 or AN ELECTRICAL CONTRACTOR FOR ANY QUESTIONS**