



Single Family Residential In-Ground Permanent Swimming Pool Permit/Construction Document Requirements

The documents submitted for a swimming pool permit must follow the current adopted International Swimming Pool & Spa Code (ISPSC) including but not limited to Chapter 3 General Compliance and Chapter 8 Permanent Inground Residential Swimming Pools, with applicable Northbrook Municipal Code amendments. (For Onground Storable Residential Swimming Pools see ISPSC Chapter 7. For Permanent Residential Spas see ISPSC Chapter 9 and Northbrook Municipal Code amendments.)

Swimming pool construction documents must include the following:

1. Site Plan (to scale) that indicates:
 - a. Swimming pool /spa/ deck location and dimensions from water's edge to property lines and other buildings (*Distance from pool water's edge to property line is required to be six feet (6') minimum*)
 - b. Swimming pool stairs/entry/exit features shown on site plan (preferred for deep end orientation)
 - c. Swimming pool deck dimensions
 - d. Fence location; gate locations & latching/locking information; separate fence permit associated with the swimming pool or spa permit necessary unless existing fence meets requirements (*Fences are required for all pools and are to be 60" (5') high with self-closing, self-latching gate with a lockable latch at 54" AFG*)
 - e. Equipment/equipment platform locations and dimension(s) to property line(s)
 - f. Electrical meter location and service location and type (underground or above ground) and any above ground wire locations (if applicable)
2. Pool and/or Spa Construction Drawings (plans/sections/details to scale) that indicate:
 - a. Dimensions (including depths and floor and/or wall slopes shown in sections)
 - b. Construction material information (including structural design, such as concrete walls)
 - c. Ladder, stair, pool edge, handhold information
 - d. Per ISPSC 305.4 *Structure wall as a barrier*: pool cover listed and labeled per ASTM 1346 or provide a water hazard entrance alarm listed and labeled per UL 2017.
3. Electrical drawings that indicate:
 - a. Lighting locations (low voltage only required in pool) and wiring methods
 - b. Electrical service line location & meter location (*overhead wires must have 10' clearance; underground wires must have 5' clearance*)
 - c. Equipment and fixture locations
 - d. Grounding and bonding methods and materials
 - e. Circuit size, conductors, piping type
 - f. If pool heater provide existing meter size (BTUs), heater requirements (BTUs), and determine if gas meter upgrade is necessary.
4. Energy Compliance see ISPSC Section 303.3
5. Manufacturer's specifications for equipment and other appurtenances (*All equipment must be "listed and labeled" for this use*). Equipment list on drawings is preferred - no lengthy installation or owner's manuals.
6. Civil Engineering Requirements - see website link for *Site Plan Checklist for Swimming Pool or Spa Improvements Resulting in More Than 400SF Increased Impervious Coverage*.